Consolidated Edison Company
of New York
31-01 20th Avenue
Long Island City, NY 11105-2048
www.conEd.com

July 29, 2015

VIA ELECTRONIC MAIL

Mr. Randy Whitcher
New York Department of Environmental Conservation
Remedial Bureau C
Division of Environmental Remediation
625 Broadway
Albany, New York 12233-7014

Subject: **Supplemental RI Data Summary Report**
Former Ludlow Street Works
Yonkers, New York
NYSDEC Site # V00562

Dear Mr. Whitcher:

Enclosed for your review please find the Supplemental Remedial Investigation Data Summary Report. If you have any questions or require further information to complete your review, please do not hesitate to contact me by phone at (718) 204-4288 or email at rienzor@coned.com.

Very truly yours,

Richard Rienzo

Project Manager
EH&S Remediation

cc: A. Perretta (NYSDOH)

DATA SUMMARY REPORT SUPPLEMENTAL REMEDIAL INVESTIGATION FORMER LUDLOW STREET WORKS SITE

Site Number V00562

Prepared For:

Consolidated Edison Company of New York, Inc.

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

Prepared By:

PARSONS
Somerset, NJ 08873

July 2015

1.0 Introduction

Consolidated Edison Company of New York, Inc. (ConEdison) completed supplemental remedial investigation (SRI) activities between April through June 2015 to further delineate and investigate the potential presence of manufactured gas plant (MGP) residual on the properties adjacent to the Former Ludlow Street Works Site (Site) in Yonkers, New York. Delineation activities were performed as proposed in ConEdison's August 14, 2014 response to the New York State Department of Environmental Conservation's (NYSDEC) comments on ConEdison's April 2014 remedial investigation report to delineate the nature and extent of impacts and groundwater conditions within northern portion of the Site. Activities were performed consistent with processes outlined in the NYSDEC Technical Guidance for Site Investigation and Remediation (NYSDEC DER-10, 2010).

The grounds of the former Ludlow Street MGP Works Site (Site) occupy present-day tax Block 171 Lot 17, which is owned by the City of Yonkers. This approximately 1.35-acre parcel is a roughly rectangular plot with the long axis trending north-south and is bound on the north by Downing Street, on the south by the western-end of Knowles Street and along the west side by a Metro North Railroad right-of-way (ROW) (Figure 1). Two separate tax lots that are owned by others form the eastern Site boundary. These parcels include a vacant lot (Block 171 Lot 11) along the northern half of the eastern boundary. This parcel is owned by the City of Yonkers, but there are no apparent municipal operations there. The parcel along the southern half of the eastern boundary is used as a commercial metal fabrication shop. The layout of former on-site structures and current layout of the Site and immediate adjacent off-site properties at the Site is depicted on **Figure 2**. A site map depicting soil boring, piezometers, and monitoring well locations is provided as **Figure 3**.

This Data Summary Report (DSR) was prepared to present the chemical and geological data generated during the SRI conducted in April through June 2015. This report includes:

- **Section 2.0 – Subsurface Investigation Summary:** A summary of the May and June 2015 subsurface work completed as part of the SRI.
- **Section 3.0 – Chemical Data:** A summary of the validated soil and groundwater chemical data generated during the investigation.
- **Section 4.0 – Review of Data:** A review of the data presented in the previous sections.
- **Tables**
- **Figures** – Site Maps and Figures
- **Attachment A** – Soil Boring and Monitoring Well Construction Logs
- **Attachment B** – Groundwater Sampling Records

2.0 Subsurface Investigation Summary

In April 2015, two (2) soil borings (SB-18 and SB-19) and two (2) piezometers (PZ-1 and PZ-2) were advanced and installed during the SRI activities to delineate the nature and extent of impacts and groundwater conditions within northern portion of the Site. Soil borings were completed to depths of 50 and 55 ft below ground surface (bgs). Piezometers were advanced and constructed at depths of 55 and 60 ft bgs. The depth of the borings and piezometers was determined based on the observed impacts (i.e., PID readings or NAPL observations) within the MW-17 boring installed during the Remedial Investigation (RI) (RIR, Parsons 2014). A site map depicting soil boring, piezometers, and monitoring well locations is provided as **Figure 3**.

In May 2015, two (2) monitoring wells (MW-10 and MW-11) were advanced and installed during the SRI activities to delineate the nature and extent of impacts and groundwater conditions within the adjacent MTA property immediately west of the Site. Monitoring wells MW-10 and MW-11 were constructed at depths which emulate monitoring well MW-9 which was constructed during the RI.

The results of the subsurface investigation activities performed during the April through June 2015 SRI indicate that historic MGP-related impacts do not appear to extend as far north as PZ-2 in the northern portion of the Yonkers DPW yard (north of SB-17). Additionally, results of the subsurface investigation indicate that MGP related impacts do not extend as far west as MW-10 and MW-11 in the western portion of the adjacent MTA property.

Drilling and Sampling Summary

Soil borings, piezometers, and monitoring wells were advanced utilizing sonic drilling methods. Borings not converted to monitoring wells were grouted with Portland cement and bentonite grout to the ground surface.

Soil samples were collected continuously to the bottom of the boring using 4-inch inner diameter sample barrels. The soil was classified and logged by a field geologist using the Unified Soil Classification System (USCS) and Modified Burmister System. In addition, any physical evidence of impacted material (e.g., oil-like or tar-like non-aqueous phase liquid [NAPL], staining, sheens, odors) and screening for vapors using a photoionization detector (PID) was also recorded on the log.

Soil samples were collected as follows:

- One sample was collected from the zone with the highest PID readings or visual impacts. If visual impacts or elevated PID readings were not observed, a sample was collected from the upper portion of the boring or directly above the water table (if present).

- One sample was collected below the impacted zone (if present) to identify the vertical extent of any impacts at the location.

Field evidence of impacts were not observed at any of the soil, piezometers, or monitoring well borings with the exception of odors and slight PID readings at soil boring SB-19. Hydrocarbon odors and a peak PID reading of 175 ppm were observed from approximately 40-52 ft bgs. Boring logs and well completion records are provided in **Attachment A**.

On June 5, 2015, groundwater samples were collected from two (2) monitoring wells (MW-10 and MW-11). 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 Sampling Records are provided in **Attachment B**. Prior to collecting samples, the depths to groundwater, top of coal tar NAPL (if any) and bottom of well were measured relative to the top of well casing using an electronic oil/water interface probe accurate to 0.01 foot. Table 4 provides a summary of groundwater level measurements and elevations taken on November 19, 2012, January 3 and April 5, 2013, and June 5, 2015. A groundwater contour map was not able to be accurately plotted for the June 5, 2015 gauging event as several monitoring wells (MW-2, MW-3, MW-8, and MW-9) were damaged and/or not found and therefore not gauged. Based on the previous and current aforementioned elevations, groundwater flow appears to be in a west/southwest direction towards the Hudson River.

3.0 Chemical Data

A total of 12 soil samples were collected from the six (6) completed borings for analysis of volatile organic compounds (VOCs); semivolatile organic compounds (SVOCs) including PAHs; and Target Analyte List (TAL) metals and cyanide. No VOCs or SVOCs were detected at concentrations exceeding their respective Soil Cleanup Objectives (USCOs) with the exception of SVOCs benzo(a)anthracene, benzo(b)fluoranthene, and chrysene in sample SB-18 (40-42). No metals were detected at concentrations exceeding their respective USCOs with the exception of total chromium in sample SB-18 (40-42); and copper and lead in sample PZ-1 (40-43). The analytical results of the soil samples collected during the SRI are summarized in Table 2.

Groundwater samples were collected from the two (2) newly installed groundwater monitoring wells (MW-10 and MW-11). Groundwater samples were analyzed for VOCs, SVOCs, TAL metals; and cyanide. No VOCs or SVOCs were detected above their respective Ambient Water Quality Standards and Guidance Values (AWQSGV). No metals were detected at concentrations exceeding their respective AWQSGVs with the exception of iron, manganese, selenium, and sodium in both MW-10 and MW-11 samples. Laboratory analytical results for constituents detected in the groundwater samples are summarized in Table 3.

4.0 Review of Data

A review of the SRI data presented in the previous sections indicates that impacts from historical MGP-related activities from the former Ludlow site appear to be localized within the site boundaries. Slight impacts appear to have extended northward from the 50,000 cu Ft. gas holder towards the vicinity of SB-17. These impacts have not migrated towards MW-10 or MW-11 on the west side of the MTA property or north towards PZ-01, SB-19 or PZ-02.

Results indicate that MGP-related impacts to the soil appear to have been delineated to the south along Knowles Avenue; to the north at PZ-01; and along the eastern property boundary between borings MW-3 and SB-9. The western edge of MGP-related impacts to soil is delineated by MW-8, MW-9, MW-10, MW-11, SB-11 and TP-06. There were no MGP impacts detected or observed on the on the west site of the MTA property.

Based on the SRI findings, and the previous findings in the RI and SC, no additional investigation is recommended to delineate the impacts at the Site..

Tables

Table 1
SRI Sample Summary
Former Ludlow Street Works Site
Consolidated Edison Company of New York
Supplemental Remedial Investigation
April through June 2015

Location	Sample ID	Depth (bgs)	TCL VOCs	TCL SVOCs	TAL Metals	Cyanide
SOIL SAMPLES						
SB-18	SB-18 (40-42)	40-42'	X	X	X	X
	SB-18 (48-50)	48-50'	X	X	X	X
	SB-118 (48-50)*	48-50'	X	X	X	X
SB-19	SB-19 (40-45)	40-45'	X	X	X	X
	SB-19 (54-55)	54-55'	X	X	X	X
PZ-1	PZ-1 (40-43)	40-43'	X	X	X	X
	PZ-1 (50-55)	50-55'	X	X	X	X
PZ-2	PZ-2 (45-47)	45-47'	X	X	X	X
	PZ-2 (59-60)	59-60'	X	X	X	X
MW-10	MW-10 (22-24)	22-24'	X	X	X	X
	MW-10 (35-40)	35-40'	X	X	X	X
MW-11	MW-11 (16-18)	16-18'	X	X	X	X
	MW-11 (35-40)	35-40'	X	X	X	X
GROUNDWATER SAMPLES - November 2012						
MW-10	MW-10	NA	X	X	X	X
MW-11	MW-11	NA	X	X	X	X
	MW-111*	NA	X	X	X	X

X - Indicates sample was analyzed
* - Indicates a duplicate sample.

Table 2
Soil Sample Summary
Former Ludlow Street Works Site - Consolidated Edison Company of New York
Supplemental Remedial Investigation - April through June 2015

Consolidated Edison Ludlow Street Site Validated 2015 Groundwater Analytical Data Detected Compound Summary		Unrestricted Use Soil Cleanup		Location ID: Sample ID: Lab Sample Id: Depth: Source: SDG: Matrix: Sampled: Validated:	MW-10 MW-10(22-24)-20150514 G2278-05 22 - 24 ft CTECH G2278 SOIL 5/14/2015 12:00 6/24/2015	MW-10 MW-10(35-40)-20150514 G2278-06 35 - 40 ft CTECH G2278 SOIL 5/14/2015 12:15 6/24/2015	MW-11 MW-11(16-18)-20150514 G2278-01 16 - 18 ft CTECH G2278 SOIL 5/14/2015 9:45 6/24/2015	MW-11 MW-11(35-40)-20150514 G2278-04 35 - 40 ft CTECH G2278 SOIL 5/14/2015 10:05 6/24/2015
CAS NO.	COMPOUND	Objectives	Exceedances	UNITS:				
	VOLATILES							
67-64-1	ACETONE	0.05	0	mg/kg	ND	0.0058 J	0.0054 J	ND
100-41-4	ETHYLBENZENE	1	0	mg/kg	ND	ND	ND	ND
98-82-8	ISOPROPYLBENZENE (CUMENE)	--	0	mg/kg	ND	ND	ND	ND
78-93-3	METHYL ETHYL KETONE (2-BUTANONE)	0.12	0	mg/kg	ND	ND	ND	ND
108-87-2	METHYLCYCLOHEXANE	--	0	mg/kg	ND	ND	ND	ND
75-09-2	METHYLENE CHLORIDE	0.05	0	mg/kg	0.0027 J	0.0027 J	0.0026 J	0.0028 J
XYLMP	M,P-XYLENE (SUM OF ISOMERS)	0.26	0	mg/kg	ND	ND	ND	ND
	Total VOCs	**NS**	**0**	**mg/kg**	**0.0027**	**0.0085**	**0.008**	**0.0028**
	SEMIVOLATILES							
86-74-8	CARBAZOLE	--	0	mg/kg	ND	ND	ND	ND
132-64-9	DIBENZOFURAN	--	0	mg/kg	ND	ND	ND	ND
131-11-3	DIMETHYL PHTHALATE	--	0	mg/kg	0.21 J	0.23 J	0.11 J	0.23 J
108-95-2	PHENOL	0.33	0	mg/kg	ND	ND	ND J	ND
	PAHs		0					
208-96-8	ACENAPHTHYLENE	100	0	mg/kg	ND	ND	ND	ND
120-12-7	ANTHRACENE	100	0	mg/kg	ND	ND	ND	ND
56-55-3	BENZO(A)ANTHRACENE	1	1	mg/kg	ND	ND	ND	ND
50-32-8	BENZO(A)PYRENE	1	0	mg/kg	ND	ND	ND	ND
205-99-2	BENZO(B)FLUORANTHENE	1	1	mg/kg	ND	ND	ND	ND
191-24-2	BENZO(G,H,I)PERYLENE	100	0	mg/kg	ND	ND	ND	ND
207-08-9	BENZO(K)FLUORANTHENE	0.8	0	mg/kg	ND	ND	ND	ND
218-01-9	CHRYSENE	1	1	mg/kg	ND	ND	ND	ND
53-70-3	DIBENZ(A,H)ANTHRACENE	0.33	0	mg/kg	ND	ND	ND	ND
206-44-0	FLUORANTHENE	100	0	mg/kg	ND	ND	ND	ND
86-73-7	FLUORENE	30	0	mg/kg	ND	ND	ND	ND
193-39-5	INDENO(1,2,3-C,D)PYRENE	0.5	0	mg/kg	ND	ND	ND	ND
91-57-6	2-METHYLNAPHTHALENE	--	0	mg/kg	ND	ND	ND	ND
91-20-3	NAPHTHALENE	12	0	mg/kg	ND	ND	ND	ND
85-01-8	PHENANTHRENE	100	0	mg/kg	ND	ND	ND	ND
129-00-0	PYRENE	100	0	mg/kg	ND	ND	ND	ND
	Total PAHs	**--**	**0**	**mg/kg**	**ND**	**ND**	**ND**	**ND**
	Total SVOCs	**--**	**0**	**mg/kg**	**0.21**	**0.23**	**0.11**	**0.23**

Notes:
(1) 6NYCRR Part 375 Environmental Remediation Programs (December 14, 2006)
(2) -- indicates no cleanup objective or background level is available.
(3) ND indicates compound was not detected.
(4) J indicates an estimated concentration.
(5) Shaded values exceed 6NYCRR Part 375 Unrestricted Use Soil Cleanup Objectives.
(6) NA indicates compound was not analyzed.

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CAS NO.	COMPOUND	Objectives	Exceedances	UNITS:				
	INORGANICS							
7429-90-5	ALUMINUM	--	0	mg/kg	3540	3390	2500	6950
7440-38-2	ARSENIC	13	0	mg/kg	0.512 J	0.387 J	0.535 J	1.04
7440-39-3	BARIUM	350	0	mg/kg	104	38.2	21.8	85.4
7440-41-7	BERYLLIUM	7.2	0	mg/kg	0.306 J	0.237 J	0.23 J	0.523
7440-43-9	CADMIUM	2.5	0	mg/kg	ND	ND	ND	ND
7440-70-2	CALCIUM	--	0	mg/kg	694	4380	593	12800
7440-47-3	CHROMIUM, TOTAL	30	1	mg/kg	5.8	6.96	5.69	11.7
7440-48-4	COBALT	--	0	mg/kg	2.67	2.65	2.44	6.73
7440-50-8	COPPER	50	1	mg/kg	4.03	4.88	4.92	12.6
7439-89-6	IRON	--	0	mg/kg	5500	5530	5220	13400
7439-92-1	LEAD	63	1	mg/kg	3.07	2.85	2.85	12.1
7439-95-4	MAGNESIUM	--	0	mg/kg	1380	2640	1070	5700
7439-96-5	MANGANESE	1600	0	mg/kg	126	239	69.8	326
7439-97-6	MERCURY	0.18	0	mg/kg	ND	ND	ND	0.021
7440-02-0	NICKEL	30	0	mg/kg	5.76	6.15	5.56	15.6
7440-09-7	POTASSIUM	--	0	mg/kg	1290	1090	720	2060
7440-22-4	SILVER	2	0	mg/kg	0.526	0.5	0.48	1.34
7440-23-5	SODIUM	--	0	mg/kg	317	471	135 J	378
7440-62-2	VANADIUM	--	0	mg/kg	6.68	6.98	6.68	15.8
7440-66-6	ZINC	109	0	mg/kg	10.2	10.4	9.71	40.2
57-12-5	CYANIDE	27	0	mg/kg	ND	0.108 J	ND	ND

Notes:
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CAS NO.	COMPOUND	Objectives	Exceedances	UNITS:				
	VOLATILES							
67-64-1	ACETONE	0.05	0	mg/kg	0.0179 J	ND	ND	ND
100-41-4	ETHYLBENZENE	1	0	mg/kg	ND	ND	ND	ND
98-82-8	ISOPROPYLBENZENE (CUMENE)	--	0	mg/kg	ND	ND	ND	ND
78-93-3	METHYL ETHYL KETONE (2-BUTANONE)	0.12	0	mg/kg	ND	ND	ND	ND
108-87-2	METHYLCYCLOHEXANE	--	0	mg/kg	ND	ND	ND	ND
75-09-2	METHYLENE CHLORIDE	0.05	0	mg/kg	ND	ND	ND	ND
XYLMP	M,P-XYLENE (SUM OF ISOMERS)	0.26	0	mg/kg	ND	ND	ND	ND
	Total VOCs	**NS**	**0**	**mg/kg**	**0.0179**	**ND**	**ND**	**ND**
	SEMIVOLATILES							
86-74-8	CARBAZOLE	--	0	mg/kg	ND	ND	ND	ND
132-64-9	DIBENZOFURAN	--	0	mg/kg	ND	ND	ND	ND
131-11-3	DIMETHYL PHTHALATE	--	0	mg/kg	0.13 J	0.14 J	0.19 J	0.12 J
108-95-2	PHENOL	0.33	0	mg/kg	0.1 J	0.15 J	0.16 J	ND
	PAHs		0					
208-96-8	ACENAPHTHYLENE	100	0	mg/kg	ND	ND	ND	ND
120-12-7	ANTHRACENE	100	0	mg/kg	ND	ND	ND	ND
56-55-3	BENZO(A)ANTHRACENE	1	1	mg/kg	ND	ND	ND	ND
50-32-8	BENZO(A)PYRENE	1	0	mg/kg	ND	ND	ND	ND
205-99-2	BENZO(B)FLUORANTHENE	1	1	mg/kg	ND	ND	ND	ND
191-24-2	BENZO(G,H,I)PERYLENE	100	0	mg/kg	ND	ND	ND	ND
207-08-9	BENZO(K)FLUORANTHENE	0.8	0	mg/kg	ND	ND	ND	ND
218-01-9	CHRYSENE	1	1	mg/kg	ND	ND	ND	ND
53-70-3	DIBENZ(A,H)ANTHRACENE	0.33	0	mg/kg	ND	ND	ND	ND
206-44-0	FLUORANTHENE	100	0	mg/kg	0.12 J	ND	ND	ND
86-73-7	FLUORENE	30	0	mg/kg	ND	ND	ND	ND
193-39-5	INDENO(1,2,3-C,D)PYRENE	0.5	0	mg/kg	ND	ND	ND	ND
91-57-6	2-METHYLNAPHTHALENE	--	0	mg/kg	ND	ND	ND	ND
91-20-3	NAPHTHALENE	12	0	mg/kg	ND	ND	ND	ND
85-01-8	PHENANTHRENE	100	0	mg/kg	ND	ND	ND	ND
129-00-0	PYRENE	100	0	mg/kg	0.11 J	ND	ND	ND
	Total PAHs	**--**	**0**	**mg/kg**	**0.23**	**ND**	**ND**	**ND**
	Total SVOCs	**--**	**0**	**mg/kg**	**0.46**	**0.29**	**0.35**	**0.12**

Notes:
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(2) -- indicates no cleanup objective or background level is available.
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CAS NO.	COMPOUND	Objectives	Exceedances	UNITS:				
	INORGANICS							
7429-90-5	ALUMINUM	--	0	mg/kg	10000	5110	3400	5010
7440-38-2	ARSENIC	13	0	mg/kg	2.06	1.19	1.54	1.09
7440-39-3	BARIUM	350	0	mg/kg	85	53	86.8	55.7
7440-41-7	BERYLLIUM	7.2	0	mg/kg	0.388	0.446	0.376	0.466
7440-43-9	CADMIUM	2.5	0	mg/kg	0.991	0.37	0.272 J	0.371
7440-70-2	CALCIUM	--	0	mg/kg	6960	1460	2590	11700
7440-47-3	CHROMIUM, TOTAL	30	1	mg/kg	29.2	9.61	8.83	8.61
7440-48-4	COBALT	--	0	mg/kg	6.76	5.15	3.91	4.58
7440-50-8	COPPER	50	1	mg/kg	51.6	10.3	9.81	9.64
7439-89-6	IRON	--	0	mg/kg	18400	10600	8520	10500
7439-92-1	LEAD	63	1	mg/kg	83.9	6.33	10.35	6.48
7439-95-4	MAGNESIUM	--	0	mg/kg	3360	2220	1960	4970
7439-96-5	MANGANESE	1600	0	mg/kg	249	355	175	300
7439-97-6	MERCURY	0.18	0	mg/kg	0.149	ND	ND	ND
7440-02-0	NICKEL	30	0	mg/kg	17.6	12.7	8.68	10.38
7440-09-7	POTASSIUM	--	0	mg/kg	1630	1610	976	1500
7440-22-4	SILVER	2	0	mg/kg	0.525	0.306 J	0.219 J	0.304 J
7440-23-5	SODIUM	--	0	mg/kg	1020	279	134	191
7440-62-2	VANADIUM	--	0	mg/kg	22.6	12.1	11.7	11.6
7440-66-6	ZINC	109	0	mg/kg	84.2	21.6	17.7	22.9
57-12-5	CYANIDE	27	0	mg/kg	ND	ND	ND	ND

Notes:
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Soil Sample Summary
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Supplemental Remedial Investigation - April through June 2015

Consolidated Edison Ludlow Street Site Validated 2015 Groundwater Analytical Data Detected Compound Summary		Unrestricted Use Soil Cleanup		Location ID: Sample ID: Lab Sample Id: Depth: Source: SDG: Matrix: Sampled: Validated:	SB-18 SB-18(40-42)-20150422 G2003-01 40 - 42 ft CTECH G2003 SOIL 4/22/2015 11:05 6/24/2015	SB-18 SB-18(48-50)-20150422 G2003-02 48 - 50 ft CTECH G2003 SOIL 4/22/2015 11:10 6/24/2015	Dup of SB-18(48-50)-20150422 SB-18 SB-118(48-50)-20150422 G2003-05 48 - 50 ft CTECH G2003 SOIL 4/22/2015 11:20 6/24/2015	SB-19 SB-19(40-45)-20150422 G2003-06 40 - 45 ft CTECH G2003 SOIL 4/22/2015 13:40 6/24/2015
CAS NO.	COMPOUND	Objectives	Exceedances	UNITS:				
	VOLATILES							
67-64-1	ACETONE	0.05	0	mg/kg	0.0167 J	0.0055 J	ND	0.022 J
100-41-4	ETHYLBENZENE	1	0	mg/kg	ND	ND	ND	0.0732
98-82-8	ISOPROPYLBENZENE (CUMENE)	--	0	mg/kg	ND	ND	ND	0.0524
78-93-3	METHYL ETHYL KETONE (2-BUTANONE)	0.12	0	mg/kg	ND	ND	ND	0.0043 J
108-87-2	METHYLCYCLOHEXANE	--	0	mg/kg	ND	ND	ND	0.0146
75-09-2	METHYLENE CHLORIDE	0.05	0	mg/kg	ND	ND	ND	ND
XYLMP	M,P-XYLENE (SUM OF ISOMERS)	0.26	0	mg/kg	ND	ND	ND	0.0241
	Total VOCs	**NS**	**0**	**mg/kg**	**0.0167**	**0.0055**	**ND**	**0.1906**
	SEMIVOLATILES							
86-74-8	CARBAZOLE	--	0	mg/kg	0.18 J	ND	ND	ND
132-64-9	DIBENZOFURAN	--	0	mg/kg	0.25 J	ND	ND	ND
131-11-3	DIMETHYL PHTHALATE	--	0	mg/kg	ND	0.12 J	0.12 J	0.12 J
108-95-2	PHENOL	0.33	0	mg/kg	ND	0.13 J	0.13 J	0.0838 J
	PAHs		0					
208-96-8	ACENAPHTHYLENE	100	0	mg/kg	0.23 J	ND	ND	ND
120-12-7	ANTHRACENE	100	0	mg/kg	0.57 J	ND	ND	ND
56-55-3	BENZO(A)ANTHRACENE	1	1	mg/kg	1.5	ND	ND	ND
50-32-8	BENZO(A)PYRENE	1	0	mg/kg	1	ND	ND	ND
205-99-2	BENZO(B)FLUORANTHENE	1	1	mg/kg	1.4	ND	ND	ND
191-24-2	BENZO(G,H,I)PERYLENE	100	0	mg/kg	0.41 J	ND	ND	ND
207-08-9	BENZO(K)FLUORANTHENE	0.8	0	mg/kg	0.54 J	ND	ND	ND
218-01-9	CHRYSENE	1	1	mg/kg	1.3	ND	ND	ND
53-70-3	DIBENZ(A,H)ANTHRACENE	0.33	0	mg/kg	0.15 J	ND	ND	ND
206-44-0	FLUORANTHENE	100	0	mg/kg	3.2	ND	ND	0.087 J
86-73-7	FLUORENE	30	0	mg/kg	0.45 J	ND	ND	ND
193-39-5	INDENO(1,2,3-C,D)PYRENE	0.5	0	mg/kg	0.45 J	ND	ND	ND
91-57-6	2-METHYLNAPHTHALENE	--	0	mg/kg	ND	ND	ND	1.7
91-20-3	NAPHTHALENE	12	0	mg/kg	ND	ND	ND	0.57
85-01-8	PHENANTHRENE	100	0	mg/kg	3.3	ND	ND	0.11 J
129-00-0	PYRENE	100	0	mg/kg	2.5	ND	ND	0.0711 J
	Total PAHs	**--**	**0**	**mg/kg**	**17**	**ND**	**ND**	**2.5381**
	Total SVOCs	**--**	**0**	**mg/kg**	**17.43**	**0.25**	**0.25**	**2.7419**

Notes:
(1) 6NYCRR Part 375 Environmental Remediation Programs (December 14, 2006)
(2) -- indicates no cleanup objective or background level is available.
(3) ND indicates compound was not detected.
(4) J indicates an estimated concentration.
(5) Shaded values exceed 6NYCRR Part 375 Unrestricted Use Soil Cleanup Objectives.
(6) NA indicates compound was not analyzed.

Table 2
Soil Sample Summary
Former Ludlow Street Works Site - Consolidated Edison Company of New York
Supplemental Remedial Investigation - April through June 2015

Consolidated Edison Ludlow Street Site Validated 2015 Groundwater Analytical Data Detected Compound Summary		Unrestricted Use Soil Cleanup		Location ID: Sample ID: Lab Sample Id: Depth: Source: SDG: Matrix: Sampled: Validated:	SB-18 SB-18(40-42)-20150422 G2003-01 40 - 42 ft CTECH G2003 SOIL 4/22/2015 11:05 6/24/2015	SB-18 SB-18(48-50)-20150422 G2003-02 48 - 50 ft CTECH G2003 SOIL 4/22/2015 11:10 6/24/2015	Dup of SB-18(48-50)-20150422 SB-18 SB-118(48-50)-20150422 G2003-05 48 - 50 ft CTECH G2003 SOIL 4/22/2015 11:20 6/24/2015	SB-19 SB-19(40-45)-20150422 G2003-06 40 - 45 ft CTECH G2003 SOIL 4/22/2015 13:40 6/24/2015
CAS NO.	COMPOUND	Objectives	Exceedances	UNITS:				
	INORGANICS							
7429-90-5	ALUMINUM	--	0	mg/kg	14500	6680 J	2590 J	3850
7440-38-2	ARSENIC	13	0	mg/kg	1.95	2.17 J	0.993 J	1.21
7440-39-3	BARIUM	350	0	mg/kg	218	59.5 J	82.2	127
7440-41-7	BERYLLIUM	7.2	0	mg/kg	0.484	0.62 J	0.2 J	0.302
7440-43-9	CADMIUM	2.5	0	mg/kg	1.93	0.537 J	0.196 J	0.293
7440-70-2	CALCIUM	--	0	mg/kg	8010	2000 J	1000	6840
7440-47-3	CHROMIUM, TOTAL	30	1	mg/kg	43.6	11.9 J	11.3	20.3
7440-48-4	COBALT	--	0	mg/kg	13.3	8.12 J	3.36 J	3.34
7440-50-8	COPPER	50	1	mg/kg	21.7	16.3 J	6.59 J	8.18
7439-89-6	IRON	--	0	mg/kg	25400	15600 J	6500 J	7690
7439-92-1	LEAD	63	1	mg/kg	41.6	7.57 J	3.13 J	32.4
7439-95-4	MAGNESIUM	--	0	mg/kg	8490	3090 J	1790 J	3230
7439-96-5	MANGANESE	1600	0	mg/kg	393	236 J	486 J	290
7439-97-6	MERCURY	0.18	0	mg/kg	0.037	0.01 J	ND	0.052
7440-02-0	NICKEL	30	0	mg/kg	26.7	19.2	13.3	12.6
7440-09-7	POTASSIUM	--	0	mg/kg	6070	2020 J	612 J	1140
7440-22-4	SILVER	2	0	mg/kg	0.593	0.44 J	0.184 J	0.165 J
7440-23-5	SODIUM	--	0	mg/kg	869	236 J	123 J	259
7440-62-2	VANADIUM	--	0	mg/kg	38.8	16.7 J	8.32 J	9.49
7440-66-6	ZINC	109	0	mg/kg	79.2	33.3 J	12.9 J	20
57-12-5	CYANIDE	27	0	mg/kg	ND	ND	ND	ND

Notes:
(1) 6NYCRR Part 375 Environmental Remediation Programs (December 14, 2006)
(2) -- indicates no cleanup objective or background level is available.
(3) ND indicates compound was not detected.
(4) J indicates an estimated concentration.
(5) Shaded values exceed 6NYCRR Part 375 Unrestricted Use Soil Cleanup Objectives.
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Table 2
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Supplemental Remedial Investigation - April through June 2015

Consolidated Edison Ludlow Street Site Validated 2015 Groundwater Analytical Data Detected Compound Summary		Unrestricted Use Soil Cleanup		Location ID: Sample ID: Lab Sample Id: Depth: Source: SDG: Matrix: Sampled: Validated:	SB-19 SB-19(54-55)-20150422 G2003-07 54 - 55 ft CTECH G2003 SOIL 4/22/2015 14:00 6/24/2015
CAS NO.	COMPOUND	Objectives	Exceedances	UNITS:	
	VOLATILES				
67-64-1	ACETONE	0.05	0	mg/kg	0.0068 J
100-41-4	ETHYLBENZENE	1	0	mg/kg	ND
98-82-8	ISOPROPYLBENZENE (CUMENE)	--	0	mg/kg	ND
78-93-3	METHYL ETHYL KETONE (2-BUTANONE)	0.12	0	mg/kg	ND
108-87-2	METHYLCYCLOHEXANE	--	0	mg/kg	ND
75-09-2	METHYLENE CHLORIDE	0.05	0	mg/kg	ND
XYLMP	M,P-XYLENE (SUM OF ISOMERS)	0.26	0	mg/kg	ND
	Total VOCs	**NS**	**0**	**mg/kg**	**0.0068**
	SEMIVOLATILES				
86-74-8	CARBAZOLE	--	0	mg/kg	ND
132-64-9	DIBENZOFURAN	--	0	mg/kg	ND
131-11-3	DIMETHYL PHTHALATE	--	0	mg/kg	0.13 J
108-95-2	PHENOL	0.33	0	mg/kg	0.14 J
	PAHs		0		
208-96-8	ACENAPHTHYLENE	100	0	mg/kg	ND
120-12-7	ANTHRACENE	100	0	mg/kg	ND
56-55-3	BENZO(A)ANTHRACENE	1	1	mg/kg	ND
50-32-8	BENZO(A)PYRENE	1	0	mg/kg	ND
205-99-2	BENZO(B)FLUORANTHENE	1	1	mg/kg	ND
191-24-2	BENZO(G,H,I)PERYLENE	100	0	mg/kg	ND
207-08-9	BENZO(K)FLUORANTHENE	0.8	0	mg/kg	ND
218-01-9	CHRYSENE	1	1	mg/kg	ND
53-70-3	DIBENZ(A,H)ANTHRACENE	0.33	0	mg/kg	ND
206-44-0	FLUORANTHENE	100	0	mg/kg	ND
86-73-7	FLUORENE	30	0	mg/kg	ND
193-39-5	INDENO(1,2,3-C,D)PYRENE	0.5	0	mg/kg	ND
91-57-6	2-METHYLNAPHTHALENE	--	0	mg/kg	ND
91-20-3	NAPHTHALENE	12	0	mg/kg	ND
85-01-8	PHENANTHRENE	100	0	mg/kg	ND
129-00-0	PYRENE	100	0	mg/kg	ND
	Total PAHs	**--**	**0**	**mg/kg**	**ND**
	Total SVOCs	**--**	**0**	**mg/kg**	**0.27**

Notes:
(1) 6NYCRR Part 375 Environmental Remediation Programs (December 14, 2006)
(2) -- indicates no cleanup objective or background level is available.
(3) ND indicates compound was not detected.
(4) J indicates an estimated concentration.
(5) Shaded values exceed 6NYCRR Part 375 Unrestricted Use Soil Cleanup Objectives.
(6) NA indicates compound was not analyzed.

Table 2
Soil Sample Summary
Former Ludlow Street Works Site - Consolidated Edison Company of New York
Supplemental Remedial Investigation - April through June 2015

Consolidated Edison Ludlow Street Site Validated 2015 Groundwater Analytical Data Detected Compound Summary		Unrestricted Use Soil Cleanup		Location ID: Sample ID: Lab Sample Id: Depth: Source: SDG: Matrix: Sampled: Validated:	SB-19 SB-19(54-55)-20150422 G2003-07 54 - 55 ft CTECH G2003 SOIL 4/22/2015 14:00 6/24/2015
CAS NO.	COMPOUND	Objectives	Exceedances	UNITS:	
	INORGANICS				
7429-90-5	ALUMINUM	--	0	mg/kg	3850
7440-38-2	ARSENIC	13	0	mg/kg	1.13
7440-39-3	BARIUM	350	0	mg/kg	50.9
7440-41-7	BERYLLIUM	7.2	0	mg/kg	0.313
7440-43-9	CADMIUM	2.5	0	mg/kg	0.306
7440-70-2	CALCIUM	--	0	mg/kg	3880
7440-47-3	CHROMIUM, TOTAL	30	1	mg/kg	8.62
7440-48-4	COBALT	--	0	mg/kg	4.21
7440-50-8	COPPER	50	1	mg/kg	9.76
7439-89-6	IRON	--	0	mg/kg	9170
7439-92-1	LEAD	63	1	mg/kg	3.78
7439-95-4	MAGNESIUM	--	0	mg/kg	4320
7439-96-5	MANGANESE	1600	0	mg/kg	211
7439-97-6	MERCURY	0.18	0	mg/kg	ND
7440-02-0	NICKEL	30	0	mg/kg	13
7440-09-7	POTASSIUM	--	0	mg/kg	894
7440-22-4	SILVER	2	0	mg/kg	0.25 J
7440-23-5	SODIUM	--	0	mg/kg	159
7440-62-2	VANADIUM	--	0	mg/kg	12.6
7440-66-6	ZINC	109	0	mg/kg	15.8
57-12-5	CYANIDE	27	0	mg/kg	ND

Notes:
(1) 6NYCRR Part 375 Environmental Remediation Programs (December 14, 2006)
(2) -- indicates no cleanup objective or background level is available.
(3) ND indicates compound was not detected.
(4) J indicates an estimated concentration.
(5) Shaded values exceed 6NYCRR Part 375 Unrestricted Use Soil Cleanup Objectives.
(6) NA indicates compound was not analyzed.

Table 3
Groundwater Sample Summary
Former Ludlow Street Works Site - Consolidated Edison Company of New York
Supplemental Remedial Investigation - April through June 2015

Consolidated Edison Ludlow Street Site Validated Groundwater Analytical Data Detected Compound Summary		NYSDEC Class GA Groundwater Standards/Guidance Values [1]	Exceedances	Location ID: Sample ID: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated: UNITS:	MW-10 MW-10-20150605 G2556-04 CTECH G2556 WATER 6/5/2015 10:20 7/2/2015	MW-11 MW-11-20150605 G2556-01 CTECH G2556 WATER 6/5/2015 9:35 7/2/2015	Dup of MW-11-20150605 MW-11 MW-111-20150605 G2556-05 CTECH G2556 WATER 6/5/2015 9:35 7/2/2015
CAS NO.	COMPOUND						
	VOLATILES						
	NONE DETECTED	--					
	SEMIVOLATILES						
117-81-7	BIS(2-ETHYLHEXYL) PHTHALATE	5	0	ug/l	ND	ND	ND
131-11-3	DIMETHYL PHTHALATE	50 (G)	0	ug/l	3 J	ND	ND
	INORGANICS						
7429-90-5	ALUMINUM	--	0	ug/l	1250	726 J	286 J
7440-38-2	ARSENIC	25	0	ug/l	4.21 J	ND	ND
7440-39-3	BARIUM	1000	0	ug/l	307	142	142
7440-70-2	CALCIUM	--	0	ug/l	81100	86000	87900
7440-47-3	CHROMIUM, TOTAL	50	0	ug/l	ND	1.75 J	ND
7440-50-8	COPPER	200	0	ug/l	4.21 J	ND	ND
7439-89-6	IRON	300	2	ug/l	2020	934 J	423 J
7439-92-1	LEAD	25	0	ug/l	5.12 J	5.26 J	2.05 J
7439-95-4	MAGNESIUM	35000 (G)	0	ug/l	27000	24100	24100
7439-96-5	MANGANESE	300	2	ug/l	4210	2390	2120
7439-97-6	MERCURY	0.7	0	ug/l	0.126 J	0.13 J	0.154 J
7440-02-0	NICKEL	100	0	ug/l	5 J	ND	ND
7440-09-7	POTASSIUM	--	0	ug/l	9070	7270	7660
7782-49-2	SELENIUM	10	2	ug/l	12.5	10.35	9.81 J
7440-23-5	SODIUM	20000	2	ug/l	620900	368100	389800
7440-66-6	ZINC	2000 (G)	0	ug/l	14.4 J	12.2 J	8.56 J
57-12-5	CYANIDE	200	0	ug/l	11	ND	ND

Notes:

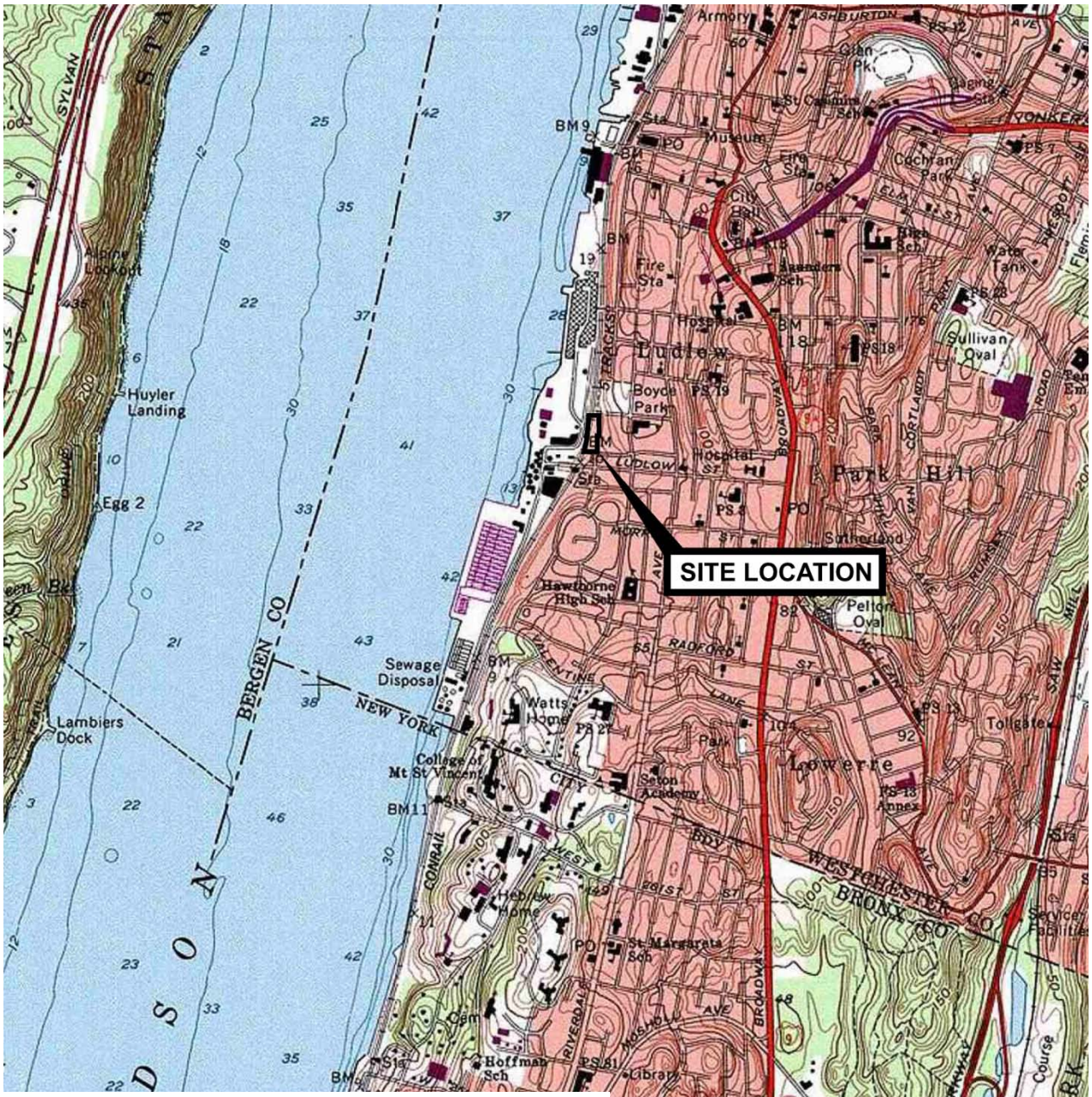
	Indicates concentration exceeds standard or guidance value.
(G)	Indicates guidance value.
NS	No standard or guidance value available.
ND	Indicates compound was not detected.
J	Indicates an estimated concentration.
ug/L	Micrograms per liter

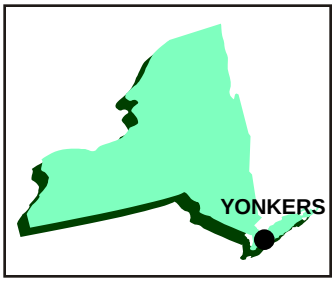
Table 4
Summary of Groundwater Elevations
Former Ludlow Street Works Site - Consolidated Edison Company of New York
Supplemental Remedial Investigation - April through June 2015

Well ID	Top of Casing Elevation (feet AMSL)	11/19/2012		1/3/2013		4/5/2013		7/5/2015	
		Depth to Water (feet)	Groundwater Elevation (feet AMSL)	Depth to Water (feet)	Groundwater Elevation (feet AMSL)	Depth to Water (feet)	Groundwater Elevation (feet AMSL)	Depth to Water (feet)	Groundwater Elevation (feet AMSL)
MW-1	20.35	13.95	6.40	14.06	6.29	13.36	6.99	12.51	7.84
MW-2	16.24	NA(1)	NA(1)	10.45	5.79	10.92	5.32	NA(3)	NA(3)
MW-3	19.35	16.33	3.02	16.51	2.84	16.49	2.86	NA(3)	NA(3)
MW-4	19.28	14.09	5.19	14.15	5.13	13.92	5.36	11.77	7.51
MW-5	15.16	NA(1)	NA(1)	11.23	3.93	12.05	3.11	10.97	4.19
MW-7	42.03	39.08	2.95	39.19	2.84	39.00	3.03	38.25	3.78
MW-8	5.20	5.06	2.08	5.20	1.94	NA(2)	NA(2)	NA(2)	NA(2)
MW-9	6.35	4.23	2.12	4.38	1.97	4.15	2.20	NA(2)	NA(2)
MW-10	6.64	NI	NI	NI	NI	NI	NI	3.66	2.98
MW-11	7.5	NI	NI	NI	NI	NI	NI	4.58	2.92
PZ-1	47.21	NI	NI	NI	NI	NI	NI	43.71	3.50
PZ-2	47.82	NI	NI	NI	NI	NI	NI	44.62	3.20

Notes:
(1) Monitoring well destroyed by DPW site activities, replaced in December 2012.
(2) Access blocked during sampling activities.
(3) Monitoring well destroyed or covered due to DPW site activities
NI = Not Installed
AMSL = Above Mean Sea Level
Elevations are based on the North American Vertical Datum of 1988 (NAVD88).

Figures





New York

N

SOURCE:

MAP CREATED WITH TOPO!™ ©2000 WILDFLOWER PRODUCTIONS (www.topo.com)

FIGURE 1

Consolidated Edison
Former Ludlow Street Works
Yonkers, New York

SITE LOCATION MAP

PARSONS
200 COTTONTAIL LANE, SOMERSET, NJ 08873 PHONE: (732) 537-3500

P:\ConEdison\Ludlow Street\CAD\RIWP\SITEMAP.PPT

LEGEND:

- FORMER MGP STRUCTURES
- FENCELINE
- RAILROAD TRACKS
- PROPERTY LINE
- SITE BOUNDARY
- OHW — OVERHEAD WIRE
- ST — STORM SEWER
- W — WATER LINE
- G — GAS LINE

NOTES:

1. BASE SURVEY DRAWING PROVIDED BY THE CHAZEN COMPANIES. A SURVEY PERFORMED ON THE SITE IN JULY 2010 AND UPDATED IN DECEMBER 2012 AND JUNE 2015.
2. HISTORIC FEATURES IN BASE DRAWING BASED ON SANBORN FIRE INSURANCE MAPS DATED 1888, 1898, 1917, 1951, & 1991. WESTCHESTER COUNTY ATLAS, 1931., YONKERS TAX ASSESSORS MAP, REVISED 1947 AND FIGURE 3 FROM GEI CONSULTANTS, INC.

50 25 0 50 100

SCALE: 1"=50'

FIGURE 2

Consolidated Edison
Former Ludlow Street Works
Yonkers, New York

FORMER MGP STRUCTURES

PARSONS
200 COTTONTAIL LANE, SOMERSET NJ 08873, PHONE: 732-537-3500

FILE NAME: P:\CONED\446810 - LUDLOW ST\CAD\446810-SK012-FIG 2.DWG
PLOT DATE: 7/16/2015 12:35 PM PLOTTED BY: RUSSO, JILL

NOTES:

1. BASE SURVEY DRAWING PROVIDED BY THE CHAZEN COMPANIES. A SURVEY PERFORMED ON THE SITE IN JULY 2010 AND UPDATED IN DECEMBER 2012 AND JUNE 2015.
2. HISTORIC FEATURES IN BASE DRAWING BASED ON SANBORN FIRE INSURANCE MAPS DATED 1888, 1898, 1917, 1951, & 1991. WESTCHESTER COUNTY ATLAS, 1931., YONKERS TAX ASSESSORS MAP, REVISED 1947 AND FIGURE 3 FROM GEI CONSULTANTS, INC.

LEGEND:

- MONITORING WELL LOCATION (2010)
- MONITORING WELL LOCATION (2012)
- MONITORING WELL LOCATION (2015)
- SOIL VAPOR LOCATION (2012)
- SOIL BORING LOCATION (2010)
- SOIL BORING LOCATION (2012)
- SOIL BORING LOCATION (2015)
- PIEZOMETER LOCATION
- TEST PIT LOCATION (2010)
- TEST PIT LOCATION (2012)
- FORMER MGP STRUCTURES
- RAILROAD TRACKS
- FENCE LINES
- PROPERTY LINE
- SITE BOUNDARY
- OHW — OVERHEAD WIRE
- ST — STORM SEWER
- W — WATER LINE
- G — GAS LINE
- UE — UNDERGROUND ELECTRIC LINE
- BUILDING
- CONC. WALK — SIDEWALK
- ASPHALT — ASPHALT DRIVEWAY
- CONC. CURB — CURB/GUTTER
- BOLLARD
- CATCH BASIN
- DRAINAGE MANHOLE
- GUY WIRE
- GAS VALVE
- HYDRANT
- SANITARY MANHOLE
- UNKNOWN MANHOLE
- UTILITY POLE
- WELL
- WATER VALVE
- GATE

FEDERAL STREET
RAILROAD SPUR
CONCRETE BARRIER WALL
DOWNING STREET GATE
KNOWLES AVE
TREET
MW-1
MW-2
MW-2 (DESTROYED)
MW-3
MW-4
MW-5
MW-5 (DESTROYED)
MW-7
MW-8
MW-9
MW-10
MW-11
PZ-01
PZ-02
SV-3
SV-4
SB-01
SB-02
SB-03
SB-04
SB-05
SB-06
SB-07
SB-08
SB-09/SV-1
SB-10
SB-11
SB-12
SB-13
SB-14
SB-16
SB-17
SB-18
SB-19
TP-01
TP-02
TP-03
TP-04A
TP-04B
TP-05
TP-06
LIME HOUSE
PURIFYING HOUSE
METER HOUSE
BOILER HOUSE
JUNK PILE
RETORTS
SALT PILE
EXPOSED PIPES
GAS HOLDER (250,000 CU FT)
GAS HOLDER (50,000 CU FT)
GAS HOLDER (22,800 CU FT)
REMAINS OF TANK FOUNDATION
CONCRETE BLOCK WALL
BENCHMARK MANHOLE ELEV.= 18.75 (SE)
CONC.WALK
RETE AND STONE CURB
CONC.WALK
OHW
G
CONC. CURB
CONC. WALK

50 25 0 50 100

SCALE: 1"=50'

FILE NAME: P:\CONED\446110 - LUDLOW ST\CAD\446110-SK011-FIG 3.DWG
PLOT DATE: 7/16/2015 12:37 PM PLOTTED BY: RUSSO, JILL

FIGURE 3

Consolidated Edison
Former Ludlow Street Works
Yonkers, New York

SAMPLE LOCATION MAP

PARSONS
200 COTTONTAIL LANE, SOMERSET NJ 08873, PHONE: 732-537-3500

Attachment A
Soil Boring and Well Construction Logs

PARSONS
DRILLING RECORD

BORING/WELL ID: SB-18
Sheet 1 of 1

Contractor: Aquifer Drilling & Testing
Driller: Dave Moon
Inspector: Zohar Lavy
Rig Type: XL Max Sonic Rig

PROJECT NAME: Consolidated Edison - Former Ludlow Street Works
PROJECT NUMBER: 449395-01100

Location Description: South end of Upper Yonkers DPW Yard

Location Plan See Site Plan

Weather: Clear, up to low 70s
Date/Time Start: 4-22-15/1020
Date/Time Finish: 4-22-15/1110

GROUNDWATER OBSERVATIONS				
Water Level	DTW ~42' bgs	DTW		
Date	4-22-15			
Time	1105			
Meas. From	ft bgs - Sonic Macrocore	Top of Casing		

Sample Depth	Location/ Sample I.D.	SPT	Rec. (%)	PID (ppm)	FIELD IDENTIFICATION OF MATERIAL	SCHEMATIC	COMMENTS
+2							
+1							
0		Sonic	60	0.0	0-20" Dry, black, fine to coarse SAND, some fine to coarse sub-angular to sub-round Gravel, little Brick 20-36" Dry, black, fine to coarse SAND and CONCRETE, some fine to coarse sub-angular to sub-round Gravel, little Brick		
1							
2							
3							
4							
5		Sonic	80	0.2	0-30" Dry, dark brown/black, fine to medium SAND, some fine to coarse angular to sub-round Gravel, trace Metal 30-48" Moist, brown, fine to medium SAND, little Cobble, trace Silt		
6							
7							
8							
9							
10		Sonic	100	0.0	0-18" Dry, orange/brown, fine to medium SAND, little Brick fragments		
11				0.0	18-50" Moist, dark brown/black, medium SAND, some Concrete, trace Rubber		
12				0.8	50-60" Dry, tan, medium SAND, trace Cobble		
13							
14							
15		Sonic	50	0.0	0-15" Dry, tan, medium SAND, some Cobble 15-26" Schist COBBLE 26-30" Dry/moist, brown, medium SAND		
16							
17							
18							
19							
20		Sonic	10	0.0	Schist COBBLE		
21							
22							
23							
24							
25		Sonic	60	0.0	0-30" Moist, red/brown, fine to medium SAND, little Silt, little fine sub-round Gravel 30-36" Dry, tan, medium SAND		
26							
27							
28							
29							
30		Sonic	90	0.0	0-40" Moist, red/brown, fine to medium SAND 40-54" Moist, red/brown, fine SAND		
31							
32							
33							
34							
35		Sonic	77	0.0	Moist, red/brown, fine SAND, little medium to coarse sub-angular to sub-round Gravel		
36							
37							
38							
39							
40	SB-18 (40-42)	Sonic	80	0.0	0-20"Moist, dark brown, fine SAND, some fine to coarse angular to sub-round Gravel 20-48" Wet, orange/brown fine to medium SAND		
41							
42							
43							
44							
45		Sonic	100	0.0	0-18" Wet, orange/brown fine to medium SAND, trace coarse sub-angular Gravel, trace Silt 18-40" Wet, orange/brown, medium SAND 40-48" Wet, orange/tan medium to coarse SAND 48-60" Moist, orange, fine SAND, trace Silt		
46							
47							
48	SB-18 (48-50)						
49							
50					End of Boring at 50 ft bgs		

SAMPLING METHOD
SS = SPLIT SPOON
A = AUGER CUTTINGS
C = CORED
WH = WEIGHT OF HAMMER (RODS)

Sonic drilled from 0 to 50 ft bgs

PARSONS
DRILLING RECORD

BORING/WELL ID: SB-19

Sheet 1 of 1

Contractor: Aquifer Drilling & Testing
Driller: Dave Moon
Inspector: Zohar Lavy
Rig Type: XL Max Sonic Rig

PROJECT NAME: Consolidated Edison - Former Ludlow Street Works
PROJECT NUMBER: 449395-01100

Location Description: South end of Upper Yonkers DPW Yard

Location Plan

See Site Plan

Weather: Clear, up to low 70s
Date/Time Start: 4-22-15/1300
Date/Time Finish: 4-22-15/1400

GROUNDWATER OBSERVATIONS				
Water Level	DTW ~45' bgs	DTW		
Date	4-22-15			
Time	1105			
Meas. From	ft bgs - Sonic Macrocore	Top of Casing		

Sample Depth	Location/ Sample I.D.	SPT	Rec. (%)	PID (ppm)	FIELD IDENTIFICATION OF MATERIAL	SCHEMATIC	COMMENTS
+2							
+1							
0		Sonic	70	0.0	Dry, dark brown/grey, fine to medium SAND, some fine to coarse angular to sub-round Gravel, little Cobble, trace Silt		
1							
2							
3							
4							
5		Sonic	100	0.0	0-14" Dry, dark brown/grey, fine to medium SAND, some fine to coarse angular to sub-round Gravel, little Cobble, trace Silt 14-20" BRICK 20-50" Dry, dark brown/grey, fine to medium SAND, some fine to coarse angular to sub-round Gravel, little Cobble, trace Silt 50-60" Dry/moist, brown, fine to medium SAND and fine to coarse sub-angular GRAVEL, trace		
6							
7							
8							
9							
10		Sonic	47	0.0	Dry, dark brown/grey fine to medium SAND and COBBLE, some fine to coarse sub-angular Gravel		
11							
12							
13							
14							
15		Sonic	70	0.0	0-16" Schist COBBLE 16-42" Moist, dark brown, fine to medium SAND, some fine to medium angular to sub-round Gravel, little Cobble		
16							
17							
18							
19							
20		Sonic	40	0.0	Dry, tan/grey, fine to medium SAND and COBBLE		
21							
22							
23							
24							
25		Sonic	80	0.0	0-30" Dry, tan/grey, fine to medium SAND and COBBLE, little Concrete 30-48" Dry, brown, medium SAND, some fine to coarse sub-angular to sub-round Gravel		
26							
27							
28							
29							
30		Sonic	80	0.0	0-36" Dry, dark brown, medium SAND, some medium to coarse angular to sub-angular Gravel 36-48" Dry, orange/brown, medium SAND, trace Cobble		
31							
32							
33							
34							
35		Sonic	40	0.0	Dry, orange/brown, medium SAND, trace Cobble		
36							
37							
38							
39							
40	SB-19 (40-45)	Sonic	40	175.0	Dry, brown, medium SAND, some medium to coarse sub-angular Gravel, hydrocarbon odor		
41							
42							
43							
44							
45		Sonic	100	173.0 35.2	0-30" Wet, grey/brown, fine to medium SAND, little Silt, trace fine to medium sub-angular Gravel 30-60" Moist, orange/brown, fine to medium SAND, hydrocarbon odor		
46							
47							
48							
49							
50		Sonic	100	62.0 0.9	0-24" Moist, orange/brown, fine to medium SAND,little fine to medium sub-round to round Gravel hydrocarbon odor 24-60" Moist, orange/brown, fine to medium SAND,little fine to medium sub-round to round Gravel hydrocarbon odor		
51							
52							
53							
54	SB-19 (54-55)						
55					End of Boring at 55 ft bgs		

SAMPLING METHOD
SS = SPLIT SPOON
A = AUGER CUTTINGS
C = CORED
WH = WEIGHT OF HAMMER (RODS)

Sonic drilled from 0 to 55 ft bgs

PARSONS
DRILLING RECORD

BORING/WELL ID: PZ-01
Sheet 1 of 1

Contractor: Aquifer Drilling & Testing
Driller: Dave Moon
Inspector: Zohar Lavy
Rig Type: XL Max Sonic Rig

PROJECT NAME: Consolidated Edison - Former Ludlow Street Works
PROJECT NUMBER: 449395-01100

Location Description: South end of Upper Yonkers DPW Yard

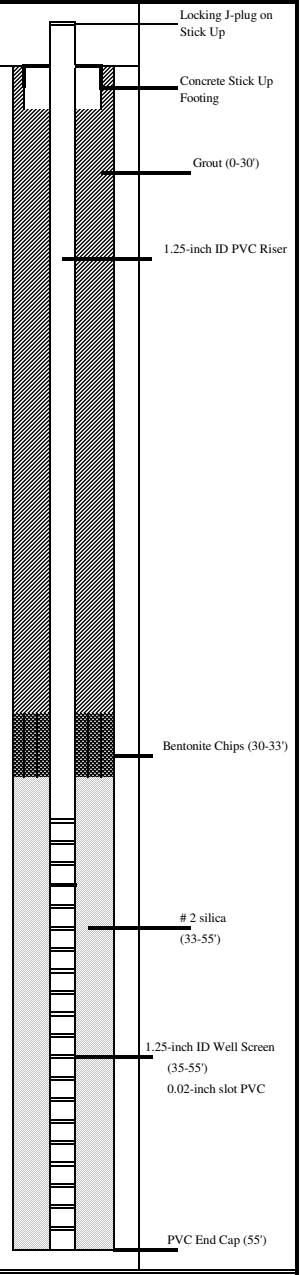
Location Plan See Site Plan

Weather: Clear, up to low 70s
Date/Time Start: 4-22-15/1425
Date/Time Finish: 4-23-15/0905

GROUNDWATER OBSERVATIONS

Water Level	DTW ~45' bgs	DTW		
Date	4-23-15			
Time	830			
Meas. From	ft bgs - Sonic Macrocore	Top of Casing		

Sample Depth	Location/ Sample I.D.	SPT	Rec. (%)	PID (ppm)	FIELD IDENTIFICATION OF MATERIAL
+3					
+2					
+1					
0		Sonic	100	0.0	Moist, dark grey/black, fine to medium SAND and COBBLE, some Brick, little Concrete, trace Fabric
1					
2					
3					
4					
5		Sonic	67	0.0	0-36" Dry, dark grey/black, fine to medium SAND and COBBLE, some Brick, little Concrete, trace 36-40" Moist, brown, fine to medium SAND, little fine to medium sub-angular Gravel, little Silt
6					
7					
8					
9					
10		Sonic	40	0.0	0-16" Wet, brown, fine to medium SAND, little fine to medium sub-angular Gravel, little Silt 16-24" Moist, black, fine to medium SAND and ASH
11					
12					
13					
14					
15		Sonic	40	0.0	Wet, black, fine SAND and COBBLE, trace Glass
16					
17					
18					
19					
20		Sonic	70	0.0	0-12" Wet, black, fine SAND and COBBLE, trace Glass 12-18" COBBLE 18-42" Moist, brown/grey, fine to medium SAND, little Ash, trace Brick, trace Silt
21					
22					
23					
24					
25		Sonic	60	0.0	0-16" Schist COBBLE 16-30" Moist, brown, fine to medium SAND, little Silt, trace Concrete 30-36" CONCRETE
26					
27					
28					
29					
30		Sonic	40	0.0	Wet, brown, fine to medium SAND and fine to coarse angular to sub-round GRAVEL, some Cobble, trace Plastic
31					
32					
33					
34					
35		Sonic	60	0.0	Wet, brown, fine to medium SAND and fine to coarse angular to sub-round GRAVEL, some Cobble, trace Porcelain, trace Brick
36					
37					
38					
39					
40	PZ-01 (40-43)	Sonic	80	0.0 1.9	0-14" Wet, brown, fine to medium SAND and fine to coarse angular to sub-round GRAVEL, some 14-24" Moist, dark brown/grey, fine to medium SAND, little Silt, little Cobble, little fine to coarse sub-angular Gravel 24-48" BOULDER, trace Brick
41					
42					
43					
44					
45		Sonic	0	NA	No Recovery
46					
47					
48					
49					
50	PZ-01 (50-55)	Sonic	27	0.0	Wet, orange/brown, medium SAND, trace fine to medium sub-angular Gravel
51					
52					
53					
54					
55					End of Boring at 55 ft bgs



SAMPLING METHOD
SS = SPLIT SPOON
A = AUGER CUTTINGS
C = CORED
WH = WEIGHT OF HAMMER (RODS)

Sonic drilled from 0 to 55 ft bgs

PARSONS
DRILLING RECORD

BORING/WELL ID: PZ-02
Sheet 1 of 1

Contractor: Aquifer Drilling & Testing
Driller: Dave Moon
Inspector: Zohar Lavy
Rig Type: XL Max Sonic Rig

PROJECT NAME: Consolidated Edison - Former Ludlow Street Works
PROJECT NUMBER: 449395-01100

Location Description: North end of Upper Yonkers DPW Yard

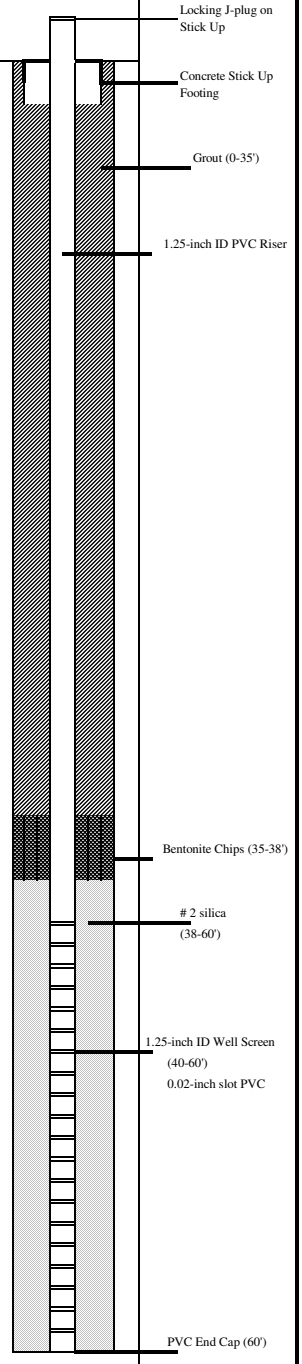
Location Plan
See Site Plan

Weather: Cloudy, up to low 50s
Date/Time Start: 4-23-15/1235
Date/Time Finish: 4-23-15/1355

GROUNDWATER OBSERVATIONS

Water Level	DTW ~47' bgs	DTW		
Date	4-23-15			
Time	1345			
Meas. From	ft bgs - Sonic Macrocore	Top of Casing		

Sample Depth	Location/ Sample I.D.	SPT	Rec. (%)	PID (ppm)	FIELD IDENTIFICATION OF MATERIAL
+3					
+2					
+1					
0		Sonic	60	0.0	0-12" Dry, black, fine to medium SAND and angular to sub-angular fine to coarse GRAVEL, some Asphalt 12-28" CONCRETE 28-36" Moist, dark brown, fine to medium SAND, little fine to coarse sub-angular Gravel, trace Organics, trace Silt
1					
2					
3					
4					
5		Sonic	80	0.0	0-30" Dry, black, fine to coarse SAND and fine to coarse angular to sub-round Gravel, little Cobble, trace Glass, trace Wood 30-48" Dry, orange/brown, medium SAND, some fine to coarse sub-angular Gravel
6					
7					
8					
9					
10		Sonic	0	NA	No Recovery
11					
12					
13					
14					
15		Sonic	10	0.0	Dry, dark brown, medium to coarse SAND and COBBLE
16					
17					
18					
19					
20		Sonic	30	0.0	Dry, orange/brown, fine to medium SAND
21					
22					
23					
24					
25		Sonic	30	0.0	Dry, orange/brown, fine to medium SAND
26					
27					
28					
29					
30		Sonic	30	0.0	Dry, orange/brown, fine to coarse SAND, trace fine sub-angular Gravel
31					
32					
33					
34					
35		Sonic	67	0.0	0-30" Dry, orange/brown, medium to coarse SAND 30-40" Moist, orange/brown, fine to coarse SAND, little Silt
36					
37					
38					
39					
40		Sonic	0	NA	No Recovery
41					
42					
43					
44					
45		Sonic	80	0.0	0-30" Moist, brown, fine to coarse SAND 30-48" Wet, orange/brown, fine to medium SAND
46					
47					
48					
49					
50		Sonic	100	0.0	0-50" Wet, orange/brown, fine to medium SAND 50-60" Moist, orange/brown, fine SAND
51					
52					
53					
54					
55		Sonic	60	0.0	Moist, orange/brown, fine SAND, trace Silt
56					
57					
58					
59					
60					End of Boring at 60 ft bgs



SAMPLING METHOD
SS = SPLIT SPOON
A = AUGER CUTTINGS
C = CORED
WH = WEIGHT OF HAMMER (RODS)

Sonic drilled from 0 to 60 ft bgs

PARSONS
DRILLING RECORD

BORING/WELL ID: MW-10
Sheet 1 of 1

Contractor: Aquifer Drilling & Testing
Driller: Dave Moon
Inspector: Zohar Lavy
Rig Type: XL Max Sonic Rig

PROJECT NAME: Consolidated Edison - Former Ludlow Street Works
PROJECT NUMBER: 449395-01000

Location Description: Located approximately 50' north of MW-9 within the MTA property

Location Plan See Site Plan

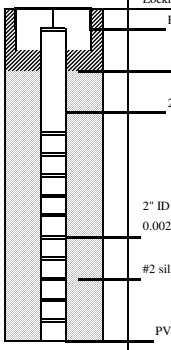
Weather: Clear, mid 70s
Date/Time Start: 05-14-2015/1140
Date/Time Finish: 05-14-2015/1400

GROUNDWATER OBSERVATIONS

Water Level	DTW	DTW 3.66		
Date		6-5-15		
Time		0845		
Meas. From		Top of Casing		

Sample Depth	Location/ Sample I.D.	SPT	Rec. (%)	PID (ppm)	FIELD IDENTIFICATION OF MATERIAL
+2					
+1					
0		Vac-tron/Sonic	NA	0.0	0-8" Coarse Bluestone GRAVEL and fine to coarse black SAND
1		Vac-tron/Sonic	NA	0.0	8"-3.5' Moist, orange/brown fine to medium SAND, little Cobble
2		Vac-tron/Sonic	NA	0.0	3.5-5' Wet, orange/brown fine to medium SAND, little Cobble
3		Vac-tron/Sonic	NA	0.0	
4		Vac-tron/Sonic	NA	0.0	
5					0-6" Wet, black fine to coarse SAND and fine to coarse angular to sub-angular GRAVEL
6					6-36" BOULDER
7		Sonic	70	0.0	36-42" Moist, grey, fine to medium SAND and COBBLE
8					
9					
10				0.0	0-12" Moist, grey, fine to medium SAND and COBBLE
11				0.5	12-48" Wet, red/brown medium SAND
12		Sonic	75		
13					
14					
15					Wet, red/brown medium SAND
16					
17		Sonic	40	0.0	
18					
19					
20				0.0	0-30" Wet, red/brown medium SAND
21				1.2	30-48" Wet, red/brown medium SAND, little Silt
22		Sonic	100	0.5	48-60" Wet, orange/tan, medium SAND
23					
24					
25					Wet, orange/tan, medium SAND, little fine to medium sub-angular to round Gravel
26					
27		Sonic	60	0.0	
28					
29					
30					0-36" Wet, orange/tan, medium SAND, trace coarse sub-angular Gravel, trace Cobble
31					36-48" Moist, orange/brown fine to medium SAND, some Silt, little fine to medium round sub-
32		Sonic	75	0.0	angular Gravel
33					
34					
35					Moist, orange/brown fine to medium SAND, some Silt, little fine to medium round sub-angular
36					Gravel
37		Sonic	67	0.0	
38					
39					
40					End of boring at 40' bgs

SCHEMATIC



COMMENTS

Hand cleared to 5' bgs, sonic drilled from 5' to 40' bgs

SAMPLING METHOD
SS = SPLIT SPOON
A = AUGER CUTTINGS
C = CORED
WH = WEIGHT OF HAMMER (RODS)

PARSONS
DRILLING RECORD

BORING/WELL ID: MW-11
Sheet 1 of 1

Contractor: Aquifer Drilling & Testing
Driller: Dave Moon
Inspector: Zohar Lavy
Rig Type: XL Max Sonic Rig

PROJECT NAME: Consolidated Edison - Former Ludlow Street Works
PROJECT NUMBER: 449395-01000

Location Description:
Located approximately 200' north of MW-9 within the MTA property

Weather: Clear, mid 70s
Date/Time Start: 05-14-2015/0915
Date/Time Finish: 05-14-2015/1100

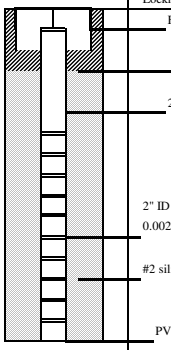
Location Plan
See Site Plan

GROUNDWATER OBSERVATIONS

Water Level	DTW	DTW		
		4.58		
Date		6-5-15		
Time		0850		
Meas. From		Top of Casing		

Sample Depth	Location/ Sample I.D.	SPT	Rec. (%)	PID (ppm)	FIELD IDENTIFICATION OF MATERIAL
+2					
+1					
0		Vac-tron/Sonic	NA	0.0	0-8" Coarse Bluestone GRAVEL and fine to coarse black SAND
1		Vac-tron/Sonic	NA	0.0	8"-3.5' Moist, dark brown fine to coarse SAND, some fine to medium sub-angular to sub-round
2		Vac-tron/Sonic	NA	0.0	3.5-5' Wet, dark brown fine to coarse SAND, some fine to medium sub-angular to sub-round Gravel
3		Vac-tron/Sonic	NA	0.0	
4		Vac-tron/Sonic	NA	0.0	
5					0-40" BOULDER
6					40-48" Wet, dark grey, fine to medium SAND and COBBLE
7		Sonic	75	0.0	
8					
9					
10					Wet, orange/brown fine to medium SAND, trace Silt
11					
12		Sonic	33	0.0	
13					
14					
15				0.0	0-12" Wet, orange/brown fine to medium SAND, trace Silt
16				1.6	12-40" Wet, orange/brown, medium SAND, trace Mica
17		Sonic	100		40-60" Wet, orange/brown, fine SAND, trace Mica
18					
19					
20					Wet, orange/brown, fine to medium SAND, trace coarse sub-angular Gravel
21					
22		Sonic	75	0.0	
23					
24					
25					Wet, orange/brown, fine to medium SAND, little Cobbletrace coarse sub-angular Gravel
26					
27		Sonic	30	0.0	
28					
29					
30					Wet, brown, fine to medium SAND, trace coarse sub-angular Gravel
31					
32		Sonic	40	0.0	
33					
34					
35					0-24" Wet, brown, fine to medium SAND, trace coarse sub-angular Gravel
36					24-32" Wet, brown, fine to medium SAND, little Silt, trace coarse sub-angular Gravel
37		Sonic	70		32-48" Moist, dark grey/brown, fine to medium SAND, some Silt, little fine to coarse round to sub-angular Gravel
38					
39					
40					End of boring at 40' bgs

SCHEMATIC



COMMENTS
Hand cleared to 5' bgs, sonic drilled from 5' to 40' bgs

SAMPLING METHOD
SS = SPLIT SPOON
A = AUGER CUTTINGS
C = CORED
WH = WEIGHT OF HAMMER (RODS)

DATA USABILITY SUMMARY REPORT

LUDLOW FORMER MGP SITE

SUPPLEMENTAL REMEDIAL INVESTIGATION

Prepared For:

CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.

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

Prepared By:

PARSONS

301 Plainfield Road, Suite 350
Syracuse, New York 13212
Phone: (315) 451-9560
Fax: (315) 451-9570

JULY 2014

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LIST OF ATTACHMENTS

SECTION 1

DATA USABILITY SUMMARY

Soil and groundwater samples were collected from the Consolidated Edison Ludlow Street Site from April 22, 2015 through June 5, 2015. Analytical results from these samples were validated and reviewed by Parsons for usability with respect to the following requirements:

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

The analytical laboratory for this project was Chemtech. This laboratory is certified to perform project analyses through 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 18-35 days for the project samples.

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

1.2 SAMPLING AND CHAIN-OF-CUSTODY

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

1.3 LABORATORY ANALYTICAL METHODS

The soil and groundwater samples that were collected from the site were analyzed for volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), metals, and cyanide. Summaries of issues concerning these laboratory analyses are presented in Subsections 1.3.1 through 1.3.3. 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

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

1.3.2 Semivolatile Organic Analysis

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

1.3.3 Inorganics Analysis

Soil and groundwater samples were analyzed for metals and cyanide using the USEPA SW-846 6010B/7470A/7471A/9012B and the USEPA 200.7/245.1 analytical methods. Certain reported results for the inorganics samples were qualified as estimated based upon matrix spike recoveries, serial dilutions, and field duplicate precision. The reported inorganic analytical results were considered 100% complete (i.e., usable) for the soil and groundwater data. PARCCS requirements were met.

SECTION 2

DATA VALIDATION REPORT

2.1 SOIL

Data review has been completed for data packages generated by Chemtech containing soil samples collected from the site. All of these samples were properly preserved, shipped under a COC record, and received intact by the analytical laboratory. The analytical results were presented by the laboratory in two sample delivery groups (SDGs): G2003 and G2278. Data validation was performed for all samples in accordance with the most current editions of the USEPA Region II SOPs for organic and inorganic data review. This data validation and usability report is presented by analysis type and the validated laboratory data are presented in Attachment A-1.

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 field 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 initial 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 acceptance limits for designated project spiked samples with the exception of the high MSD accuracy results for acetone, methyl-

tert-butyl ether, 2-butanone, 4-methyl-2-pentanone, and 1,2-dibromoethane and the high MS/MSD precision results for acetone, methyl-tert-butyl ether, methyl acetate, 2-butanone, 4-methyl-2-pentanone, 2-hexanone, and 1,4-dioxane during the spiked analyses of sample SB-18(48-50); and the high MS/MSD precision result for bromochloromethane during the spiked analyses of sample MW-11(16-18). Validation qualification of the parent samples was not required.

Blank Contamination

The field equipment blank FB042315 associated with samples in SDG G2003 contained methylene chloride below the reporting limit at a concentration of 2 µg/L. Validation qualification of the associated samples was not required since methylene chloride was not detected.

Initial and Continuing Calibrations

All initial calibration compounds were compliant with a minimum average relative response factor (RRF) of 0.05 and a maximum percent relative standard deviation (%RSD) of 20% with the exception of bromomethane (25%RSD, 23.4%RSD, 25.6%RSD) in the initial calibrations associated with all samples. The results for this compound which were nondetects were considered estimated and qualified "UJ" for the affected samples.

All continuing calibration compounds were compliant with a minimum RRF of 0.05 and a maximum percent difference (%D) within $\pm$20% with the exception of bromomethane (41.94%D) in the continuing calibration associated with sample FB042315. Therefore, the sample result for this compound which was nondetect was considered estimated and qualified "UJ" for the affected sample.

Usability

All volatile soil 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 soil data presented by Chemtech were 100% complete (i.e., usable). The validated volatile laboratory data are tabulated and presented in Attachment A-1.

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 field equipment blank contamination
- GC/MS instrument performance
- Initial and continuing calibrations
- Internal standard area counts and retention times
- Field duplicate precision
- Sample result verification and identification
- Quantitation limits
- Data completeness

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

Surrogate Recoveries

All sample surrogate recoveries were considered acceptable and within QC limits for all samples with the exception of the low recoveries for phenol-d6 (QC limit 34-127%R) and 2-fluorobiphenyl (39-123%R) in sample MW-11(16-18) (33%R and 37%R, respectively). Therefore, results associated with these surrogates which were nondetects were considered estimated, possibly biased low, and qualified "UJ" for this sample.

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/MSD accuracy results for benzaldehyde (8%R/9%R; QC limit 10-105%R) during the spiked analyses of sample SB-18(48-50); and the high precision result for 2,4-dinitrophenol (30%RPD; QC limit 0-20%RPD) during the spiked analyses of sample MW-11(16-18). Validation qualification of the parent samples was not required.

Initial and Continuing Calibrations

All initial calibration compounds were compliant with a minimum average relative response factor (RRF) of 0.05 and a maximum percent relative standard deviation (%RSD) of 20% with the exception of hexachlorocyclopentadiene (52.1%RSD) and pentachlorophenol (25.5%RSD) in the initial calibration associated with samples SB-19(54-55), PZ-1(50-55), and PZ-2(59-60); and benzaldehyde (21.9%RSD) in the initial calibration associated with samples in SDG G2278. The results for these compounds which were nondetects were considered estimated and qualified "UJ" for the affected samples.

All continuing calibration compounds were compliant with a minimum RRF of 0.05 and a maximum percent difference (%D) within $\pm$20% with the exception of 2-nitrophenol (60.8%D) and pentachlorophenol (26.3%D) in the continuing calibration associated with samples SB-18(48-50) and SB-118(48-50); and 2-nitrophenol (48.1%D), 2,4-dinitrophenol (53.1%D), 4,6-

dinitro-2-methylphenol (53.1%D) and pentachlorophenol (25.3%D) in the continuing calibration associated with samples SB-19(40-45) and PZ-2(45-47). Therefore, results for these compounds which were nondetects were considered estimated and qualified "UJ" for the affected samples.

Usability

All semivolatile soil 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 semivolatile soil data presented by Chemtech were 100% complete (i.e., usable). The validated semivolatile laboratory data are tabulated and presented in Attachment A-1.

2.1.3 Inorganics

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

- Custody documentation
- Holding times
- Initial and continuing calibration verifications
- Initial and continuing calibration blank, and laboratory preparation blank, and field equipment blank contamination
- Inductively coupled plasma (ICP) interference check sample (ICS)
- Matrix spike (MS) recoveries
- Laboratory duplicate precision
- Field duplicate precision
- Laboratory control sample (LCS) recoveries
- ICP serial dilutions
- 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 blank contamination, matrix spike recoveries, serial dilutions, and field duplicate precision as discussed below.

Blank Contamination

The field equipment blank FB042315 associated with samples in SDG G2003 contained aluminum, sodium, and calcium below the reporting limit at concentrations of 15.5, 181, and 84.2 µg/L, respectively; the laboratory method blank associated with sample FB042315 contained sodium below the reporting limit at a concentration of 18.1 µg/L; the laboratory method blank associated with soil samples in SDG G2003 contained aluminum, potassium, and sodium below the reporting limit at concentrations of 1.07, 5.18, and 21.6 mg/kg, respectively; and the laboratory method blank associated with samples in SDG G2278 contained potassium and sodium below the reporting limit at concentration of 5.9 and 15.9 mg/kg, respectively. Validation qualification of associated sample results was not required.

Matrix Spike Recoveries

All the MS recoveries for designated spiked project samples were within the 75-125%R QC limit with sample concentrations less than four times the spiking concentration with the exception of the high MS recoveries for potassium (153%R, 156%R) and zinc (146%R, 153%R) associated with sample SB-18(48-50). Therefore, positive results for potassium and zinc were considered estimated, possibly biased high, and qualified "J+" for the affected sample.

ICP Serial Dilutions

All serial dilution results for designated project samples were considered acceptable with a percent difference (%D) less than 10% for all ICP analytes with the exception of barium (14%D), calcium (14%D), chromium (14%D), copper (22%D), magnesium (12%D), manganese (17%D), potassium (12%D), and sodium (17%D) associated with sample SB-18(48-50); and sodium (14%D) associated with sample MW-11(16-18). Therefore, positive results for these analytes were considered estimated and qualified "J" for the affected samples.

Field Duplicate Precision

All field duplicate precision results were considered acceptable with the exception of the field duplicate precision for aluminum (88%RPD), arsenic (74%RPD), beryllium (102%RPD), cadmium (104%RPD), cobalt (83%RPD), copper (85%RPD), iron (82%RPD), lead (83%RPD), magnesium (53%RPD), manganese (69%RPD), potassium (107%RPD), sodium (63%RPD), vanadium (67%RPD), and zinc (88%RPD) associated with sample SB-18(48-50) and its field duplicate SB-118(48-50). Therefore, the results for these analytes were considered estimated and qualified "J" for the affected parent sample and field duplicate sample.

Usability

All inorganics soil 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 inorganics soil data presented by Chemtech were 100% complete (i.e., usable). The validated soil inorganics laboratory data are tabulated and presented in Attachment A-1.

2.2 GROUNDWATER

Data review has been completed for data packages generated by Chemtech containing 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. The analytical results were presented by the laboratory in one sample delivery group (SDG): G2556. Data validation was performed for all samples in accordance with the most current editions of the USEPA Region II SOPs for organic and inorganic data review. This data validation and usability report is presented by analysis type and the validated laboratory data are presented in Attachment A-2.

2.2.1 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 field equipment/trip 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 continuing calibrations as discussed below.

Continuing Calibrations

All continuing calibration compounds were compliant with a minimum average RRF of 0.05 and a maximum percent difference (%D) within $\pm$20% with the exception of 1,4-dioxane (57.51%D) in the continuing calibration associated with groundwater samples MW-10 and MW-111. Therefore, the sample results for this compound which was nondetect was considered estimated and qualified "UJ" for the affected samples.

Usability

All volatile groundwater sample results were considered usable following data validation.

Summary

The quality assurance objectives for measurement data included considerations for precision, accuracy, representativeness, completeness, comparability, and sensitivity. The volatile groundwater data presented by Chemtech were 100% complete (i.e., usable). The validated volatile laboratory data are tabulated and presented in Attachment A-2.

2.2.2 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 field 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 and blank contamination 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/MSD accuracy results for benzaldehyde, caprolactam, 1,2,4,5-tetrachlorobenzene, and 2,3,4,6-tetrachlorophenol and the high MS/MSD precision results for 4-chloroaniline, hexachlorocyclopentadiene, 3-nitroaniline, and 4-nitrophenol during the spiked analyses of sample MW-11. Validation qualification of the parent sample was not required.

Blank Contamination

The field equipment blank FB060515 associated with the groundwater samples contained bis(2-ethylhexyl)phthalate at a concentration of 140 µg/L. Validation qualification of the associated samples was not required since this compound was not detected.

Usability

All semivolatile groundwater 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 semivolatile groundwater data presented by Chemtech were 100% complete (i.e., usable). The validated semivolatile laboratory data are tabulated and presented in Attachment A-2.

2.2.3 Inorganics

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

- Custody documentation
- Holding times
- Initial and continuing calibration verifications
- Initial and continuing calibration blank, and laboratory preparation blank, and field equipment blank contamination
- Inductively coupled plasma (ICP) interference check sample (ICS)
- Matrix spike (MS) recoveries
- Laboratory duplicate precision
- Field duplicate precision
- Laboratory control sample (LCS) recoveries
- ICP serial dilutions
- 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 blank contamination, field duplicate precision, and serial dilutions as discussed below.

Blank Contamination

The field equipment blank FB060515 associated with the groundwater samples contained aluminum, calcium, mercury, potassium, sodium, and zinc below the reporting limit at concentrations of 8.88, 65.7, 0.124, 47.5, 245, and 6.04 µg/L, respectively; and the laboratory method blank associated with the groundwater samples contained aluminum and potassium below the reporting limit at concentrations of 7.42 and 18.3 µg/L. respectively. Validation qualification of the associated samples was not required.

Field Duplicate Precision

All field duplicate precision results were considered acceptable for the field duplicate pair MW-11 and MW-111 with the exception of the precision for aluminum (87%RPD) and iron (75%RPD). Therefore, the results for these analytes were considered estimated and qualified "J" for the affected parent sample and its field duplicate.

ICP Serial Dilutions

All serial dilution results for designated project samples were considered acceptable with a percent difference (%D) less than 10% for all ICP analytes with the exception of aluminum (22%D) and iron (16%D) associated with sample MW-11. Therefore, positive results for these analytes were considered estimated and qualified "J" for the affected sample.

Usability

All inorganics groundwater 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 inorganics groundwater data presented by Chemtech were 100% complete (i.e., usable). The validated groundwater inorganics laboratory data are tabulated and presented in Attachment A-2.

ATTACHMENT A

VALIDATED LABORATORY DATA

ATTACHMENT A-1

VALIDATED LABORATORY DATA FOR SOIL SAMPLES

Consolidated Edison Ludlow Street Site Validated 2015 Groundwater Analytical Data SDGs: G2003 and G2278		Location ID: Sample ID: Lab Sample Id: Depth: Source: SDG: Matrix: Sampled: Validated:	MW-10 MW-10(22-24)-20150514 G2278-05 22 - 24 ft CTECH G2278 SOIL 5/14/2015 12:00 6/24/2015	MW-10 MW-10(35-40)-20150514 G2278-06 35 - 40 ft CTECH G2278 SOIL 5/14/2015 12:15 6/24/2015	MW-11 MW-11(16-18)-20150514 G2278-01 16 - 18 ft CTECH G2278 SOIL 5/14/2015 9:45 6/24/2015	MW-11 MW-11(35-40)-20150514 G2278-04 35 - 40 ft CTECH G2278 SOIL 5/14/2015 10:05 6/24/2015
CAS NO.	COMPOUND	UNITS:				
	VOLATILES					
71-55-6	1,1,1-TRICHLOROETHANE	ug/kg	6.2 U	5.6 U	5.8 U	6 U
79-34-5	1,1,2,2-TETRACHLOROETHANE	ug/kg	6.2 U	5.6 U	5.8 U	6 U
76-13-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/kg	6.2 U	5.6 U	5.8 U	6 U
79-00-5	1,1,2-TRICHLOROETHANE	ug/kg	6.2 U	5.6 U	5.8 U	6 U
75-34-3	1,1-DICHLOROETHANE	ug/kg	6.2 U	5.6 U	5.8 U	6 U
75-35-4	1,1-DICHLOROETHENE	ug/kg	6.2 U	5.6 U	5.8 U	6 U
87-61-6	1,2,3-TRICHLOROBENZENE	ug/kg	6.2 U	5.6 U	5.8 U	6 U
120-82-1	1,2,4-TRICHLOROBENZENE	ug/kg	6.2 U	5.6 U	5.8 U	6 U
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	ug/kg	6.2 U	5.6 U	5.8 U	6 U
106-93-4	1,2-DIBROMOETHANE	ug/kg	6.2 U	5.6 U	5.8 U	6 U
95-50-1	1,2-DICHLOROBENZENE	ug/kg	6.2 U	5.6 U	5.8 U	6 U
107-06-2	1,2-DICHLOROETHANE	ug/kg	6.2 U	5.6 U	5.8 U	6 U
78-87-5	1,2-DICHLOROPROPANE	ug/kg	6.2 U	5.6 U	5.8 U	6 U
541-73-1	1,3-DICHLOROBENZENE	ug/kg	6.2 U	5.6 U	5.8 U	6 U
106-46-7	1,4-DICHLOROBENZENE	ug/kg	6.2 U	5.6 U	5.8 U	6 U
123-91-1	1,4-DIOXANE (P-DIOXANE)	ug/kg	120 U	110 U	120 U	120 U
591-78-6	2-HEXANONE	ug/kg	30.9 U	28 U	28.8 U	30 U
67-64-1	ACETONE	ug/kg	30.9 U	5.8 J	5.4 J	30 U
71-43-2	BENZENE	ug/kg	6.2 U	5.6 U	5.8 U	6 U
74-97-5	BROMOCHLOROMETHANE	ug/kg	6.2 U	5.6 U	5.8 U	6 U
75-27-4	BROMODICHLOROMETHANE	ug/kg	6.2 U	5.6 U	5.8 U	6 U
75-25-2	BROMOFORM	ug/kg	6.2 U	5.6 U	5.8 U	6 U
74-83-9	BROMOMETHANE	ug/kg	6.2 UJ	5.6 UJ	5.8 UJ	6 UJ
75-15-0	CARBON DISULFIDE	ug/kg	6.2 U	5.6 U	5.8 U	6 U
56-23-5	CARBON TETRACHLORIDE	ug/kg	6.2 U	5.6 U	5.8 U	6 U
108-90-7	CHLOROBENZENE	ug/kg	6.2 U	5.6 U	5.8 U	6 U
75-00-3	CHLOROETHANE	ug/kg	6.2 U	5.6 U	5.8 U	6 U
67-66-3	CHLOROFORM	ug/kg	6.2 U	5.6 U	5.8 U	6 U
74-87-3	CHLOROMETHANE	ug/kg	6.2 U	5.6 U	5.8 U	6 U
156-59-2	CIS-1,2-DICHLOROETHYLENE	ug/kg	6.2 U	5.6 U	5.8 U	6 U
10061-01-5	CIS-1,3-DICHLOROPROPENE	ug/kg	6.2 U	5.6 U	5.8 U	6 U
110-82-7	CYCLOHEXANE	ug/kg	6.2 U	5.6 U	5.8 U	6 U
124-48-1	DIBROMOCHLOROMETHANE	ug/kg	6.2 U	5.6 U	5.8 U	6 U
75-71-8	DICHLORODIFLUOROMETHANE	ug/kg	6.2 U	5.6 U	5.8 U	6 U
100-41-4	ETHYLBENZENE	ug/kg	6.2 U	5.6 U	5.8 U	6 U
98-82-8	ISOPROPYLBENZENE (CUMENE)	ug/kg	6.2 U	5.6 U	5.8 U	6 U
XYLMP	M,P-XYLENE (SUM OF ISOMERS)	ug/kg	12.4 U	11.2 U	11.5 U	12 U
79-20-9	METHYL ACETATE	ug/kg	6.2 U	5.6 U	5.8 U	6 U
78-93-3	METHYL ETHYL KETONE (2-BUTANONE)	ug/kg	30.9 U	28 U	28.8 U	30 U
108-10-1	METHYL ISOBUTYL KETONE	ug/kg	30.9 U	28 U	28.8 U	30 U
108-87-2	METHYLCYCLOHEXANE	ug/kg	6.2 U	5.6 U	5.8 U	6 U
75-09-2	METHYLENE CHLORIDE	ug/kg	2.7 J	2.7 J	2.6 J	2.8 J
95-47-6	O-XYLENE (1,2-DIMETHYLBENZENE)	ug/kg	6.2 U	5.6 U	5.8 U	6 U
100-42-5	STYRENE	ug/kg	6.2 U	5.6 U	5.8 U	6 U
1634-04-4	TERT-BUTYL METHYL ETHER	ug/kg	6.2 U	5.6 U	5.8 U	6 U
127-18-4	TETRACHLOROETHYLENE(PCE)	ug/kg	6.2 U	5.6 U	5.8 U	6 U
108-88-3	TOLUENE	ug/kg	6.2 U	5.6 U	5.8 U	6 U
156-60-5	TRANS-1,2-DICHLOROETHENE	ug/kg	6.2 U	5.6 U	5.8 U	6 U
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ug/kg	6.2 U	5.6 U	5.8 U	6 U
79-01-6	TRICHLOROETHYLENE (TCE)	ug/kg	6.2 U	5.6 U	5.8 U	6 U
75-69-4	TRICHLOROFLUOROMETHANE	ug/kg	6.2 U	5.6 U	5.8 U	6 U
75-01-4	VINYL CHLORIDE	ug/kg	6.2 U	5.6 U	5.8 U	6 U

Consolidated Edison Ludlow Street Site Validated 2015 Groundwater Analytical Data SDGs: G2003 and G2278		Location ID: Sample ID: Lab Sample Id: Depth: Source: SDG: Matrix: Sampled: Validated:	MW-10 MW-10(22-24)-20150514 G2278-05 22 - 24 ft CTECH G2278 SOIL 5/14/2015 12:00 6/24/2015	MW-10 MW-10(35-40)-20150514 G2278-06 35 - 40 ft CTECH G2278 SOIL 5/14/2015 12:15 6/24/2015	MW-11 MW-11(16-18)-20150514 G2278-01 16 - 18 ft CTECH G2278 SOIL 5/14/2015 9:45 6/24/2015	MW-11 MW-11(35-40)-20150514 G2278-04 35 - 40 ft CTECH G2278 SOIL 5/14/2015 10:05 6/24/2015
CAS NO.	COMPOUND	UNITS:				
	SEMIVOLATILES					
95-94-3	1,2,4,5-TETRACHLOROBENZENE	ug/kg	410 U	370 U	380 U	400 U
58-90-2	2,3,4,6-TETRACHLOROPHENOL	ug/kg	410 U	370 U	380 U	400 U
95-95-4	2,4,5-TRICHLOROPHENOL	ug/kg	410 U	370 U	380 U	400 U
88-06-2	2,4,6-TRICHLOROPHENOL	ug/kg	410 U	370 U	380 U	400 U
120-83-2	2,4-DICHLOROPHENOL	ug/kg	410 U	370 U	380 U	400 U
105-67-9	2,4-DIMETHYLPHENOL	ug/kg	410 U	370 U	380 U	400 U
51-28-5	2,4-DINITROPHENOL	ug/kg	410 U	370 U	380 U	400 U
121-14-2	2,4-DINITROTOLUENE	ug/kg	410 U	370 U	380 U	400 U
606-20-2	2,6-DINITROTOLUENE	ug/kg	410 U	370 U	380 U	400 U
91-58-7	2-CHLORONAPHTHALENE	ug/kg	410 U	370 U	380 U	400 U
95-57-8	2-CHLOROPHENOL	ug/kg	410 U	370 U	380 U	400 U
91-57-6	2-METHYLNAPHTHALENE	ug/kg	410 U	370 U	380 U	400 U
95-48-7	2-METHYLPHENOL (O-CRESOL)	ug/kg	410 U	370 U	380 U	400 U
88-74-4	2-NITROANILINE	ug/kg	410 U	370 U	380 U	400 U
88-75-5	2-NITROPHENOL	ug/kg	410 U	370 U	380 U	400 U
91-94-1	3,3'-DICHLOROBENZIDINE	ug/kg	410 U	370 U	380 U	400 U
MEPH3MEPH	3+4-Methylphenols	ug/kg	410 U	370 U	380 U	400 U
99-09-2	3-NITROANILINE	ug/kg	410 U	370 U	380 U	400 U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	ug/kg	410 U	370 U	380 U	400 U
101-55-3	4-BROMOPHENYL PHENYL ETHER	ug/kg	410 U	370 U	380 U	400 U
59-50-7	4-CHLORO-3-METHYLPHENOL	ug/kg	410 U	370 U	380 U	400 U
106-47-8	4-CHLOROANILINE	ug/kg	410 U	370 U	380 U	400 U
7005-72-3	4-CHLOROPHENYL PHENYL ETHER	ug/kg	410 U	370 U	380 U	400 U
100-01-6	4-NITROANILINE	ug/kg	410 U	370 U	380 U	400 U
100-02-7	4-NITROPHENOL	ug/kg	410 U	370 U	380 U	400 U
83-32-9	ACENAPHTHENE	ug/kg	410 U	370 U	380 U	400 U
208-96-8	ACENAPHTHYLENE	ug/kg	410 U	370 U	380 U	400 U
98-86-2	ACETOPHENONE	ug/kg	410 U	370 U	380 U	400 U
120-12-7	ANTHRACENE	ug/kg	410 U	370 U	380 U	400 U
1912-24-9	ATRAZINE	ug/kg	410 U	370 U	380 U	400 U
100-52-7	BENZALDEHYDE	ug/kg	410 UJ	370 UJ	380 UJ	400 UJ
56-55-3	BENZO(A)ANTHRACENE	ug/kg	410 U	370 U	380 U	400 U
50-32-8	BENZO(A)PYRENE	ug/kg	410 U	370 U	380 U	400 U
205-99-2	BENZO(B)FLUORANTHENE	ug/kg	410 U	370 U	380 U	400 U
191-24-2	BENZO(G,H,I)PERYLENE	ug/kg	410 U	370 U	380 U	400 U
207-08-9	BENZO(K)FLUORANTHENE	ug/kg	410 U	370 U	380 U	400 U
85-68-7	BENZYL BUTYL PHTHALATE	ug/kg	410 U	370 U	380 U	400 U
92-52-4	BIPHENYL (DIPHENYL)	ug/kg	410 U	370 U	380 U	400 U
111-91-1	BIS(2-CHLOROETHOXY) METHANE	ug/kg	410 U	370 U	380 U	400 U
111-44-4	BIS(2-CHLOROETHYL) ETHER	ug/kg	410 U	370 U	380 U	400 U
108-60-1	BIS(2-CHLOROISOPROPYL) ETHER	ug/kg	410 U	370 U	380 U	400 U
117-81-7	BIS(2-ETHYLHEXYL) PHTHALATE	ug/kg	410 U	370 U	380 U	400 U
105-60-2	CAPROLACTAM	ug/kg	410 U	370 U	380 U	400 U
86-74-8	CARBAZOLE	ug/kg	410 U	370 U	380 U	400 U
218-01-9	CHRYSENE	ug/kg	410 U	370 U	380 U	400 U
53-70-3	DIBENZ(A,H)ANTHRACENE	ug/kg	410 U	370 U	380 U	400 U
132-64-9	DIBENZOFURAN	ug/kg	410 U	370 U	380 U	400 U
84-66-2	DIETHYL PHTHALATE	ug/kg	410 U	370 U	380 U	400 U
131-11-3	DIMETHYL PHTHALATE	ug/kg	210 J	230 J	110 J	230 J
84-74-2	DI-N-BUTYL PHTHALATE	ug/kg	410 U	370 U	380 U	400 U
117-84-0	DI-N-OCTYLPHTHALATE	ug/kg	410 U	370 U	380 U	400 U
206-44-0	FLUORANTHENE	ug/kg	410 U	370 U	380 U	400 U
86-73-7	FLUORENE	ug/kg	410 U	370 U	380 U	400 U
118-74-1	HEXACHLOROBENZENE	ug/kg	410 U	370 U	380 U	400 U
87-68-3	HEXACHLOROBUTADIENE	ug/kg	410 U	370 U	380 U	400 U
77-47-4	HEXACHLOROCYCLOPENTADIENE	ug/kg	410 U	370 U	380 U	400 U
67-72-1	HEXACHLOROETHANE	ug/kg	410 U	370 U	380 U	400 U
193-39-5	INDENO(1,2,3-C,D)PYRENE	ug/kg	410 U	370 U	380 U	400 U
78-59-1	ISOPHORONE	ug/kg	410 U	370 U	380 U	400 U
91-20-3	NAPHTHALENE	ug/kg	410 U	370 U	380 U	400 U
98-95-3	NITROBENZENE	ug/kg	410 U	370 U	380 U	400 U
621-64-7	N-NITROSODI-N-PROPYLAMINE	ug/kg	410 U	370 U	380 U	400 U
86-30-6	N-NITROSODIPHENYLAMINE	ug/kg	410 U	370 U	380 U	400 U
87-86-5	PENTACHLOROPHENOL	ug/kg	410 U	370 U	380 U	400 U
85-01-8	PHENANTHRENE	ug/kg	410 U	370 U	380 U	400 U
108-95-2	PHENOL	ug/kg	410 U	370 U	380 UJ	400 U
129-00-0	PYRENE	ug/kg	410 U	370 U	380 U	400 U

Consolidated Edison Ludlow Street Site Validated 2015 Groundwater Analytical Data SDGs: G2003 and G2278		Location ID: Sample ID: Lab Sample Id: Depth: Source: SDG: Matrix: Sampled: Validated:	MW-10 MW-10(22-24)-20150514 G2278-05 22 - 24 ft CTECH G2278 SOIL 5/14/2015 12:00 6/24/2015	MW-10 MW-10(35-40)-20150514 G2278-06 35 - 40 ft CTECH G2278 SOIL 5/14/2015 12:15 6/24/2015	MW-11 MW-11(16-18)-20150514 G2278-01 16 - 18 ft CTECH G2278 SOIL 5/14/2015 9:45 6/24/2015	MW-11 MW-11(35-40)-20150514 G2278-04 35 - 40 ft CTECH G2278 SOIL 5/14/2015 10:05 6/24/2015
CAS NO.	COMPOUND	UNITS:				
	INORGANICS					
7429-90-5	ALUMINUM	mg/kg	3540	3390	2500	6950
7440-36-0	ANTIMONY	mg/kg	2.58 U	2.28 U	2.38 U	2.44 U
7440-38-2	ARSENIC	mg/kg	0.512 J	0.387 J	0.535 J	1.04
7440-39-3	BARIUM	mg/kg	104	38.2	21.8	85.4
7440-41-7	BERYLLIUM	mg/kg	0.306 J	0.237 J	0.23 J	0.523
7440-43-9	CADMIUM	mg/kg	0.309 U	0.274 U	0.286 U	0.293 U
7440-70-2	CALCIUM	mg/kg	694	4380	593	12800
7440-47-3	CHROMIUM, TOTAL	mg/kg	5.8	6.96	5.69	11.7
7440-48-4	COBALT	mg/kg	2.67	2.65	2.44	6.73
7440-50-8	COPPER	mg/kg	4.03	4.88	4.92	12.6
7439-89-6	IRON	mg/kg	5500	5530	5220	13400
7439-92-1	LEAD	mg/kg	3.07	2.85	2.85	12.1
7439-95-4	MAGNESIUM	mg/kg	1380	2640	1070	5700
7439-96-5	MANGANESE	mg/kg	126	239	69.8	326
7439-97-6	MERCURY	mg/kg	0.015 U	0.013 U	0.016 U	0.021
7440-02-0	NICKEL	mg/kg	5.76	6.15	5.56	15.6
7440-09-7	POTASSIUM	mg/kg	1290	1090	720	2060
7782-49-2	SELENIUM	mg/kg	1.03 U	0.913 U	0.952 U	0.976 U
7440-22-4	SILVER	mg/kg	0.526	0.5	0.48	1.34
7440-23-5	SODIUM	mg/kg	317	471	135 J	378
7440-28-0	THALLIUM	mg/kg	2.06 U	1.83 U	1.9 U	1.95 U
7440-62-2	VANADIUM	mg/kg	6.68	6.98	6.68	15.8
7440-66-6	ZINC	mg/kg	10.2	10.4	9.71	40.2
57-12-5	CYANIDE	mg/kg	0.306 U	0.108 J	0.277 U	0.283 U

Consolidated Edison Ludlow Street Site Validated 2015 Groundwater Analytical Data SDGs: G2003 and G2278		Location ID: Sample ID: Lab Sample Id: Depth: Source: SDG: Matrix: Sampled: Validated:	PZ-1 PZ-1(40-43)-20150423 G2003-08 40 - 43 ft CTECH G2003 SOIL 4/23/2015 8:30 6/24/2015	PZ-1 PZ-1(50-55)-20150423 G2003-09 50 - 55 ft CTECH G2003 SOIL 4/23/2015 9:05 6/24/2015	PZ-2 PZ-2(45-47)-20150423 G2003-10 45 - 47 ft CTECH G2003 SOIL 4/23/2015 13:45 6/24/2015	PZ-2 PZ-2(59-60)-20150423 G2003-11 59 - 60 ft CTECH G2003 SOIL 4/23/2015 13:55 6/24/2015
CAS NO.	COMPOUND	UNITS:				
	VOLATILES					
71-55-6	1,1,1-TRICHLOROETHANE	ug/kg	5.6 U	6 U	6 U	6.2 U
79-34-5	1,1,2,2-TETRACHLOROETHANE	ug/kg	5.6 U	6 U	6 U	6.2 U
76-13-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/kg	5.6 U	6 U	6 U	6.2 U
79-00-5	1,1,2-TRICHLOROETHANE	ug/kg	5.6 U	6 U	6 U	6.2 U
75-34-3	1,1-DICHLOROETHANE	ug/kg	5.6 U	6 U	6 U	6.2 U
75-35-4	1,1-DICHLOROETHENE	ug/kg	5.6 U	6 U	6 U	6.2 U
87-61-6	1,2,3-TRICHLOROBENZENE	ug/kg	5.6 U	6 U	6 U	6.2 U
120-82-1	1,2,4-TRICHLOROBENZENE	ug/kg	5.6 U	6 U	6 U	6.2 U
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	ug/kg	5.6 U	6 U	6 U	6.2 U
106-93-4	1,2-DIBROMOETHANE	ug/kg	5.6 U	6 U	6 U	6.2 U
95-50-1	1,2-DICHLOROBENZENE	ug/kg	5.6 U	6 U	6 U	6.2 U
107-06-2	1,2-DICHLOROETHANE	ug/kg	5.6 U	6 U	6 U	6.2 U
78-87-5	1,2-DICHLOROPROPANE	ug/kg	5.6 U	6 U	6 U	6.2 U
541-73-1	1,3-DICHLOROBENZENE	ug/kg	5.6 U	6 U	6 U	6.2 U
106-46-7	1,4-DICHLOROBENZENE	ug/kg	5.6 U	6 U	6 U	6.2 U
123-91-1	1,4-DIOXANE (P-DIOXANE)	ug/kg	110 U	120 U	120 U	120 U
591-78-6	2-HEXANONE	ug/kg	28.2 U	30.2 U	30.1 U	31 U
67-64-1	ACETONE	ug/kg	17.9 J	30.2 U	30.1 U	31 U
71-43-2	BENZENE	ug/kg	5.6 U	6 U	6 U	6.2 U
74-97-5	BROMOCHLOROMETHANE	ug/kg	5.6 U	6 U	6 U	6.2 U
75-27-4	BROMODICHLOROMETHANE	ug/kg	5.6 U	6 U	6 U	6.2 U
75-25-2	BROMOFORM	ug/kg	5.6 U	6 U	6 U	6.2 U
74-83-9	BROMOMETHANE	ug/kg	5.6 UJ	6 UJ	6 UJ	6.2 UJ
75-15-0	CARBON DISULFIDE	ug/kg	5.6 U	6 U	6 U	6.2 U
56-23-5	CARBON TETRACHLORIDE	ug/kg	5.6 U	6 U	6 U	6.2 U
108-90-7	CHLOROBENZENE	ug/kg	5.6 U	6 U	6 U	6.2 U
75-00-3	CHLOROETHANE	ug/kg	5.6 U	6 U	6 U	6.2 U
67-66-3	CHLOROFORM	ug/kg	5.6 U	6 U	6 U	6.2 U
74-87-3	CHLOROMETHANE	ug/kg	5.6 U	6 U	6 U	6.2 U
156-59-2	CIS-1,2-DICHLOROETHYLENE	ug/kg	5.6 U	6 U	6 U	6.2 U
10061-01-5	CIS-1,3-DICHLOROPROPENE	ug/kg	5.6 U	6 U	6 U	6.2 U
110-82-7	CYCLOHEXANE	ug/kg	5.6 U	6 U	6 U	6.2 U
124-48-1	DIBROMOCHLOROMETHANE	ug/kg	5.6 U	6 U	6 U	6.2 U
75-71-8	DICHLORODIFLUOROMETHANE	ug/kg	5.6 U	6 U	6 U	6.2 U
100-41-4	ETHYLBENZENE	ug/kg	5.6 U	6 U	6 U	6.2 U
98-82-8	ISOPROPYLBENZENE (CUMENE)	ug/kg	5.6 U	6 U	6 U	6.2 U
XYLMP	M,P-XYLENE (SUM OF ISOMERS)	ug/kg	11.3 U	12.1 U	12 U	12.4 U
79-20-9	METHYL ACETATE	ug/kg	5.6 U	6 U	6 U	6.2 U
78-93-3	METHYL ETHYL KETONE (2-BUTANONE)	ug/kg	28.2 U	30.2 U	30.1 U	31 U
108-10-1	METHYL ISOBUTYL KETONE	ug/kg	28.2 U	30.2 U	30.1 U	31 U
108-87-2	METHYLCYCLOHEXANE	ug/kg	5.6 U	6 U	6 U	6.2 U
75-09-2	METHYLENE CHLORIDE	ug/kg	5.6 U	6 U	6 U	6.2 U
95-47-6	O-XYLENE (1,2-DIMETHYLBENZENE)	ug/kg	5.6 U	6 U	6 U	6.2 U
100-42-5	STYRENE	ug/kg	5.6 U	6 U	6 U	6.2 U
1634-04-4	TERT-BUTYL METHYL ETHER	ug/kg	5.6 U	6 U	6 U	6.2 U
127-18-4	TETRACHLOROETHYLENE(PCE)	ug/kg	5.6 U	6 U	6 U	6.2 U
108-88-3	TOLUENE	ug/kg	5.6 U	6 U	6 U	6.2 U
156-60-5	TRANS-1,2-DICHLOROETHENE	ug/kg	5.6 U	6 U	6 U	6.2 U
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ug/kg	5.6 U	6 U	6 U	6.2 U
79-01-6	TRICHLOROETHYLENE (TCE)	ug/kg	5.6 U	6 U	6 U	6.2 U
75-69-4	TRICHLOROFLUOROMETHANE	ug/kg	5.6 U	6 U	6 U	6.2 U
75-01-4	VINYL CHLORIDE	ug/kg	5.6 U	6 U	6 U	6.2 U

Consolidated Edison Ludlow Street Site Validated 2015 Groundwater Analytical Data SDGs: G2003 and G2278		Location ID: Sample ID: Lab Sample Id: Depth: Source: SDG: Matrix: Sampled: Validated:	PZ-1 PZ-1(40-43)-20150423 G2003-08 40 - 43 ft CTECH G2003 SOIL 4/23/2015 8:30 6/24/2015	PZ-1 PZ-1(50-55)-20150423 G2003-09 50 - 55 ft CTECH G2003 SOIL 4/23/2015 9:05 6/24/2015	PZ-2 PZ-2(45-47)-20150423 G2003-10 45 - 47 ft CTECH G2003 SOIL 4/23/2015 13:45 6/24/2015	PZ-2 PZ-2(59-60)-20150423 G2003-11 59 - 60 ft CTECH G2003 SOIL 4/23/2015 13:55 6/24/2015
CAS NO.	COMPOUND	UNITS:				
	SEMIVOLATILES					
95-94-3	1,2,4,5-TETRACHLOROBENZENE	ug/kg	370 U	400 U	400 U	410 U
58-90-2	2,3,4,6-TETRACHLOROPHENOL	ug/kg	370 U	400 U	400 U	410 U
95-95-4	2,4,5-TRICHLOROPHENOL	ug/kg	370 U	400 U	400 U	410 U
88-06-2	2,4,6-TRICHLOROPHENOL	ug/kg	370 U	400 U	400 U	410 U
120-83-2	2,4-DICHLOROPHENOL	ug/kg	370 U	400 U	400 U	410 U
105-67-9	2,4-DIMETHYLPHENOL	ug/kg	370 U	400 U	400 U	410 U
51-28-5	2,4-DINITROPHENOL	ug/kg	370 U	400 U	400 UJ	410 U
121-14-2	2,4-DINITROTOLUENE	ug/kg	370 U	400 U	400 U	410 U
606-20-2	2,6-DINITROTOLUENE	ug/kg	370 U	400 U	400 U	410 U
91-58-7	2-CHLORONAPHTHALENE	ug/kg	370 U	400 U	400 U	410 U
95-57-8	2-CHLOROPHENOL	ug/kg	370 U	400 U	400 U	410 U
91-57-6	2-METHYLNAPHTHALENE	ug/kg	370 U	400 U	400 U	410 U
95-48-7	2-METHYLPHENOL (O-CRESOL)	ug/kg	370 U	400 U	400 U	410 U
88-74-4	2-NITROANILINE	ug/kg	370 U	400 U	400 U	410 U
88-75-5	2-NITROPHENOL	ug/kg	370 U	400 U	400 UJ	410 U
91-94-1	3,3'-DICHLOROBENZIDINE	ug/kg	370 U	400 U	400 U	410 U
MEPH3MEPH	3+4-Methylphenols	ug/kg	370 U	400 U	400 U	410 U
99-09-2	3-NITROANILINE	ug/kg	370 U	400 U	400 U	410 U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	ug/kg	370 U	400 U	400 UJ	410 U
101-55-3	4-BROMOPHENYL PHENYL ETHER	ug/kg	370 U	400 U	400 U	410 U
59-50-7	4-CHLORO-3-METHYLPHENOL	ug/kg	370 U	400 U	400 U	410 U
106-47-8	4-CHLOROANILINE	ug/kg	370 U	400 U	400 U	410 U
7005-72-3	4-CHLOROPHENYL PHENYL ETHER	ug/kg	370 U	400 U	400 U	410 U
100-01-6	4-NITROANILINE	ug/kg	370 U	400 U	400 U	410 U
100-02-7	4-NITROPHENOL	ug/kg	370 U	400 U	400 U	410 U
83-32-9	ACENAPHTHENE	ug/kg	370 U	400 U	400 U	410 U
208-96-8	ACENAPHTHYLENE	ug/kg	370 U	400 U	400 U	410 U
98-86-2	ACETOPHENONE	ug/kg	370 U	400 U	400 U	410 U
120-12-7	ANTHRACENE	ug/kg	370 U	400 U	400 U	410 U
1912-24-9	ATRAZINE	ug/kg	370 U	400 U	400 U	410 U
100-52-7	BENZALDEHYDE	ug/kg	370 U	400 U	400 U	410 U
56-55-3	BENZO(A)ANTHRACENE	ug/kg	370 U	400 U	400 U	410 U
50-32-8	BENZO(A)PYRENE	ug/kg	370 U	400 U	400 U	410 U
205-99-2	BENZO(B)FLUORANTHENE	ug/kg	370 U	400 U	400 U	410 U
191-24-2	BENZO(G,H,I)PERYLENE	ug/kg	370 U	400 U	400 U	410 U
207-08-9	BENZO(K)FLUORANTHENE	ug/kg	370 U	400 U	400 U	410 U
85-68-7	BENZYL BUTYL PHTHALATE	ug/kg	370 U	400 U	400 U	410 U
92-52-4	BIPHENYL (DIPHENYL)	ug/kg	370 U	400 U	400 U	410 U
111-91-1	BIS(2-CHLOROETHOXY) METHANE	ug/kg	370 U	400 U	400 U	410 U
111-44-4	BIS(2-CHLOROETHYL) ETHER	ug/kg	370 U	400 U	400 U	410 U
108-60-1	BIS(2-CHLOROISOPROPYL) ETHER	ug/kg	370 U	400 U	400 U	410 U
117-81-7	BIS(2-ETHYLHEXYL) PHTHALATE	ug/kg	370 U	400 U	400 U	410 U
105-60-2	CAPROLACTAM	ug/kg	370 U	400 U	400 U	410 U
86-74-8	CARBAZOLE	ug/kg	370 U	400 U	400 U	410 U
218-01-9	CHRYSENE	ug/kg	370 U	400 U	400 U	410 U
53-70-3	DIBENZ(A,H)ANTHRACENE	ug/kg	370 U	400 U	400 U	410 U
132-64-9	DIBENZOFURAN	ug/kg	370 U	400 U	400 U	410 U
84-66-2	DIETHYL PHTHALATE	ug/kg	370 U	400 U	400 U	410 U
131-11-3	DIMETHYL PHTHALATE	ug/kg	130 J	140 J	190 J	120 J
84-74-2	DI-N-BUTYL PHTHALATE	ug/kg	370 U	400 U	400 U	410 U
117-84-0	DI-N-OCTYLPHTHALATE	ug/kg	370 U	400 U	400 U	410 U
206-44-0	FLUORANTHENE	ug/kg	120 J	400 U	400 U	410 U
86-73-7	FLUORENE	ug/kg	370 U	400 U	400 U	410 U
118-74-1	HEXACHLOROBENZENE	ug/kg	370 U	400 U	400 U	410 U
87-68-3	HEXACHLOROBUTADIENE	ug/kg	370 U	400 U	400 U	410 U
77-47-4	HEXACHLOROCYCLOPENTADIENE	ug/kg	370 U	400 UJ	400 U	410 UJ
67-72-1	HEXACHLOROETHANE	ug/kg	370 U	400 U	400 U	410 U
193-39-5	INDENO(1,2,3-C,D)PYRENE	ug/kg	370 U	400 U	400 U	410 U
78-59-1	ISOPHORONE	ug/kg	370 U	400 U	400 U	410 U
91-20-3	NAPHTHALENE	ug/kg	370 U	400 U	400 U	410 U
98-95-3	NITROBENZENE	ug/kg	370 U	400 U	400 U	410 U
621-64-7	N-NITROSODI-N-PROPYLAMINE	ug/kg	370 U	400 U	400 U	410 U
86-30-6	N-NITROSODIPHENYLAMINE	ug/kg	370 U	400 U	400 U	410 U
87-86-5	PENTACHLOROPHENOL	ug/kg	370 U	400 UJ	400 UJ	410 UJ
85-01-8	PHENANTHRENE	ug/kg	370 U	400 U	400 U	410 U
108-95-2	PHENOL	ug/kg	100 J	150 J	160 J	410 U
129-00-0	PYRENE	ug/kg	110 J	400 U	400 U	410 U

Consolidated Edison Ludlow Street Site Validated 2015 Groundwater Analytical Data SDGs: G2003 and G2278		Location ID: Sample ID: Lab Sample Id: Depth: Source: SDG: Matrix: Sampled: Validated:	PZ-1 PZ-1(40-43)-20150423 G2003-08 40 - 43 ft CTECH G2003 SOIL 4/23/2015 8:30 6/24/2015	PZ-1 PZ-1(50-55)-20150423 G2003-09 50 - 55 ft CTECH G2003 SOIL 4/23/2015 9:05 6/24/2015	PZ-2 PZ-2(45-47)-20150423 G2003-10 45 - 47 ft CTECH G2003 SOIL 4/23/2015 13:45 6/24/2015	PZ-2 PZ-2(59-60)-20150423 G2003-11 59 - 60 ft CTECH G2003 SOIL 4/23/2015 13:55 6/24/2015
CAS NO.	COMPOUND	UNITS:				
	INORGANICS					
7429-90-5	ALUMINUM	mg/kg	10000	5110	3400	5010
7440-36-0	ANTIMONY	mg/kg	0.525 U	0.55 U	0.572 U	0.586 U
7440-38-2	ARSENIC	mg/kg	2.06	1.19	1.54	1.09
7440-39-3	BARIUM	mg/kg	85	53	86.8	55.7
7440-41-7	BERYLLIUM	mg/kg	0.388	0.446	0.376	0.466
7440-43-9	CADMIUM	mg/kg	0.991	0.37	0.272 J	0.371
7440-70-2	CALCIUM	mg/kg	6960	1460	2590	11700
7440-47-3	CHROMIUM, TOTAL	mg/kg	29.2	9.61	8.83	8.61
7440-48-4	COBALT	mg/kg	6.76	5.15	3.91	4.58
7440-50-8	COPPER	mg/kg	51.6	10.3	9.81	9.64
7439-89-6	IRON	mg/kg	18400	10600	8520	10500
7439-92-1	LEAD	mg/kg	83.9	6.33	10.35	6.48
7439-95-4	MAGNESIUM	mg/kg	3360	2220	1960	4970
7439-96-5	MANGANESE	mg/kg	249	355	175	300
7439-97-6	MERCURY	mg/kg	0.149	0.008 U	0.008 U	0.007 U
7440-02-0	NICKEL	mg/kg	17.6	12.7	8.68	10.38
7440-09-7	POTASSIUM	mg/kg	1630	1610	976	1500
7782-49-2	SELENIUM	mg/kg	0.234 U	0.245 U	0.255 U	0.261 U
7440-22-4	SILVER	mg/kg	0.525	0.306 J	0.219 J	0.304 J
7440-23-5	SODIUM	mg/kg	1020	279	134	191
7440-28-0	THALLIUM	mg/kg	0.253 U	0.265 U	0.276 U	0.282 U
7440-62-2	VANADIUM	mg/kg	22.6	12.1	11.7	11.6
7440-66-6	ZINC	mg/kg	84.2	21.6	17.7	22.9
57-12-5	CYANIDE	mg/kg	0.037 U	0.04 U	0.037 U	0.039 U

Consolidated Edison Ludlow Street Site Validated 2015 Groundwater Analytical Data SDGs: G2003 and G2278		Location ID: Sample ID: Lab Sample Id: Depth: Source: SDG: Matrix: Sampled: Validated:	SB-18 SB-18(40-42)-20150422 G2003-01 40 - 42 ft CTECH G2003 SOIL 4/22/2015 11:05 6/24/2015	SB-18 SB-18(48-50)-20150422 G2003-02 48 - 50 ft CTECH G2003 SOIL 4/22/2015 11:10 6/24/2015	Dup of SB-18(48-50)-20150422 SB-18 SB-118(48-50)-20150422 G2003-05 48 - 50 ft CTECH G2003 SOIL 4/22/2015 11:20 6/24/2015	SB-19 SB-19(40-45)-20150422 G2003-06 40 - 45 ft CTECH G2003 SOIL 4/22/2015 13:40 6/24/2015
CAS NO.	COMPOUND	UNITS:				
	VOLATILES					
71-55-6	1,1,1-TRICHLOROETHANE	ug/kg	5.5 U	5.9 U	6 U	5.3 U
79-34-5	1,1,2,2-TETRACHLOROETHANE	ug/kg	5.5 U	5.9 U	6 U	5.3 U
76-13-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/kg	5.5 U	5.9 U	6 U	5.3 U
79-00-5	1,1,2-TRICHLOROETHANE	ug/kg	5.5 U	5.9 U	6 U	5.3 U
75-34-3	1,1-DICHLOROETHANE	ug/kg	5.5 U	5.9 U	6 U	5.3 U
75-35-4	1,1-DICHLOROETHENE	ug/kg	5.5 U	5.9 U	6 U	5.3 U
87-61-6	1,2,3-TRICHLOROBENZENE	ug/kg	5.5 U	5.9 U	6 U	5.3 U
120-82-1	1,2,4-TRICHLOROBENZENE	ug/kg	5.5 U	5.9 U	6 U	5.3 U
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	ug/kg	5.5 U	5.9 U	6 U	5.3 U
106-93-4	1,2-DIBROMOETHANE	ug/kg	5.5 U	5.9 U	6 U	5.3 U
95-50-1	1,2-DICHLOROBENZENE	ug/kg	5.5 U	5.9 U	6 U	5.3 U
107-06-2	1,2-DICHLOROETHANE	ug/kg	5.5 U	5.9 U	6 U	5.3 U
78-87-5	1,2-DICHLOROPROPANE	ug/kg	5.5 U	5.9 U	6 U	5.3 U
541-73-1	1,3-DICHLOROBENZENE	ug/kg	5.5 U	5.9 U	6 U	5.3 U
106-46-7	1,4-DICHLOROBENZENE	ug/kg	5.5 U	5.9 U	6 U	5.3 U
123-91-1	1,4-DIOXANE (P-DIOXANE)	ug/kg	110 U	120 U	120 U	110 U
591-78-6	2-HEXANONE	ug/kg	27.5 U	29.7 U	29.8 U	26.6 U
67-64-1	ACETONE	ug/kg	16.7 J	5.5 J	29.8 U	22 J
71-43-2	BENZENE	ug/kg	5.5 U	5.9 U	6 U	5.3 U
74-97-5	BROMOCHLOROMETHANE	ug/kg	5.5 U	5.9 U	6 U	5.3 U
75-27-4	BROMODICHLOROMETHANE	ug/kg	5.5 U	5.9 U	6 U	5.3 U
75-25-2	BROMOFORM	ug/kg	5.5 U	5.9 U	6 U	5.3 U
74-83-9	BROMOMETHANE	ug/kg	5.5 UJ	5.9 UJ	6 UJ	5.3 UJ
75-15-0	CARBON DISULFIDE	ug/kg	5.5 U	5.9 U	6 U	5.3 U
56-23-5	CARBON TETRACHLORIDE	ug/kg	5.5 U	5.9 U	6 U	5.3 U
108-90-7	CHLOROBENZENE	ug/kg	5.5 U	5.9 U	6 U	5.3 U
75-00-3	CHLOROETHANE	ug/kg	5.5 U	5.9 U	6 U	5.3 U
67-66-3	CHLOROFORM	ug/kg	5.5 U	5.9 U	6 U	5.3 U
74-87-3	CHLOROMETHANE	ug/kg	5.5 U	5.9 U	6 U	5.3 U
156-59-2	CIS-1,2-DICHLOROETHYLENE	ug/kg	5.5 U	5.9 U	6 U	5.3 U
10061-01-5	CIS-1,3-DICHLOROPROPENE	ug/kg	5.5 U	5.9 U	6 U	5.3 U
110-82-7	CYCLOHEXANE	ug/kg	5.5 U	5.9 U	6 U	5.3 U
124-48-1	DIBROMOCHLOROMETHANE	ug/kg	5.5 U	5.9 U	6 U	5.3 U
75-71-8	DICHLORODIFLUOROMETHANE	ug/kg	5.5 U	5.9 U	6 U	5.3 U
100-41-4	ETHYLBENZENE	ug/kg	5.5 U	5.9 U	6 U	73.2
98-82-8	ISOPROPYLBENZENE (CUMENE)	ug/kg	5.5 U	5.9 U	6 U	52.4
XYLMP	M,P-XYLENE (SUM OF ISOMERS)	ug/kg	11 U	11.9 U	11.9 U	24.1
79-20-9	METHYL ACETATE	ug/kg	5.5 U	5.9 U	6 U	5.3 U
78-93-3	METHYL ETHYL KETONE (2-BUTANONE)	ug/kg	27.5 U	29.7 U	29.8 U	4.3 J
108-10-1	METHYL ISOBUTYL KETONE	ug/kg	27.5 U	29.7 U	29.8 U	26.6 U
108-87-2	METHYLCYCLOHEXANE	ug/kg	5.5 U	5.9 U	6 U	14.6
75-09-2	METHYLENE CHLORIDE	ug/kg	5.5 U	5.9 U	6 U	5.3 U
95-47-6	O-XYLENE (1,2-DIMETHYLBENZENE)	ug/kg	5.5 U	5.9 U	6 U	5.3 U
100-42-5	STYRENE	ug/kg	5.5 U	5.9 U	6 U	5.3 U
1634-04-4	TERT-BUTYL METHYL ETHER	ug/kg	5.5 U	5.9 U	6 U	5.3 U
127-18-4	TETRACHLOROETHYLENE(PCE)	ug/kg	5.5 U	5.9 U	6 U	5.3 U
108-88-3	TOLUENE	ug/kg	5.5 U	5.9 U	6 U	5.3 U
156-60-5	TRANS-1,2-DICHLOROETHENE	ug/kg	5.5 U	5.9 U	6 U	5.3 U
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ug/kg	5.5 U	5.9 U	6 U	5.3 U
79-01-6	TRICHLOROETHYLENE (TCE)	ug/kg	5.5 U	5.9 U	6 U	5.3 U
75-69-4	TRICHLOROFLUOROMETHANE	ug/kg	5.5 U	5.9 U	6 U	5.3 U
75-01-4	VINYL CHLORIDE	ug/kg	5.5 U	5.9 U	6 U	5.3 U

Consolidated Edison Ludlow Street Site Validated 2015 Groundwater Analytical Data SDGs: G2003 and G2278		Location ID: Sample ID: Lab Sample Id: Depth: Source: SDG: Matrix: Sampled: Validated:	SB-18 SB-18(40-42)-20150422 G2003-01 40 - 42 ft CTECH G2003 SOIL 4/22/2015 11:05 6/24/2015	SB-18 SB-18(48-50)-20150422 G2003-02 48 - 50 ft CTECH G2003 SOIL 4/22/2015 11:10 6/24/2015	Dup of SB-18(48-50)-20150422 SB-18 SB-118(48-50)-20150422 G2003-05 48 - 50 ft CTECH G2003 SOIL 4/22/2015 11:20 6/24/2015	SB-19 SB-19(40-45)-20150422 G2003-06 40 - 45 ft CTECH G2003 SOIL 4/22/2015 13:40 6/24/2015
CAS NO.	COMPOUND	UNITS:				
	SEMIVOLATILES					
95-94-3	1,2,4,5-TETRACHLOROBENZENE	ug/kg	720 U	390 U	390 U	350 U
58-90-2	2,3,4,6-TETRACHLOROPHENOL	ug/kg	720 U	390 U	390 U	350 U
95-95-4	2,4,5-TRICHLOROPHENOL	ug/kg	720 U	390 U	390 U	350 U
88-06-2	2,4,6-TRICHLOROPHENOL	ug/kg	720 U	390 U	390 U	350 U
120-83-2	2,4-DICHLOROPHENOL	ug/kg	720 U	390 U	390 U	350 U
105-67-9	2,4-DIMETHYLPHENOL	ug/kg	720 U	390 U	390 U	350 U
51-28-5	2,4-DINITROPHENOL	ug/kg	720 U	390 U	390 U	350 UJ
121-14-2	2,4-DINITROTOLUENE	ug/kg	720 U	390 U	390 U	350 U
606-20-2	2,6-DINITROTOLUENE	ug/kg	720 U	390 U	390 U	350 U
91-58-7	2-CHLORONAPHTHALENE	ug/kg	720 U	390 U	390 U	350 U
95-57-8	2-CHLOROPHENOL	ug/kg	720 U	390 U	390 U	350 U
91-57-6	2-METHYLNAPHTHALENE	ug/kg	720 U	390 U	390 U	1700
95-48-7	2-METHYLPHENOL (O-CRESOL)	ug/kg	720 U	390 U	390 U	350 U
88-74-4	2-NITROANILINE	ug/kg	720 U	390 U	390 U	350 U
88-75-5	2-NITROPHENOL	ug/kg	720 U	390 UJ	390 UJ	350 UJ
91-94-1	3,3'-DICHLOROBENZIDINE	ug/kg	720 U	390 U	390 U	350 U
MEPH3MEPH	3+4-Methylphenols	ug/kg	720 U	390 U	390 U	350 U
99-09-2	3-NITROANILINE	ug/kg	720 U	390 U	390 U	350 U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	ug/kg	720 U	390 U	390 U	350 UJ
101-55-3	4-BROMOPHENYL PHENYL ETHER	ug/kg	720 U	390 U	390 U	350 U
59-50-7	4-CHLORO-3-METHYLPHENOL	ug/kg	720 U	390 U	390 U	350 U
106-47-8	4-CHLOROANILINE	ug/kg	720 U	390 U	390 U	350 U
7005-72-3	4-CHLOROPHENYL PHENYL ETHER	ug/kg	720 U	390 U	390 U	350 U
100-01-6	4-NITROANILINE	ug/kg	720 U	390 U	390 U	350 U
100-02-7	4-NITROPHENOL	ug/kg	720 U	390 U	390 U	350 U
83-32-9	ACENAPHTHENE	ug/kg	720 U	390 U	390 U	350 U
208-96-8	ACENAPHTHYLENE	ug/kg	230 J	390 U	390 U	350 U
98-86-2	ACETOPHENONE	ug/kg	720 U	390 U	390 U	350 U
120-12-7	ANTHRACENE	ug/kg	570 J	390 U	390 U	350 U
1912-24-9	ATRAZINE	ug/kg	720 U	390 U	390 U	350 U
100-52-7	BENZALDEHYDE	ug/kg	720 U	390 U	390 U	350 U
56-55-3	BENZO(A)ANTHRACENE	ug/kg	1500	390 U	390 U	350 U
50-32-8	BENZO(A)PYRENE	ug/kg	1000	390 U	390 U	350 U
205-99-2	BENZO(B)FLUORANTHENE	ug/kg	1400	390 U	390 U	350 U
191-24-2	BENZO(G,H,I)PERYLENE	ug/kg	410 J	390 U	390 U	350 U
207-08-9	BENZO(K)FLUORANTHENE	ug/kg	540 J	390 U	390 U	350 U
85-68-7	BENZYL BUTYL PHTHALATE	ug/kg	720 U	390 U	390 U	350 U
92-52-4	BIPHENYL (DIPHENYL)	ug/kg	720 U	390 U	390 U	350 U
111-91-1	BIS(2-CHLOROETHOXY) METHANE	ug/kg	720 U	390 U	390 U	350 U
111-44-4	BIS(2-CHLOROETHYL) ETHER	ug/kg	720 U	390 U	390 U	350 U
108-60-1	BIS(2-CHLOROISOPROPYL) ETHER	ug/kg	720 U	390 U	390 U	350 U
117-81-7	BIS(2-ETHYLHEXYL) PHTHALATE	ug/kg	720 U	390 U	390 U	350 U
105-60-2	CAPROLACTAM	ug/kg	720 U	390 U	390 U	350 U
86-74-8	CARBAZOLE	ug/kg	180 J	390 U	390 U	350 U
218-01-9	CHRYSENE	ug/kg	1300	390 U	390 U	350 U
53-70-3	DIBENZ(A,H)ANTHRACENE	ug/kg	150 J	390 U	390 U	350 U
132-64-9	DIBENZOFURAN	ug/kg	250 J	390 U	390 U	350 U
84-66-2	DIETHYL PHTHALATE	ug/kg	720 U	390 U	390 U	350 U
131-11-3	DIMETHYL PHTHALATE	ug/kg	720 U	120 J	120 J	120 J
84-74-2	DI-N-BUTYL PHTHALATE	ug/kg	720 U	390 U	390 U	350 U
117-84-0	DI-N-OCTYLPHTHALATE	ug/kg	720 U	390 U	390 U	350 U
206-44-0	FLUORANTHENE	ug/kg	3200	390 U	390 U	87 J
86-73-7	FLUORENE	ug/kg	450 J	390 U	390 U	350 U
118-74-1	HEXACHLOROBENZENE	ug/kg	720 U	390 U	390 U	350 U
87-68-3	HEXACHLOROBUTADIENE	ug/kg	720 U	390 U	390 U	350 U
77-47-4	HEXACHLOROCYCLOPENTADIENE	ug/kg	720 U	390 U	390 U	350 U
67-72-1	HEXACHLOROETHANE	ug/kg	720 U	390 U	390 U	350 U
193-39-5	INDENO(1,2,3-C,D)PYRENE	ug/kg	450 J	390 U	390 U	350 U
78-59-1	ISOPHORONE	ug/kg	720 U	390 U	390 U	350 U
91-20-3	NAPHTHALENE	ug/kg	720 U	390 U	390 U	570
98-95-3	NITROBENZENE	ug/kg	720 U	390 U	390 U	350 U
621-64-7	N-NITROSODI-N-PROPYLAMINE	ug/kg	720 U	390 U	390 U	350 U
86-30-6	N-NITROSODIPHENYLAMINE	ug/kg	720 U	390 U	390 U	350 U
87-86-5	PENTACHLOROPHENOL	ug/kg	720 U	390 UJ	390 UJ	350 UJ
85-01-8	PHENANTHRENE	ug/kg	3300	390 U	390 U	110 J
108-95-2	PHENOL	ug/kg	720 U	130 J	130 J	83.8 J
129-00-0	PYRENE	ug/kg	2500	390 U	390 U	71.1 J

Consolidated Edison Ludlow Street Site Validated 2015 Groundwater Analytical Data SDGs: G2003 and G2278		Location ID: Sample ID: Lab Sample Id: Depth: Source: SDG: Matrix: Sampled: Validated:	SB-18 SB-18(40-42)-20150422 G2003-01 40 - 42 ft CTECH G2003 SOIL 4/22/2015 11:05 6/24/2015	SB-18 SB-18(48-50)-20150422 G2003-02 48 - 50 ft CTECH G2003 SOIL 4/22/2015 11:10 6/24/2015	Dup of SB-18(48-50)-20150422 SB-18 SB-118(48-50)-20150422 G2003-05 48 - 50 ft CTECH G2003 SOIL 4/22/2015 11:20 6/24/2015	SB-19 SB-19(40-45)-20150422 G2003-06 40 - 45 ft CTECH G2003 SOIL 4/22/2015 13:40 6/24/2015
CAS NO.	COMPOUND	UNITS:				
	INORGANICS					
7429-90-5	ALUMINUM	mg/kg	14500	6680 J	2590 J	3850
7440-36-0	ANTIMONY	mg/kg	0.524 U	0.554 U	0.554 U	0.499 U
7440-38-2	ARSENIC	mg/kg	1.95	2.17 J	0.993 J	1.21
7440-39-3	BARIUM	mg/kg	218	59.5 J	82.2	127
7440-41-7	BERYLLIUM	mg/kg	0.484	0.62 J	0.2 J	0.302
7440-43-9	CADMIUM	mg/kg	1.93	0.537 J	0.196 J	0.293
7440-70-2	CALCIUM	mg/kg	8010	2000 J	1000	6840
7440-47-3	CHROMIUM, TOTAL	mg/kg	43.6	11.9 J	11.3	20.3
7440-48-4	COBALT	mg/kg	13.3	8.12 J	3.36 J	3.34
7440-50-8	COPPER	mg/kg	21.7	16.3 J	6.59 J	8.18
7439-89-6	IRON	mg/kg	25400	15600 J	6500 J	7690
7439-92-1	LEAD	mg/kg	41.6	7.57 J	3.13 J	32.4
7439-95-4	MAGNESIUM	mg/kg	8490	3090 J	1790 J	3230
7439-96-5	MANGANESE	mg/kg	393	236 J	486 J	290
7439-97-6	MERCURY	mg/kg	0.037	0.01 J	0.008 U	0.052
7440-02-0	NICKEL	mg/kg	26.7	19.2	13.3	12.6
7440-09-7	POTASSIUM	mg/kg	6070	2020 J	612 J	1140
7782-49-2	SELENIUM	mg/kg	0.234 U	0.247 U	0.247 U	0.223 U
7440-22-4	SILVER	mg/kg	0.593	0.44 J	0.184 J	0.165 J
7440-23-5	SODIUM	mg/kg	869	236 J	123 J	259
7440-28-0	THALLIUM	mg/kg	0.253 U	0.267 U	0.267 U	0.24 U
7440-62-2	VANADIUM	mg/kg	38.8	16.7 J	8.32 J	9.49
7440-66-6	ZINC	mg/kg	79.2	33.3 J	12.9 J	20
57-12-5	CYANIDE	mg/kg	0.035 U	0.038 U	0.037 U	0.034 U

Consolidated Edison Ludlow Street Site Validated 2015 Groundwater Analytical Data SDGs: G2003 and G2278		Location ID: Sample ID: Lab Sample Id: Depth: Source: SDG: Matrix: Sampled: Validated:	SB-19 SB-19(54-55)-20150422 G2003-07 54 - 55 ft CTECH G2003 SOIL 4/22/2015 14:00 6/24/2015	FIELDQC FB042315-20150423 G2003-12 - CTECH G2003 SOIL 4/23/2015 14:45 6/24/2015
CAS NO.	COMPOUND	UNITS:		ug/L
	VOLATILES			
71-55-6	1,1,1-TRICHLOROETHANE	ug/kg	5.6 U	5 U
79-34-5	1,1,2,2-TETRACHLOROETHANE	ug/kg	5.6 U	5 U
76-13-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/kg	5.6 U	5 U
79-00-5	1,1,2-TRICHLOROETHANE	ug/kg	5.6 U	5 U
75-34-3	1,1-DICHLOROETHANE	ug/kg	5.6 U	5 U
75-35-4	1,1-DICHLOROETHENE	ug/kg	5.6 U	5 U
87-61-6	1,2,3-TRICHLOROBENZENE	ug/kg	5.6 U	5 U
120-82-1	1,2,4-TRICHLOROBENZENE	ug/kg	5.6 U	5 U
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	ug/kg	5.6 U	5 U
106-93-4	1,2-DIBROMOETHANE	ug/kg	5.6 U	5 U
95-50-1	1,2-DICHLOROBENZENE	ug/kg	5.6 U	5 U
107-06-2	1,2-DICHLOROETHANE	ug/kg	5.6 U	5 U
78-87-5	1,2-DICHLOROPROPANE	ug/kg	5.6 U	5 U
541-73-1	1,3-DICHLOROBENZENE	ug/kg	5.6 U	5 U
106-46-7	1,4-DICHLOROBENZENE	ug/kg	5.6 U	5 U
123-91-1	1,4-DIOXANE (P-DIOXANE)	ug/kg	110 U	100 U
591-78-6	2-HEXANONE	ug/kg	27.9 U	25 U
67-64-1	ACETONE	ug/kg	6.8 J	25 U
71-43-2	BENZENE	ug/kg	5.6 U	5 U
74-97-5	BROMOCHLOROMETHANE	ug/kg	5.6 U	5 U
75-27-4	BROMODICHLOROMETHANE	ug/kg	5.6 U	5 U
75-25-2	BROMOFORM	ug/kg	5.6 U	5 U
74-83-9	BROMOMETHANE	ug/kg	5.6 UJ	5 UJ
75-15-0	CARBON DISULFIDE	ug/kg	5.6 U	5 U
56-23-5	CARBON TETRACHLORIDE	ug/kg	5.6 U	5 U
108-90-7	CHLOROBENZENE	ug/kg	5.6 U	5 U
75-00-3	CHLOROETHANE	ug/kg	5.6 U	5 U
67-66-3	CHLOROFORM	ug/kg	5.6 U	5 U
74-87-3	CHLOROMETHANE	ug/kg	5.6 U	5 U
156-59-2	CIS-1,2-DICHLOROETHYLENE	ug/kg	5.6 U	5 U
10061-01-5	CIS-1,3-DICHLOROPROPENE	ug/kg	5.6 U	5 U
110-82-7	CYCLOHEXANE	ug/kg	5.6 U	5 U
124-48-1	DIBROMOCHLOROMETHANE	ug/kg	5.6 U	5 U
75-71-8	DICHLORODIFLUOROMETHANE	ug/kg	5.6 U	5 U
100-41-4	ETHYLBENZENE	ug/kg	5.6 U	5 U
98-82-8	ISOPROPYLBENZENE (CUMENE)	ug/kg	5.6 U	5 U
XYLMP	M,P-XYLENE (SUM OF ISOMERS)	ug/kg	11.1 U	10 U
79-20-9	METHYL ACETATE	ug/kg	5.6 U	5 U
78-93-3	METHYL ETHYL KETONE (2-BUTANONE)	ug/kg	27.9 U	25 U
108-10-1	METHYL ISOBUTYL KETONE	ug/kg	27.9 U	25 U
108-87-2	METHYLCYCLOHEXANE	ug/kg	5.6 U	5 U
75-09-2	METHYLENE CHLORIDE	ug/kg	5.6 U	2.9 J
95-47-6	O-XYLENE (1,2-DIMETHYLBENZENE)	ug/kg	5.6 U	5 U
100-42-5	STYRENE	ug/kg	5.6 U	5 U
1634-04-4	TERT-BUTYL METHYL ETHER	ug/kg	5.6 U	5 U
127-18-4	TETRACHLOROETHYLENE(PCE)	ug/kg	5.6 U	5 U
108-88-3	TOLUENE	ug/kg	5.6 U	5 U
156-60-5	TRANS-1,2-DICHLOROETHENE	ug/kg	5.6 U	5 U
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ug/kg	5.6 U	5 U
79-01-6	TRICHLOROETHYLENE (TCE)	ug/kg	5.6 U	5 U
75-69-4	TRICHLOROFLUOROMETHANE	ug/kg	5.6 U	5 U
75-01-4	VINYL CHLORIDE	ug/kg	5.6 U	5 U

Consolidated Edison Ludlow Street Site Validated 2015 Groundwater Analytical Data SDGs: G2003 and G2278		Location ID: Sample ID: Lab Sample Id: Depth: Source: SDG: Matrix: Sampled: Validated:	SB-19 SB-19(54-55)-20150422 G2003-07 54 - 55 ft CTECH G2003 SOIL 4/22/2015 14:00 6/24/2015	FIELDQC FB042315-20150423 G2003-12 - CTECH G2003 SOIL 4/23/2015 14:45 6/24/2015
CAS NO.	COMPOUND	UNITS:		ug/L
	SEMIVOLATILES			
95-94-3	1,2,4,5-TETRACHLOROBENZENE	ug/kg	370 U	10 U
58-90-2	2,3,4,6-TETRACHLOROPHENOL	ug/kg	370 U	10 U
95-95-4	2,4,5-TRICHLOROPHENOL	ug/kg	370 U	10 U
88-06-2	2,4,6-TRICHLOROPHENOL	ug/kg	370 U	10 U
120-83-2	2,4-DICHLOROPHENOL	ug/kg	370 U	10 U
105-67-9	2,4-DIMETHYLPHENOL	ug/kg	370 U	10 U
51-28-5	2,4-DINITROPHENOL	ug/kg	370 U	10 U
121-14-2	2,4-DINITROTOLUENE	ug/kg	370 U	10 U
606-20-2	2,6-DINITROTOLUENE	ug/kg	370 U	10 U
91-58-7	2-CHLORONAPHTHALENE	ug/kg	370 U	10 U
95-57-8	2-CHLOROPHENOL	ug/kg	370 U	10 U
91-57-6	2-METHYLNAPHTHALENE	ug/kg	370 U	10 U
95-48-7	2-METHYLPHENOL (O-CRESOL)	ug/kg	370 U	10 U
88-74-4	2-NITROANILINE	ug/kg	370 U	10 U
88-75-5	2-NITROPHENOL	ug/kg	370 U	10 U
91-94-1	3,3'-DICHLOROBENZIDINE	ug/kg	370 U	10 U
MEPH3MEPH	3+4-Methylphenols	ug/kg	370 U	10 U
99-09-2	3-NITROANILINE	ug/kg	370 U	10 U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	ug/kg	370 U	10 U
101-55-3	4-BROMOPHENYL PHENYL ETHER	ug/kg	370 U	10 U
59-50-7	4-CHLORO-3-METHYLPHENOL	ug/kg	370 U	10 U
106-47-8	4-CHLOROANILINE	ug/kg	370 U	10 U
7005-72-3	4-CHLOROPHENYL PHENYL ETHER	ug/kg	370 U	10 U
100-01-6	4-NITROANILINE	ug/kg	370 U	10 U
100-02-7	4-NITROPHENOL	ug/kg	370 U	10 U
83-32-9	ACENAPHTHENE	ug/kg	370 U	10 U
208-96-8	ACENAPHTHYLENE	ug/kg	370 U	10 U
98-86-2	ACETOPHENONE	ug/kg	370 U	10 U
120-12-7	ANTHRACENE	ug/kg	370 U	10 U
1912-24-9	ATRAZINE	ug/kg	370 U	10 U
100-52-7	BENZALDEHYDE	ug/kg	370 U	10 U
56-55-3	BENZO(A)ANTHRACENE	ug/kg	370 U	10 U
50-32-8	BENZO(A)PYRENE	ug/kg	370 U	10 U
205-99-2	BENZO(B)FLUORANTHENE	ug/kg	370 U	10 U
191-24-2	BENZO(G,H,I)PERYLENE	ug/kg	370 U	10 U
207-08-9	BENZO(K)FLUORANTHENE	ug/kg	370 U	10 U
85-68-7	BENZYL BUTYL PHTHALATE	ug/kg	370 U	10 U
92-52-4	BIPHENYL (DIPHENYL)	ug/kg	370 U	10 U
111-91-1	BIS(2-CHLOROETHOXY) METHANE	ug/kg	370 U	10 U
111-44-4	BIS(2-CHLOROETHYL) ETHER	ug/kg	370 U	10 U
108-60-1	BIS(2-CHLOROISOPROPYL) ETHER	ug/kg	370 U	10 U
117-81-7	BIS(2-ETHYLHEXYL) PHTHALATE	ug/kg	370 U	10 U
105-60-2	CAPROLACTAM	ug/kg	370 U	10 U
86-74-8	CARBAZOLE	ug/kg	370 U	10 U
218-01-9	CHRYSENE	ug/kg	370 U	10 U
53-70-3	DIBENZ(A,H)ANTHRACENE	ug/kg	370 U	10 U
132-64-9	DIBENZOFURAN	ug/kg	370 U	10 U
84-66-2	DIETHYL PHTHALATE	ug/kg	370 U	10 U
131-11-3	DIMETHYL PHTHALATE	ug/kg	130 J	10 U
84-74-2	DI-N-BUTYL PHTHALATE	ug/kg	370 U	10 U
117-84-0	DI-N-OCTYLPHTHALATE	ug/kg	370 U	10 U
206-44-0	FLUORANTHENE	ug/kg	370 U	10 U
86-73-7	FLUORENE	ug/kg	370 U	10 U
118-74-1	HEXACHLOROBENZENE	ug/kg	370 U	10 U
87-68-3	HEXACHLOROBUTADIENE	ug/kg	370 U	10 U
77-47-4	HEXACHLOROCYCLOPENTADIENE	ug/kg	370 UJ	10 U
67-72-1	HEXACHLOROETHANE	ug/kg	370 U	10 U
193-39-5	INDENO(1,2,3-C,D)PYRENE	ug/kg	370 U	10 U
78-59-1	ISOPHORONE	ug/kg	370 U	10 U
91-20-3	NAPHTHALENE	ug/kg	370 U	10 U
98-95-3	NITROBENZENE	ug/kg	370 U	10 U
621-64-7	N-NITROSODI-N-PROPYLAMINE	ug/kg	370 U	10 U
86-30-6	N-NITROSODIPHENYLAMINE	ug/kg	370 U	10 U
87-86-5	PENTACHLOROPHENOL	ug/kg	370 UJ	10 U
85-01-8	PHENANTHRENE	ug/kg	370 U	10 U
108-95-2	PHENOL	ug/kg	140 J	10 U
129-00-0	PYRENE	ug/kg	370 U	10 U

Consolidated Edison Ludlow Street Site Validated 2015 Groundwater Analytical Data SDGs: G2003 and G2278		Location ID: Sample ID: Lab Sample Id: Depth: Source: SDG: Matrix: Sampled: Validated:	SB-19 SB-19(54-55)-20150422 G2003-07 54 - 55 ft CTECH G2003 SOIL 4/22/2015 14:00 6/24/2015	FIELDQC FB042315-20150423 G2003-12 - CTECH G2003 SOIL 4/23/2015 14:45 6/24/2015
CAS NO.	COMPOUND	UNITS:		ug/L
	INORGANICS			
7429-90-5	ALUMINUM	mg/kg	3850	15.5 J
7440-36-0	ANTIMONY	mg/kg	0.529 U	6.25 U
7440-38-2	ARSENIC	mg/kg	1.13	2.5 U
7440-39-3	BARIUM	mg/kg	50.9	4 U
7440-41-7	BERYLLIUM	mg/kg	0.313	0.7 U
7440-43-9	CADMIUM	mg/kg	0.306	0.5 U
7440-70-2	CALCIUM	mg/kg	3880	84.2 J
7440-47-3	CHROMIUM, TOTAL	mg/kg	8.62	1.1 U
7440-48-4	COBALT	mg/kg	4.21	3.75 U
7440-50-8	COPPER	mg/kg	9.76	2 U
7439-89-6	IRON	mg/kg	9170	12.5 U
7439-92-1	LEAD	mg/kg	3.78	1.5 U
7439-95-4	MAGNESIUM	mg/kg	4320	32.5 U
7439-96-5	MANGANESE	mg/kg	211	1.7 U
7439-97-6	MERCURY	mg/kg	0.007 U	0.1 U
7440-02-0	NICKEL	mg/kg	13	4.2 U
7440-09-7	POTASSIUM	mg/kg	894	38.8 U
7782-49-2	SELENIUM	mg/kg	0.236 U	4.8 U
7440-22-4	SILVER	mg/kg	0.25 J	1.25 U
7440-23-5	SODIUM	mg/kg	159	181 J
7440-28-0	THALLIUM	mg/kg	0.255 U	2.4 U
7440-62-2	VANADIUM	mg/kg	12.6	5 U
7440-66-6	ZINC	mg/kg	15.8	5 U
57-12-5	CYANIDE	mg/kg	0.035 U	3 U

ATTACHMENT A-2

VALIDATED LABORATORY DATA FOR GROUNDWATER SAMPLES

Consolidated Edison Ludlow Street Site Validated Groundwater Analytical Data		Location ID: Sample ID: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated:	MW-10 MW-10-20150605 G2556-04 CTECH G2556 WATER 6/5/2015 10:20 7/2/2015	MW-11 MW-11-20150605 G2556-01 CTECH G2556 WATER 6/5/2015 9:35 7/2/2015	Dup of MW-11-20150605 MW-11 MW-111-20150605 G2556-05 CTECH G2556 WATER 6/5/2015 9:35 7/2/2015
CAS NO.	COMPOUND	UNITS:			
	VOLATILES				
71-55-6	1,1,1-TRICHLOROETHANE	ug/l	5 U	5 U	5 U
79-34-5	1,1,2,2-TETRACHLOROETHANE	ug/l	5 U	5 U	5 U
76-13-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	5 U	5 U	5 U
79-00-5	1,1,2-TRICHLOROETHANE	ug/l	5 U	5 U	5 U
75-34-3	1,1-DICHLOROETHANE	ug/l	5 U	5 U	5 U
75-35-4	1,1-DICHLOROETHENE	ug/l	5 U	5 U	5 U
87-61-6	1,2,3-TRICHLOROBENZENE	ug/l	5 U	5 U	5 U
120-82-1	1,2,4-TRICHLOROBENZENE	ug/l	5 U	5 U	5 U
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	ug/l	5 U	5 U	5 U
106-93-4	1,2-DIBROMOETHANE	ug/l	5 U	5 U	5 U
95-50-1	1,2-DICHLOROBENZENE	ug/l	5 U	5 U	5 U
107-06-2	1,2-DICHLOROETHANE	ug/l	5 U	5 U	5 U
78-87-5	1,2-DICHLOROPROPANE	ug/l	5 U	5 U	5 U
541-73-1	1,3-DICHLOROBENZENE	ug/l	5 U	5 U	5 U
106-46-7	1,4-DICHLOROBENZENE	ug/l	5 U	5 U	5 U
123-91-1	1,4-DIOXANE (P-DIOXANE)	ug/l	100 UJ	100 U	100 UJ
591-78-6	2-HEXANONE	ug/l	25 U	25 U	25 U
67-64-1	ACETONE	ug/l	25 U	25 U	25 U
71-43-2	BENZENE	ug/l	5 U	5 U	5 U
74-97-5	BROMOCHLOROMETHANE	ug/l	5 U	5 U	5 U
75-27-4	BROMODICHLOROMETHANE	ug/l	5 U	5 U	5 U
75-25-2	BROMOFORM	ug/l	5 U	5 U	5 U
74-83-9	BROMOMETHANE	ug/l	5 U	5 U	5 U
75-15-0	CARBON DISULFIDE	ug/l	5 U	5 U	5 U
56-23-5	CARBON TETRACHLORIDE	ug/l	5 U	5 U	5 U
108-90-7	CHLOROBENZENE	ug/l	5 U	5 U	5 U
75-00-3	CHLOROETHANE	ug/l	5 U	5 U	5 U
67-66-3	CHLOROFORM	ug/l	5 U	5 U	5 U
74-87-3	CHLOROMETHANE	ug/l	5 U	5 U	5 U
156-59-2	CIS-1,2-DICHLOROETHYLENE	ug/l	5 U	5 U	5 U
10061-01-5	CIS-1,3-DICHLOROPROPENE	ug/l	5 U	5 U	5 U
110-82-7	CYCLOHEXANE	ug/l	5 U	5 U	5 U
124-48-1	DIBROMOCHLOROMETHANE	ug/l	5 U	5 U	5 U
75-71-8	DICHLORODIFLUOROMETHANE	ug/l	5 U	5 U	5 U
100-41-4	ETHYLBENZENE	ug/l	5 U	5 U	5 U
98-82-8	ISOPROPYLBENZENE (CUMENE)	ug/l	5 U	5 U	5 U
XYLMP	M,P-XYLENE (SUM OF ISOMERS)	ug/l	10 U	10 U	10 U
79-20-9	METHYL ACETATE	ug/l	5 U	5 U	5 U
78-93-3	METHYL ETHYL KETONE (2-BUTANONE)	ug/l	25 U	25 U	25 U
108-10-1	METHYL ISOBUTYL KETONE	ug/l	25 U	25 U	25 U
108-87-2	METHYLCYCLOHEXANE	ug/l	5 U	5 U	5 U
75-09-2	METHYLENE CHLORIDE	ug/l	5 U	5 U	5 U
95-47-6	O-XYLENE (1,2-DIMETHYLBENZENE)	ug/l	5 U	5 U	5 U
100-42-5	STYRENE	ug/l	5 U	5 U	5 U
1634-04-4	TERT-BUTYL METHYL ETHER	ug/l	5 U	5 U	5 U
127-18-4	TETRACHLOROETHYLENE(PCE)	ug/l	5 U	5 U	5 U
108-88-3	TOLUENE	ug/l	5 U	5 U	5 U
156-60-5	TRANS-1,2-DICHLOROETHENE	ug/l	5 U	5 U	5 U
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ug/l	5 U	5 U	5 U
79-01-6	TRICHLOROETHYLENE (TCE)	ug/l	5 U	5 U	5 U
75-69-4	TRICHLOROFLUOROMETHANE	ug/l	5 U	5 U	5 U
75-01-4	VINYL CHLORIDE	ug/l	5 U	5 U	5 U

Consolidated Edison Ludlow Street Site Validated Groundwater Analytical Data		Location ID: Sample ID: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated:	MW-10 MW-10-20150605 G2556-04 CTECH G2556 WATER 6/5/2015 10:20 7/2/2015	MW-11 MW-11-20150605 G2556-01 CTECH G2556 WATER 6/5/2015 9:35 7/2/2015	Dup of MW-11-20150605 MW-11 MW-111-20150605 G2556-05 CTECH G2556 WATER 6/5/2015 9:35 7/2/2015
CAS NO.	COMPOUND	UNITS:			
	SEMIVOLATILES				
95-94-3	1,2,4,5-TETRACHLOROBENZENE	ug/l	10.3 U	10.2 U	10.1 U
58-90-2	2,3,4,6-TETRACHLOROPHENOL	ug/l	10.3 U	10.2 U	10.1 U
95-95-4	2,4,5-TRICHLOROPHENOL	ug/l	10.3 U	10.2 U	10.1 U
88-06-2	2,4,6-TRICHLOROPHENOL	ug/l	10.3 U	10.2 U	10.1 U
120-83-2	2,4-DICHLOROPHENOL	ug/l	10.3 U	10.2 U	10.1 U
105-67-9	2,4-DIMETHYLPHENOL	ug/l	10.3 U	10.2 U	10.1 U
51-28-5	2,4-DINITROPHENOL	ug/l	10.3 U	10.2 U	10.1 U
121-14-2	2,4-DINITROTOLUENE	ug/l	10.3 U	10.2 U	10.1 U
606-20-2	2,6-DINITROTOLUENE	ug/l	10.3 U	10.2 U	10.1 U
91-58-7	2-CHLORONAPHTHALENE	ug/l	10.3 U	10.2 U	10.1 U
95-57-8	2-CHLOROPHENOL	ug/l	10.3 U	10.2 U	10.1 U
91-57-6	2-METHYLNAPHTHALENE	ug/l	10.3 U	10.2 U	10.1 U
95-48-7	2-METHYLPHENOL (O-CRESOL)	ug/l	10.3 U	10.2 U	10.1 U
88-74-4	2-NITROANILINE	ug/l	10.3 U	10.2 U	10.1 U
88-75-5	2-NITROPHENOL	ug/l	10.3 U	10.2 U	10.1 U
91-94-1	3,3'-DICHLOROBENZIDINE	ug/l	10.3 U	10.2 U	10.1 U
MEPH3MEPH	3+4-Methylphenols	ug/l	10.3 U	10.2 U	10.1 U
99-09-2	3-NITROANILINE	ug/l	10.3 U	10.2 U	10.1 U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	ug/l	10.3 U	10.2 U	10.1 U
101-55-3	4-BROMOPHENYL PHENYL ETHER	ug/l	10.3 U	10.2 U	10.1 U
59-50-7	4-CHLORO-3-METHYLPHENOL	ug/l	10.3 U	10.2 U	10.1 U
106-47-8	4-CHLOROANILINE	ug/l	10.3 U	10.2 U	10.1 U
7005-72-3	4-CHLOROPHENYL PHENYL ETHER	ug/l	10.3 U	10.2 U	10.1 U
100-01-6	4-NITROANILINE	ug/l	10.3 U	10.2 U	10.1 U
100-02-7	4-NITROPHENOL	ug/l	10.3 U	10.2 U	10.1 U
83-32-9	ACENAPHTHENE	ug/l	10.3 U	10.2 U	10.1 U
208-96-8	ACENAPHTHYLENE	ug/l	10.3 U	10.2 U	10.1 U
98-86-2	ACETOPHENONE	ug/l	10.3 U	10.2 U	10.1 U
120-12-7	ANTHRACENE	ug/l	10.3 U	10.2 U	10.1 U
1912-24-9	ATRAZINE	ug/l	10.3 U	10.2 U	10.1 U
100-52-7	BENZALDEHYDE	ug/l	10.3 U	10.2 U	10.1 U
56-55-3	BENZO(A)ANTHRACENE	ug/l	10.3 U	10.2 U	10.1 U
50-32-8	BENZO(A)PYRENE	ug/l	10.3 U	10.2 U	10.1 U
205-99-2	BENZO(B)FLUORANTHENE	ug/l	10.3 U	10.2 U	10.1 U
191-24-2	BENZO(G,H,I)PERYLENE	ug/l	10.3 U	10.2 U	10.1 U
207-08-9	BENZO(K)FLUORANTHENE	ug/l	10.3 U	10.2 U	10.1 U
85-68-7	BENZYL BUTYL PHTHALATE	ug/l	10.3 U	10.2 U	10.1 U
92-52-4	BIPHENYL (DIPHENYL)	ug/l	10.3 U	10.2 U	10.1 U
111-91-1	BIS(2-CHLOROETHOXY) METHANE	ug/l	10.3 U	10.2 U	10.1 U
111-44-4	BIS(2-CHLOROETHYL) ETHER	ug/l	10.3 U	10.2 U	10.1 U
108-60-1	BIS(2-CHLOROISOPROPYL) ETHER	ug/l	10.3 U	10.2 U	10.1 U
117-81-7	BIS(2-ETHYLHEXYL) PHTHALATE	ug/l	10.3 U	10.2 U	10.1 U
105-60-2	CAPROLACTAM	ug/l	10.3 U	10.2 U	10.1 U
86-74-8	CARBAZOLE	ug/l	10.3 U	10.2 U	10.1 U
218-01-9	CHRYSENE	ug/l	10.3 U	10.2 U	10.1 U
53-70-3	DIBENZ(A,H)ANTHRACENE	ug/l	10.3 U	10.2 U	10.1 U
132-64-9	DIBENZOFURAN	ug/l	10.3 U	10.2 U	10.1 U
84-66-2	DIETHYL PHTHALATE	ug/l	10.3 U	10.2 U	10.1 U
131-11-3	DIMETHYL PHTHALATE	ug/l	3 J	10.2 U	10.1 U
84-74-2	DI-N-BUTYL PHTHALATE	ug/l	10.3 U	10.2 U	10.1 U
117-84-0	DI-N-OCTYLPHTHALATE	ug/l	10.3 U	10.2 U	10.1 U
206-44-0	FLUORANTHENE	ug/l	10.3 U	10.2 U	10.1 U
86-73-7	FLUORENE	ug/l	10.3 U	10.2 U	10.1 U
118-74-1	HEXACHLOROBENZENE	ug/l	10.3 U	10.2 U	10.1 U
87-68-3	HEXACHLOROBUTADIENE	ug/l	10.3 U	10.2 U	10.1 U
77-47-4	HEXACHLOROCYCLOPENTADIENE	ug/l	10.3 U	10.2 U	10.1 U
67-72-1	HEXACHLOROETHANE	ug/l	10.3 U	10.2 U	10.1 U
193-39-5	INDENO(1,2,3-C,D)PYRENE	ug/l	10.3 U	10.2 U	10.1 U
78-59-1	ISOPHORONE	ug/l	10.3 U	10.2 U	10.1 U
91-20-3	NAPHTHALENE	ug/l	10.3 U	10.2 U	10.1 U
98-95-3	NITROBENZENE	ug/l	10.3 U	10.2 U	10.1 U
621-64-7	N-NITROSODI-N-PROPYLAMINE	ug/l	10.3 U	10.2 U	10.1 U
86-30-6	N-NITROSODIPHENYLAMINE	ug/l	10.3 U	10.2 U	10.1 U
87-86-5	PENTACHLOROPHENOL	ug/l	10.3 U	10.2 U	10.1 U
85-01-8	PHENANTHRENE	ug/l	10.3 U	10.2 U	10.1 U
108-95-2	PHENOL	ug/l	10.3 U	10.2 U	10.1 U
129-00-0	PYRENE	ug/l	10.3 U	10.2 U	10.1 U

Consolidated Edison Ludlow Street Site Validated Groundwater Analytical Data					Dup of MW-11-20150605
		Location ID:	MW-10	MW-11	MW-11
		Sample ID:	MW-10-20150605	MW-11-20150605	MW-111-20150605
		Lab Sample Id:	G2556-04	G2556-01	G2556-05
		Source:	CTECH	CTECH	CTECH
		SDG:	G2556	G2556	G2556
		Matrix:	WATER	WATER	WATER
		Sampled:	6/5/2015 10:20	6/5/2015 9:35	6/5/2015 9:35
		Validated:	7/2/2015	7/2/2015	7/2/2015
CAS NO.	COMPOUND	UNITS:			
	INORGANICS				
7429-90-5	ALUMINUM	ug/l	1250	726 J	286 J
7440-36-0	ANTIMONY	ug/l	5.5 U	5.5 U	5.5 U
7440-38-2	ARSENIC	ug/l	4.21 J	4 U	4 U
7440-39-3	BARIUM	ug/l	307	142	142
7440-41-7	BERYLLIUM	ug/l	0.3 U	0.3 U	0.3 U
7440-43-9	CADMIUM	ug/l	0.4 U	0.4 U	0.4 U
7440-70-2	CALCIUM	ug/l	81100	86000	87900
7440-47-3	CHROMIUM, TOTAL	ug/l	1.7 U	1.75 J	1.7 U
7440-48-4	COBALT	ug/l	4.9 U	4.9 U	4.9 U
7440-50-8	COPPER	ug/l	4.21 J	2.6 U	2.6 U
7439-89-6	IRON	ug/l	2020	934 J	423 J
7439-92-1	LEAD	ug/l	5.12 J	5.26 J	2.05 J
7439-95-4	MAGNESIUM	ug/l	27000	24100	24100
7439-96-5	MANGANESE	ug/l	4210	2390	2120
7439-97-6	MERCURY	ug/l	0.126 J	0.13 J	0.154 J
7440-02-0	NICKEL	ug/l	5 J	3.7 U	3.7 U
7440-09-7	POTASSIUM	ug/l	9070	7270	7660
7782-49-2	SELENIUM	ug/l	12.5	10.35	9.81 J
7440-22-4	SILVER	ug/l	1.3 U	1.3 U	1.3 U
7440-23-5	SODIUM	ug/l	620900	368100	389800
7440-28-0	THALLIUM	ug/l	2.2 U	2.2 U	2.2 U
7440-62-2	VANADIUM	ug/l	4 U	4 U	4 U
7440-66-6	ZINC	ug/l	14.4 J	12.2 J	8.56 J
57-12-5	CYANIDE	ug/l	11	3 U	3 U

Consolidated Edison Ludlow Street Site Validated Groundwater Analytical Data		Location ID: Sample ID: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated:	FIELDQC FB060515-20150605 G2556-06 CTECH G2556 WATER 6/5/2015 12:00 7/2/2015	FIELDQC TB060515-20150605 G2556-07 CTECH G2556 WATER 6/5/2015 9:30 7/2/2015
CAS NO.	COMPOUND	UNITS:		
	VOLATILES			
71-55-6	1,1,1-TRICHLOROETHANE	ug/l	5 U	5 U
79-34-5	1,1,2,2-TETRACHLOROETHANE	ug/l	5 U	5 U
76-13-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	5 U	5 U
79-00-5	1,1,2-TRICHLOROETHANE	ug/l	5 U	5 U
75-34-3	1,1-DICHLOROETHANE	ug/l	5 U	5 U
75-35-4	1,1-DICHLOROETHENE	ug/l	5 U	5 U
87-61-6	1,2,3-TRICHLOROBENZENE	ug/l	5 U	5 U
120-82-1	1,2,4-TRICHLOROBENZENE	ug/l	5 U	5 U
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	ug/l	5 U	5 U
106-93-4	1,2-DIBROMOETHANE	ug/l	5 U	5 U
95-50-1	1,2-DICHLOROBENZENE	ug/l	5 U	5 U
107-06-2	1,2-DICHLOROETHANE	ug/l	5 U	5 U
78-87-5	1,2-DICHLOROPROPANE	ug/l	5 U	5 U
541-73-1	1,3-DICHLOROBENZENE	ug/l	5 U	5 U
106-46-7	1,4-DICHLOROBENZENE	ug/l	5 U	5 U
123-91-1	1,4-DIOXANE (P-DIOXANE)	ug/l	100 U	100 U
591-78-6	2-HEXANONE	ug/l	25 U	25 U
67-64-1	ACETONE	ug/l	25 U	25 U
71-43-2	BENZENE	ug/l	5 U	5 U
74-97-5	BROMOCHLOROMETHANE	ug/l	5 U	5 U
75-27-4	BROMODICHLOROMETHANE	ug/l	5 U	5 U
75-25-2	BROMOFORM	ug/l	5 U	5 U
74-83-9	BROMOMETHANE	ug/l	5 U	5 U
75-15-0	CARBON DISULFIDE	ug/l	5 U	5 U
56-23-5	CARBON TETRACHLORIDE	ug/l	5 U	5 U
108-90-7	CHLOROBENZENE	ug/l	5 U	5 U
75-00-3	CHLOROETHANE	ug/l	5 U	5 U
67-66-3	CHLOROFORM	ug/l	5 U	5 U
74-87-3	CHLOROMETHANE	ug/l	5 U	5 U
156-59-2	CIS-1,2-DICHLOROETHYLENE	ug/l	5 U	5 U
10061-01-5	CIS-1,3-DICHLOROPROPENE	ug/l	5 U	5 U
110-82-7	CYCLOHEXANE	ug/l	5 U	5 U
124-48-1	DIBROMOCHLOROMETHANE	ug/l	5 U	5 U
75-71-8	DICHLORODIFLUOROMETHANE	ug/l	5 U	5 U
100-41-4	ETHYLBENZENE	ug/l	5 U	5 U
98-82-8	ISOPROPYLBENZENE (CUMENE)	ug/l	5 U	5 U
XYLMP	M,P-XYLENE (SUM OF ISOMERS)	ug/l	10 U	10 U
79-20-9	METHYL ACETATE	ug/l	5 U	5 U
78-93-3	METHYL ETHYL KETONE (2-BUTANONE)	ug/l	25 U	25 U
108-10-1	METHYL ISOBUTYL KETONE	ug/l	25 U	25 U
108-87-2	METHYLCYCLOHEXANE	ug/l	5 U	5 U
75-09-2	METHYLENE CHLORIDE	ug/l	5 U	5 U
95-47-6	O-XYLENE (1,2-DIMETHYLBENZENE)	ug/l	5 U	5 U
100-42-5	STYRENE	ug/l	5 U	5 U
1634-04-4	TERT-BUTYL METHYL ETHER	ug/l	5 U	5 U
127-18-4	TETRACHLOROETHYLENE(PCE)	ug/l	5 U	5 U
108-88-3	TOLUENE	ug/l	5 U	5 U
156-60-5	TRANS-1,2-DICHLOROETHENE	ug/l	5 U	5 U
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ug/l	5 U	5 U
79-01-6	TRICHLOROETHYLENE (TCE)	ug/l	5 U	5 U
75-69-4	TRICHLOROFLUOROMETHANE	ug/l	5 U	5 U
75-01-4	VINYL CHLORIDE	ug/l	5 U	5 U

Consolidated Edison Ludlow Street Site Validated Groundwater Analytical Data		Location ID: Sample ID: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated:	FIELDQC FB060515-20150605 G2556-06 CTECH G2556 WATER 6/5/2015 12:00 7/2/2015	FIELDQC TB060515-20150605 G2556-07 CTECH G2556 WATER 6/5/2015 9:30 7/2/2015
CAS NO.	COMPOUND	UNITS:		
	SEMIVOLATILES			
95-94-3	1,2,4,5-TETRACHLOROBENZENE	ug/l	10.2 U	
58-90-2	2,3,4,6-TETRACHLOROPHENOL	ug/l	10.2 U	
95-95-4	2,4,5-TRICHLOROPHENOL	ug/l	10.2 U	
88-06-2	2,4,6-TRICHLOROPHENOL	ug/l	10.2 U	
120-83-2	2,4-DICHLOROPHENOL	ug/l	10.2 U	
105-67-9	2,4-DIMETHYLPHENOL	ug/l	10.2 U	
51-28-5	2,4-DINITROPHENOL	ug/l	10.2 U	
121-14-2	2,4-DINITROTOLUENE	ug/l	10.2 U	
606-20-2	2,6-DINITROTOLUENE	ug/l	10.2 U	
91-58-7	2-CHLORONAPHTHALENE	ug/l	10.2 U	
95-57-8	2-CHLOROPHENOL	ug/l	10.2 U	
91-57-6	2-METHYLNAPHTHALENE	ug/l	10.2 U	
95-48-7	2-METHYLPHENOL (O-CRESOL)	ug/l	10.2 U	
88-74-4	2-NITROANILINE	ug/l	10.2 U	
88-75-5	2-NITROPHENOL	ug/l	10.2 U	
91-94-1	3,3'-DICHLOROBENZIDINE	ug/l	10.2 U	
MEPH3MEPH	3+4-Methylphenols	ug/l	10.2 U	
99-09-2	3-NITROANILINE	ug/l	10.2 U	
534-52-1	4,6-DINITRO-2-METHYLPHENOL	ug/l	10.2 U	
101-55-3	4-BROMOPHENYL PHENYL ETHER	ug/l	10.2 U	
59-50-7	4-CHLORO-3-METHYLPHENOL	ug/l	10.2 U	
106-47-8	4-CHLOROANILINE	ug/l	10.2 U	
7005-72-3	4-CHLOROPHENYL PHENYL ETHER	ug/l	10.2 U	
100-01-6	4-NITROANILINE	ug/l	10.2 U	
100-02-7	4-NITROPHENOL	ug/l	10.2 U	
83-32-9	ACENAPHTHENE	ug/l	10.2 U	
208-96-8	ACENAPHTHYLENE	ug/l	10.2 U	
98-86-2	ACETOPHENONE	ug/l	10.2 U	
120-12-7	ANTHRACENE	ug/l	10.2 U	
1912-24-9	ATRAZINE	ug/l	10.2 U	
100-52-7	BENZALDEHYDE	ug/l	10.2 U	
56-55-3	BENZO(A)ANTHRACENE	ug/l	10.2 U	
50-32-8	BENZO(A)PYRENE	ug/l	10.2 U	
205-99-2	BENZO(B)FLUORANTHENE	ug/l	10.2 U	
191-24-2	BENZO(G,H,I)PERYLENE	ug/l	10.2 U	
207-08-9	BENZO(K)FLUORANTHENE	ug/l	10.2 U	
85-68-7	BENZYL BUTYL PHTHALATE	ug/l	10.2 U	
92-52-4	BIPHENYL (DIPHENYL)	ug/l	10.2 U	
111-91-1	BIS(2-CHLOROETHOXY) METHANE	ug/l	10.2 U	
111-44-4	BIS(2-CHLOROETHYL) ETHER	ug/l	10.2 U	
108-60-1	BIS(2-CHLOROISOPROPYL) ETHER	ug/l	10.2 U	
117-81-7	BIS(2-ETHYLHEXYL) PHTHALATE	ug/l	140	
105-60-2	CAPROLACTAM	ug/l	10.2 U	
86-74-8	CARBAZOLE	ug/l	10.2 U	
218-01-9	CHRYSENE	ug/l	10.2 U	
53-70-3	DIBENZ(A,H)ANTHRACENE	ug/l	10.2 U	
132-64-9	DIBENZOFURAN	ug/l	10.2 U	
84-66-2	DIETHYL PHTHALATE	ug/l	10.2 U	
131-11-3	DIMETHYL PHTHALATE	ug/l	10.2 U	
84-74-2	DI-N-BUTYL PHTHALATE	ug/l	10.2 U	
117-84-0	DI-N-OCTYLPHTHALATE	ug/l	10.2 U	
206-44-0	FLUORANTHENE	ug/l	10.2 U	
86-73-7	FLUORENE	ug/l	10.2 U	
118-74-1	HEXACHLOROBENZENE	ug/l	10.2 U	
87-68-3	HEXACHLOROBUTADIENE	ug/l	10.2 U	
77-47-4	HEXACHLOROCYCLOPENTADIENE	ug/l	10.2 U	
67-72-1	HEXACHLOROETHANE	ug/l	10.2 U	
193-39-5	INDENO(1,2,3-C,D)PYRENE	ug/l	10.2 U	
78-59-1	ISOPHORONE	ug/l	10.2 U	
91-20-3	NAPHTHALENE	ug/l	10.2 U	
98-95-3	NITROBENZENE	ug/l	10.2 U	
621-64-7	N-NITROSODI-N-PROPYLAMINE	ug/l	10.2 U	
86-30-6	N-NITROSODIPHENYLAMINE	ug/l	10.2 U	
87-86-5	PENTACHLOROPHENOL	ug/l	10.2 U	
85-01-8	PHENANTHRENE	ug/l	10.2 U	
108-95-2	PHENOL	ug/l	10.2 U	
129-00-0	PYRENE	ug/l	10.2 U	

Consolidated Edison Ludlow Street Site Validated Groundwater Analytical Data		Location ID: Sample ID: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated:	FIELDQC FB060515-20150605 G2556-06 CTECH G2556 WATER 6/5/2015 12:00 7/2/2015	FIELDQC TB060515-20150605 G2556-07 CTECH G2556 WATER 6/5/2015 9:30 7/2/2015
CAS NO.	COMPOUND	UNITS:		
	INORGANICS			
7429-90-5	ALUMINUM	ug/l	8.88 J	
7440-36-0	ANTIMONY	ug/l	5.5 U	
7440-38-2	ARSENIC	ug/l	4 U	
7440-39-3	BARIUM	ug/l	3.7 U	
7440-41-7	BERYLLIUM	ug/l	0.3 U	
7440-43-9	CADMIUM	ug/l	0.4 U	
7440-70-2	CALCIUM	ug/l	65.7 J	
7440-47-3	CHROMIUM, TOTAL	ug/l	1.7 U	
7440-48-4	COBALT	ug/l	4.9 U	
7440-50-8	COPPER	ug/l	2.6 U	
7439-89-6	IRON	ug/l	10.1 U	
7439-92-1	LEAD	ug/l	1.8 U	
7439-95-4	MAGNESIUM	ug/l	23.8 U	
7439-96-5	MANGANESE	ug/l	1.3 U	
7439-97-6	MERCURY	ug/l	0.124 J	
7440-02-0	NICKEL	ug/l	3.7 U	
7440-09-7	POTASSIUM	ug/l	47.5 J	
7782-49-2	SELENIUM	ug/l	4.9 U	
7440-22-4	SILVER	ug/l	1.3 U	
7440-23-5	SODIUM	ug/l	245 J	
7440-28-0	THALLIUM	ug/l	2.2 U	
7440-62-2	VANADIUM	ug/l	4 U	
7440-66-6	ZINC	ug/l	6.04 J	
57-12-5	CYANIDE	ug/l	3 U	