



Consolidated Edison Company
of New York, Inc.
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August 20, 2019

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 2019 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 2019 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 20 to 24, 2019. Descriptions of groundwater sampling activities and discussions of sampling results are provided below.

SEMI-ANNUAL GROUNDWATER SAMPLING

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

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

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

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

Groundwater Level Measurements

Prior to sampling activities, groundwater levels were gauged at the Site's monitoring well locations on May 20, 2019. Recovery wells and piezometers were also gauged on May 20, 2019. An oil/water level interface probe was utilized to measure the depths to the water table and thickness of any non-aqueous phase liquid (NAPL) in the water column if present (accurate to 0.01 foot). Groundwater was encountered in the monitoring wells at elevations ranging from 183.67 (MW-6) to 176.99 (MW-18) feet above Mean Sea Level (MSL). The groundwater levels and corresponding elevations are summarized in Tables 1A and 1B and were used to produce a Site groundwater contour map (Figure 3). The groundwater monitoring data indicates that the groundwater flow on the Site remains consistent with past gauging events and generally flows from northeast to southwest.

DNAPL Recovery Activities

Approximately 1.0-foot of DNAPL was present at the bottom of MW-12C as presented in Table 1B. DNAPL conditions within the MW-12C did not allow for accurate interface probe measurements of water and DNAPL levels. DNAPL was extracted from monitoring well MW-12C utilizing a dedicated submersible whale pump. Approximately seven (7) gallons of NAPL/water was removed from monitoring well MW-12C including approximately 0.75 gallons of DNAPL. Purged liquids from MW-12C were containerized within a separate 55-gallon drum for off-site removal and disposal.

Waste Management

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

May 2019 Groundwater Sampling - Field Observations

As described above, DNAPL was observed at MW-12C during the May 2019 groundwater sampling event (see Table 1B). Additionally, coal tar was observed on the interface probe during the gauging of RW-3. Sheens were noted during purging of MW-15 and MW-18 during this event. Hydrocarbon odors were noted during the purging of MW-14, MW-15, and MW-18 during this event. Purge water observations recorded during sampling are documented on the Groundwater Sampling Records provided in Attachment 1.

ANALYTICAL RESULTS

Laboratory analytical results for constituents detected in the groundwater samples are summarized in Table 2. For evaluation purposes, analytical results were compared with Ambient Water Quality Standards and Guidance Values (AWQSGVs) for Class GA groundwater contained in New York State Department of Environmental Conservation (NYSDEC) Technical and Operational Guidance Series 1.1.1 (TOGS 1.1.1) (NYSDEC, 1998). These standards and guidance values are protective of groundwater quality assuming that groundwater is used as a source of drinking water. That assumption is not applicable to the Site because groundwater is not anticipated to be used as a source of drinking water. Thus, the use of Class GA standards and guidance values for comparison to Site groundwater is conservative. Table 3 presents a summary of total BTEX, total VOC, total PAH, and total SVOC concentrations detected in groundwater samples collected during the May 2019 semi-annual groundwater sampling event, as well as historic sampling events. Analytical results from the groundwater investigation are summarized below.

VOCs

A total of fifteen (15) VOCs were detected at least once in the groundwater samples collected during this semi-annual groundwater sampling event. Of these, ten (10) VOCs (isopropylbenzene, styrene, tert-butyl methyl ether, benzene, ethylbenzene, toluene, xylene (total), 1,2-dichloroethane, tetrachloroethylene, and trichloroethylene) were detected at concentrations exceeding their AWQSGVs. 1,2-dichloroethane, tetrachloroethylene, and trichloroethylene are chlorinated Volatile Organic Compounds (CVOCs), are not MGP-related compounds, and are not associated with operations of the former manufactured gas plant. Isopropylbenzene was detected above its AWQSGV in five (5) monitoring wells (MW-8, MW-11C, MW-14, MW-16 and MW-101). Styrene was detected above its AWQSGV in four (4) monitoring wells (MW-9, MW-11C, MW-14, and MW-16). Tert-butyl methyl ether was detected above its AWQSGV in two (2) monitoring wells (MW-13 and MW-15). Benzene was detected above its AWQSGV in six (6) monitoring wells (MW-9, MW-14, MW-15, MW-16, MW-18, and MW-101). Ethylbenzene was detected above its AWQSGV in six (6) monitoring wells (MW-9, MW-11C, MW-14, MW-15, MW-16, and MW-101). Toluene was detected above its AWQSGV in five (5) monitoring wells (MW-9, MW-11C, MW-14, MW-15, and MW-16). Total Xylenes was detected above its AWQSGV in seven (7) monitoring wells (MW-9, MW-11C, MW-14, MW-15, MW-16, MW-18, and MW-101).

No VOCs were detected above AWQSGVs in ten (10) monitoring wells (MW-6, MW-7, MW-10, MW-11A, MW-11B, MW-12A, MW-12B, MW-17, MW-19, and MW-20). Groundwater VOC analytical results are summarized in Table 2.

SVOCs

A total of two (2) SVOCs and six (6) PAHs were detected at least once in the groundwater samples collected during the semi-annual groundwater sampling event. Of these, two (2) PAHs (Acenaphthene and Naphthalene) were detected at concentrations exceeding their AWQSGVs. Acenaphthene was detected above its AWQSGV in one (1) monitoring well (MW-101). Naphthalene was detected above its AWQSGV in eight (8) monitoring wells (MW-8, MW-9, MW-11C, MW-14, MW-15, MW-16, MW-18 and MW-101).

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

DATA VALIDATION AND REPORTING

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

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

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

CONCLUSIONS AND RECOMMENDATIONS

Total BTEX and total VOC concentrations are within previously detected ranges in each monitoring well. 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 2019 groundwater sampling event.

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

Total PAH and SVOC concentrations are within previously detected ranges in each monitoring well. Total SVOC and total PAH concentrations were at non-detect levels in

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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 2019 groundwater sampling event. Total SVOC and total PAH concentrations in monitoring wells MW-6, MW-7, MW-10, MW-11A, MW-11B, MW-12A, MW-12B, MW-13, MW-17, MW-19, and MW-20 have frequently been below detection limits during the various groundwater sampling events.

DNAPL continues to be observed within the sump of monitoring well MW-12C. Based on field observations during the May 2019 NAPL recovery at MW-12C, it is recommended that if NAPL is present in the well, it will continue to be removed via pumping during each sampling event.

Based on the results of this groundwater sampling event, the previously identified layer of clean groundwater beneath the St. John's Church property portion of the Site continues to be present. The upper aquifer analytical results from the May 2019 groundwater sampling event are supportive of the selected remedy for the St. John's Church property portion of the Site as outlined in the approved RAWP.

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

Sincerely,



Yelena Skorobogatov
Technical Specialist
MGP Remediation
Environment, Health and Safety

Enclosures (figures/tables)
Attachments

cc:

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

TABLES

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

Well ID	Casing Elevation (AMSL)	Depth to Water (feet)	Water Elevation (AMSL)	Depth to NAPL (feet)	Screened Interval (feet)	Depth to Bottom (feet)
MW-2	190.54	No longer exists				
MW-4	194.92	Unable to locate				
MW-5	189.12	No longer exists				
MW-6	187.82	4.15	183.67	ND	5 - 15	16.05
MW-7	189.51	7.70	181.81	ND	7 - 17	15.95
MW-8	202.08	22.84	179.24	ND	20 - 40	39.40
SB-1	189.10	No longer exists				
TB-5	189.50	No longer exists				
RW-1	204.60	24.78	179.82	ND	16 - 51	44.94
RW-2	200.05	21.89	178.16	ND	18 - 48	44.30
RW-3	203.60	24.26	179.34	Coal tar on tip	20 - 50	51.88
RW-4	200.90	22.89	178.01	ND	17 - 57	52.75
RW-5	200.04	21.86	178.18	ND	14 - 54	50.90
RW-6	203.55	24.04	179.51	ND	19 - 49	48.80
RW-7	203.97	23.16	180.81	ND	17.5 - 47.5	45.68
PZ-1	203.63	23.96	179.67	ND	15 - 35	36.50
PZ-2	203.59	23.88	179.71	ND	15 - 35	35.40
PZ-3	200.21	23.06	177.15	ND	15 - 35	34.85
PZ-4	200.14	23.09	177.05	ND	15 - 35	34.60
MW-101	203.07	24.10	178.97	ND	NA	60.25

AMSL = Above Mean Sea Level
Gauging conducted on May 20, 2019

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

Well ID	Casing Elevation (AMSL)	Depth to Water (feet)	Water Elevation (AMSL)	Depth to NAPL (feet)	NAPL Thickness (feet)	Screened Interval (feet)	Depth to Bottom (feet)
MW-10	198.45	20.39	178.06	ND	NA	40-50	49.72
MW-11A	201.82	23.73	178.09	ND	NA	22-27	26.73
MW-11B	201.97	24.01	177.96	ND	NA	31-36	35.87
MW-11C	201.74	23.83	177.91	ND	NA	40-50	49.85
MW-12A	205.13	27.10	178.03	ND	NA	26-31	30.54
MW-12B	204.96	27.09	177.87	ND	NA	40-45	44.45
MW-12C	205.14	27.40	177.74	~59.40	~1.0	50-60	~60.40
MW-13	204.84	27.24	177.60	ND	NA	55-65	64.44
MW-14	205.00	27.52	177.48	ND	NA	55 - 65	64.35
MW-15	207.60	30.40	177.20	ND	NA	57-67	66.50
MW-16	205.96	28.40	177.56	ND	NA	55-65	64.38
MW-17	204.95	27.39	177.56	ND	NA	40-50	49.84
MW-9	207.34	30.00	177.34	ND	NA	52-62	61.80
MW-18	208.9	31.91	176.99	ND	NA	60 - 70	71.6
MW-19	188.24	7.22	181.02	ND	NA	5 - 20	20.08
MW-20	191.58	13.60	177.98	ND	NA	5 - 20	19.82

AMSL = Above Mean Sea Level

Gauging conducted on May 20, 2019

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

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

Con Ed - White Plains Validated Groundwater Analytical Data May 2019 SDGs: 460-182890-1		NYSDEC Class GA Groundwater Standards/Guidance Values ⁽¹⁾	Location ID: Sample ID: Lab Sample Id:	MW-6 MW-6-20190521 460-182890-3	MW-7 MW-7-20190521 460-182890-2	MW-8 MW-8-20190522 460-182890-14	MW-9 MW-9-20190522 460-182890-16	MW-10 MW-10-20190521 460-182890-8	MW-11A MW-11A-20190521 460-182890-6
CAS NO.	COMPOUND		SDG: Matrix: Sampled: Validated:	TALED 4601828901 WATER 5/21/2019 9:30 6/12/2019	TALED 4601828901 WATER 5/21/2019 8:25 6/12/2019	TALED 4601828901 WATER 5/22/2019 11:50 6/12/2019	TALED 4601828901 WATER 5/22/2019 13:50 6/12/2019	TALED 4601828901 WATER 5/21/2019 13:50 6/12/2019	TALED 4601828901 WATER 5/21/2019 12:30 6/12/2019
			UNITS:						
VOLATILES									
110-82-7	Cyclohexane	NS	ug/l	ND	ND	ND	2.3	ND	ND
98-82-8	Isopropylbenzene (Cumene)	5	ug/l	ND	ND	9.8	1.6	ND	ND
108-87-2	Methylcyclohexane	NS	ug/l	ND	ND	7.5	2.4	ND	ND
100-42-5	Styrene	5	ug/l	ND	ND	ND	170	ND	ND
1634-04-4	Tert-Butyl Methyl Ether	10 (G)	ug/l	ND	ND	ND	2.5	ND	ND
BTEX									
71-43-2	Benzene	1	ug/l	0.81 J	ND	ND	15	ND	ND
100-41-4	Ethylbenzene	5	ug/l	ND	ND	1.6	46	ND	ND
108-88-3	Toluene	5	ug/l	ND	ND	ND	500	ND	ND
XYLENES	Xylenes, Total	5	ug/l	ND	ND	1.8 J	200	ND	ND
CVOCs									
67-66-3	Chloroform	7	ug/l	ND	ND	ND	ND	ND	ND
107-06-2	1,2-Dichloroethane	0.6	ug/l	ND	ND	ND	1.3	ND	ND
156-59-2	Cis-1,2-Dichloroethylene	5	ug/l	ND	ND	ND	0.43 J	ND	ND
75-09-2	Methylene Chloride	5	ug/l	ND	ND	ND	ND	ND	ND
127-18-4	Tetrachloroethylene (PCE)	5	ug/l	ND	ND	ND	0.26 J	ND	0.26 J
79-01-6	Trichloroethylene (TCE)	5	ug/l	ND	ND	ND	ND	ND	ND
Total VOCs			ug/l	0.81	ND	20.7	941.79	ND	0.26
SEMIVOLATILES									
86-74-8	Carbazole	NS	ug/l	ND	ND	ND	ND	ND	ND
84-66-2	Diethyl phthalate	50 (G)	ug/l	ND	ND	ND	ND	ND	ND
PAHs									
83-32-9	Acenaphthene	20 (G)	ug/l	ND	ND	20 J	ND	ND	ND
208-96-8	Acenaphthylene	NS	ug/l	ND	ND	ND	13 J	ND	ND
86-73-7	Fluorene	50 (G)	ug/l	ND	ND	ND	ND	ND	ND
91-57-6	2-Methylnaphthalene	NS	ug/l	ND	ND	66 J	13 J	ND	ND
91-20-3	Naphthalene	10 (G)	ug/l	ND	ND	1300	430	ND	ND
85-01-8	Phenanthrene	50 (G)	ug/l	ND	ND	ND	ND	ND	ND
Total PAHs			ug/l	ND	ND	1386	456	ND	ND
Total SVOCs			ug/l	ND	ND	1386	456	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 Data
 White Plains Former MGP Site
 Consolidated Edison Company of New York

Con Ed - White Plains Validated Groundwater Analytical Data May 2019 SDGs: 460-182890-1		NYSDEC Class GA Groundwater Standards/Guidance Values ⁽¹⁾	Location ID: Sample ID: Lab Sample Id:	MW-11B MW-11B-20190521 460-182890-7	MW-11C MW-11C-20190523 460-182890-20	MW-12A MW-12A-20190522 460-182890-11	MW-12B MW-12B-20190522 460-182890-12	MW-13 MW-13-20190522 460-182890-10	MW-14 MW-14-20190523 460-182890-19
CAS NO.	COMPOUND		SDG: Matrix: Sampled: Validated:	TALED 4601828901 WATER 5/21/2019 13:10 6/12/2019	TALED 4601828901 WATER 5/23/2019 11:05 6/12/2019	TALED 4601828901 WATER 5/22/2019 8:35 6/12/2019	TALED 4601828901 WATER 5/22/2019 9:25 6/12/2019	TALED 4601828901 WATER 5/22/2019 7:40 6/12/2019	TALED 4601828901 WATER 5/23/2019 10:10 6/12/2019
			UNITS:						
VOLATILES									
110-82-7	Cyclohexane	NS	ug/l	ND	39	ND	ND	ND	16
98-82-8	Isopropylbenzene (Cumene)	5	ug/l	ND	23	ND	ND	ND	5.3
108-87-2	Methylcyclohexane	NS	ug/l	ND	82	ND	ND	ND	29
100-42-5	Styrene	5	ug/l	ND	200	ND	ND	ND	650
1634-04-4	Tert-Butyl Methyl Ether	10 (G)	ug/l	ND	ND	ND	ND	170	3.3 J
BTEX									
71-43-2	Benzene	1	ug/l	ND	ND	ND	ND	ND	5.6
100-41-4	Ethylbenzene	5	ug/l	ND	120	ND	ND	ND	240
108-88-3	Toluene	5	ug/l	ND	14	ND	ND	ND	1900
XYLENES	Xylenes, Total	5	ug/l	ND	1800	ND	ND	ND	1400
CVOCs									
67-66-3	Chloroform	7	ug/l	ND	ND	0.45 J	ND	ND	ND
107-06-2	1,2-Dichloroethane	0.6	ug/l	ND	ND	ND	ND	2.8	ND
156-59-2	Cis-1,2-Dichloroethylene	5	ug/l	ND	ND	ND	ND	ND	ND
75-09-2	Methylene Chloride	5	ug/l	ND	ND	ND	ND	ND	ND
127-18-4	Tetrachloroethylene (PCE)	5	ug/l	ND	7	0.26 J	ND	ND	ND
79-01-6	Trichloroethylene (TCE)	5	ug/l	ND	5.7	ND	ND	ND	ND
Total VOCs			ug/l	ND	2290.7	0.71	ND	172.8	4249.2
SEMIVOLATILES									
86-74-8	Carbazole	NS	ug/l	ND	ND	ND	ND	ND	ND
84-66-2	Diethyl phthalate	50 (G)	ug/l	ND	ND	ND	ND	ND	ND
PAHs									
83-32-9	Acenaphthene	20 (G)	ug/l	ND	ND	ND	ND	ND	ND
208-96-8	Acenaphthylene	NS	ug/l	ND	89 J	ND	ND	ND	230 J
86-73-7	Fluorene	50 (G)	ug/l	ND	ND	ND	ND	ND	ND
91-57-6	2-Methylnaphthalene	NS	ug/l	ND	760 J	ND	ND	ND	380 J
91-20-3	Naphthalene	10 (G)	ug/l	ND	13000	ND	ND	ND	5600
85-01-8	Phenanthrene	50 (G)	ug/l	ND	ND	ND	ND	ND	41 J
Total PAHs			ug/l	ND	13849	ND	ND	ND	6251
Total SVOCs			ug/l	ND	13849	ND	ND	ND	6251

- 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 Data
 White Plains Former MGP Site
 Consolidated Edison Company of New York

Con Ed - White Plains Validated Groundwater Analytical Data May 2019 SDGs: 460-182890-1		NYSDEC Class GA Groundwater Standards/Guidance Values ⁽¹⁾	Location ID: Sample ID: Lab Sample Id:	MW-15 MW-15-20190523 460-182890-17 TALED SDG: 4601828901 Matrix: WATER Sampled: 5/23/2019 7:45 Validated: 6/12/2019	MW-16 MW-16-20190522 460-182890-15 TALED SDG: 4601828901 Matrix: WATER Sampled: 5/22/2019 12:45 Validated: 6/12/2019	MW-17 MW-17-20190521 460-182890-9 TALED SDG: 4601828901 Matrix: WATER Sampled: 5/21/2019 14:35 Validated: 6/12/2019	MW-18 MW-18-20190523 460-182890-18 TALED SDG: 4601828901 Matrix: WATER Sampled: 5/23/2019 8:50 Validated: 6/12/2019	MW-19 MW-19-20190521 460-182890-1 TALED SDG: 4601828901 Matrix: WATER Sampled: 5/21/2019 7:35 Validated: 6/12/2019	MW-20 MW-20-20190521 460-182890-4 TALED SDG: 4601828901 Matrix: WATER Sampled: 5/21/2019 10:35 Validated: 6/12/2019
CAS NO.	COMPOUND		UNITS:						
	VOLATILES								
110-82-7	Cyclohexane	NS	ug/l	3.5	18	ND	1.5	ND	ND
98-82-8	Isopropylbenzene (Cumene)	5	ug/l	4.9	13	ND	3.1	ND	ND
108-87-2	Methylcyclohexane	NS	ug/l	4	32	ND	1.3	ND	ND
100-42-5	Styrene	5	ug/l	ND	230	ND	ND	ND	ND
1634-04-4	Tert-Butyl Methyl Ether	10 (G)	ug/l	12	ND	ND	2.7	ND	ND
	BTEX								
71-43-2	Benzene	1	ug/l	8.4	130	ND	17	ND	ND
100-41-4	Ethylbenzene	5	ug/l	48	230	ND	1.6	ND	ND
108-88-3	Toluene	5	ug/l	30	1600	ND	1.3	ND	ND
XYLENES	Xylenes, Total	5	ug/l	120	1100	ND	9.6	ND	ND
	CVOCs								
67-66-3	Chloroform	7	ug/l	ND	ND	1.4	ND	0.38 J	ND
107-06-2	1,2-Dichloroethane	0.6	ug/l	1.3	ND	ND	1	ND	ND
156-59-2	Cis-1,2-Dichloroethylene	5	ug/l	ND	ND	ND	0.66 J	ND	ND
75-09-2	Methylene Chloride	5	ug/l	ND	ND	ND	ND	ND	ND
127-18-4	Tetrachloroethylene (PCE)	5	ug/l	ND	ND	ND	1.3	ND	ND
79-01-6	Trichloroethylene (TCE)	5	ug/l	ND	3.9 J	ND	1.6	ND	ND
	Total VOCs		ug/l	232.1	3356.9	1.4	42.66	0.38	ND
	SEMIVOLATILES								
86-74-8	Carbazole	NS	ug/l	ND	ND	ND	ND	ND	ND
84-66-2	Diethyl phthalate	50 (G)	ug/l	ND	ND	ND	15 J	ND	ND
	PAHs								
83-32-9	Acenaphthene	20 (G)	ug/l	ND	ND	ND	2.2 J	ND	ND
208-96-8	Acenaphthylene	NS	ug/l	23 J	76 J	ND	7.1 J	ND	ND
86-73-7	Fluorene	50 (G)	ug/l	ND	ND	ND	ND	ND	ND
91-57-6	2-Methylnaphthalene	NS	ug/l	ND	290 J	ND	17 J	ND	ND
91-20-3	Naphthalene	10 (G)	ug/l	400	6600	ND	260	ND	ND
85-01-8	Phenanthrene	50 (G)	ug/l	ND	ND	ND	ND	ND	ND
	Total PAHs		ug/l	423	6966	ND	286.3	ND	ND
	Total SVOCs		ug/l	423	6966	ND	301.3	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 Data
 White Plains Former MGP Site
 Consolidated Edison Company of New York

Con Ed - White Plains Validated Groundwater Analytical Data May 2019 SDGs: 460-182890-1		NYSDEC Class GA Groundwater Standards/Guidance Values ⁽¹⁾	Location ID: Sample ID: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated:	Duplicate of MW-20	
CAS NO.	COMPOUND			MW-20	MW-101
				MW-120-20190521	MW-101-20190522
				460-182890-5	460-182890-13
				TALED	TALED
				4601828901	4601828901
				WATER	WATER
				5/21/2019 10:35	5/22/2019 10:50
				6/12/2019	6/12/2019
			UNITS:		
	VOLATILES				
110-82-7	Cyclohexane	NS	ug/l	ND	9.1
98-82-8	Isopropylbenzene (Cumene)	5	ug/l	ND	13
108-87-2	Methylcyclohexane	NS	ug/l	ND	8.6
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	45
100-41-4	Ethylbenzene	5	ug/l	ND	25
108-88-3	Toluene	5	ug/l	ND	1.2
XYLENES	Xylenes, Total	5	ug/l	ND	13
	CVOCs				
67-66-3	Chloroform	7	ug/l	ND	ND
107-06-2	1,2-Dichloroethane	0.6	ug/l	ND	ND
156-59-2	Cis-1,2-Dichloroethylene	5	ug/l	ND	ND
75-09-2	Methylene Chloride	5	ug/l	ND	ND
127-18-4	Tetrachloroethylene (PCE)	5	ug/l	0.37 J	ND
79-01-6	Trichloroethylene (TCE)	5	ug/l	ND	ND
	Total VOCs		ug/l	0.37	114.9
	SEMIVOLATILES				
86-74-8	Carbazole	NS	ug/l	ND	4.2 J
84-66-2	Diethyl phthalate	50 (G)	ug/l	ND	ND
	PAHs				
83-32-9	Acenaphthene	20 (G)	ug/l	ND	33
208-96-8	Acenaphthylene	NS	ug/l	ND	ND
86-73-7	Fluorene	50 (G)	ug/l	ND	2.3 J
91-57-6	2-Methylnaphthalene	NS	ug/l	ND	31
91-20-3	Naphthalene	10 (G)	ug/l	ND	170
85-01-8	Phenanthrene	50 (G)	ug/l	ND	ND
	Total PAHs		ug/l	ND	236.3
	Total SVOCs		ug/l	ND	240.5

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

Monitoring Well ID	Compounds	Sample Date (Month/Year)																		
		7/01	11/09	5/11	11/11	5/12	12/12	5/13	12/13	6/14	12/14	6/15	12/15	5/16	12/16	06/17	12/17	06/18	12/18	05/19
MW-6	Total BTEX	353.60	NA	ND	ND	ND	ND	ND	9.66	13.80	ND	8.87	13.59	15.70	2.52	8.13	22.08	15.20	ND	0.81
	Total VOC	402.10	NA	ND	ND	ND	ND	ND	12.24	15.80	ND	9.86	15.49	17.40	2.52	8.96	38.90	22.40	ND	0.81
	Total PAH	1094.34	NA	ND	ND	ND	ND	ND	3.50	ND	ND	ND	ND	9.30	ND	3.30	ND	9.20	ND	ND
	Total SVOC	1129.05	NA	ND	ND	ND	ND	15.40	3.50	2.50	ND	ND	ND	12.70	4.50	3.30	ND	9.20	ND	ND
MW-7	Total BTEX	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Total VOC	28.69	NA	ND	ND	ND	ND	ND	1.40	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Total PAH	0.22	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Total SVOC	27.22	NA	ND	ND	ND	ND	ND	2.80	ND	ND	ND	ND	ND	3.60	6.00	321.00	ND	ND	ND
MW-8	Total BTEX	3.40	NA	2.86	2.00	13.50	10.30	1.61	11.10	2.57	11.80	ND	0.50	5.21	8.00	ND	2.80	10.80	ND	3.40
	Total VOC	28.93	NA	7.09	2.00	41.48	23.17	8.91	35.50	13.00	39.70	ND	2.90	25.51	31.90	2.30	21.51	45.10	ND	20.70
	Total PAH	0.20	NA	ND	40.00	769.90	766.30	416.60	750.10	416.60	566.20	ND	ND	1591.80	1196.20	8.50	1271.00	1386.00	ND	1386.00
	Total SVOC	26.85	NA	ND	85.70	769.90	766.30	416.60	753.70	416.60	568.90	ND	ND	1598.70	1203.90	9.90	1271.00	1386.00	ND	1386.00
MW-9	Total BTEX	NA	2305.00	374.00	664.00	172.90	53.40	34.51	36.30	189.10	474.10	7.40	113.70	13.60	720.20	7.90	76.30	38.30	167.50	761.00
	Total VOC	NA	2987.30	509.64	824.00	383.72	186.27	42.21	44.64	229.00	612.90	14.30	134.80	24.31	875.90	14.25	88.54	46.97	212.87	941.79
	Total PAH	NA	1275.40	49.80	400.00	189.40	21.20	14.30	27.40	88.30	19.00	ND	57.70	7.60	783.20	2.30	79.80	39.60	118.30	456.00
	Total SVOC	NA	1287.00	49.80	800.00	189.40	21.20	14.30	27.40	93.80	19.00	ND	63.00	7.60	783.20	2.30	83.90	42.20	119.50	456.00
MW-10	Total BTEX	NA	ND	ND	ND	ND	ND	ND	ND	ND	1.02	ND	ND	ND	0.53	ND	ND	ND	ND	ND
	Total VOC	NA	5.10	0.61	ND	0.62	0.84	ND	2.12	ND	2.82	ND	ND	ND	3.83	ND	ND	ND	ND	ND
	Total PAH	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Total SVOC	NA	4.40	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.10	ND	ND	ND	ND	ND
MW-11A	Total BTEX	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Total VOC	NA	2.90	ND	ND	ND	ND	ND	2.60	ND	ND	ND	ND	ND	ND	ND	0.32	0.29	ND	ND
	Total PAH	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	2.80	ND	ND	ND	ND	ND
	Total SVOC	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	3.20	ND	2.80	ND	ND	ND	ND	ND
MW-11B	Total BTEX	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Total VOC	NA	2.90	ND	ND	ND	ND	ND	1.30	0.81	ND	ND	ND	ND	ND	0.24	ND	ND	ND	ND
	Total PAH	NA	5.70	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Total SVOC	NA	5.70	ND	ND	ND	ND	ND	ND	ND	ND	8.40	ND	2.40	ND	1.00	ND	ND	ND	ND
MW-11C	Total BTEX	NA	5711.30	4051.80	3160.00	4751.40	5201.60	2861.55	3835.10	1910.00	2530.00	2332.90	1610.40	2063.20	3562.70	1017.00	1740.00	1840.00	1620.00	1934.00
	Total VOC	NA	7294.30	5095.80	3900.00	10668.8	6373.60	3473.15	4630.80	2341.00	3107.50	2852.80	2014.90	2552.90	4291.90	1227.40	2129.50	2199.50	1954.90	2290.70
	Total PAH	NA	16130.20	7605.90	6380.00	16139.00	13636.0	11759.90	12821.00	11883.00	9490.00	16382.0	10217.00	34790.9	17088.0	7644.00	11550.00	9980.00	5180.00	13849.00
	Total SVOC	NA	16209.9	7664.00	12760.0	16206.0	13712.00	11831.70	12879.0	11943.00	9554.30	16450.0	10271.60	34877.8	17158.10	7679.00	11550.00	9980.00	5180.00	13849.00

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

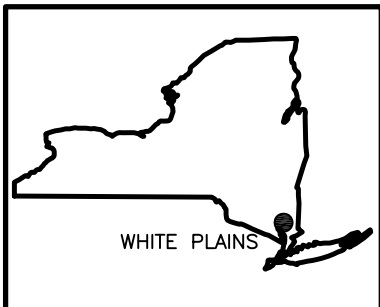
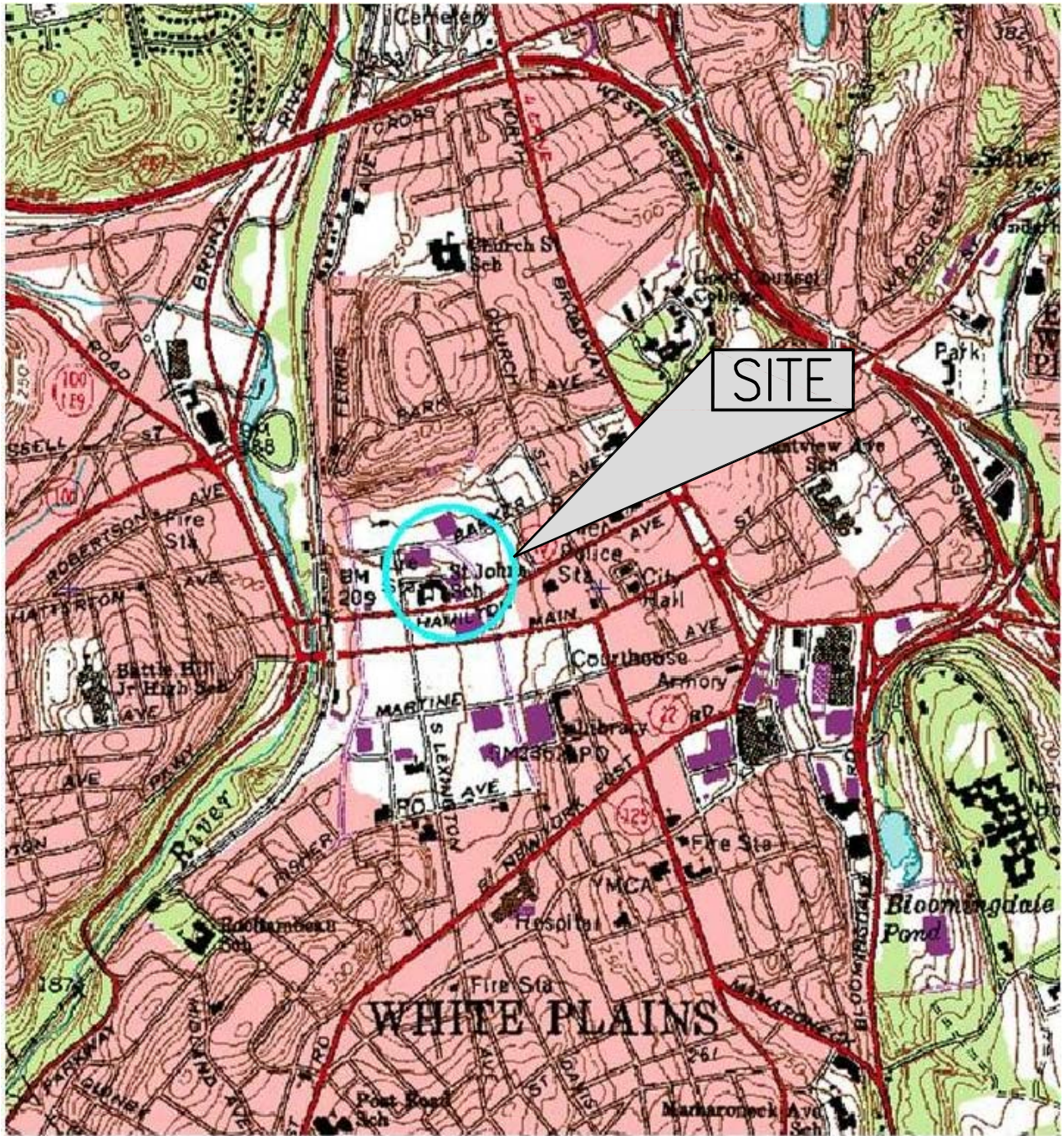
Monitoring Well ID	Compounds	Sample Date (Month/Year)																		
		7/01	11/09	5/11	11/11	5/12	12/12	5/13	12/13	6/14	12/14	6/15	12/15	5/16	12/16	06/17	12/17	06/18	12/18	05/19
MW-12A	Total BTEX	NA	ND	23.20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.51	1.51	ND	ND	ND	ND
	Total VOC	NA	ND	31.70	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	14.25	7.50	2.86	1.90	0.98	0.71
	Total PAH	NA	ND	1.90	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.89	ND	ND	ND	ND
	Total SVOC	NA	ND	1.90	ND	ND	ND	ND	ND	2.60	ND	ND	ND	ND	ND	0.89	ND	ND	ND	ND
MW-12B	Total BTEX	NA	2.70	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Total VOC	NA	43.00	41.34	16.00	16.00	16.00	4.40	7.04	1.00	ND	0.37	ND	ND	ND	0.34	0.47	ND	ND	ND
	Total PAH	NA	5.40	1.60	ND	ND	ND	ND	ND	ND	ND	ND	2.70	ND	ND	ND	ND	ND	ND	ND
	Total SVOC	NA	5.40	1.60	ND	ND	ND	ND	ND	25.50	ND	3.40	2.70	ND	2.70	ND	ND	ND	ND	ND
MW-12C	Total BTEX	NA	826.70	951.50	1171.00	1174.30	3194.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Total VOC	NA	1269.00	1610.07	1761.00	2918.70	4921.90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Total PAH	NA	3801.70	2307.30	2554.00	3142.50	17986.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Total SVOC	NA	3837.60	2331.70	5178.00	3165.50	18238.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-13	Total BTEX	NA	ND	ND	ND	ND	ND	ND	ND	1.97	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Total VOC	NA	188.50	444.10	340.00	414.40	820.00	353.60	527.81	242.00	325.17	243.00	212.40	232.10	222.40	202.60	192.20	262.80	171.90	172.80
	Total PAH	NA	2.40	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.00	ND	ND	ND	ND
	Total SVOC	NA	5.10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.00	ND	ND	ND	ND
MW-14	Total BTEX	NA	3146.00	3618.60	2990.00	3678.40	5223.00	4240.00	36.30	2557.00	4430.00	3950.00	2642.20	4739.20	5656.40	3505.00	2888.70	3190.00	2905.70	3545.60
	Total VOC	NA	4692.90	5689.30	4590.00	9250.60	8196.40	6340.00	44.64	3806.00	6563.10	6079.40	3680.40	5614.57	6629.10	3905.00	3537.90	3640.90	3704.00	4249.20
	Total PAH	NA	3321.20	8044.30	2317.00	6312.00	6585.40	6946.00	6963.40	3659.00	4596.40	6395.60	3572.70	12184.00	9219.60	3917.00	5214.00	4847.00	5098.00	6251.00
	Total SVOC	NA	3351.30	8099.40	4673.00	6344.00	6636.60	6998.30	7004.00	3686.00	4629.50	6445.20	3597.10	12242.4	9279.10	3951.00	5214.00	4847.00	5131.00	6251.00
MW-15	Total BTEX	NA	379.80	366.20	46.00	399.80	163.00	150.30	100.50	ND	327.80	69.74	63.50	109.10	260.20	7.10	35.50	660.00	78.80	206.40
	Total VOC	NA	600.30	688.89	285.00	1156.30	414.63	321.03	332.27	8.40	507.03	317.80	289.50	240.50	511.23	141.80	171.04	705.45	195.90	232.10
	Total PAH	NA	612.90	489.20	77.10	481.50	175.20	258.00	114.20	ND	161.40	66.60	95.70	127.30	167.10	13.70	148.70	799.00	114.60	423.00
	Total SVOC	NA	620.70	492.30	154.20	486.10	175.20	258.00	114.20	2.90	161.40	66.60	95.70	129.70	167.10	13.70	149.80	799.00	114.60	423.00
MW-16	Total BTEX	NA	2640.00	3810.00	3020.00	1780.00	4910.00	2470.00	3530.00	2590.00	3550.00	4088.20	2843.00	2564.10	6890.00	3150.00	2900.00	3720.00	2970.00	3060.00
	Total VOC	NA	3401.70	4850.90	3980.00	4028.70	6146.97	3077.74	4468.70	3272.00	4415.70	5425.27	3759.10	3189.59	8276.60	3963.00	3600.20	4236.90	3340.90	3356.90
	Total PAH	NA	8439.70	7160.20	1999.00	186.30	6458.70	5959.10	8852.10	6074.00	5108.80	8407.10	523.90	3824.60	10739.5	6230.00	7429.00	7043.00	4849.00	6966.00
	Total SVOC	NA	8503.00	7230.10	4036.00	207.30	6487.40	5703.60	8901.20	6118.00	5142.40	8493.80	527.30	3874.10	10857.0	6268.00	7468.00	7043.00	4849.00	6966.00
MW-17	Total BTEX	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Total VOC	NA	2.40	0.80	ND	ND	ND	1.40	1.50	ND	ND	ND	ND	ND	3.20	0.22	ND	ND	ND	1.4
	Total PAH	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Total SVOC	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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

Monitoring Well ID	Compounds	Sample Date (Month/Year)																		
		7/01	11/09	5/11	11/11	5/12	12/12	5/13	12/13	6/14	12/14	6/15	12/15	5/16	12/16	06/17	12/17	06/18	12/18	05/19
MW-18	Total BTEX	NA	NA	37.20	2.60	8.20	30.20	31.11	125.90	29.30	95.80	67.70	52.90	60.80	148.80	36.90	317.00	274.00	76.30	29.50
	Total VOC	NA	NA	48.09	13.20	31.47	40.09	41.54	143.38	36.30	111.10	79.10	59.70	67.08	166.90	48.24	339.84	290.99	90.00	42.66
	Total PAH	NA	NA	10.50	ND	6.50	5.90	43.10	204.90	40.30	160.90	51.60	6.10	54.20	146.40	19.80	641.00	106.20	48.55	286.30
	Total SVOC	NA	NA	10.50	ND	6.50	5.90	43.10	204.90	40.30	160.90	51.60	6.10	54.20	146.40	20.56	646.40	112.51	52.55	301.30
MW-19	Total BTEX	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Total VOC	NA	NA	ND	ND	ND	ND	ND	1.20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.38
	Total PAH	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Total SVOC	NA	NA	ND	ND	ND	ND	ND	ND	3.30	ND	ND	ND	3.50	4.70	ND	ND	ND	ND	ND
MW-20	Total BTEX	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Total VOC	NA	NA	ND	ND	ND	ND	ND	1.40	ND	ND	ND	ND	ND	ND	ND	0.16	ND	ND	ND
	Total PAH	NA	NA	ND	ND	ND	ND	1.61	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Total SVOC	NA	NA	ND	ND	ND	ND	8.91	5.80	5.80	ND	ND	ND	3.70	5.40	ND	ND	ND	ND	ND
MW-101	Total BTEX	NA	NA	428.00	687.00	710.00	139.18	128.80	147.10	61.80	59.70	17.70	12.00	9.20	2.10	5.04	1.10	3.30	3.00	84.20
	Total VOC	NA	NA	454.00	687.00	1488.00	144.78	133.60	159.61	68.90	66.90	17.70	15.30	9.20	7.10	6.24	2.32	9.91	9.60	114.90
	Total PAH	NA	NA	283.60	245.00	614.60	85.20	107.20	76.70	85.60	44.50	25.20	27.30	15.70	12.10	20.20	8.30	21.60	21.60	236.30
	Total SVOC	NA	NA	304.40	490.00	621.40	91.00	113.10	79.70	94.20	47.30	25.20	27.30	15.70	15.10	20.20	8.30	21.60	21.60	240.50

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

FIGURES



WHITE PLAINS

QUADRANGLE LOCATION
NEW YORK



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

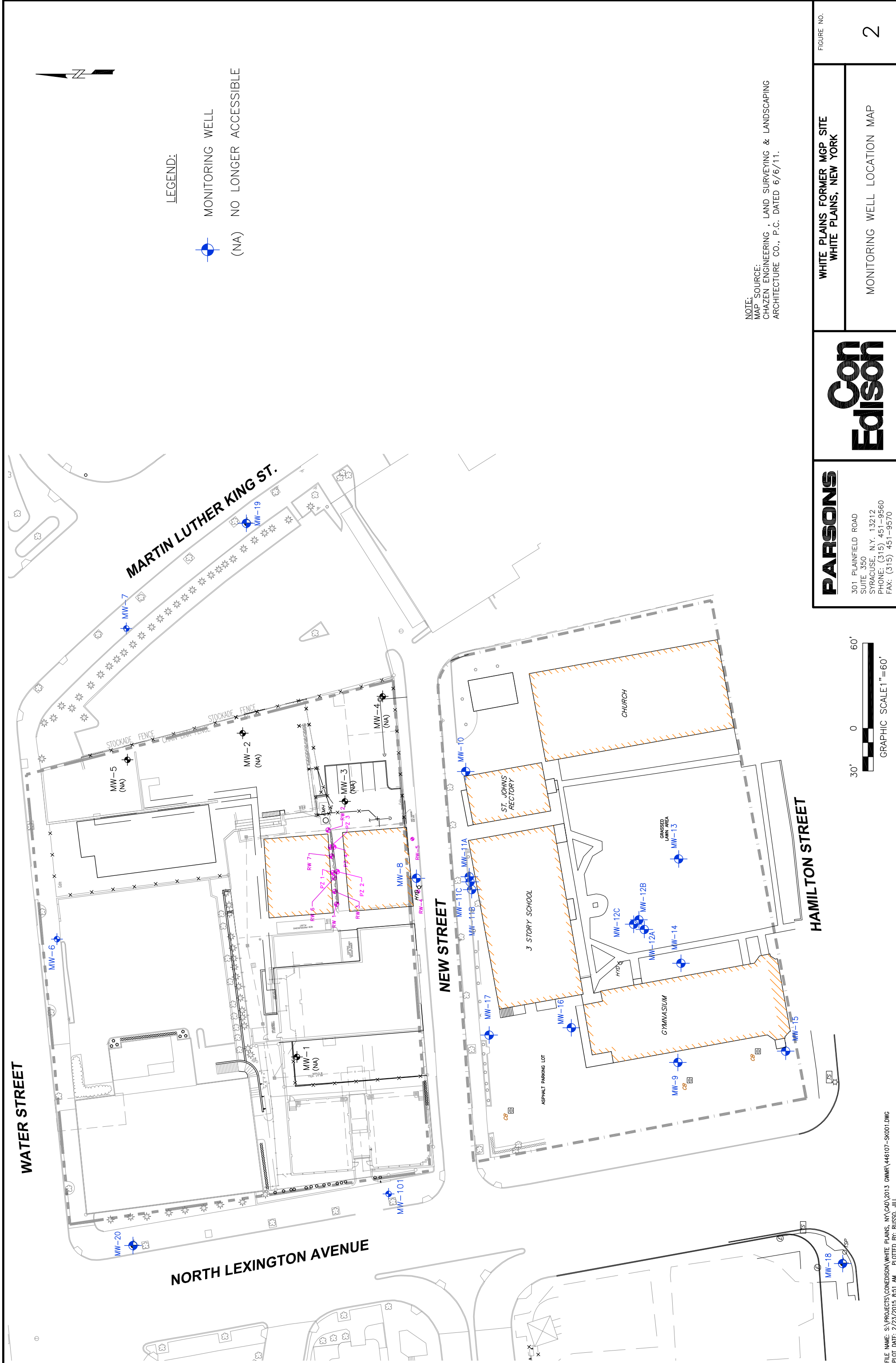
FIGURE 1

**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.

PARSONS

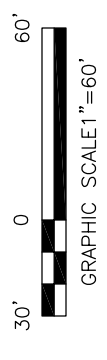
301 PLAINFIELD ROAD
 SUITE 350
 SYRACUSE, N.Y. 13212
 PHONE: (315) 451-9560
 FAX: (315) 451-9570

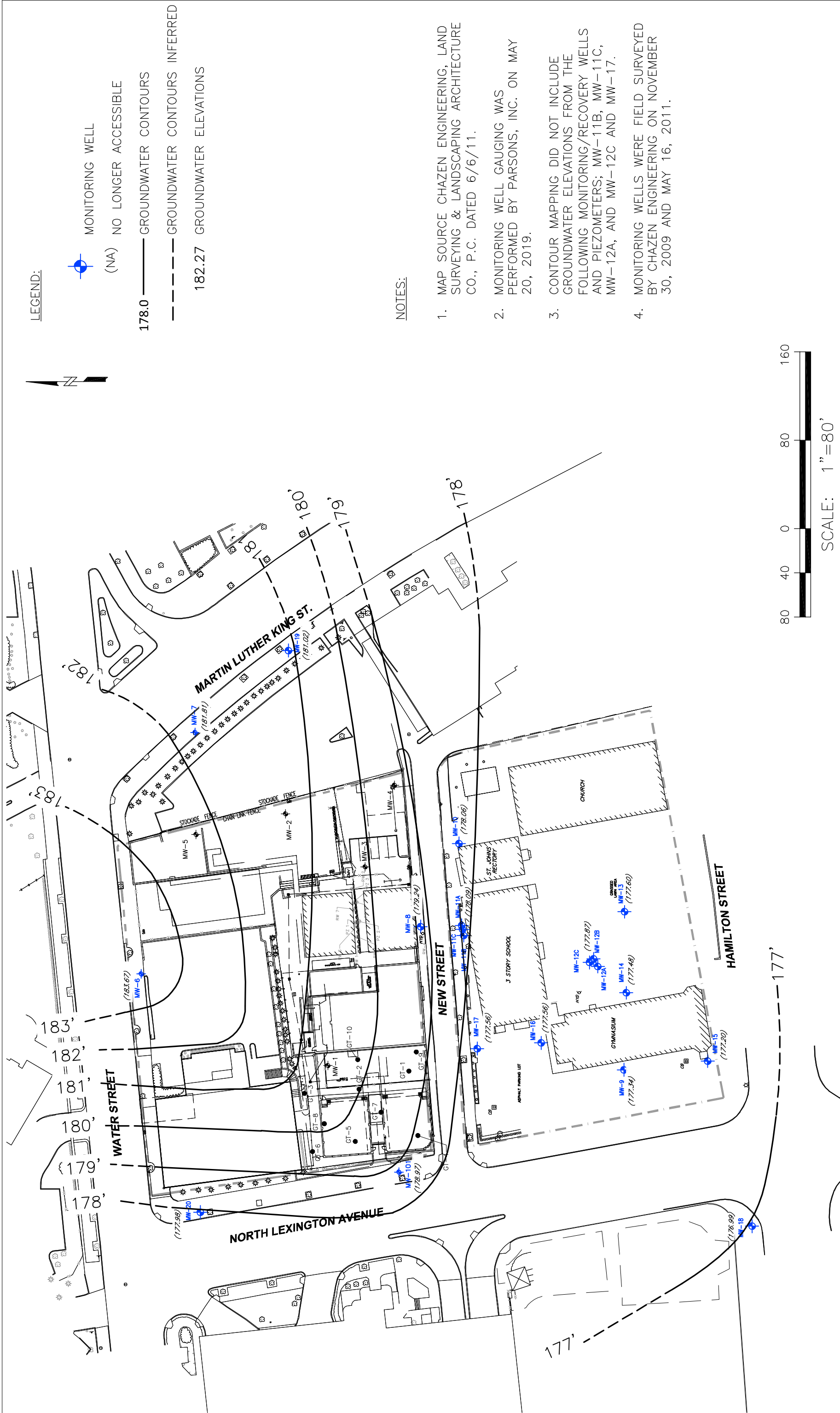
WHITE PLAINS FORMER MGP SITE
 WHITE PLAINS, NEW YORK

MONITORING WELL LOCATION MAP


FIGURE NO.

2



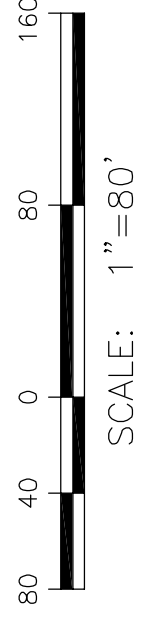


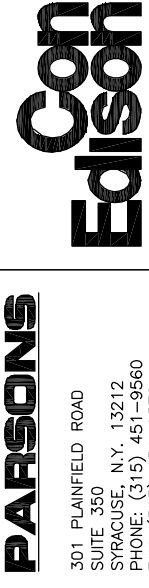
LEGEND:

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

NOTES:

1. MAP SOURCE CHAZEN ENGINEERING, LAND SURVEYING & LANDSCAPING ARCHITECTURE CO., P.C. DATED 6/6/11.
2. MONITORING WELL GAUGING WAS PERFORMED BY PARSONS, INC. ON MAY 20, 2019.
3. CONTOUR MAPPING DID NOT INCLUDE GROUNDWATER ELEVATIONS FROM THE FOLLOWING MONITORING/RECOVERY WELLS AND PIEZOMETERS; MW-11B, MW-11C, MW-12A, AND MW-12C AND MW-17.
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	FIGURE NO. 3
	GROUNDWATER ELEVATION CONTOUR MAP MAY 20, 2019		

ATTACHMENTS

Attachment 1
Groundwater Sampling Records

PARSONS GROUNDWATER SAMPLING RECORD

SITE NAME: Con Edison - White Plains
PROJECT NUMBER: 451789-01000
Purge Date: 5-21-19
Sampling Date: 5-21-19
Samplers: Kirsten Valentini of Parsons / Somerset, NJ
SAMPLE ID: MW-6
Sampling Method: Low flow purge utilizing Monsoon Pump

WELL PURGING

Static Water Level (TOC): 4.35
 Depth to Well Bottom (TOC): 16.00
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 : Clear

FIELD TESTS

	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	SAMPLE
Time	0855	0900	0905	0910	0915	0920	0925	0930
Depth To Water (TOC) (ft)	4.39	4.83	5.12	5.43	5.93	6.04	6.11	6.20
Depth To Pump (TOC) (ft)	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00
Flow Rate (ml/min)	~150	~150	~125	~125	~125	~125	~125	~125
Volume of Water Purged	NA	NA	NA	NA	NA	NA	NA	NA
pH (s.u.)	7.29	7.33	7.28	7.23	7.18	7.19	7.19	7.21
Conductivity (mS/cm)	2.89	2.82	2.83	2.84	2.82	2.75	2.73	2.72
Turbidity (NTUs)	592	253	207	193	141	15	14.6	14.3
Dissolved Oxygen (mg/L)	1.85	1.95	1.73	1.21	1.05	1.02	0.97	0.93
Temperature (Degrees C)	15.24	15.71	16.01	16.13	16.23	16.00	15.98	15.99
ORP (mV)	93	89	73	72	74	13	8	5
Salinity (%)	1.5	1.5	1.5	1.5	1.5	1.5	1.4	1.4
TDS (g/L)	1.85	1.81	1.80	1.80	1.81	1.79	1.76	1.74

SAMPLE ANALYSIS / LABORATORY

Analyze For: VOCs and SVOCs

 Shipped Via: _____
 Laboratory: Test America

 Other Notes: _____

PARSONS GROUNDWATER SAMPLING RECORD

SITE NAME: Con Edison - White Plains
PROJECT NUMBER: 451789-01000
Purge Date: 5-21-19
Sampling Date: 5-21-19
Samplers: Kirsten Valentini of Parsons / Somerset, NJ
SAMPLE ID: MW-7
Sampling Method: Low flow purge utilizing Monsoon Pump

WELL PURGING

Static Water Level (TOC): 7.80
 Depth to Well Bottom (TOC): 15.30
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 : Turbid

FIELD TESTS

	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	SAMPLE
Time	0750	0755	0800	0805	0810	0815	0820	0825
Depth To Water (TOC) (ft)	9.03	9.15	9.43	9.78	9.80	9.98	10.01	10.04
Depth To Pump (TOC) (ft)	13.30	13.30	13.30	13.30	13.30	13.30	13.30	13.30
Flow Rate (ml/min)	~150	~125	~125	~125	~125	~150	~150	~150
Volume of Water Purged	NA	NA	NA	NA	NA	NA	NA	NA
pH (s.u.)	7.50	7.49	7.48	7.49	7.47	7.45	7.46	7.46
Conductivity (mS/cm)	4.18	4.23	4.24	4.22	4.15	4.14	4.12	4.10
Turbidity (NTUs)	+1000	+1000	949	833	602	207	201	198
Dissolved Oxygen (mg/L)	1.83	0.24	0.23	0.17	0.14	0.11	0.09	0.07
Temperature (Degrees C)	14.06	14.13	14.28	14.49	14.52	14.63	14.65	14.66
ORP (mV)	-16	-18	-21	-23	-24	-25	-25	-24
Salinity (%)	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
TDS (g/L)	2.66	2.66	2.66	2.65	2.64	2.64	2.64	2.64

SAMPLE ANALYSIS / LABORATORY

Analyze For: VOCs and SVOCs

 Shipped Via: _____
 Laboratory: Test America

 Other Notes: _____

PARSONS GROUNDWATER SAMPLING RECORD

SITE NAME: Con Edison - White Plains
PROJECT NUMBER: 451789-01000
Purge Date: 5-22-19
Sampling Date: 5-22-19
Samplers: Kirsten Valentini of Parsons / Somerset, NJ
SAMPLE ID: MW-8
Sampling Method: Low flow purge utilizing Monsoon Pump

WELL PURGING

Static Water Level (TOC): 22.80
 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 : Slightly turbid

FIELD TESTS

	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	SAMPLE
Time	1115	1120	1125	1130	1135	1140	1145	1150
Depth To Water (TOC) (ft)	23.14	23.18	23.19	23.21	23.21	23.21	23.22	23.23
Depth To Pump (TOC) (ft)	37.50	37.50	37.50	37.50	37.50	37.50	37.50	37.50
Flow Rate (ml/min)	~200	~200	~200	~200	~200	~200	~200	~200
Volume of Water Purged	NA	NA	NA	NA	NA	NA	NA	NA
pH (s.u.)	8.13	7.17	7.19	7.19	7.29	7.32	7.33	7.34
Conductivity (mS/cm)	4.20	4.08	3.76	3.04	2.77	2.53	2.51	2.47
Turbidity (NTUs)	75.3	78.9	63.8	59.4	55.0	53.8	52.9	52.7
Dissolved Oxygen (mg/L)	0.58	1.79	2.58	3.49	3.98	4.16	4.17	4.19
Temperature (Degrees C)	17.43	17.49	17.68	17.84	18.01	18.08	18.05	18.01
ORP (mV)	-57	-54	-53	-48	-46	-41	-39	-38
Salinity (%)	2.3	2.0	1.9	1.9	1.6	1.4	1.3	1.1
TDS (g/L)	2.75	2.33	2.15	2.01	1.87	1.74	1.70	1.66

SAMPLE ANALYSIS / LABORATORY

Analyze For: VOCs and SVOCs

 Shipped Via: _____
 Laboratory: Test America

 Other Notes: _____

PARSONS GROUNDWATER SAMPLING RECORD

SITE NAME: Con Edison - White Plains
PROJECT NUMBER: 451789-01000
Purge Date: 5-22-19
Sampling Date: 5-22-19
Samplers: Kirsten Valentini of Parsons / Somerset, NJ
SAMPLE ID: MW-9
Sampling Method: Low flow purge utilizing Monsoon Pump

WELL PURGING

Static Water Level (TOC): 29.87
 Depth to Well Bottom (TOC): 62.00
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 : Clear

FIELD TESTS

	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	SAMPLE
Time	1315	1320	1325	1330	1335	1340	1345	1350
Depth To Water (TOC) (ft)	30.30	30.32	30.33	30.34	30.35	30.36	30.36	30.37
Depth To Pump (TOC) (ft)	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00
Flow Rate (ml/min)	~200	~200	~200	~200	~200	~200	~200	~200
Volume of Water Purged	NA	NA	NA	NA	NA	NA	NA	NA
pH (s.u.)	7.47	7.46	7.44	7.43	7.42	7.43	7.40	7.43
Conductivity (mS/cm)	2.71	2.80	2.93	2.94	3.06	NA	NA	NA
Turbidity (NTUs)	254	98.9	41.6	29.1	24.1	23.7	23.8	23.8
Dissolved Oxygen (mg/L)	8.65	5.23	3.89	3.13	2.72	1.98	1.98	1.95
Temperature (Degrees C)	18.09	18.01	17.93	17.91	17.83	17.80	17.78	17.77
ORP (mV)	-51	-54	-59	-60	-66	-68	-71	-70
Salinity (%)	1.4	1.5	1.5	1.5	1.6	1.6	1.6	1.6
TDS (g/L)	1.73	1.79	1.80	1.90	1.96	1.98	1.98	2.00

SAMPLE ANALYSIS / LABORATORY

Analyze For: VOCs and SVOCs

 Shipped Via: _____
 Laboratory: Test America

 Other Notes: _____

PARSONS GROUNDWATER SAMPLING RECORD

SITE NAME: Con Edison - White Plains
PROJECT NUMBER: 451789-01000
Purge Date: 5-21-19
Sampling Date: 5-21-19
Samplers: Kirsten Valentini of Parsons / Somerset, NJ
SAMPLE ID: MW-10
Sampling Method: Low flow purge utilizing Monsoon Pump

WELL PURGING

Static Water Level (TOC): 20.40
 Depth to Well Bottom (TOC): 50.30
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 : Clear

FIELD TESTS

	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	SAMPLE
Time	1315	1320	1325	1330	1335	1340	1345	1350
Depth To Water (TOC) (ft)	20.41	20.41	20.42	20.43	20.43	20.44	20.44	20.44
Depth To Pump (TOC) (ft)	48.30	48.30	48.30	48.30	48.30	48.30	48.30	48.30
Flow Rate (ml/min)	~200	~200	~200	~200	~200	~200	~200	~200
Volume of Water Purged	NA	NA	NA	NA	NA	NA	NA	NA
pH (s.u.)	7.87	7.70	7.52	7.34	7.29	7.27	7.24	7.23
Conductivity (mS/cm)	9.03	8.99	8.93	8.80	8.88	8.86	8.86	8.84
Turbidity (NTUs)	55.6	24.7	21.0	19.3	17.0	5.3	5.0	4.8
Dissolved Oxygen (mg/L)	2.59	2.24	1.83	1.66	1.59	1.28	1.25	1.21
Temperature (Degrees C)	16.68	16.365	16.64	16.64	16.64	16.52	16.50	16.48
ORP (mV)	203	200	198	197	193	181	178	174
Salinity (%)	5.0	4.9	4.9	5.0	4.9	4.9	4.9	4.9
TDS (g/L)	5.67	5.66	5.66	5.66	5.59	5.57	5.56	5.56

SAMPLE ANALYSIS / LABORATORY

Analyze For: VOCs and SVOCs

 Shipped Via: _____
 Laboratory: Test America

 Other Notes: _____

PARSONS GROUNDWATER SAMPLING RECORD

SITE NAME: Con Edison - White Plains
PROJECT NUMBER: 451789-01000
Purge Date: 5-21-19
Sampling Date: 5-21-19
Samplers: Kirsten Valentini of Parsons / Somerset, NJ
SAMPLE ID: MW-11A
Sampling Method: Low flow purge utilizing Monsoon Pump

WELL PURGING

Static Water Level (TOC): 23.74
 Depth to Well Bottom (TOC): 26.80
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 : Clear

FIELD TESTS

	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	SAMPLE
Time	1155	1200	1205	1210	1215	1220	1225	1230
Depth To Water (TOC) (ft)	24.06	24.10	24.12	24.14	24.16	24.19	24.20	24.21
Depth To Pump (TOC) (ft)	24.80	24.80	24.80	24.80	24.80	24.80	24.80	24.80
Flow Rate (ml/min)	~150	~150	~150	~150	~150	~150	~150	~150
pH (s.u.)	7.63	7.54	7.53	7.51	7.08	7.05	7.05	7.03
Conductivity (mS/cm)	5.42	5.57	5.59	5.68	5.69	5.70	5.73	5.75
Turbidity (NTUs)	111	62.0	34.1	8.1	6.0	3.1	3.0	2.8
Dissolved Oxygen (mg/L)	5.82	3.71	3.72	3.82	3.85	3.86	3.85	3.88
Temperature (Degrees C)	17.14	17.01	16.99	16.97	16.99	17.00	17.00	17.02
ORP (mV)	128	134	136	142	144	145	146	148
Salinity (%)	3.0	3.0	3.0	3.1	3.1	3.1	3.1	3.1
TDS (g/L)	3.53	3.53	3.56	3.58	3.59	3.60	3.62	3.62

SAMPLE ANALYSIS / LABORATORY

Analyze For: VOCs and SVOCs

 Shipped Via: _____
 Laboratory: Test America

 Other Notes: Water level below top of pump during purging

PARSONS GROUNDWATER SAMPLING RECORD

SITE NAME: Con Edison - White Plains
PROJECT NUMBER: 451789-01000
Purge Date: 5-21-19
Sampling Date: 5-21-19
Samplers: Kirsten Valentini of Parsons / Somerset, NJ
SAMPLE ID: MW-11B
Sampling Method: Low flow purge utilizing Monsoon Pump

WELL PURGING

Static Water Level (TOC): 24.02
 Depth to Well Bottom (TOC): 36.00
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 : Clear

FIELD TESTS

	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	SAMPLE
Time	1235	1240	1245	1250	1255	1300	1305	1310
Depth To Water (TOC) (ft)	24.13	24.17	24.21	24.25	24.33	24.35	24.37	24.39
Depth To Pump (TOC) (ft)	34.00	34.00	34.00	34.00	34.00	34.00	34.00	34.00
Flow Rate (ml/min)	~150	~150	~150	~150	~150	~150	~150	~150
Volume of Water Purged	NA	NA	NA	NA	NA	NA	NA	NA
pH (s.u.)	7.48	7.51	7.52	7.62	7.62	7.61	7.60	7.60
Conductivity (mS/cm)	4.31	4.30	4.29	4.23	4.23	4.22	4.21	4.20
Turbidity (NTUs)	43.1	26.0	13.0	9.1	7.3	5.9	5.7	5.7
Dissolved Oxygen (mg/L)	6.31	6.04	5.97	5.90	4.83	4.71	4.68	4.66
Temperature (Degrees C)	17.59	17.52	17.45	17.37	17.41	17.44	17.47	17.49
ORP (mV)	174	157	154	148	150	149	149	150
Salinity (%)	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
TDS (g/L)	2.71	2.71	2.71	2.71	2.71	2.69	2.66	2.66

SAMPLE ANALYSIS / LABORATORY

Analyze For: VOCs and SVOCs

 Shipped Via: _____
 Laboratory: Test America

 Other Notes: _____

PARSONS GROUNDWATER SAMPLING RECORD

SITE NAME: Con Edison - White Plains
PROJECT NUMBER: 451789-01000
Purge Date: 5-23-19
Sampling Date: 5-23-19
Samplers: Kirsten Valentini of Parsons / Somerset, NJ
SAMPLE ID: MW-11C
Sampling Method: Low flow purge utilizing Monsoon Pump

WELL PURGING

Static Water Level (TOC): 23.75
 Depth to Well Bottom (TOC): 49.50
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 : Gray tint

FIELD TESTS

	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	SAMPLE
Time	1030	1035	1040	1045	1050	1055	1100	1105
Depth To Water (TOC) (ft)	24.05	24.06	24.06	24.06	24.06	24.06	24.06	24.06
Depth To Pump (TOC) (ft)	47.50	47.50	47.50	47.50	47.50	47.50	47.50	47.50
Flow Rate (ml/min)	~150	~200	~200	~225	~225	~225	~225	~225
Volume of Water Purged	NA	NA	NA	NA	NA	NA	NA	NA
pH (s.u.)	7.85	7.79	7.76	7.63	7.63	7.62	7.60	7.61
Conductivity (mS/cm)	3.24	3.39	4.13	4.67	5.66	5.68	5.74	5.78
Turbidity (NTUs)	6.2	6.1	7.4	7.9	11.3	11.6	11.8	12.0
Dissolved Oxygen (mg/L)	0.58	0.42	0.28	0.11	0.07	0.04	0.03	0.03
Temperature (Degrees C)	17.24	17.24	17.25	17.25	17.27	17.23	17.21	17.19
ORP (mV)	-128	-139	-154	-163	-151	-140	-136	-130
Salinity (%)	1.7	1.9	2.1	2.3	2.8	2.8	2.8	3.1
TDS (g/L)	2.11	2.36	2.60	2.82	3.54	3.60	3.63	3.64

SAMPLE ANALYSIS / LABORATORY

Analyze For: VOCs and SVOCs

 Shipped Via: _____
 Laboratory: Test America

 Other Notes: _____

PARSONS GROUNDWATER SAMPLING RECORD

SITE NAME: Con Edison - White Plains
PROJECT NUMBER: 451789-01000
Purge Date: 5-22-19
Sampling Date: 5-22-19
Samplers: Kirsten Valentini of Parsons / Somerset, NJ
SAMPLE ID: MW-12A
Sampling Method: Low flow purge utilizing Monsoon Pump

WELL PURGING

Static Water Level (TOC): 27.07
 Depth to Well Bottom (TOC): 30.50
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 : Clear

FIELD TESTS

	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	SAMPLE
Time	0800	0805	0810	0815	0820	0825	0830	0835
Depth To Water (TOC) (ft)	27.20	27.20	27.23	27.30	27.41	27.41	27.41	27.41
Depth To Pump (TOC) (ft)	29.50	29.50	29.50	29.50	29.50	29.50	29.50	29.50
Flow Rate (ml/min)	~100	~100	~125	~125	~125	~125	~125	~125
Volume of Water Purged	NA	NA	NA	NA	NA	NA	NA	NA
pH (s.u.)	8.14	8.07	8.03	8.03	8.03	8.03	8.03	8.03
Conductivity (mS/cm)	0.448	0.451	0.457	0.463	0.465	0.464	0.462	0.461
Turbidity (NTUs)	376	201	60.5	10.6	9.8	7.3	6.8	6.2
Dissolved Oxygen (mg/L)	2.95	1.83	1.49	1.16	1.93	1.70	1.68	1.65
Temperature (Degrees C)	15.83	16.25	15.68	15.74	15.78	15.78	15.78	15.79
ORP (mV)	49	54	60	55	56	57	58	60
Salinity (%)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
TDS (g/L)	0.29	0.294	0.297	0.302	0.301	0.3	0.299	0.299

SAMPLE ANALYSIS / LABORATORY

Analyze For: VOCs and SVOCs
 Shipped Via: _____
 Laboratory: Test America
 Other Notes: _____

**PARSONS
GROUNDWATER SAMPLING RECORD**

SITE NAME: Con Edison - White Plains
PROJECT NUMBER: 451789-01000
Purge Date: 5-22-19
Sampling Date: 5-22-19
Samplers: Kirsten Valentini of Parsons / Somerset, NJ
SAMPLE ID: MW-12B
Sampling Method: Low flow purge utilizing Monsoon Pump

WELL PURGING

Static Water Level (TOC): 27.04
 Depth to Well Bottom (TOC): 45.00
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 : Clear

FIELD TESTS

	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	SAMPLE
Time	0850	0855	0900	0905	0910	0915	0920	0925
Depth To Water (TOC) (ft)	28.13	28.14	28.14	28.14	28.15	28.15	28.15	28.16
Depth To Pump (TOC) (ft)	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0
Flow Rate (ml/min)	200	200	200	200	200	200	200	200
Volume of Water Purged	NA	NA	NA	NA	NA	NA	NA	NA
pH (s.u.)	7.93	8.04	8.05	8.03	8.03	8.02	8.01	8.00
Conductivity (mS/cm)	0.642	0.661	0.697	0.711	0.713	0.723	0.726	0.729
Turbidity (NTUs)	107	88.3	66.3	50.8	46.6	20.1	19.5	19.0
Dissolved Oxygen (mg/L)	3.18	2.57	1.33	0.99	0.72	0.34	0.30	0.26
Temperature (Degrees C)	16.01	16.24	16.40	16.58	16.64	16.66	16.67	16.67
ORP (mV)	108	96	71	45	24	14	13	10
Salinity (%)	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4
TDS (g/L)	0.431	0.438	0.447	0.455	0.457	0.460	0.465	0.469

SAMPLE ANALYSIS / LABORATORY

Analyze For: VOCs and SVOCs
 Shipped Via:
 Laboratory: Test America
 Other Notes:

PARSONS GROUNDWATER SAMPLING RECORD

SITE NAME: Con Edison - White Plains
PROJECT NUMBER: 451789-01000
Purge Date: 5-22-19
Sampling Date: 5-22-19
Samplers: Kirsten Valentini of Parsons / Somerset, NJ
SAMPLE ID: MW-13
Sampling Method: Low flow purge utilizing Monsoon Pump

WELL PURGING

Static Water Level (TOC): 27.15
 Depth to Well Bottom (TOC): 65.45
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 : Clear

FIELD TESTS

	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	SAMPLE
Time	0705	0710	0715	0720	0725	0730	0735	0740
Depth To Water (TOC) (ft)	27.40	27.40	27.40	27.40	27.40	27.40	27.40	27.40
Depth To Pump (TOC) (ft)	63.45	63.45	63.45	63.45	63.45	63.45	63.45	63.45
Flow Rate (ml/min)	150	200	200	200	225	225	225	225
Volume of Water Purged	NA	NA	NA	NA	NA	NA	NA	NA
pH (s.u.)	7.32	7.28	7.14	7.14	7.11	7.11	7.12	7.12
Conductivity (mS/cm)	3.00	3.01	3.03	3.03	3.05	3.08	3.09	3.10
Turbidity (NTUs)	504	737	405	148	30.3	26.2	25.7	25.4
Dissolved Oxygen (mg/L)	2.82	2.78	2.73	1.95	4.36	2.84	2.82	2.79
Temperature (Degrees C)	15.44	15.37	15.20	15.23	15.31	15.31	15.32	15.32
ORP (mV)	-56	-63	-67	-71	-74	-75	-77	-79
Salinity (%)	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
TDS (g/L)	1.92	1.93	1.94	1.94	1.95	1.97	1.98	1.99

SAMPLE ANALYSIS / LABORATORY

Analyze For: VOCs and SVOCs

 Shipped Via: _____
 Laboratory: Test America

 Other Notes: _____

PARSONS GROUNDWATER SAMPLING RECORD

SITE NAME: Con Edison - White Plains
PROJECT NUMBER: 451789-01000
Purge Date: 5-23-19
Sampling Date: 5-23-19
Samplers: Kirsten Valentini of Parsons / Somerset, NJ
SAMPLE ID: MW-14
Sampling Method: Low flow purge utilizing Monsoon Pump

WELL PURGING

Static Water Level (TOC): 27.45
 Depth to Well Bottom (TOC): 66.00
CALCULATIONS: Ft. of Water in Well _____ X (GAL / FT) = _____ Gallons
2-inch Casing: Ft. of Water in Well _____ x 0.16 = _____ Gallons
3-inch Casing: Ft. of Water in Well _____ x 0.32 = _____ Gallons
4-inch Casing: Ft. of Water in Well _____ x 0.64 = _____ Gallons
 Method: Low flow purge utilizing Monsoon Pump

SAMPLE DESCRIPTION

Odor : Hydrocarbon odor
 Other : Clear

FIELD TESTS

	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	SAMPLE
Time	0935	0940	0945	0950	0955	1000	1005	1010
Depth To Water (TOC) (ft)	27.48	27.50	27.51	27.52	27.53	27.53	27.54	27.55
Depth To Pump (TOC) (ft)	64.00	64.00	64.00	64.00	64.00	64.00	64.00	64.00
Flow Rate (ml/min)	200	200	200	200	200	200	200	200
Volume of Water Purged	NA	NA	NA	NA	NA	NA	NA	NA
pH (s.u.)	7.99	7.89	7.83	7.72	7.64	7.60	7.58	7.56
Conductivity (mS/cm)	1.56	1.63	1.68	1.72	1.77	1.82	1.86	1.88
Turbidity (NTUs)	24.4	29.8	36.1	27.3	21.4	15.9	15.6	15.2
Dissolved Oxygen (mg/L)	4.11	3.68	3.05	2.17	1.33	0.13	0.10	0.07
Temperature (Degrees C)	15.88	15.93	15.81	15.79	15.72	15.67	15.68	15.68
ORP (mV)	-58	-66	-68	-78	-84	-86	-89	-93
Salinity (%)	0.9	0.9	0.9	0.9	0.9	0.9	1.0	1.0
TDS (g/L)	0.995	0.997	1.03	1.16	1.12	1.21	1.21	1.22

SAMPLE ANALYSIS / LABORATORY

Analyze For: VOCs and SVOCs

 Shipped Via: _____
 Laboratory: Test America

 Other Notes: _____

PARSONS GROUNDWATER SAMPLING RECORD

SITE NAME: Con Edison - White Plains
PROJECT NUMBER: 451789-01000
Purge Date: 5-23-19
Sampling Date: 5-23-19
Samplers: Kirsten Valentini of Parsons / Somerset, NJ
SAMPLE ID: MW-15
Sampling Method: Low flow purge utilizing Monsoon Pump

WELL PURGING

Static Water Level (TOC): 29.55
 Depth to Well Bottom (TOC): 67.10
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 and Horiba 452

SAMPLE DESCRIPTION

Odor : Strong hydrocarbon odor
 Other : Grey tint; sheen on purge water

FIELD TESTS

	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	SAMPLE
Time	0710	0715	0720	0725	0730	0735	0740	0745
Depth To Water (TOC) (ft)	30.62	30.63	30.65	30.67	30.68	30.68	30.69	30.70
Depth To Pump (TOC) (ft)	65.10	65.10	65.10	65.10	65.10	65.10	65.10	65.10
Flow Rate (ml/min)	150	150	200	200	200	200	200	200
Volume of Water Purged	NA	NA	NA	NA	NA	NA	NA	NA
pH (s.u.)	7.50	7.32	6.99	6.79	6.83	6.84	6.86	6.88
Conductivity (mS/cm)	0.414	0.813	1.16	1.92	2.33	2.61	2.65	2.67
Turbidity (NTUs)	440	302	216	114	78.1	38.0	37.6	37.2
Dissolved Oxygen (mg/L)	1.08	1.83	2.49	3.66	4.26	4.33	4.36	4.37
Temperature (Degrees C)	15.08	15.03	14.99	14.94	14.94	14.93	14.93	14.94
ORP (mV)	-57	-53	-49	-47	-49	-49	-50	-50
Salinity (%)	0.2	0.8	1.0	1.0	1.2	1.3	1.3	1.4
TDS (g/L)	0.23	0.966	1.27	1.29	1.38	1.60	1.67	1.66

SAMPLE ANALYSIS / LABORATORY

Analyze For: VOCs and SVOCs
 Shipped Via: _____
 Laboratory: Test America
 Other Notes: _____

PARSONS GROUNDWATER SAMPLING RECORD

SITE NAME: Con Edison - White Plains
PROJECT NUMBER: 451789-01000
Purge Date: 5-22-19
Sampling Date: 5-22-19
Samplers: Kirsten Valentini of Parsons / Somerset, NJ
SAMPLE ID: MW-16
Sampling Method: Low flow purge utilizing Monsoon Pump

WELL PURGING

Static Water Level (TOC): 28.33
 Depth to Well Bottom (TOC): 65.30
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 : Clear

FIELD TESTS

	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	SAMPLE
Time	1210	1215	1220	1225	1230	1235	1240	1245
Depth To Water (TOC) (ft)	28.40	28.43	28.44	28.45	28.45	28.45	28.46	28.47
Depth To Pump (TOC) (ft)	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
Flow Rate (ml/min)	200	200	200	200	200	200	200	200
Volume of Water Purged	NA	NA	NA	NA	NA	NA	NA	NA
pH (s.u.)	7.63	7.52	7.48	7.34	7.33	7.30	7.27	7.24
Conductivity (mS/cm)	4.87	4.73	2.64	1.56	1.04	1.03	1.03	1.01
Turbidity (NTUs)	134	95.8	93.7	90.1	78.3	43.2	42.6	42.4
Dissolved Oxygen (mg/L)	2.16	1.33	0.28	0.14	0.07	0.06	0.06	0.03
Temperature (Degrees C)	18.13	17.70	20.29	20.87	20.98	21.01	21.03	21.04
ORP (mV)	-83	-105	-109	-114	-117	-119	-121	-122
Salinity (%)	2.5	1.8	1.3	1.0	1.0	0.9	0.9	0.9
TDS (g/L)	3.01	3.00	2.26	1.40	1.40	1.38	1.37	1.37

SAMPLE ANALYSIS / LABORATORY

Analyze For: VOCs and SVOCs

 Shipped Via: _____
 Laboratory: Test America

 Other Notes: _____

PARSONS GROUNDWATER SAMPLING RECORD

SITE NAME: Con Edison - White Plains
PROJECT NUMBER: 451789-01000
Purge Date: 5-21-19
Sampling Date: 5-21-19
Samplers: Kirsten Valentini of Parsons / Somerset, NJ
SAMPLE ID: MW-17
Sampling Method: Low flow purge utilizing Monsoon Pump

WELL PURGING

Static Water Level (TOC): 28.35
 Depth to Well Bottom (TOC): 50.40
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 : Clear

FIELD TESTS

	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	SAMPLE
Time	1405	1410	1415	1420	1425	1430	1435
Depth To Water (TOC) (ft)	28.38	28.41	28.44	28.47	28.48	28.50	28.51
Depth To Pump (TOC) (ft)	48.4	48.4	48.4	48.4	48.4	48.4	48.4
Flow Rate (ml/min)	200	200	200	200	200	200	200
Volume of Water Purged	NA	NA	NA	NA	NA	NA	NA
pH (s.u.)	7.82	7.78	7.77	7.77	7.78	7.78	7.79
Conductivity (mS/cm)	3.22	3.36	3.47	3.35	3.34	3.33	3.34
Turbidity (NTUs)	103	87.0	48.7	26.7	13.2	13.0	12.8
Dissolved Oxygen (mg/L)	6.51	6.29	6.08	5.99	5.91	5.90	5.90
Temperature (Degrees C)	19.12	19.39	20.18	19.45	19.45	19.46	19.46
ORP (mV)	115	124	125	127	128	129	130
Salinity (%)	1.7	1.8	1.8	1.7	1.7	1.7	1.7
TDS (g/L)	2.05	2.20	2.17	2.14	2.13	2.11	2.09

SAMPLE ANALYSIS / LABORATORY

Analyze For: VOCs and SVOCs
 Shipped Via: _____
 Laboratory: Test America
 Other Notes: _____

PARSONS GROUNDWATER SAMPLING RECORD

SITE NAME: Con Edison - White Plains
PROJECT NUMBER: 451789-01000
Purge Date: 5-23-19
Sampling Date: 5-23-19
Samplers: Kirsten Valentini of Parsons / Somerset, NJ
SAMPLE ID: MW-18
Sampling Method: Low flow purge utilizing Monsoon Pump

WELL PURGING

Static Water Level (TOC): 31.81
 Depth to Well Bottom (TOC): 71.50
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 : Hydrocarbon Odor
 Other : Grey tint; sheen on purge water

FIELD TESTS

	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	SAMPLE
Time	0815	0820	0825	0830	0835	0840	0845	0850
Depth To Water (TOC) (ft)	32.07	32.08	32.08	32.08	32.09	32.09	32.10	32.10
Depth To Pump (TOC) (ft)	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
Flow Rate (ml/min)	200	200	200	200	200	200	200	200
Volume of Water Purged	NA	NA	NA	NA	NA	NA	NA	NA
pH (s.u.)	7.01	7.28	7.31	7.41	7.43	7.55	7.55	7.55
Conductivity (mS/cm)	3.47	3.59	3.62	3.70	3.73	3.76	3.75	3.75
Turbidity (NTUs)	559	532	407	300	107	37.6	37.7	37.3
Dissolved Oxygen (mg/L)	6.37	4.02	2.78	1.73	1.48	1.99	2.03	2.04
Temperature (Degrees C)	13.98	13.92	14.23	14.51	14.67	14.94	14.96	14.97
ORP (mV)	-28	-77	-81	-86	-95	-106	-109	-110
Salinity (%)	1.7	1.8	1.8	1.8	1.9	2.0	2.0	2.0
TDS (g/L)	2.30	2.31	2.33	2.33	2.33	2.41	2.40	2.40

SAMPLE ANALYSIS / LABORATORY

Analyze For: VOCs and SVOCs

 Shipped Via: _____
 Laboratory: Test America

 Other Notes: _____

PARSONS GROUNDWATER SAMPLING RECORD

SITE NAME: Con Edison - White Plains
PROJECT NUMBER: 451789-01000
Purge Date: 5-21-19
Sampling Date: 5-21-19
Samplers: Kirsten Valentini of Parsons / Somerset, NJ
SAMPLE ID: MW-19
Sampling Method: Low flow purge utilizing Monsoon Pump

WELL PURGING

Static Water Level (TOC): 7.36
 Depth to Well Bottom (TOC): 19.90
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 and Horiba 452

SAMPLE DESCRIPTION

Odor : None
 Other : Turbid

FIELD TESTS

	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	SAMPLE
Time	0700	0705	0710	0715	0720	0725	0730	0735
Depth To Water (TOC) (ft)	8.63	8.80	9.78	9.93	10.01	10.04	10.06	10.07
Depth To Pump (TOC) (ft)	17.90	17.90	17.90	17.90	17.90	17.90	17.90	17.90
Flow Rate (ml/min)	250	150	125	125	125	125	125	125
Volume of Water Purged	NA	NA	NA	NA	NA	NA	NA	NA
pH (s.u.)	7.30	7.22	7.15	7.14	7.12	7.08	7.07	7.07
Conductivity (mS/cm)	6.48	6.49	6.50	6.49	6.49	6.49	6.50	6.53
Turbidity (NTUs)	+1000	732	379	366	230	122	121	123
Dissolved Oxygen (mg/L)	1.38	0.78	0.45	0.33	0.28	0.23	0.21	0.19
Temperature (Degrees C)	15.33	15.04	14.71	14.83	14.95	14.72	14.71	14.72
ORP (mV)	63	66	69	68	66	65	65	64
Salinity (%)	3.5	3.5	3.5	3.5	3.5	3.5	3.6	3.6
TDS (g/L)	4.07	4.07	4.10	4.07	4.08	4.08	4.09	4.11

SAMPLE ANALYSIS / LABORATORY

Analyze For: VOCs and SVOCs

 Shipped Via: _____
 Laboratory: Test America

 Other Notes: _____

PARSONS GROUNDWATER SAMPLING RECORD

SITE NAME: Con Edison - White Plains
PROJECT NUMBER: 451789-01000
Purge Date: 5-21-19
Sampling Date: 5-21-19
Samplers: Kirsten Valentini of Parsons / Somerset, NJ
SAMPLE ID: MW-20, MW-20MS, MW-20MSD, MW-120 (Dup)
Sampling Method: Low flow purge utilizing Monsoon Pump

WELL PURGING

Static Water Level (TOC): 13.91
 Depth to Well Bottom (TOC): 20.00
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 : Clear

FIELD TESTS

	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	SAMPLE
Time	1000	1005	1010	1015	1020	1025	1030	1035
Depth To Water (TOC) (ft)	13.96	14.11	14.26	14.38	14.45	14.48	14.53	14.57
Depth To Pump (TOC) (ft)	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00
Flow Rate (ml/min)	150	150	175	175	175	175	175	175
Volume of Water Purged	NA	NA	NA	NA	NA	NA	NA	NA
pH (s.u.)	7.53	7.49	7.47	7.43	7.41	7.39	7.39	7.37
Conductivity (mS/cm)	5.13	5.39	6.98	6.99	7.06	7.17	7.19	7.20
Turbidity (NTUs)	335	224	203	162	131	98	99	100
Dissolved Oxygen (mg/L)	3.19	2.88	2.74	1.96	1.04	0.36	0.33	0.30
Temperature (Degrees C)	15.83	15.78	15.74	15.50	15.13	15.05	15.02	14.99
ORP (mV)	79	62	53	29	3	1	-2	-4
Salinity (%)	3.8	3.8	3.8	4.1	4.5	4.5	4.5	4.5
TDS (g/L)	4.38	4.38	4.40	4.76	5.03	5.18	5.19	5.19

SAMPLE ANALYSIS / LABORATORY

Analyze For: VOCs and SVOCs

 Shipped Via: _____
 Laboratory: Test America

 Other Notes: QA/QC collected: MW-20-MS, MW-20-MSD, and MW-120

PARSONS GROUNDWATER SAMPLING RECORD

SITE NAME: Con Edison - White Plains
PROJECT NUMBER: 451789-01000
Purge Date: 5-22-19
Sampling Date: 5-22-19
Samplers: Kirsten Valentini of Parsons / Somerset, NJ
SAMPLE ID: MW-101
Sampling Method: Low flow purge utilizing Monsoon Pump

WELL PURGING

Static Water Level (TOC): 24.96
 Depth to Well Bottom (TOC): 59.00
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 : Black/grey tint

FIELD TESTS

	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	SAMPLE
Time	1015	1020	1025	1030	1035	1040	1045	1050
Depth To Water (TOC) (ft)	24.98	24.99	25.00	25.01	25.01	25.02	25.03	25.03
Depth To Pump (TOC) (ft)	57.00	57.00	57.00	57.00	57.00	57.00	57.00	57.00
Flow Rate (ml/min)	200	200	200	200	200	200	200	200
Volume of Water Purged	NA	NA	NA	NA	NA	NA	NA	NA
pH (s.u.)	6.11	6.93	7.33	7.34	7.34	7.35	7.36	7.37
Conductivity (mS/cm)	6.13	5.77	5.34	5.25	5.00	4.73	4.76	4.80
Turbidity (NTUs)	444	307	295	261	232	229	227	226
Dissolved Oxygen (mg/L)	9.26	7.31	6.04	5.16	3.98	3.61	3.57	3.55
Temperature (Degrees C)	16.63	17.54	17.98	18.31	18.91	19.31	19.33	19.37
ORP (mV)	-38	-77	-102	-104	-103	-101	-102	-101
Salinity (%)	1.3	2.7	2.9	2.8	2.7	2.6	2.6	2.6
TDS (g/L)	3.44	3.40	3.39	3.30	3.24	3.18	3.14	3.11

SAMPLE ANALYSIS / LABORATORY

Analyze For: VOCs and SVOCs

 Shipped Via: _____
 Laboratory: Test America

 Other Notes: _____

Attachment 2
Data Usability Summary Report – June 2018

DATA USABILITY SUMMARY REPORT

**MAY 2019 SEMIANNUAL SAMPLING
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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JUNE 2019

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LIST OF ATTACHMENTS

ATTACHMENT A VALIDATED LABORATORY DATA

SECTION 1

DATA USABILITY SUMMARY

Groundwater samples were collected as part of the semiannual sampling at the Consolidated Edison White Plains site on May 21, 2019 through May 23, 2019. Analytical results from these samples were validated and reviewed by Parsons for usability with respect to the following requirements:

- Work Plan,
- Analytical methodologies, and
- USEPA Region II Standard Operating Procedures (SOPs).

The analytical laboratory for this project was Eurofins – Test America Laboratories (TAL) in Edison, New Jersey. 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 13 days for the project samples.

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

1.2 SAMPLING AND CHAIN-OF-CUSTODY

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

1.3 LABORATORY ANALYTICAL METHODS

Groundwater samples were collected from the site and 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 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 VOC analytical results were qualified as estimated based upon instrument calibrations. The reported VOC analytical results were 100% complete (i.e., usable) for the analytical 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 groundwater SVOC samples were qualified as estimated based upon laboratory control sample (LCS) recoveries, matrix spike/matrix spike duplicate (MS/MSD) recoveries, and instrument calibrations. The reported SVOC analytical results were 100% complete (i.e., usable) for the analytical data. PARCCS requirements were met.

SECTION 2

DATA VALIDATION REPORT

2.1 GROUNDWATER SAMPLES

Data review has been completed for data packages generated by TAL containing analytical results from groundwater samples collected from the site. All of these samples were properly preserved, shipped under a COC record, and received intact by the analytical laboratory. Analytical data were submitted in sample delivery group (SDG) 460-182890-1.

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

2.1.1 Volatiles

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

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

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

MS/MSD Precision and Accuracy

All MS/MSD precision (relative percent difference; RPD) and accuracy (percent recovery; %R) measurements were considered acceptable and within QC limits for designated spiked project samples with the exception of the low MS accuracy result for 1,2,4-trichlorobenzene and the high MS/MSD precision results for 1,1-dichloroethene, carbon disulfide, chloromethane, cyclohexane, and 1,2,3-trichlorobenzene during the spiked analyses of sample MW-20. Validation qualification of the parent sample was not required.

Blank Contamination

The QC equipment blank associated with the project samples contained methylene chloride below the reporting limit at a concentration of 0.52 µg/L. Validation qualification of these samples was not required.

Continuing Calibrations

All continuing calibration compounds were compliant with a minimum relative response factor (RRF) of 0.05 (0.01 for poor performers) and a percent difference (%D) within ±20% (±40% for poor performers) with the exception of methyl acetate (29.9%D) and bromoform (-20.3%D) in the continuing calibration associated with all samples except MW-20, MW-16, MW-15, MW-18, MW-14, and MW-11C. Therefore, the results for these compounds which were nondetects were considered estimated and qualified "UJ" for the affected samples.

Usability

All volatile sample results were considered usable following data validation.

Summary

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

2.1.2 Semivolatiles

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

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

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

MS/MSD Precision and Accuracy

All MS/MSD precision (relative percent difference; RPD) and accuracy (percent accuracy; %R) measurements were considered acceptable and within QC limits for designated spiked project samples with the exception of the low MS/MSD accuracy results for 3,3'-dichlorobenzidine (62%R/57%R; QC limit 68-123%R) and atrazine (22%R/19%R; QC limit 38-146%R) during the spiked analyses of sample MW-20. Therefore, the results for these compounds which were nondetects were considered estimated and qualified "UJ" for the affected parent sample.

LCS Recoveries

All LCS recoveries were considered acceptable and within QC limits with the exception of the low LCS recoveries for atrazine (20%R, 22%R, 23%R, 26%R; QC limit 38-146%R) associated with all samples. Therefore, results for this compound which were nondetects were considered estimated and qualified "UJ" for the affected samples.

Continuing Calibrations

All continuing calibration compounds were compliant with a minimum relative response factor (RRF) of 0.05 (0.01 for poor performers) and a percent difference (%D) within $\pm 20\%$ ($\pm 40\%$ for poor performers) with the exception of indeno(1,2,3-cd)pyrene (21.9%D) in the continuing calibration associated with samples MW-8, MW-16, MW-9, MW-15, MW-18, and MW-14. Therefore, the results for this compound which were nondetects were considered estimated and qualified "UJ" for the affected samples.

Usability

All semivolatile sample results were considered usable following data validation

Summary

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

ATTACHMENT A
VALIDATED LABORATORY DATA

Con Ed - White Plains Validated Groundwater Analytical Data May 2019 SDGs: 460-182890-1		Location ID: Sample ID: Lab Sample ID: Source: SDG: Matrix: Sampled: Validated:	MW-6 MW-6-20190521 460-182890-3 TALED 4601828901 WATER 5/21/2019 9:30 6/12/2019	MW-7 MW-7-20190521 460-182890-2 TALED 4601828901 WATER 5/21/2019 8:25 6/12/2019	MW-8 MW-8-20190522 460-182890-14 TALED 4601828901 WATER 5/22/2019 11:50 6/12/2019	MW-9 MW-9-20190522 460-182890-16 TALED 4601828901 WATER 5/22/2019 13:50 6/12/2019	MW-10 MW-10-20190521 460-182890-8 TALED 4601828901 WATER 5/21/2019 13:50 6/12/2019
CAS NO.	COMPOUND	UNITS:					
	VOLATILES						
71-55-6	1,1,1-TRICHLOROETHANE	ug/l	1 U	1 U	1 U	1 U	1 U
79-34-5	1,1,2,2-TETRACHLOROETHANE	ug/l	1 U	1 U	1 U	1 U	1 U
76-13-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	1 U	1 U	1 U	1 U	1 U
79-00-5	1,1,2-TRICHLOROETHANE	ug/l	1 U	1 U	1 U	1 U	1 U
75-34-3	1,1-DICHLOROETHANE	ug/l	1 U	1 U	1 U	1 U	1 U
75-35-4	1,1-DICHLOROETHENE	ug/l	1 U	1 U	1 U	1 U	1 U
87-61-6	1,2,3-TRICHLOROBENZENE	ug/l	1 U	1 U	1 U	1 U	1 U
120-82-1	1,2,4-TRICHLOROBENZENE	ug/l	1 U	1 U	1 U	1 U	1 U
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	ug/l	1 U	1 U	1 U	1 U	1 U
106-93-4	1,2-DIBROMOETHANE	ug/l	1 U	1 U	1 U	1 U	1 U
95-50-1	1,2-DICHLOROBENZENE	ug/l	1 U	1 U	1 U	1 U	1 U
107-06-2	1,2-DICHLOROETHANE	ug/l	1 U	1 U	1 U	1.3	1 U
78-87-5	1,2-DICHLOROPROPANE	ug/l	1 U	1 U	1 U	1 U	1 U
541-73-1	1,3-DICHLOROBENZENE	ug/l	1 U	1 U	1 U	1 U	1 U
106-46-7	1,4-DICHLOROBENZENE	ug/l	1 U	1 U	1 U	1 U	1 U
123-91-1	1,4-DIOXANE (P-DIOXANE)	ug/l	50 U	50 U	50 U	50 U	50 U
591-78-6	2-HEXANONE	ug/l	5 U	5 U	5 U	5 U	5 U
67-64-1	ACETONE	ug/l	5 U	5 U	5 U	5 U	5 U
71-43-2	BENZENE	ug/l	0.81 J	1 U	1 U	15	1 U
74-97-5	BROMOCHLOROMETHANE	ug/l	1 U	1 U	1 U	1 U	1 U
75-27-4	BROMODICHLOROMETHANE	ug/l	1 U	1 U	1 U	1 U	1 U
75-25-2	BROMOFORM	ug/l	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
74-83-9	BROMOMETHANE	ug/l	1 U	1 U	1 U	1 U	1 U
75-15-0	CARBON DISULFIDE	ug/l	1 U	1 U	1 U	1 U	1 U
56-23-5	CARBON TETRACHLORIDE	ug/l	1 U	1 U	1 U	1 U	1 U
108-90-7	CHLOROETHANE	ug/l	1 U	1 U	1 U	1 U	1 U
75-00-3	CHLOROETHANE	ug/l	1 U	1 U	1 U	1 U	1 U
67-66-3	CHLOROFORM	ug/l	1 U	1 U	1 U	1 U	1 U
74-87-3	CHLOROMETHANE	ug/l	1 U	1 U	1 U	1 U	1 U
156-59-2	CIS-1,2-DICHLOROETHYLENE	ug/l	1 U	1 U	1 U	0.43 J	1 U
10061-01-5	CIS-1,3-DICHLOROPROPENE	ug/l	1 U	1 U	1 U	1 U	1 U
110-82-7	CYCLOHEXANE	ug/l	1 U	1 U	1 U	2.3	1 U
124-48-1	DIBROMOCHLOROMETHANE	ug/l	1 U	1 U	1 U	1 U	1 U
75-71-8	DICHLORODIFLUOROMETHANE	ug/l	1 U	1 U	1 U	1 U	1 U
100-41-4	ETHYLBENZENE	ug/l	1 U	1 U	1.6	46	1 U
98-82-8	ISOPROPYLBENZENE (CUMENE)	ug/l	1 U	1 U	9.8	1.6	1 U
79-20-9	METHYL ACETATE	ug/l	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
78-93-3	METHYL ETHYL KETONE (2-BUTANONE)	ug/l	5 U	5 U	5 U	5 U	5 U
108-10-1	METHYL ISOBUTYL KETONE	ug/l	5 U	5 U	5 U	5 U	5 U
108-87-2	METHYLCYCLOHEXANE	ug/l	1 U	1 U	7.5	2.4	1 U
75-09-2	METHYLENE CHLORIDE	ug/l	1 U	1 U	1 U	1 U	1 U
100-42-5	STYRENE	ug/l	1 U	1 U	1 U	170	1 U
1634-04-4	TERT-BUTYL METHYL ETHER	ug/l	1 U	1 U	1 U	2.5	1 U
127-18-4	TETRACHLOROETHYLENE(PCE)	ug/l	1 U	1 U	1 U	0.26 J	1 U
108-88-3	TOLUENE	ug/l	1 U	1 U	1 U	500	1 U
156-60-5	TRANS-1,2-DICHLOROETHENE	ug/l	1 U	1 U	1 U	1 U	1 U
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ug/l	1 U	1 U	1 U	1 U	1 U
79-01-6	TRICHLOROETHYLENE (TCE)	ug/l	1 U	1 U	1 U	1 U	1 U
75-69-4	TRICHLOROFLUOROMETHANE	ug/l	1 U	1 U	1 U	1 U	1 U
75-01-4	VINYL CHLORIDE	ug/l	1 U	1 U	1 U	1 U	1 U
XYLENES	XYLENES, TOTAL	ug/l	2 U	2 U	1.8 J	200	2 U

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CAS NO.	COMPOUND	UNITS:					
	SEMIVOLATILES						
95-95-4	2,4,5-TRICHLOROPHENOL	ug/l	10 U	10 U	100 U	50 U	10 U
88-06-2	2,4,6-TRICHLOROPHENOL	ug/l	10 U	10 U	100 U	50 U	10 U
120-83-2	2,4-DICHLOROPHENOL	ug/l	10 U	10 U	100 U	50 U	10 U
105-67-9	2,4-DIMETHYLPHENOL	ug/l	10 U	10 U	100 U	50 U	10 U
51-28-5	2,4-DINITROPHENOL	ug/l	20 U	20 U	200 U	100 U	20 U
121-14-2	2,4-DINITROTOLUENE	ug/l	2 U	2 U	20 U	10 U	2 U
606-20-2	2,6-DINITROTOLUENE	ug/l	2 U	2 U	20 U	10 U	2 U
91-58-7	2-CHLORONAPHTHALENE	ug/l	10 U	10 U	100 U	50 U	10 U
95-57-8	2-CHLOROPHENOL	ug/l	10 U	10 U	100 U	50 U	10 U
91-57-6	2-METHYLNAPHTHALENE	ug/l	10 U	10 U	66 J	13 J	10 U
95-48-7	2-METHYLPHENOL (O-CRESOL)	ug/l	10 U	10 U	100 U	50 U	10 U
88-74-4	2-NITROANILINE	ug/l	10 U	10 U	100 U	50 U	10 U
88-75-5	2-NITROPHENOL	ug/l	10 U	10 U	100 U	50 U	10 U
91-94-1	3,3'-DICHLOROBENZIDINE	ug/l	10 U	10 U	100 U	50 U	10 U
99-09-2	3-NITROANILINE	ug/l	10 U	10 U	100 U	50 U	10 U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	ug/l	20 U	20 U	200 U	100 U	20 U
101-55-3	4-BROMOPHENYL PHENYL ETHER	ug/l	10 U	10 U	100 U	50 U	10 U
59-50-7	4-CHLORO-3-METHYLPHENOL	ug/l	10 U	10 U	100 U	50 U	10 U
106-47-8	4-CHLOROANILINE	ug/l	10 U	10 U	100 U	50 U	10 U
7005-72-3	4-CHLOROPHENYL PHENYL ETHER	ug/l	10 U	10 U	100 U	50 U	10 U
106-44-5	4-METHYLPHENOL (P-CRESOL)	ug/l	10 U	10 U	100 U	50 U	10 U
100-01-6	4-NITROANILINE	ug/l	10 U	10 U	100 U	50 U	10 U
100-02-7	4-NITROPHENOL	ug/l	20 U	20 U	200 U	100 U	20 U
83-32-9	ACENAPHTHENE	ug/l	10 U	10 U	20 J	50 U	10 U
208-96-8	ACENAPHTHYLENE	ug/l	10 U	10 U	100 U	13 J	10 U
98-86-2	ACETOPHENONE	ug/l	10 U	10 U	100 U	50 U	10 U
120-12-7	ANTHRACENE	ug/l	10 U	10 U	100 U	50 U	10 U
1912-24-9	ATRAZINE	ug/l	2 UJ	2 UJ	20 UJ	10 UJ	2 UJ
100-52-7	BENZALDEHYDE	ug/l	10 U	10 U	100 U	50 U	10 U
56-55-3	BENZO(A)ANTHRACENE	ug/l	1 U	1 U	10 U	5 U	1 U
50-32-8	BENZO(A)PYRENE	ug/l	1 U	1 U	10 U	5 U	1 U
205-99-2	BENZO(B)FLUORANTHENE	ug/l	2 U	2 U	20 U	10 U	2 U
191-24-2	BENZO(G,H,I)PERYLENE	ug/l	10 U	10 U	100 U	50 U	10 U
207-08-9	BENZO(K)FLUORANTHENE	ug/l	1 U	1 U	10 U	5 U	1 U
85-68-7	BENZYL BUTYL PHTHALATE	ug/l	10 U	10 U	100 U	50 U	10 U
92-52-4	BIPHENYL (DIPHENYL)	ug/l	10 U	10 U	100 U	50 U	10 U
111-91-1	BIS(2-CHLOROETHOXY) METHANE	ug/l	10 U	10 U	100 U	50 U	10 U
111-44-4	BIS(2-CHLOROETHYL) ETHER	ug/l	1 U	1 U	10 U	5 U	1 U
108-60-1	BIS(2-CHLOROISOPROPYL) ETHER	ug/l	10 U	10 U	100 U	50 U	10 U
117-81-7	BIS(2-ETHYLHEXYL) PHTHALATE	ug/l	2 U	2 U	20 U	10 U	2 U
105-60-2	CAPROLACTAM	ug/l	10 U	10 U	100 U	50 U	10 U
86-74-8	CARBAZOLE	ug/l	10 U	10 U	100 U	50 U	10 U
218-01-9	CHRYSENE	ug/l	2 U	2 U	20 U	10 U	2 U
53-70-3	DIBENZ(A,H)ANTHRACENE	ug/l	1 U	1 U	10 U	5 U	1 U
132-64-9	DIBENZOFURAN	ug/l	10 U	10 U	100 U	50 U	10 U
84-66-2	DIETHYL PHTHALATE	ug/l	10 U	10 U	100 U	50 U	10 U
131-11-3	DIMETHYL PHTHALATE	ug/l	10 U	10 U	100 U	50 U	10 U
84-74-2	DI-N-BUTYL PHTHALATE	ug/l	10 U	10 U	100 U	50 U	10 U
117-84-0	DI-N-OCTYLPHTHALATE	ug/l	10 U	10 U	100 U	50 U	10 U
206-44-0	FLUORANTHENE	ug/l	10 U	10 U	100 U	50 U	10 U
86-73-7	FLUORENE	ug/l	10 U	10 U	100 U	50 U	10 U
118-74-1	HEXACHLOROENZENE	ug/l	1 U	1 U	10 U	5 U	1 U
87-68-3	HEXACHLOROBUTADIENE	ug/l	1 U	1 U	10 U	5 U	1 U
77-47-4	HEXACHLOROCYCLOPENTADIENE	ug/l	10 U	10 U	100 U	50 U	10 U
67-72-1	HEXACHLOROETHANE	ug/l	2 U	2 U	20 U	10 U	2 U
193-39-5	INDENO(1,2,3-C,D)PYRENE	ug/l	2 U	2 U	20 UJ	10 UJ	2 U
78-59-1	ISOPHORONE	ug/l	10 U	10 U	100 U	50 U	10 U
91-20-3	NAPHTHALENE	ug/l	10 U	10 U	1300	430	10 U
98-95-3	NITROBENZENE	ug/l	1 U	1 U	10 U	5 U	1 U
621-64-7	N-NITROSODI-N-PROPYLAMINE	ug/l	1 U	1 U	10 U	5 U	1 U
86-30-6	N-NITROSODIPHENYLAMINE	ug/l	10 U	10 U	100 U	50 U	10 U
87-86-5	PENTACHLOROPHENOL	ug/l	20 U	20 U	200 U	100 U	20 U
85-01-8	PHENANTHRENE	ug/l	10 U	10 U	100 U	50 U	10 U
108-95-2	PHENOL	ug/l	10 U	10 U	100 U	50 U	10 U
129-00-0	PYRENE	ug/l	10 U	10 U	100 U	50 U	10 U

Con Ed - White Plains Validated Groundwater Analytical Data May 2019 SDGs: 460-182890-1		Location ID: Sample ID: Lab Sample ID: Source: SDG: Matrix: Sampled: Validated:	MW-11A MW-11A-20190521 460-182890-6 TALED 4601828901 WATER 5/21/2019 12:30 6/12/2019	MW-11B MW-11B-20190521 460-182890-7 TALED 4601828901 WATER 5/21/2019 13:10 6/12/2019	MW-11C MW-11C-20190523 460-182890-20 TALED 4601828901 WATER 5/23/2019 11:05 6/12/2019	MW-12A MW-12A-20190522 460-182890-11 TALED 4601828901 WATER 5/22/2019 8:35 6/12/2019	MW-12B MW-12B-20190522 460-182890-12 TALED 4601828901 WATER 5/22/2019 9:25 6/12/2019
CAS NO.	COMPOUND	UNITS:					
	VOLATILES						
71-55-6	1,1,1-TRICHLOROETHANE	ug/l	1 U	1 U	5 U	1 U	1 U
79-34-5	1,1,2,2-TETRACHLOROETHANE	ug/l	1 U	1 U	5 U	1 U	1 U
76-13-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	1 U	1 U	5 U	1 U	1 U
79-00-5	1,1,2-TRICHLOROETHANE	ug/l	1 U	1 U	5 U	1 U	1 U
75-34-3	1,1-DICHLOROETHANE	ug/l	1 U	1 U	5 U	1 U	1 U
75-35-4	1,1-DICHLOROETHENE	ug/l	1 U	1 U	5 U	1 U	1 U
87-61-6	1,2,3-TRICHLOROBENZENE	ug/l	1 U	1 U	5 U	1 U	1 U
120-82-1	1,2,4-TRICHLOROBENZENE	ug/l	1 U	1 U	5 U	1 U	1 U
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	ug/l	1 U	1 U	5 U	1 U	1 U
106-93-4	1,2-DIBROMOETHANE	ug/l	1 U	1 U	5 U	1 U	1 U
95-50-1	1,2-DICHLOROBENZENE	ug/l	1 U	1 U	5 U	1 U	1 U
107-06-2	1,2-DICHLOROETHANE	ug/l	1 U	1 U	5 U	1 U	1 U
78-87-5	1,2-DICHLOROPROPANE	ug/l	1 U	1 U	5 U	1 U	1 U
541-73-1	1,3-DICHLOROBENZENE	ug/l	1 U	1 U	5 U	1 U	1 U
106-46-7	1,4-DICHLOROBENZENE	ug/l	1 U	1 U	5 U	1 U	1 U
123-91-1	1,4-DIOXANE (P-DIOXANE)	ug/l	50 U	50 U	250 U	50 U	50 U
591-78-6	2-HEXANONE	ug/l	5 U	5 U	25 U	5 U	5 U
67-64-1	ACETONE	ug/l	5 U	5 U	25 U	5 U	5 U
71-43-2	BENZENE	ug/l	1 U	1 U	5 U	1 U	1 U
74-97-5	BROMOCHLOROMETHANE	ug/l	1 U	1 U	5 U	1 U	1 U
75-27-4	BROMODICHLOROMETHANE	ug/l	1 U	1 U	5 U	1 U	1 U
75-25-2	BROMOFORM	ug/l	1 UJ	1 UJ	5 U	1 UJ	1 UJ
74-83-9	BROMOMETHANE	ug/l	1 U	1 U	5 U	1 U	1 U
75-15-0	CARBON DISULFIDE	ug/l	1 U	1 U	5 U	1 U	1 U
56-23-5	CARBON TETRACHLORIDE	ug/l	1 U	1 U	5 U	1 U	1 U
108-90-7	CHLOROETHANE	ug/l	1 U	1 U	5 U	1 U	1 U
75-00-3	CHLOROETHANE	ug/l	1 U	1 U	5 U	1 U	1 U
67-66-3	CHLOROFORM	ug/l	1 U	1 U	5 U	0.45 J	1 U
74-87-3	CHLOROMETHANE	ug/l	1 U	1 U	5 U	1 U	1 U
156-59-2	CIS-1,2-DICHLOROETHYLENE	ug/l	1 U	1 U	5 U	1 U	1 U
10061-01-5	CIS-1,3-DICHLOROPROPENE	ug/l	1 U	1 U	5 U	1 U	1 U
110-82-7	CYCLOHEXANE	ug/l	1 U	1 U	39	1 U	1 U
124-48-1	DIBROMOCHLOROMETHANE	ug/l	1 U	1 U	5 U	1 U	1 U
75-71-8	DICHLORODIFLUOROMETHANE	ug/l	1 U	1 U	5 U	1 U	1 U
100-41-4	ETHYLBENZENE	ug/l	1 U	1 U	120	1 U	1 U
98-82-8	ISOPROPYLBENZENE (CUMENE)	ug/l	1 U	1 U	23	1 U	1 U
79-20-9	METHYL ACETATE	ug/l	5 UJ	5 UJ	25 U	5 UJ	5 UJ
78-93-3	METHYL ETHYL KETONE (2-BUTANONE)	ug/l	5 U	5 U	25 U	5 U	5 U
108-10-1	METHYL ISOBUTYL KETONE	ug/l	5 U	5 U	25 U	5 U	5 U
108-87-2	METHYLCYCLOHEXANE	ug/l	1 U	1 U	82	1 U	1 U
75-09-2	METHYLENE CHLORIDE	ug/l	1 U	1 U	5 U	1 U	1 U
100-42-5	STYRENE	ug/l	1 U	1 U	200	1 U	1 U
1634-04-4	TERT-BUTYL METHYL ETHER	ug/l	1 U	1 U	5 U	1 U	1 U
127-18-4	TETRACHLOROETHYLENE(PCE)	ug/l	0.26 J	1 U	7	0.26 J	1 U
108-88-3	TOLUENE	ug/l	1 U	1 U	14	1 U	1 U
156-60-5	TRANS-1,2-DICHLOROETHENE	ug/l	1 U	1 U	5 U	1 U	1 U
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ug/l	1 U	1 U	5 U	1 U	1 U
79-01-6	TRICHLOROETHYLENE (TCE)	ug/l	1 U	1 U	5.7	1 U	1 U
75-69-4	TRICHLOROFLUOROMETHANE	ug/l	1 U	1 U	5 U	1 U	1 U
75-01-4	VINYL CHLORIDE	ug/l	1 U	1 U	5 U	1 U	1 U
XYLENES	XYLENES, TOTAL	ug/l	2 U	2 U	1800	2 U	2 U

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CAS NO.	COMPOUND	UNITS:					
	SEMIVOLATILES						
95-95-4	2,4,5-TRICHLOROPHENOL	ug/l	10 U	10 U	1000 U	10 U	10 U
88-06-2	2,4,6-TRICHLOROPHENOL	ug/l	10 U	10 U	1000 U	10 U	10 U
120-83-2	2,4-DICHLOROPHENOL	ug/l	10 U	10 U	1000 U	10 U	10 U
105-67-9	2,4-DIMETHYLPHENOL	ug/l	10 U	10 U	1000 U	10 U	10 U
51-28-5	2,4-DINITROPHENOL	ug/l	20 U	20 U	2000 U	20 U	20 U
121-14-2	2,4-DINITROTOLUENE	ug/l	2 U	2 U	200 U	2 U	2 U
606-20-2	2,6-DINITROTOLUENE	ug/l	2 U	2 U	200 U	2 U	2 U
91-58-7	2-CHLORONAPHTHALENE	ug/l	10 U	10 U	1000 U	10 U	10 U
95-57-8	2-CHLOROPHENOL	ug/l	10 U	10 U	1000 U	10 U	10 U
91-57-6	2-METHYLNAPHTHALENE	ug/l	10 U	10 U	760 J	10 U	10 U
95-48-7	2-METHYLPHENOL (O-CRESOL)	ug/l	10 U	10 U	1000 U	10 U	10 U
88-74-4	2-NITROANILINE	ug/l	10 U	10 U	1000 U	10 U	10 U
88-75-5	2-NITROPHENOL	ug/l	10 U	10 U	1000 U	10 U	10 U
91-94-1	3,3'-DICHLOROBENZIDINE	ug/l	10 U	10 U	1000 U	10 U	10 U
99-09-2	3-NITROANILINE	ug/l	10 U	10 U	1000 U	10 U	10 U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	ug/l	20 U	20 U	2000 U	20 U	20 U
101-55-3	4-BROMOPHENYL PHENYL ETHER	ug/l	10 U	10 U	1000 U	10 U	10 U
59-50-7	4-CHLORO-3-METHYLPHENOL	ug/l	10 U	10 U	1000 U	10 U	10 U
106-47-8	4-CHLOROANILINE	ug/l	10 U	10 U	1000 U	10 U	10 U
7005-72-3	4-CHLOROPHENYL PHENYL ETHER	ug/l	10 U	10 U	1000 U	10 U	10 U
106-44-5	4-METHYLPHENOL (P-CRESOL)	ug/l	10 U	10 U	1000 U	10 U	10 U
100-01-6	4-NITROANILINE	ug/l	10 U	10 U	1000 U	10 U	10 U
100-02-7	4-NITROPHENOL	ug/l	20 U	20 U	2000 U	20 U	20 U
83-32-9	ACENAPHTHENE	ug/l	10 U	10 U	1000 U	10 U	10 U
208-96-8	ACENAPHTHYLENE	ug/l	10 U	10 U	89 J	10 U	10 U
98-86-2	ACETOPHENONE	ug/l	10 U	10 U	1000 U	10 U	10 U
120-12-7	ANTHRACENE	ug/l	10 U	10 U	1000 U	10 U	10 U
1912-24-9	ATRAZINE	ug/l	2 UJ	2 UJ	200 UJ	2 UJ	2 UJ
100-52-7	BENZALDEHYDE	ug/l	10 U	10 U	1000 U	10 U	10 U
56-55-3	BENZO(A)ANTHRACENE	ug/l	1 U	1 U	100 U	1 U	1 U
50-32-8	BENZO(A)PYRENE	ug/l	1 U	1 U	100 U	1 U	1 U
205-99-2	BENZO(B)FLUORANTHENE	ug/l	2 U	2 U	200 U	2 U	2 U
191-24-2	BENZO(G,H,I)PERYLENE	ug/l	10 U	10 U	1000 U	10 U	10 U
207-08-9	BENZO(K)FLUORANTHENE	ug/l	1 U	1 U	100 U	1 U	1 U
85-68-7	BENZYL BUTYL PHTHALATE	ug/l	10 U	10 U	1000 U	10 U	10 U
92-52-4	BIPHENYL (DIPHENYL)	ug/l	10 U	10 U	1000 U	10 U	10 U
111-91-1	BIS(2-CHLOROETHOXY) METHANE	ug/l	10 U	10 U	1000 U	10 U	10 U
111-44-4	BIS(2-CHLOROETHYL) ETHER	ug/l	1 U	1 U	100 U	1 U	1 U
108-60-1	BIS(2-CHLOROISOPROPYL) ETHER	ug/l	10 U	10 U	1000 U	10 U	10 U
117-81-7	BIS(2-ETHYLHEXYL) PHTHALATE	ug/l	2 U	2 U	200 U	2 U	2 U
105-60-2	CAPROLACTAM	ug/l	10 U	10 U	1000 U	10 U	10 U
86-74-8	CARBAZOLE	ug/l	10 U	10 U	1000 U	10 U	10 U
218-01-9	CHRYSENE	ug/l	2 U	2 U	200 U	2 U	2 U
53-70-3	DIBENZ(A,H)ANTHRACENE	ug/l	1 U	1 U	100 U	1 U	1 U
132-64-9	DIBENZOFURAN	ug/l	10 U	10 U	1000 U	10 U	10 U
84-66-2	DIETHYL PHTHALATE	ug/l	10 U	10 U	1000 U	10 U	10 U
131-11-3	DIMETHYL PHTHALATE	ug/l	10 U	10 U	1000 U	10 U	10 U
84-74-2	DI-N-BUTYL PHTHALATE	ug/l	10 U	10 U	1000 U	10 U	10 U
117-84-0	DI-N-OCTYLPHTHALATE	ug/l	10 U	10 U	1000 U	10 U	10 U
206-44-0	FLUORANTHENE	ug/l	10 U	10 U	1000 U	10 U	10 U
86-73-7	FLUORENE	ug/l	10 U	10 U	1000 U	10 U	10 U
118-74-1	HEXACHLOROENZENE	ug/l	1 U	1 U	100 U	1 U	1 U
87-68-3	HEXACHLOROBUTADIENE	ug/l	1 U	1 U	100 U	1 U	1 U
77-47-4	HEXACHLOROCYCLOPENTADIENE	ug/l	10 U	10 U	1000 U	10 U	10 U
67-72-1	HEXACHLOROETHANE	ug/l	2 U	2 U	200 U	2 U	2 U
193-39-5	INDENO(1,2,3-C,D)PYRENE	ug/l	2 U	2 U	200 U	2 U	2 U
78-59-1	ISOPHORONE	ug/l	10 U	10 U	1000 U	10 U	10 U
91-20-3	NAPHTHALENE	ug/l	10 U	10 U	13000	10 U	10 U
98-95-3	NITROBENZENE	ug/l	1 U	1 U	100 U	1 U	1 U
621-64-7	N-NITROSODI-N-PROPYLAMINE	ug/l	1 U	1 U	100 U	1 U	1 U
86-30-6	N-NITROSODIPHENYLAMINE	ug/l	10 U	10 U	1000 U	10 U	10 U
87-86-5	PENTACHLOROPHENOL	ug/l	20 U	20 U	2000 U	20 U	20 U
85-01-8	PHENANTHRENE	ug/l	10 U	10 U	1000 U	10 U	10 U
108-95-2	PHENOL	ug/l	10 U	10 U	1000 U	10 U	10 U
129-00-0	PYRENE	ug/l	10 U	10 U	1000 U	10 U	10 U

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CAS NO.	COMPOUND	UNITS:					
	VOLATILES						
71-55-6	1,1,1-TRICHLOROETHANE	ug/l	1 U	5 U	1 U	5 U	1 U
79-34-5	1,1,2,2-TETRACHLOROETHANE	ug/l	1 U	5 U	1 U	5 U	1 U
76-13-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	1 U	5 U	1 U	5 U	1 U
79-00-5	1,1,2-TRICHLOROETHANE	ug/l	1 U	5 U	1 U	5 U	1 U
75-34-3	1,1-DICHLOROETHANE	ug/l	1 U	5 U	1 U	5 U	1 U
75-35-4	1,1-DICHLOROETHENE	ug/l	1 U	5 U	1 U	5 U	1 U
87-61-6	1,2,3-TRICHLOROENZENE	ug/l	1 U	5 U	1 U	5 U	1 U
120-82-1	1,2,4-TRICHLOROENZENE	ug/l	1 U	5 U	1 U	5 U	1 U
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	ug/l	1 U	5 U	1 U	5 U	1 U
106-93-4	1,2-DIBROMOETHANE	ug/l	1 U	5 U	1 U	5 U	1 U
95-50-1	1,2-DICHLOROENZENE	ug/l	1 U	5 U	1 U	5 U	1 U
107-06-2	1,2-DICHLOROETHANE	ug/l	2.8	5 U	1.3	5 U	1 U
78-87-5	1,2-DICHLOROPROPANE	ug/l	1 U	5 U	1 U	5 U	1 U
541-73-1	1,3-DICHLOROENZENE	ug/l	1 U	5 U	1 U	5 U	1 U
106-46-7	1,4-DICHLOROENZENE	ug/l	1 U	5 U	1 U	5 U	1 U
123-91-1	1,4-DIOXANE (P-DIOXANE)	ug/l	50 U	250 U	50 U	250 U	50 U
591-78-6	2-HEXANONE	ug/l	5 U	25 U	5 U	25 U	5 U
67-64-1	ACETONE	ug/l	5 U	25 U	5 U	25 U	5 U
71-43-2	BENZENE	ug/l	1 U	5.6	8.4	130	1 U
74-97-5	BROMOCHLOROMETHANE	ug/l	1 U	5 U	1 U	5 U	1 U
75-27-4	BROMODICHLOROMETHANE	ug/l	1 U	5 U	1 U	5 U	1 U
75-25-2	BROMOFORM	ug/l	1 UJ	5 U	1 U	5 U	1 UJ
74-83-9	BROMOMETHANE	ug/l	1 U	5 U	1 U	5 U	1 U
75-15-0	CARBON DISULFIDE	ug/l	1 U	5 U	1 U	5 U	1 U
56-23-5	CARBON TETRACHLORIDE	ug/l	1 U	5 U	1 U	5 U	1 U
108-90-7	CHLOROENZENE	ug/l	1 U	5 U	1 U	5 U	1 U
75-00-3	CHLOROETHANE	ug/l	1 U	5 U	1 U	5 U	1 U
67-66-3	CHLOROFORM	ug/l	1 U	5 U	1 U	5 U	1.4
74-87-3	CHLOROMETHANE	ug/l	1 U	5 U	1 U	5 U	1 U
156-59-2	CIS-1,2-DICHLOROETHYLENE	ug/l	1 U	5 U	1 U	5 U	1 U
10061-01-5	CIS-1,3-DICHLOROPROPENE	ug/l	1 U	5 U	1 U	5 U	1 U
110-82-7	CYCLOHEXANE	ug/l	1 U	16	3.5	18	1 U
124-48-1	DIBROMOCHLOROMETHANE	ug/l	1 U	5 U	1 U	5 U	1 U
75-71-8	DICHLORODIFLUOROMETHANE	ug/l	1 U	5 U	1 U	5 U	1 U
100-41-4	ETHYLBENZENE	ug/l	1 U	240	48	230	1 U
98-82-8	ISOPROPYLBENZENE (CUMENE)	ug/l	1 U	5.3	4.9	13	1 U
79-20-9	METHYL ACETATE	ug/l	5 UJ	25 U	5 U	25 U	5 UJ
78-93-3	METHYL ETHYL KETONE (2-BUTANONE)	ug/l	5 U	25 U	5 U	25 U	5 U
108-10-1	METHYL ISOBUTYL KETONE	ug/l	5 U	25 U	5 U	25 U	5 U
108-87-2	METHYLCYCLOHEXANE	ug/l	1 U	29	4	32	1 U
75-09-2	METHYLENE CHLORIDE	ug/l	1 U	5 U	1 U	5 U	1 U
100-42-5	STYRENE	ug/l	1 U	650	1 U	230	1 U
1634-04-4	TERT-BUTYL METHYL ETHER	ug/l	170	3.3 J	12	5 U	1 U
127-18-4	TETRACHLOROETHYLENE(PCE)	ug/l	1 U	5 U	1 U	5 U	1 U
108-88-3	TOLUENE	ug/l	1 U	1900	30	1600	1 U
156-60-5	TRANS-1,2-DICHLOROETHENE	ug/l	1 U	5 U	1 U	5 U	1 U
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ug/l	1 U	5 U	1 U	5 U	1 U
79-01-6	TRICHLOROETHYLENE (TCE)	ug/l	1 U	5 U	1 U	3.9 J	1 U
75-69-4	TRICHLOROFLUOROMETHANE	ug/l	1 U	5 U	1 U	5 U	1 U
75-01-4	VINYL CHLORIDE	ug/l	1 U	5 U	1 U	5 U	1 U
XYLENES	XYLENES, TOTAL	ug/l	2 U	1400	120	1100	2 U

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CAS NO.	COMPOUND	UNITS:					
	SEMIVOLATILES						
95-95-4	2,4,5-TRICHLOROPHENOL	ug/l	10 U	500 U	50 U	500 U	10 U
88-06-2	2,4,6-TRICHLOROPHENOL	ug/l	10 U	500 U	50 U	500 U	10 U
120-83-2	2,4-DICHLOROPHENOL	ug/l	10 U	500 U	50 U	500 U	10 U
105-67-9	2,4-DIMETHYLPHENOL	ug/l	10 U	500 U	50 U	500 U	10 U
51-28-5	2,4-DINITROPHENOL	ug/l	20 U	1000 U	100 U	1000 U	20 U
121-14-2	2,4-DINITROTOLUENE	ug/l	2 U	100 U	10 U	100 U	2 U
606-20-2	2,6-DINITROTOLUENE	ug/l	2 U	100 U	10 U	100 U	2 U
91-58-7	2-CHLORONAPHTHALENE	ug/l	10 U	500 U	50 U	500 U	10 U
95-57-8	2-CHLOROPHENOL	ug/l	10 U	500 U	50 U	500 U	10 U
91-57-6	2-METHYLNAPHTHALENE	ug/l	10 U	380 J	50 U	290 J	10 U
95-48-7	2-METHYLPHENOL (O-CRESOL)	ug/l	10 U	500 U	50 U	500 U	10 U
88-74-4	2-NITROANILINE	ug/l	10 U	500 U	50 U	500 U	10 U
88-75-5	2-NITROPHENOL	ug/l	10 U	500 U	50 U	500 U	10 U
91-94-1	3,3'-DICHLOROBENZIDINE	ug/l	10 U	500 U	50 U	500 U	10 U
99-09-2	3-NITROANILINE	ug/l	10 U	500 U	50 U	500 U	10 U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	ug/l	20 U	1000 U	100 U	1000 U	20 U
101-55-3	4-BROMOPHENYL PHENYL ETHER	ug/l	10 U	500 U	50 U	500 U	10 U
59-50-7	4-CHLORO-3-METHYLPHENOL	ug/l	10 U	500 U	50 U	500 U	10 U
106-47-8	4-CHLOROANILINE	ug/l	10 U	500 U	50 U	500 U	10 U
7005-72-3	4-CHLOROPHENYL PHENYL ETHER	ug/l	10 U	500 U	50 U	500 U	10 U
106-44-5	4-METHYLPHENOL (P-CRESOL)	ug/l	10 U	500 U	50 U	500 U	10 U
100-01-6	4-NITROANILINE	ug/l	10 U	500 U	50 U	500 U	10 U
100-02-7	4-NITROPHENOL	ug/l	20 U	1000 U	100 U	1000 U	20 U
83-32-9	ACENAPHTHENE	ug/l	10 U	500 U	50 U	500 U	10 U
208-96-8	ACENAPHTHYLENE	ug/l	10 U	230 J	23 J	76 J	10 U
98-86-2	ACETOPHENONE	ug/l	10 U	500 U	50 U	500 U	10 U
120-12-7	ANTHRACENE	ug/l	10 U	500 U	50 U	500 U	10 U
1912-24-9	ATRAZINE	ug/l	2 UJ	100 UJ	10 UJ	100 UJ	2 UJ
100-52-7	BENZALDEHYDE	ug/l	10 U	500 U	50 U	500 U	10 U
56-55-3	BENZO(A)ANTHRACENE	ug/l	1 U	50 U	5 U	50 U	1 U
50-32-8	BENZO(A)PYRENE	ug/l	1 U	50 U	5 U	50 U	1 U
205-99-2	BENZO(B)FLUORANTHENE	ug/l	2 U	100 U	10 U	100 U	2 U
191-24-2	BENZO(G,H,I)PERYLENE	ug/l	10 U	500 U	50 U	500 U	10 U
207-08-9	BENZO(K)FLUORANTHENE	ug/l	1 U	50 U	5 U	50 U	1 U
85-68-7	BENZYL BUTYL PHTHALATE	ug/l	10 U	500 U	50 U	500 U	10 U
92-52-4	BIPHENYL (DIPHENYL)	ug/l	10 U	500 U	50 U	500 U	10 U
111-91-1	BIS(2-CHLOROETHOXY) METHANE	ug/l	10 U	500 U	50 U	500 U	10 U
111-44-4	BIS(2-CHLOROETHYL) ETHER	ug/l	1 U	50 U	5 U	50 U	1 U
108-60-1	BIS(2-CHLOROISOPROPYL) ETHER	ug/l	10 U	500 U	50 U	500 U	10 U
117-81-7	BIS(2-ETHYLHEXYL) PHTHALATE	ug/l	2 U	100 U	10 U	100 U	2 U
105-60-2	CAPROLACTAM	ug/l	10 U	500 U	50 U	500 U	10 U
86-74-8	CARBAZOLE	ug/l	10 U	500 U	50 U	500 U	10 U
218-01-9	CHRYSENE	ug/l	2 U	100 U	10 U	100 U	2 U
53-70-3	DIBENZ(A,H)ANTHRACENE	ug/l	1 U	50 U	5 U	50 U	1 U
132-64-9	DIBENZOFURAN	ug/l	10 U	500 U	50 U	500 U	10 U
84-66-2	DIETHYL PHTHALATE	ug/l	10 U	500 U	50 U	500 U	10 U
131-11-3	DIMETHYL PHTHALATE	ug/l	10 U	500 U	50 U	500 U	10 U
84-74-2	DI-N-BUTYL PHTHALATE	ug/l	10 U	500 U	50 U	500 U	10 U
117-84-0	DI-N-OCTYLPHTHALATE	ug/l	10 U	500 U	50 U	500 U	10 U
206-44-0	FLUORANTHENE	ug/l	10 U	500 U	50 U	500 U	10 U
86-73-7	FLUORENE	ug/l	10 U	500 U	50 U	500 U	10 U
118-74-1	HEXACHLOROENZENE	ug/l	1 U	50 U	5 U	50 U	1 U
87-68-3	HEXACHLOROBUTADIENE	ug/l	1 U	50 U	5 U	50 U	1 U
77-47-4	HEXACHLOROCYCLOPENTADIENE	ug/l	10 U	500 U	50 U	500 U	10 U
67-72-1	HEXACHLOROETHANE	ug/l	2 U	100 U	10 U	100 U	2 U
193-39-5	INDENO(1,2,3-C,D)PYRENE	ug/l	2 U	100 UJ	10 UJ	100 UJ	2 U
78-59-1	ISOPHORONE	ug/l	10 U	500 U	50 U	500 U	10 U
91-20-3	NAPHTHALENE	ug/l	10 U	5600	400	6600	10 U
98-95-3	NITROBENZENE	ug/l	1 U	50 U	5 U	50 U	1 U
621-64-7	N-NITROSODI-N-PROPYLAMINE	ug/l	1 U	50 U	5 U	50 U	1 U
86-30-6	N-NITROSODIPHENYLAMINE	ug/l	10 U	500 U	50 U	500 U	10 U
87-86-5	PENTACHLOROPHENOL	ug/l	20 U	1000 U	100 U	1000 U	20 U
85-01-8	PHENANTHRENE	ug/l	10 U	41 J	50 U	500 U	10 U
108-95-2	PHENOL	ug/l	10 U	500 U	50 U	500 U	10 U
129-00-0	PYRENE	ug/l	10 U	500 U	50 U	500 U	10 U

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CAS NO.	COMPOUND	UNITS:					
	VOLATILES						
71-55-6	1,1,1-TRICHLOROETHANE	ug/l	1 U	1 U	1 U	1 U	1 U
79-34-5	1,1,2,2-TETRACHLOROETHANE	ug/l	1 U	1 U	1 U	1 U	1 U
76-13-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	1 U	1 U	1 U	1 U	1 U
79-00-5	1,1,2-TRICHLOROETHANE	ug/l	1 U	1 U	1 U	1 U	1 U
75-34-3	1,1-DICHLOROETHANE	ug/l	1 U	1 U	1 U	1 U	1 U
75-35-4	1,1-DICHLOROETHENE	ug/l	1 U	1 U	1 U	1 U	1 U
87-61-6	1,2,3-TRICHLOROBENZENE	ug/l	1 U	1 U	1 U	1 U	1 U
120-82-1	1,2,4-TRICHLOROBENZENE	ug/l	1 U	1 U	1 U	1 U	1 U
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	ug/l	1 U	1 U	1 U	1 U	1 U
106-93-4	1,2-DIBROMOETHANE	ug/l	1 U	1 U	1 U	1 U	1 U
95-50-1	1,2-DICHLOROBENZENE	ug/l	1 U	1 U	1 U	1 U	1 U
107-06-2	1,2-DICHLOROETHANE	ug/l	1	1 U	1 U	1 U	1 U
78-87-5	1,2-DICHLOROPROPANE	ug/l	1 U	1 U	1 U	1 U	1 U
541-73-1	1,3-DICHLOROBENZENE	ug/l	1 U	1 U	1 U	1 U	1 U
106-46-7	1,4-DICHLOROBENZENE	ug/l	1 U	1 U	1 U	1 U	1 U
123-91-1	1,4-DIOXANE (P-DIOXANE)	ug/l	50 U	50 U	50 U	50 U	50 U
591-78-6	2-HEXANONE	ug/l	5 U	5 U	5 U	5 U	5 U
67-64-1	ACETONE	ug/l	5 U	5 U	5 U	5 U	5 U
71-43-2	BENZENE	ug/l	17	1 U	1 U	1 U	45
74-97-5	BROMOCHLOROMETHANE	ug/l	1 U	1 U	1 U	1 U	1 U
75-27-4	BROMODICHLOROMETHANE	ug/l	1 U	1 U	1 U	1 U	1 U
75-25-2	BROMOFORM	ug/l	1 U	1 UJ	1 U	1 UJ	1 UJ
74-83-9	BROMOMETHANE	ug/l	1 U	1 U	1 U	1 U	1 U
75-15-0	CARBON DISULFIDE	ug/l	1 U	1 U	1 U	1 U	1 U
56-23-5	CARBON TETRACHLORIDE	ug/l	1 U	1 U	1 U	1 U	1 U
108-90-7	CHLOROETHANE	ug/l	1 U	1 U	1 U	1 U	1 U
75-00-3	CHLOROETHANE	ug/l	1 U	1 U	1 U	1 U	1 U
67-66-3	CHLOROFORM	ug/l	1 U	0.38 J	1 U	1 U	1 U
74-87-3	CHLOROMETHANE	ug/l	1 U	1 U	1 U	1 U	1 U
156-59-2	CIS-1,2-DICHLOROETHYLENE	ug/l	0.66 J	1 U	1 U	1 U	1 U
10061-01-5	CIS-1,3-DICHLOROPROPENE	ug/l	1 U	1 U	1 U	1 U	1 U
110-82-7	CYCLOHEXANE	ug/l	1.5	1 U	1 U	1 U	9.1
124-48-1	DIBROMOCHLOROMETHANE	ug/l	1 U	1 U	1 U	1 U	1 U
75-71-8	DICHLORODIFLUOROMETHANE	ug/l	1 U	1 U	1 U	1 U	1 U
100-41-4	ETHYLBENZENE	ug/l	1.6	1 U	1 U	1 U	25
98-82-8	ISOPROPYLBENZENE (CUMENE)	ug/l	3.1	1 U	1 U	1 U	13
79-20-9	METHYL ACETATE	ug/l	5 U	5 UJ	5 U	5 UJ	5 UJ
78-93-3	METHYL ETHYL KETONE (2-BUTANONE)	ug/l	5 U	5 U	5 U	5 U	5 U
108-10-1	METHYL ISOBUTYL KETONE	ug/l	5 U	5 U	5 U	5 U	5 U
108-87-2	METHYLCYCLOHEXANE	ug/l	1.3	1 U	1 U	1 U	8.6
75-09-2	METHYLENE CHLORIDE	ug/l	1 U	1 U	1 U	1 U	1 U
100-42-5	STYRENE	ug/l	1 U	1 U	1 U	1 U	1 U
1634-04-4	TERT-BUTYL METHYL ETHER	ug/l	2.7	1 U	1 U	1 U	1 U
127-18-4	TETRACHLOROETHYLENE(PCE)	ug/l	1.3	1 U	1 U	0.37 J	1 U
108-88-3	TOLUENE	ug/l	1.3	1 U	1 U	1 U	1.2
156-60-5	TRANS-1,2-DICHLOROETHENE	ug/l	1 U	1 U	1 U	1 U	1 U
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ug/l	1 U	1 U	1 U	1 U	1 U
79-01-6	TRICHLOROETHYLENE (TCE)	ug/l	1.6	1 U	1 U	1 U	1 U
75-69-4	TRICHLOROFLUOROMETHANE	ug/l	1 U	1 U	1 U	1 U	1 U
75-01-4	VINYL CHLORIDE	ug/l	1 U	1 U	1 U	1 U	1 U
XYLENES	XYLENES, TOTAL	ug/l	9.6	2 U	2 U	2 U	13

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CAS NO.	COMPOUND	UNITS:					
	SEMIVOLATILES						
95-95-4	2,4,5-TRICHLOROPHENOL	ug/l	20 U	10 U	10 U	10 U	10 U
88-06-2	2,4,6-TRICHLOROPHENOL	ug/l	20 U	10 U	10 U	10 U	10 U
120-83-2	2,4-DICHLOROPHENOL	ug/l	20 U	10 U	10 U	10 U	10 U
105-67-9	2,4-DIMETHYLPHENOL	ug/l	20 U	10 U	10 U	10 U	10 U
51-28-5	2,4-DINITROPHENOL	ug/l	40 U	20 U	20 U	20 U	20 U
121-14-2	2,4-DINITROTOLUENE	ug/l	4 U	2 U	2 U	2 U	2 U
606-20-2	2,6-DINITROTOLUENE	ug/l	4 U	2 U	2 U	2 U	2 U
91-58-7	2-CHLORONAPHTHALENE	ug/l	20 U	10 U	10 U	10 U	10 U
95-57-8	2-CHLOROPHENOL	ug/l	20 U	10 U	10 U	10 U	10 U
91-57-6	2-METHYLNAPHTHALENE	ug/l	17 J	10 U	10 U	10 U	31
95-48-7	2-METHYLPHENOL (O-CRESOL)	ug/l	20 U	10 U	10 U	10 U	10 U
88-74-4	2-NITROANILINE	ug/l	20 U	10 U	10 U	10 U	10 U
88-75-5	2-NITROPHENOL	ug/l	20 U	10 U	10 U	10 U	10 U
91-94-1	3,3'-DICHLOROBENZIDINE	ug/l	20 U	10 U	10 UJ	10 U	10 U
99-09-2	3-NITROANILINE	ug/l	20 U	10 U	10 U	10 U	10 U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	ug/l	40 U	20 U	20 U	20 U	20 U
101-55-3	4-BROMOPHENYL PHENYL ETHER	ug/l	20 U	10 U	10 U	10 U	10 U
59-50-7	4-CHLORO-3-METHYLPHENOL	ug/l	20 U	10 U	10 U	10 U	10 U
106-47-8	4-CHLOROANILINE	ug/l	20 U	10 U	10 U	10 U	10 U
7005-72-3	4-CHLOROPHENYL PHENYL ETHER	ug/l	20 U	10 U	10 U	10 U	10 U
106-44-5	4-METHYLPHENOL (P-CRESOL)	ug/l	20 U	10 U	10 U	10 U	10 U
100-01-6	4-NITROANILINE	ug/l	20 U	10 U	10 U	10 U	10 U
100-02-7	4-NITROPHENOL	ug/l	40 U	20 U	20 U	20 U	20 U
83-32-9	ACENAPHTHENE	ug/l	2.2 J	10 U	10 U	10 U	33
208-96-8	ACENAPHTHYLENE	ug/l	7.1 J	10 U	10 U	10 U	10 U
98-86-2	ACETOPHENONE	ug/l	20 U	10 U	10 U	10 U	10 U
120-12-7	ANTHRACENE	ug/l	20 U	10 U	10 U	10 U	10 U
1912-24-9	ATRAZINE	ug/l	4 UJ	2 UJ	2 UJ	2 UJ	2 UJ
100-52-7	BENZALDEHYDE	ug/l	20 U	10 U	10 U	10 U	10 U
56-55-3	BENZO(A)ANTHRACENE	ug/l	2 U	1 U	1 U	1 U	1 U
50-32-8	BENZO(A)PYRENE	ug/l	2 U	1 U	1 U	1 U	1 U
205-99-2	BENZO(B)FLUORANTHENE	ug/l	4 U	2 U	2 U	2 U	2 U
191-24-2	BENZO(G,H,I)PERYLENE	ug/l	20 U	10 U	10 U	10 U	10 U
207-08-9	BENZO(K)FLUORANTHENE	ug/l	2 U	1 U	1 U	1 U	1 U
85-68-7	BENZYL BUTYL PHTHALATE	ug/l	20 U	10 U	10 U	10 U	10 U
92-52-4	BIPHENYL (DIPHENYL)	ug/l	20 U	10 U	10 U	10 U	10 U
111-91-1	BIS(2-CHLOROETHOXY) METHANE	ug/l	20 U	10 U	10 U	10 U	10 U
111-44-4	BIS(2-CHLOROETHYL) ETHER	ug/l	2 U	1 U	1 U	1 U	1 U
108-60-1	BIS(2-CHLOROISOPROPYL) ETHER	ug/l	20 U	10 U	10 U	10 U	10 U
117-81-7	BIS(2-ETHYLHEXYL) PHTHALATE	ug/l	4 U	2 U	2 U	2 U	2 U
105-60-2	CAPROLACTAM	ug/l	20 U	10 U	10 U	10 U	10 U
86-74-8	CARBAZOLE	ug/l	20 U	10 U	10 U	10 U	4.2 J
218-01-9	CHRYSENE	ug/l	4 U	2 U	2 U	2 U	2 U
53-70-3	DIBENZ(A,H)ANTHRACENE	ug/l	2 U	1 U	1 U	1 U	1 U
132-64-9	DIBENZOFURAN	ug/l	20 U	10 U	10 U	10 U	10 U
84-66-2	DIETHYL PHTHALATE	ug/l	15 J	10 U	10 U	10 U	10 U
131-11-3	DIMETHYL PHTHALATE	ug/l	20 U	10 U	10 U	10 U	10 U
84-74-2	DI-N-BUTYL PHTHALATE	ug/l	20 U	10 U	10 U	10 U	10 U
117-84-0	DI-N-OCTYLPHTHALATE	ug/l	20 U	10 U	10 U	10 U	10 U
206-44-0	FLUORANTHENE	ug/l	20 U	10 U	10 U	10 U	10 U
86-73-7	FLUORENE	ug/l	20 U	10 U	10 U	10 U	2.3 J
118-74-1	HEXACHLOROENZENE	ug/l	2 U	1 U	1 U	1 U	1 U
87-68-3	HEXACHLOROBUTADIENE	ug/l	2 U	1 U	1 U	1 U	1 U
77-47-4	HEXACHLOROCYCLOPENTADIENE	ug/l	20 U	10 U	10 U	10 U	10 U
67-72-1	HEXACHLOROETHANE	ug/l	4 U	2 U	2 U	2 U	2 U
193-39-5	INDENO(1,2,3-C,D)PYRENE	ug/l	4 UJ	2 U	2 U	2 U	2 U
78-59-1	ISOPHORONE	ug/l	20 U	10 U	10 U	10 U	10 U
91-20-3	NAPHTHALENE	ug/l	260	10 U	10 U	10 U	170
98-95-3	NITROBENZENE	ug/l	2 U	1 U	1 U	1 U	1 U
621-64-7	N-NITROSODI-N-PROPYLAMINE	ug/l	2 U	1 U	1 U	1 U	1 U
86-30-6	N-NITROSODIPHENYLAMINE	ug/l	20 U	10 U	10 U	10 U	10 U
87-86-5	PENTACHLOROPHENOL	ug/l	40 U	20 U	20 U	20 U	20 U
85-01-8	PHENANTHRENE	ug/l	20 U	10 U	10 U	10 U	10 U
108-95-2	PHENOL	ug/l	20 U	10 U	10 U	10 U	10 U
129-00-0	PYRENE	ug/l	20 U	10 U	10 U	10 U	10 U

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CAS NO.	COMPOUND	UNITS:		
	VOLATILES			
71-55-6	1,1,1-TRICHLOROETHANE	ug/l	1 U	1 U
79-34-5	1,1,2,2-TETRACHLOROETHANE	ug/l	1 U	1 U
76-13-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	1 U	1 U
79-00-5	1,1,2-TRICHLOROETHANE	ug/l	1 U	1 U
75-34-3	1,1-DICHLOROETHANE	ug/l	1 U	1 U
75-35-4	1,1-DICHLOROETHENE	ug/l	1 U	1 U
87-61-6	1,2,3-TRICHLOROBENZENE	ug/l	1 U	1 U
120-82-1	1,2,4-TRICHLOROBENZENE	ug/l	1 U	1 U
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	ug/l	1 U	1 U
106-93-4	1,2-DIBROMOETHANE	ug/l	1 U	1 U
95-50-1	1,2-DICHLOROBENZENE	ug/l	1 U	1 U
107-06-2	1,2-DICHLOROETHANE	ug/l	1 U	1 U
78-87-5	1,2-DICHLOROPROPANE	ug/l	1 U	1 U
541-73-1	1,3-DICHLOROBENZENE	ug/l	1 U	1 U
106-46-7	1,4-DICHLOROBENZENE	ug/l	1 U	1 U
123-91-1	1,4-DIOXANE (P-DIOXANE)	ug/l	50 U	50 U
591-78-6	2-HEXANONE	ug/l	5 U	5 U
67-64-1	ACETONE	ug/l	5 U	5 U
71-43-2	BENZENE	ug/l	1 U	1 U
74-97-5	BROMOCHLOROMETHANE	ug/l	1 U	1 U
75-27-4	BROMODICHLOROMETHANE	ug/l	1 U	1 U
75-25-2	BROMOFORM	ug/l	1 UJ	1 UJ
74-83-9	BROMOMETHANE	ug/l	1 U	1 U
75-15-0	CARBON DISULFIDE	ug/l	1 U	1 U
56-23-5	CARBON TETRACHLORIDE	ug/l	1 U	1 U
108-90-7	CHLOROBENZENE	ug/l	1 U	1 U
75-00-3	CHLOROETHANE	ug/l	1 U	1 U
67-66-3	CHLOROFORM	ug/l	1 U	1 U
74-87-3	CHLOROMETHANE	ug/l	1 U	1 U
156-59-2	CIS-1,2-DICHLOROETHYLENE	ug/l	1 U	1 U
10061-01-5	CIS-1,3-DICHLOROPROPENE	ug/l	1 U	1 U
110-82-7	CYCLOHEXANE	ug/l	1 U	1 U
124-48-1	DIBROMOCHLOROMETHANE	ug/l	1 U	1 U
75-71-8	DICHLORODIFLUOROMETHANE	ug/l	1 U	1 U
100-41-4	ETHYLBENZENE	ug/l	1 U	1 U
98-82-8	ISOPROPYLBENZENE (CUMENE)	ug/l	1 U	1 U
79-20-9	METHYL ACETATE	ug/l	5 UJ	5 UJ
78-93-3	METHYL ETHYL KETONE (2-BUTANONE)	ug/l	5 U	5 U
108-10-1	METHYL ISOBUTYL KETONE	ug/l	5 U	5 U
108-87-2	METHYLCYCLOHEXANE	ug/l	1 U	1 U
75-09-2	METHYLENE CHLORIDE	ug/l	0.52 J	1 U
100-42-5	STYRENE	ug/l	1 U	1 U
1634-04-4	TERT-BUTYL METHYL ETHER	ug/l	1 U	1 U
127-18-4	TETRACHLOROETHYLENE(PCE)	ug/l	1 U	1 U
108-88-3	TOLUENE	ug/l	1 U	1 U
156-60-5	TRANS-1,2-DICHLOROETHENE	ug/l	1 U	1 U
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ug/l	1 U	1 U
79-01-6	TRICHLOROETHYLENE (TCE)	ug/l	1 U	1 U
75-69-4	TRICHLOROFLUOROMETHANE	ug/l	1 U	1 U
75-01-4	VINYL CHLORIDE	ug/l	1 U	1 U
XYLENES	XYLENES, TOTAL	ug/l	2 U	2 U

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CAS NO.	COMPOUND	UNITS:		
	SEMIVOLATILES			
95-95-4	2,4,5-TRICHLOROPHENOL	ug/l	10 U	
88-06-2	2,4,6-TRICHLOROPHENOL	ug/l	10 U	
120-83-2	2,4-DICHLOROPHENOL	ug/l	10 U	
105-67-9	2,4-DIMETHYLPHENOL	ug/l	10 U	
51-28-5	2,4-DINITROPHENOL	ug/l	20 U	
121-14-2	2,4-DINITROTOLUENE	ug/l	2 U	
606-20-2	2,6-DINITROTOLUENE	ug/l	2 U	
91-58-7	2-CHLORONAPHTHALENE	ug/l	10 U	
95-57-8	2-CHLOROPHENOL	ug/l	10 U	
91-57-6	2-METHYLNAPHTHALENE	ug/l	10 U	
95-48-7	2-METHYLPHENOL (O-CRESOL)	ug/l	10 U	
88-74-4	2-NITROANILINE	ug/l	10 U	
88-75-5	2-NITROPHENOL	ug/l	10 U	
91-94-1	3,3'-DICHLOROBENZIDINE	ug/l	10 U	
99-09-2	3-NITROANILINE	ug/l	10 U	
534-52-1	4,6-DINITRO-2-METHYLPHENOL	ug/l	20 U	
101-55-3	4-BROMOPHENYL PHENYL ETHER	ug/l	10 U	
59-50-7	4-CHLORO-3-METHYLPHENOL	ug/l	10 U	
106-47-8	4-CHLOROANILINE	ug/l	10 U	
7005-72-3	4-CHLOROPHENYL PHENYL ETHER	ug/l	10 U	
106-44-5	4-METHYLPHENOL (P-CRESOL)	ug/l	10 U	
100-01-6	4-NITROANILINE	ug/l	10 U	
100-02-7	4-NITROPHENOL	ug/l	20 U	
83-32-9	ACENAPHTHENE	ug/l	10 U	
208-96-8	ACENAPHTHYLENE	ug/l	10 U	
98-86-2	ACETOPHENONE	ug/l	10 U	
120-12-7	ANTHRACENE	ug/l	10 U	
1912-24-9	ATRAZINE	ug/l	2 UJ	
100-52-7	BENZALDEHYDE	ug/l	10 U	
56-55-3	BENZO(A)ANTHRACENE	ug/l	1 U	
50-32-8	BENZO(A)PYRENE	ug/l	1 U	
205-99-2	BENZO(B)FLUORANTHENE	ug/l	2 U	
191-24-2	BENZO(G,H,I)PERYLENE	ug/l	10 U	
207-08-9	BENZO(K)FLUORANTHENE	ug/l	1 U	
85-68-7	BENZYL BUTYL PHTHALATE	ug/l	10 U	
92-52-4	BIPHENYL (DIPHENYL)	ug/l	10 U	
111-91-1	BIS(2-CHLOROETHOXY) METHANE	ug/l	10 U	
111-44-4	BIS(2-CHLOROETHYL) ETHER	ug/l	1 U	
108-60-1	BIS(2-CHLOROISOPROPYL) ETHER	ug/l	10 U	
117-81-7	BIS(2-ETHYLHEXYL) PHTHALATE	ug/l	2 U	
105-60-2	CAPROLACTAM	ug/l	10 U	
86-74-8	CARBAZOLE	ug/l	10 U	
218-01-9	CHRYSENE	ug/l	2 U	
53-70-3	DIBENZ(A,H)ANTHRACENE	ug/l	1 U	
132-64-9	DIBENZOFURAN	ug/l	10 U	
84-66-2	DIETHYL PHTHALATE	ug/l	10 U	
131-11-3	DIMETHYL PHTHALATE	ug/l	10 U	
84-74-2	DI-N-BUTYL PHTHALATE	ug/l	10 U	
117-84-0	DI-N-OCTYLPHTHALATE	ug/l	10 U	
206-44-0	FLUORANTHENE	ug/l	10 U	
86-73-7	FLUORENE	ug/l	10 U	
118-74-1	HEXACHLOROBENZENE	ug/l	1 U	
87-68-3	HEXACHLOROBUTADIENE	ug/l	1 U	
77-47-4	HEXACHLOROCYCLOPENTADIENE	ug/l	10 U	
67-72-1	HEXACHLOROETHANE	ug/l	2 U	
193-39-5	INDENO(1,2,3-C,D)PYRENE	ug/l	2 U	
78-59-1	ISOPHORONE	ug/l	10 U	
91-20-3	NAPHTHALENE	ug/l	10 U	
98-95-3	NITROBENZENE	ug/l	1 U	
621-64-7	N-NITROSODI-N-PROPYLAMINE	ug/l	1 U	
86-30-6	N-NITROSODIPHENYLAMINE	ug/l	10 U	
87-86-5	PENTACHLOROPHENOL	ug/l	20 U	
85-01-8	PHENANTHRENE	ug/l	10 U	
108-95-2	PHENOL	ug/l	10 U	
129-00-0	PYRENE	ug/l	10 U	