# **REMEDIAL INVESTIGATION REPORT FOR THE FORMER LUDLOW STREET WORKS SITE**

Yonkers, New York

Site Number V00562

Prepared For:



# Consolidated Edison Company of New York, Inc.

31-01 20<sup>th</sup> Avenue Long Island City, NY 11105

Prepared By:



Somerset, New Jersey

**AUGUST 2014** 

PARSONS

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**AUGUST 2014** 

"I ERIC GAULIN certify that I am currently a Qualified Environmental professional as defined in 6 NYCRR Part 375 and that this Remedial Investigation Report was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10)."

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Signature

4-30-2014

Date

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# **INTRODUCTION**

This Remedial Investigation Report (RIR) presents the results of the remedial investigation (RI) of the former Ludlow Street Works former manufactured gas plant and holder station (MGP) located in Yonkers, New York. The RI was conducted between October 2012 and April 2013 by Parsons on behalf of Consolidated Edison Company of New York, Inc. (Con Edison). The goal of the RI was to determine the extent of impacts related to former MGP operations identified during the previous Site Characterization Study and summarized in the *Site Characterization Report* (Parsons, 2011). RI activities were completed in accordance with the New York State Department of Environmental Conservation's (NYSDEC) approved *Remedial Investigation Work Plan* (Parsons, 2011) and consistent with processes outlined in the NYSDEC Technical Guidance for Site Investigation and Remediation (NYSDEC DER-10, 2010).

#### 1.1 REPORT ORGANIZATION

The RI was conducted by Parsons. The field investigation activities and results are documented in the following sections:

- Section 1: Introduction
- Section 2: Site Background
- Section 3: Remedial Investigation Activities
- Section 4: Remedial Investigation Results
- Section 5: Extent of MGP NAPL Impacts
- Section 6: Exposure Assessment
- Section 7: Conclusions and Recommendations
- Section 8: References

## SITE BACKGROUND

#### 2.1 SITE OVERVIEW

Con Edison has entered into a Voluntary Cleanup Agreement with the NYSDEC to investigate, and if necessary, remediate potential impacts at former MGP properties. One of these facilities, the former Ludlow Street Works (Voluntary Cleanup Agreement Index No. D2-0003-02-08; Site ID No. V00562), a former MGP and holder station, was operated between 1879 and 1936 by predecessor companies of Con Edison.

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). 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.

Currently, there is only one small single-story concrete block structure located on the southeastern corner of the southern portion of the Site. The northern and southern portions of the Site are separated by a concrete block retaining wall. The southern portion of the Site, where the majority of the former MGP operations took place and where two of the former holder structures were located, is currently used by the City of Yonkers Department of Public Works (DPW) as a bulk storage and staging area for road salt and associated equipment (e.g., trucks, front-end loaders, etc.) (Figure 1). The surface of the active DPW vard consists of gravel and dirt. Although the surface of DPW yard was formerly covered with bituminous asphalt paving this surface is now generally absent, likely due to its inadvertent removal during salt load-out operations. The southeast corner of northern portion of the site contained the 50,000 cu ft holder and a portion of the former Retort house was located in its southwest area. The elevation of the northern or upper portion of the Site is approximately 10 to 26 feet higher than the southern or lower portion (Chazen, 2013) as a result of City of Yonkers' placement there of various debris. The City also removed trees and brush from the elevated northern portion of the site and subsequently leveled the surface there.

The Site is located within a mixed-use industrial district of Yonkers that also contains residential and commercial-use properties. The Site fronts two streets, at approximately 162 Downing Street and the intersection of Knowles and Bridge Streets in Yonkers, New York. The Site consists of approximately 1.35 acres and is identified as Section 1, Block 171, Lot 1 (Figure 2).

#### **2.2 ADJOINING PROPERTY DESCRIPTION**

The Site is bordered to the north by Downing Street; to the east by a metal fabrication shop (the Waverly property); to the south by Knowles Street (formerly Fernbrook Street) and a Dunkin Donuts bakery; and to the west by the Metropolitan Transportation Authority (MTA)/New York Central Railroad railway. The Site is located approximately 700 feet east of the Hudson River (*GEI*, 2003). However, based on 1886 Sanborn Fire Insurance map for the area where the Site was located, the shore of the Hudson River when the former MGP first began operation was located along the west side of the railroad tracks. A ccordingly, at that time, the Site was located less than 100 feet from the Hudson River shoreline.

## 2.3 SITE HISTORY

Historical research of the Site was previously conducted and is documented in the *Manufactured Gas Plant History, Ludlow Street Works, Yonkers, New York (GEI, 2003)* which indicates that the Site was operated as an MGP and gas holder station by several predecessor companies of Con Edison on the southern portion of the Site between 1879 and 1936 and on the northern portion between 1923 a nd 1936. The Municipal Gas Company of Yonkers (i.e., Yonkers Municipal Gas Company) acquired the southern portion of the Site in 1879 from a private owner. The Westchester Lighting Company acquired the northern portion of the Site in 1923. The Municipal Gas Company constructed an MGP at the Site and began manufacturing gas around 1880.

In 1886, there were three buildings, two gas holders, and three underground naphtha storage tanks located on the southern portion of the Site (Figure 2). One holder was located on the southern portion of the Site and had a 22,800 cubic feet (cu ft) capacity. The other holder was located on the northern portion of the Site and had a 50,000 cubic cu ft capacity. One building, which contained the lime house, purifying house, and meter room, was located at the southwest corner side of the Site. To the north of this building was the engine room and retorts building. A boiler house was located at the southeastern corner of the Site. The underground naphtha storage tanks were located approximately at the middle of the west side of the Site. An underground pipe (shown on the 1886 Sanborn Fire Insurance Map) was used to pump naphtha from boats on the Hudson River to the tanks. By 1898, the plant was no longer manufacturing gas, and became a holder station for the storage of natural gas.

A third larger gas holder (250,000 cu ft) was constructed before 1907, replacing the building that contained the lime house, purifying house, and meter room and a portion of the retorts and engine room building. The two smaller holders were removed from the Site between 1917 and 1931. By 1936, the Site was no longer used as a holder station. The Site use between 1936 and 1946 is unknown (*GEI, 2003*). The Site was sold in 1946 and was owned by various bus companies for bus storage and parking until 1973 when the City of Yonkers acquired the Site. The City of Yonkers has used the Site as a DPW storage yard for vehicles and trucks, road salt, materials, street sweeping dumping, debris, fuel tanks, asbestos-containing materials, 55-gallon drums, and other unidentified waste materials since 1973.

# 2.4 TOPOGRAPHY, REGIONAL GEOLOGY, AND HYDROGEOLOGY

The Site is located in the southwestern corner of Yonkers, approximately 700 feet east of the Hudson River. B ased on the Site survey performed in December 2012, the ground surface elevation of the southern (or lower) portion of the Site is approximately 16 feet above mean sea level (MSL) and the elevation of the surveyed northern (or upper) portion of the Site is between approximately 38 and 44 feet above MSL. The Site is located in the Manhattan Prong section of the New England Uplands physiographic region of New York and is near a northeast-trending geologic contact between the Fordham Gneiss and the Inwood Marble. During the RI, bedrock

at the Site was encountered from approximately 39 to 50 feet below ground surface (feet bgs) which translates into approximately 3.4 feet below MSL at SB-14 and 23.2 feet below MSL at SB-12. The bedrock is overlain by glacial till deposits, alluvium, and fill material (*GEI, 2003*). Based on groundwater levels measured in monitoring wells during the RI between October 2012 and January 2013, the groundwater elevation at the Site ranged between 2.84 and 5.79 ft above MSL. Groundwater generally flows to the west-northwest, toward the Hudson River. A s indicated in earlier reports and confirmed by the tidal study conducted during this RI, groundwater levels are minimally influenced by tidal fluctuation of water in the adjoining Hudson River.

#### 2.5 PREVIOUS INVESTIGATIONS/REMEDIAL MEASURES

Two investigations were previously conducted on the Site. The first was completed between 1993 and 1997 and the second in 2010. These investigations are summarized below.

In 1993, Vollmuth & Brush of Blue Point, New York performed a two-phase sampling and analysis program on the Site and the adjacent lots (Vollmuth and Brush, 1997). A report entitled "Phase I and II Sampling and Analysis Program 151-154 Downing Street, DPW Garage, City of Yonkers, Yonkers, NY" was prepared for the Department of Planning and Development of City of Yonkers by Vollmuth & Brush in 1997 (Vollmuth and Brush, 1997). The first phase of the investigation entailed a soil gas survey, and the second phase entailed the sampling and analysis of subsurface soils. Eleven soil samples were collected from inside the former DPW garage building on the eastern abutting property and on the Site. Soil samples were analyzed for volatile organic compounds (VOCs) and semivolatile organic compounds (SVOCs) from depths of 0 to 2 or 2 to 4 feet below grade. Soils samples were analyzed for metals from depths of 0 to 2, 2 to 4, 6 to 8, or 10 to 12 feet below grade. Vollmuth & Brush compared the detected concentrations of the VOCs and SVOCs to their corresponding NYSDEC Soil Cleanup Objectives (SCOs). Based on these comparisons, it was determined that concentrations of all VOCs and SVOCs detected were below their respective SCOs. Five metals, namely copper, iron, lead, selenium, and zinc, were detected at concentrations above their respective SCOs in at least one soil sample.

In 2010, Con Edison contracted Parsons to conduct a Site Characterization Study (SCS) of the site. The scope of Site Characterization activities included the excavation of five test pits (designated TP-01 through TP-05 and six soil borings (designated SB-1, SB-2, SB-4 through SB-7), and installation of five monitoring wells (designated MW-1 through MW-5). Since historical information indicated that operations of the former MGP were primarily located at the southern (or lower) portion of the Site, field investigation activities focused on these areas of the former site and the adjacent sidewalk. During the SCS, remnants of several former MGP structures were identified on the property. Where present, coal tar was generally detected as residue or at saturated levels as Non-Aqueous Phase Liquid (NAPL) in the vicinity of the former/remnant structures. Fingerprint analysis of coal tar NAPL samples verified that the tar residues were formed as a result of the production of manufactured coal gas. Contaminants potentially related to former MGP activities were also detected in soil samples collected during the SCS at concentrations exceeding their respective NYSDEC SCOs. These contaminants were generally encountered at or below the groundwater table (e.g., between 10.3 ft to 16.1 feet bgs) and extended to depths ranging from 30 ft to 32 feet bgs. The vertical extent of these contaminants was delineated at all sampling locations, with the exception of SB-02.

Contaminants potentially related to former MGP activities including VOCs, SVOCs and metals were also detected in groundwater at concentrations exceeding the NYSDOH Ambient Water Quality Standards, Criteria and Guidance Values (AWQSGV) for Class GA water.

Additionally, elevated concentrations of sodium, manganese, and magnesium were detected in Site soil and groundwater and are suspected to be associated with use of the Site as a road salt storage facility, or due to the presence of urban fill materials.

Based on the findings of the SCS, it was recommended by Parsons in the SCS Report (*March 2011*) that further investigation of the site be conducted to delineate the impacts identified. S ubsequently, a Remedial Investigation Work Plan (Parsons, 2011) was then developed and approved by the NYSDEC.

# **REMEDIAL INVESTIGATION ACTIVITIES**

The following sections describe the field activities conducted by Parsons between October 2012 and April 2013 in accordance with the NYSDEC approved *Remedial Investigation Work Plan (Parsons, 2011)*. The RI field investigation included a geophysical survey, utility clearance activities, excavation of a test pit, advancement of soil borings, installation and development of groundwater monitoring wells, sampling and laboratory analysis of soil, groundwater and soil vapor samples, tidal study, and surveying. D uring all intrusive activities, a Community Air Monitoring Plan (CAMP) was implemented in accordance with the approved work plan and associated site-specific Health and Safety Plan (HASP). S ampling locations are depicted on Figure 3. Table 1 provides a summary of the samples and analyses.

## 3.1 SITE INSPECTION AND PRELIMINARY INVESTIGATION ACTIVITIES

On October 15, 2012, a Site inspection was conducted with Con Edison, Parsons, representatives of the City of Yonkers DPW and Westchester County Sewer Department to review the proposed sampling locations (borings, wells, test pits, etc.). Proposed sampling locations were adjusted during the site inspection, as necessary, based on Site conditions, access, utilities, and or safety considerations. All changes were made in consultation with Con Edison and the NYSDEC. Specific modifications to sampling locations are further discussed below.

## **3.2 UTILITY CLEARANCE**

The utility clearance was performed as follows:

- A Code 753 mark out was requested by Aquifer Drilling & Testing, Inc. (ADT) of Mineola, New York;
- Site reconnaissance was performed, followed by meetings with the Yonkers Department of Public Works, the Westchester County Department of Environmental Facilities, and the owners of the Waverly property;
- Utility maps were reconciled with the mark outs, and with the representatives from these parties;
- A subsurface geophysical survey was performed by Diversified Geophysics, Inc. (DGI), of Mineola, New York at all proposed boring, monitoring well and test pit locations;
- The 54-inch forced sewer main on the MTA parcel was exposed prior to boring advancement;
- Utility clearance key-hole test pits were excavated to 5 feet at each proposed soil boring, monitoring well, and soil vapor location for subsurface utilities.

During these excavation activities, soils were screened for VOCs using a photoionization detector (PID), their physical characteristics (e.g., soil type, grain size, color, etc.) were described, and notes of any evidence of physical impacts observed (staining, odor, sheen, NAPL, etc.) were recorded.

#### **3.3 TEST PIT EXCAVATION**

One investigation test pit (TP-6) was excavated in an effort to determine if the former 4-inch naphtha pipe shown on the 1886 S anborn Fire Insurance map was still present, and, if so, determine if there are any potential impacts from this pipe to the surrounding soil and or groundwater. Test pit excavation was completed on November 7, 2012. Test pit excavation was conducted by ADT under the supervision of a Parsons geologist. The test pit location is depicted on Figure 3. Based on Site conditions and observations made during implementation of the RI, TP-6 was excavated 10 feet west of its originally proposed location due to the presence of a 54-inch diameter sanitary sewer force main. The test pit was advanced with a rubber-tired backhoe to six feet bgs, at which point, groundwater was encountered.

During test pit excavation, the excavated soil and fill were temporarily placed on impervious plastic sheeting adjacent to the test pit. The test pit excavation was conducted in 6-inch lifts to its final depth. The excavated material showed no apparent evidence of impacts and was placed back into the excavation in reverse order from which it was removed. The lower portion of the test pit was backfilled in 12-inch lifts. The upper portion of the test pit was backfilled in 6-inch lifts using suitable excavated materials (e.g. material that did not contain deleterious materials, saturated or near saturated fill, rocks, soils clumps bigger than 6 inches in size, etc.).

While the test pit remained open, subsurface conditions were logged and photographed, the test pit walls and floors were inspected for evidence of MGP-related impacts (e.g., odors, staining, sheens, NAPL, and or PID readings above background levels) and the dimensions of the test pit and any subsurface features were measured. All field observations and measurements are summarized in the test pit log provided in Appendix A.

The soil sample, designated TP-6 Floor(x-y) was collected from the test pit was submitted to Chemtech Consulting Group, Inc of Mountainside, NJ (Chemtech) (NYS DOH, ELAP Certified) for analysis of Target Compound List (TCL) VOCs by EPA Method 8260, T CL SVOCs by EPA Method 8270, TAL metals by EPA Method 6000/7000 Series, and cyanide by EPA Method 9012. The analytical results for this sample are summarized in Table 3.

#### 3.4 SOIL BORING INSTALLATION

A total of eight soil borings (SB-9 through SB-14, SB-16, and SB-17) were advanced during the RI to further delineate the nature and extent of MGP impacts in subsurface soils. The soil borings were completed between October 25, 2012 and December 21, 2012. Soil borings were advanced by ADT under the supervision of a Parsons geologist. Soil borings were completed to depths ranging from approximately 25 to 53 feet bgs, depending on observed impacts and or refusals. S oil boring locations are shown on Figure 3 and the corresponding boring logs are presented in Appendix B. Based on Site conditions and observations made during implementation of the RI activities, the following additions/modifications were made to the work plan:

- SB-9/SV-1 was relocated approximately 10 feet east due to the presence of a 30-inch sewer line in the vicinity of its original location;
- SB-11 was relocated approximately 10 feet east due to the presence of a 54-inch forced sewer main in the vicinity of its original location;

- SB-12 was relocated approximately 5 feet south due to its proximity to an unstable debris pile slope;
- SB-13 was added to the scope in order to determine the presence, nature, and extent of NAPL impacts encountered at SB-10 from 27 to 42.5 feet bgs;
- SB-14 was added to the scope in order to determine the presence, nature, and extent of NAPL impacts encountered at SB-13 from 47 to 49 feet bgs;
- SB-16 was added to the scope in order to determine the presence, nature, and extent of NAPL impacts encountered at SB-10 and SB-12; and
- SB-17 was added to the scope in order to determine the presence, nature, and extent of NAPL impacts encountered at MW-7 from 35 to 40 and SB-13 from 47 to 49 feet bgs.

Soil borings were advanced using a track-mounted sonic drilling rig. Soil core was collected continuously to the bottom of the boring using 5-foot and 10-foot long, 4-inch diameter stainless steel soil core samplers. The soil core was screened for the presence of VOCs using a PID and logged. Physical characteristics of each sample were recorded (e.g., soil type, color, texture, moisture content, etc.), along with physical evidence of any impacted material (e.g., oil-like or tar-like NAPL, staining, sheens, odors, etc).

Subsequent to characterizing the core, soil samples were collected from discrete intervals based on the criteria listed below. The samples were placed in clean sample jars which were stored in a cooler containing ice prior to shipment to Chemtech for analysis.

- One sample was collected from the zone with the highest PID readings or strong evidence of other physical impacts (e.g., odor, staining, sheen, etc.). If physical impacts or elevated PID readings were not detected, then 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) or near the base of the boring to identify the vertical extent of any impacts at the location.

The soil samples were submitted to Chemtech of Mountainside, NJ and analyzed for TCL VOCs, TCL SVOCs, cyanide, and TAL metals. A summary of the soil samples collected and analyses performed is provided in Table 1.

Upon completion, the soil borings were grouted with cement-bentonite grout using a tremie pipe. Drilling equipment was decontaminated between each boring. D rill cuttings and decontamination water were containerized in new USDOT approved 55-gallon steel drums and handled as described in Section 3.10.

# 3.5 MONITORING WELL INSTALLATION AND DEVELOPMENT

A total of three monitoring wells (MW-7, MW-8, and MW-9) were installed during the RI activities to further delineate the nature and extent of MGP impacts in groundwater. Monitoring wells were installed from October 26, 2012 through December 19, 2012. Monitoring wells were advanced by ADT under the supervision of a Parsons geologist. Monitoring wells were advanced to depths ranging from approximately 25 to 53 feet bgs, depending on obs erved impacts and refusals; monitoring wells were constructed at depths ranging from 14 to 50 feet bgs. Monitoring well locations are shown on Figure 3 and the corresponding boring/well logs

are presented in Appendix B. B ased on Site conditions and observations made during implementation of the RI activities, the following additions/modifications were made to the work plan:

- MW-2 was added to the scope in order to provide a replacement of the original MW-2 which was believed to be destroyed by DPW site activities;
- MW-5 was added to the scope in order to provide a replacement of the original MW-5 which was believe to be destroyed by DPW site activities;
- MW-6/SV-2 was not installed due to the presence of a 30-inch sewer line in the vicinity of its original location. Due to Site conditions and safety concerns, it was determined that there was no relocation option for this monitoring well/soil vapor location; and
- MW-9 was relocated approximately 18 feet southeast due to the presence of a 54-inch forced sewer main in the vicinity of its original location;

Monitoring well borings were completed as described above in Section 3.4. The monitoring well screens were installed at depths ranging from 4 to 50 feet bgs. Soil samples were not collected from the replacement wells MW-2 and MW-5.

The monitoring wells were constructed with 2-inch inner diameter, threaded, flush-joint, PVC casing and 10 to 20 feet lengths of 0.02-inch slot screen. The annular space around each well screen was backfilled with a No. 2 clean sand filter pack extending from the bottom of the well to at least 2 feet above the top of the screen. The annular space around the well riser was sealed with at least 2 feet of hydrated bentonite pellets on top of the sand pack. The remainder of the boring was backfilled with cement-bentonite grout to approximately 1 foot below grade. Monitoring wells MW-2, MW-5, MW-8 and MW-9 were finished with a locking, flush-mount box set in concrete. Monitoring well MW-7 was finished with a protective stick-up casing set in concrete.

Monitoring well development was conducted on November 9, 2012, D ecember 26, 2012, and January 3, 2012 a minimum of 24 hours after installation. Each new monitoring well was developed until reasonably free of sediment and until turbidity measurements were less than 50 nephelometric turbidity units (NTUs), if possible, and/or until the measurements of water quality parameters [i.e., pH, temperature, and conductivity] stabilized. The water quality parameters were measured and recorded approximately every 5 minutes until stabilization was achieved. Stabilization is considered to be achieved when three successive measurements of the water quality parameters were within 10%. It is noted that stabilization was not achieved at monitoring well MW-2 as it ran dry numerous times. Non-disposable drilling equipment was decontaminated between well locations. Monitoring well drill cuttings, well development water, and decontamination water were containerized in new 55-gallon steel drums and handled as described in Section 3.10.

## 3.6 SURVEYING

At the conclusion of drilling activities, Chazen, a licensed New York state land surveyor mobilized to the Site and surveyed the horizontal and vertical location of each new soil boring, monitoring well, and test pit location. Other pertinent planimetric features of the Site, such as manholes, building walls, etc. were also surveyed. Two elevation measurements were taken at each well location to identify the top of the PVC casing and the grade elevation, respectively.

The survey elevations were measured to an accuracy of 0.01 feet above the National Geodetic Vertical Datum of 1988 (NGVD 1988). Horizontal coordinates were surveyed relative to the New York State Plane North American Datum of 1983 (NAD83).

## 3.7 GROUNDWATER SAMPLING

On November 26 and 27, 2012, g roundwater samples were collected from six monitoring wells (MW-1, MW-3, MW-4, MW-7 through MW-9). Monitoring wells MW-2 and MW-5 were sampled during the second round of groundwater sampling based on their date of installation.

On April 5 and 8, 2013, groundwater samples were collected from seven monitoring wells (MW-1 through MW-5, MW-7, and MW-9). Monitoring well MW-8 was not sampled during the second round of groundwater sampling due to access issues.

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. P rior 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 f oot. Table 2 provides a summary of groundwater level measurements and elevations taken on November 19, 2012, January 3 and April 5, 2013.

Prior to purging and immediately after removing the locking well cap, the concentration of total VOCs concentrations in the headspace air of each well was measured using a PID. Each well was purged using a submersible pump and low-flow purging techniques with dedicated tubing until stabilization of water quality parameters (including temperature, conductivity, pH, dissolved oxygen, ORP, and turbidity was achieved, and thus allow for the collection of a representative groundwater sample. As discussed in Section 3.7, monitoring well MW-4 ran dry a number of times prior to the stabilization of water quality parameters. During the purging process, water quality parameters were measured approximately every 5 minutes.

Water quality parameter measurements and observations were recorded on groundwater sampling field forms, which are provided in Appendix C. Groundwater samples were submitted to Chemtech Laboratories for analysis of TCL VOCs, TCL SVOCs, TAL Metals and total cyanide. During the April 2013 sampling event, groundwater samples MW-1 and MW-4 were filtered and analyzed for dissolved TAL metals, due to the high turbidity observed in groundwater from these wells. Non-dedicated sampling equipment (e.g., oil/water interface probe, submersible pump) was decontaminated between wells. Water generated during well purging and equipment decontamination was placed in 55-gallon drums and handled as described in Section 3.10.

# 3.8 SOIL GAS INVESTIGATION ACTIVITIES

To evaluate potential presence of VOCs in soil gas at the site and adjacent parcels, soil gas samples were collected from two locations (designated SV-3 and SV-4) adjacent to the one-story building bordering the southern boundary of the former site and one location, (designated SV-1) adjacent to the one story metal building located on the adjoining property along the eastern Site boundary. T he soil gas sampling locations are shown on Figure 3. S oil gas samples were collected in accordance with the New York State Department of Health (NYSDOH) Final Guidance for Evaluating Soil Vapor Intrusion (NYSDOH, 2006).

Prior to soil gas sampling, the approximate depth of the bottom of the basement adjacent to the SV-3 and SV-4 locations (Dunkin Donuts Bakery), and the approximate depth of the building foundation slab adjacent to the SV-1 (Waverly Property) locations relative to the ambient ground surface were determined. The slab bottom was estimated to be 6 feet at the eastern building and the basement was estimated to be at 7 feet bgs at the southern building. Soil gas samples were collected from one foot below the bottom of each slab or basement bottom. A ccordingly, the sample from the eastern (Waverly) property (i.e., SV-1) was collected from a depth of seven feet bgs and the samples from the southern (Dunkin Donuts Bakery) property (i.e., SV-3 and SV-4) were collected from a depth of eight feet bgs.

Soil gas samples were collected using a probe/sampling assembly comprised of stainless steel tubing fitted with an expendable steel probe point. Prior to soil gas sampling, the sampling probe was driven into the sub-slab soil via a direct push method to the desired sampling depth. The expendable point was released into the soil and the sampler was withdrawn approximately 0.5 feet to create a void space. The space between the probe rod and the concrete slab was filled with granular bentonite, which was then hydrated to form an airtight seal to prevent aboveground ambient air from influencing the quality of a subsurface soil gas sample. A minimum of one implant volume (the volume of the sample probe and tube) was purged prior to sample collection.

A tracer gas (helium) was utilized in the field to verify the integrity and effectiveness of the hydrated-bentonite seal prior to sample collection at select locations. A n enclosure (inverted plastic pail) was placed on the concrete slab over the location where the probe intersected the ground and the atmosphere within the enclosure was enriched with helium gas. A fter the atmosphere within the enclosure had been enriched, a vapor sample from the probe was collected and screened in the field with a helium detector to ensure the tracer gas was absent (reading of 0 PPM). The soil gas samples were collected into laboratory-prepared 6-liter Summa canisters equipped with calibrated flow regulators and vacuum gauge. The vacuum gauge was used to measure the initial and final vacuum in the canisters. Flow rates for both purging and sample collection did not exceed 0.2 liters per minute. All soil gas samples were submitted to Air Toxics LTD of Folsom, CA for laboratory analysis of VOCs using modified EPA Method TO-15. A summary of the soil gas samples collected and analyses performed is provided in Table 1. Soil gas laboratory results are provided in Appendix E.

#### 3.9 TIDAL STUDY

A study was conducted at five monitoring wells to evaluate the potential influence of tidal fluctuations in the nearby Hudson River on groundwater elevations at and down gradient from the Site.

The tidal study involved the installation of Micro-Diver<sup>TM</sup> pressure transducer/data loggers in monitoring wells MW-1, MW-4, MW-7, MW-8, and MW-9. The transducers were set to record groundwater levels every 10 second intervals over a 72-hour period. The data was downloaded from the transducers and converted to elevation values. Graphs summarizing the groundwater elevation data were prepared and are provided in Appendix D.

#### 3.10 MANAGEMENT OF INVESTIGATION-DERIVED WASTE

Investigation-derived waste (IDW), which included decontamination wash and rinse water, soil cuttings, purge water, debris, and used personal protective equipment (PPE), was containerized in Department of Transportation (DOT)-approved 55-gallon drums. The drums were sealed at the end of each work day and labeled with the date, the well or boring number(s), and the type of waste (e.g., drill cuttings, purge water). Parsons collected representative waste characterization samples of the IDW and coordinated transportation and disposal. Clean Earth of North Jersey, Inc. of Kearny, New Jersey disposed of the Site IDW at an offsite Con Edison-approved location in accordance with applicable local, state, and federal regulations.

#### 3.11 DATA VALIDATION AND REPORTING

Data validation was performed in accordance with the USEPA Region II standard operating procedures (SOPs) for organic and inorganic data review which were in effect at the time of data validation (USEPA 2006; 2008a.2008b). These validation guidelines are regional modifications to the National Functional Guidelines for organic and inorganic data review (USEPA, 1999 and 2004). Validation included the following:

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

The quality of the data has been assessed and is documented in the DUSR provided in Appendix F. In summary, the results of the data usability assessment show that the collected analytical data for soil, groundwater and soil gas are valid for the intended purposes of the RI.

## **REMEDIAL INVESTIGATION RESULTS**

This section presents the results of the RI. The goal of the RI to determine the extent of impacts related to former MGP operations identified during the previous Site Characterization Study. Field observations are summarized followed by a review of the analytical data for the soil, groundwater, and soil gas samples.

#### 4.1 SITE GEOLOGY

The geology encountered in the soil borings and test pits during the RI is summarized in the logs provided in Appendices A and B, and are interpreted in cross sections presented on Figures 7A, 7B, and 7C. The logs show that soil in the upper 5 feet (MW-8) to 12 feet (SB-11) west of the railway, upper 15 to 23 feet in the south and central portions and upper 26 to 38 feet in the north portions of the Site is characterized as urban fill. This material generally consists of sand, gravel and silt with various debris including cobbles, cement, brick, metal, wood fragments, etc. Natural deposits of fine to coarse-grained sand with some silt were encountered beneath the fill. These deposits were ranged from approximately 5 to 35 feet thick. Bedrock at the Site was encountered at depths ranging from approximately 39 t o 50 feet bgs, which translates into approximately 3.4 feet below MSL at SB-14 (i.e., upper / northern portion of the site) and 23.2 feet below MSL at SB-12 (i.e., central portion of the site)

#### 4.2 SITE HYDROGEOLOGY

A complete site-wide gauging event was conducted on January 3, 2013. The groundwater levels and corresponding elevations are summarized in Table 2. The January 3, 2013 groundwater elevations were used to produce a Site groundwater contour map (Figure 8). Groundwater contours based on the January 2013 gauging event indicate that the groundwater flow direction is predominantly to the west-northwest towards the Hudson River.

Additionally, the results of the tidal study indicate that groundwater elevations in monitoring wells MW-7, MW-8, and MW-9 are minimally influenced by tidal fluctuations in the Hudson River. The groundwater elevations in these wells showed coincident changes with the tides of less than 0.1 feet per tidal cycle. Such a small influence is not suspected to cause a change in groundwater flow directions in this area. With the exception of MW-7, response of groundwater elevations to tidal fluctuations were not detected in any of the on-site wells. Tidal study data and graphs are provided in Appendix D.

## 4.3 FORMER MGP STRUCTURES

The test pit and soil boring activities conducted during the Site Characterization confirmed that below-grade MGP structure remnants are present at the Site. Former MGP structures identified in the Manufactured Gas Plant History Report (*GEI*, 2003) are depicted on Figure 2. A summary of below-grade structures encountered during the Site Characterization and RI is provided below.

#### 250,000 Cubic Foot Holder

A total of three test pits (TP-01, TP-02 and TP-03) and three soil borings (SB-01, SB-04 and SB-08) were excavated in the footprint of the former 250,000 cubic foot holder. Based on field observations in these test pits and borings the bottom of the holder was encountered in all the test pits at depths ranging from 8.5 feet below grade (TP-01) to 9.5 feet below grade (TP-03). S imilarly, the apparent holder bottom was encountered at depths ranging from approximately 9 feet below grade (SB-04) to 10 feet below grade (SB-01). It should be noted that wood debris was encountered at 15 to 18 feet below grade in SB-01, suggesting a deeper holder bottom.

Remnants of the walls for the former 250,000 c ubic foot holder were encountered at depths ranging from 3.5 to 8.5 feet below grade (TP-02) to 0.5 to 9.5 feet below grade (TP-03). Wood debris was encountered

Groundwater and or NAPL were not detected in any of the test pits or soil boring completed within the former 250,000 holder. Coal tar NAPL was detected approximately 20 feet below grade (i.e., approximately 10 feet below the holder bottom) in soil boring SB-04.

Based on the cross-sections (Figures 7A to 7C), it is estimated that the bottom of the 250,000 cubic foot holder was located at depth of 18 feet below the lower portion of the site.

#### **Retort House**

A total of one test pit (TP-02) and one soil boring (SB-12) were excavated in the footprint of the former retort house.

Based on field observations in this test pit and boring remnants of the former retort house were encountered at depths of 4.5 to 6.5 feet bgs. It is likely that the remnants encountered represent the bottom of the structure,

Groundwater was detected in soil boring SB-12 at a depth of 7 feet bgs in soil boring SB-12. Coal tar NAPL was detected at approximately 11.5 feet bgs to 14 feet bgs, and 36 feet bgs to 38 feet bgs in soil boring SB-12.

Based on the cross-sections (Figures 7A to 7C), it is estimated that the bottom of the retorts were located at depth of 14 feet below the lower portion of the Site.

## Former Suspected MGP Facility Piping

During Site clearing activities, two 12-inch vertical cast iron pipe openings were uncovered north of test pit TP-4A, adjacent to the concrete block retaining wall, south of the 50,000 cubic foot holder. These pipe openings were observed to be open-ended couplings to the two 12-inch cast iron pipes and are likely to be associated with the onsite former MGP structures, likely the 50,000 cubic foot holder. It is believed these pipes formerly serviced the 50,000 cubic foot holder. NAPL was observed floating on the water. A sample of this NAPL (Exposed Pipe 1) was collected and submitted to META Environmental located in Watertown, MA for fingerprint analyses for MGP related residuals.

A total of two test pits (TP-4A and TP-4B) and one soil boring (SB-06) were excavated near these pipes. During excavation of TP-4A, the two pipes were exposed from 2 to 3 feet bgs. These pipes were observed extending in a southwestern trajectory under a subsurface square brick structure encountered from approximately 0.5 to 2 feet bgs. The pipes were not

encountered in TP-4B. Neither groundwater nor NAPL were encountered within the excavation of TP-4A or TP-4B. Due to the limited depth of these test pits, SB-06 was advanced in this area to identify any impacts related to the two pipes. NAPL was observed from 7 to 9 feet bgs.

Additionally, per NYSDEC's request, test pit TP-06 was excavated west of the railroad tracks along Federal Street in efforts to locate remnants of the "4" NAPHTHA PIPE", asshown on the 1886 S and Fire Insurance Map. No evidence of the former 4-inch naphtha pipe was detected during the test pit excavation.

## 22,800 Cubic Foot Holder

A total of one test pit (TP-05) and one soil boring (SB-05) were excavated in the footprint of the 22,800 cubic foot holder. Based on field observations in the test pit, the holder wall was encountered from 1.5 to 9 feet bgs.

Groundwater was encountered at 9 feet bgs within soil boring (SB-05). NAPL was detected at a depth of 22 feet bgs within soil boring SB-05.

Based on the cross-sections (Figures 7A to 7C), it is estimated that the bottom of the 22,800 cubic foot holder was located at a depth of 20 feet below the lower portion of the site.

## 50,000 Cubic Foot Holder

During the City of Yonkers' removal of its salt pile from the area of the Site adjacent to the concrete block retaining wall in the northern boundary of the lower (southern) portion of the Site, the southern edge of the former 50,000 cu ft holder wall was uncovered. Approximately 1 foot of this holder wall was exposed and was observed to be extending underneath the concrete block retaining wall. Further excavation could not be attempted in this location due to the presence of the retaining wall.

During excavation of soil boring SB-10, concrete and wood, which are interpreted to be remnants of the bottom of the former holder, were encountered in the 20 t o 22 feet bgs interval. NAPL was observed in this boring at approximate depths of 27 feet bgs to 42.5 feet bgs.

Based on cross-sections (Figures 7A to 7C), it is estimated that the bottom of the 50,000 cubic foot holder was located 18 feet below grade of lower portion of the Site.

# 4.4 ANALYTICAL RESULTS AND FIELD OBSERVATIONS

## 4.4.1 SUBSURFACE SOIL

A total of 22 subsurface soil samples were collected from the test pit and soil borings as part of the RI. In addition, a total of six QA/QC samples that included four matrix spike/matrix spike duplicate and two field duplicate samples were also collected. Soil samples were submitted to Chemtech and analyzed for TCL VOCs, TCL SVOCs, TAL metals, and cyanide as described in Section 3. The analytical results of the soil samples collected during the SCS and RI are summarized in Table 3 and presented on Figures 4, 5, and 6. The soil sample analytical data in the tables and figures are compared Soil Cleanup Objectives (USCOs) per 6 NYCRR Part 375 (NYSDEC, 2006) for unrestricted site use. Use of unrestricted SCOs is considered to be conservative since the Site is currently and will be used for commercial/industrial purposes in the forseeable future. The subsurface soil analytical data and field observations of NAPL and total VOCs measured in the field using PID are summarized below.

## Headspace VOCs (PID Measurements)

PID readings for soil samples collected during soil boring/monitoring well installations ranged from not detected to 2,254 ppm. The highest total-VOCs concentration measured using the PID of 2,254 ppm was detected in soil sample soil SB-10 (30 - 32 ft bgs). This elevated PID reading is attributable to the presence of residual NAPL observed between 27 and 42.5 feet bgs in this boring. In general, high PID readings were detected in soil associated with residual NAPL and or staining.

# NAPL Observations

During the RI, NAPL was observed in soils collected from:

- SB-10 (approximately 27 to 42.5 feet bgs). This boring was located within the footprint of the 50,000 cubic foot holder. NAPL was observed above and below the concrete and brick debris assumed to be related to the holder wall at this location. As shown on Figures 7B and 7C), the NAPL is occurs above the assumed holder bottom;
- SB-12 (approximately 11.5 14 and 36 38 feet bgs). This boring was located within the footprint of the former retort house. NAPL was observed shallow, within a sand layer at the approximate depth of the bottom of the retort house (Figure 7A). NAPL was also observed deeper within this boring, within weathered bedrock;
- SB-13 (approximately 47 to 49 feet bgs). This boring was located down gradient of the 50,000 cubic foot holder. NAPL was observed within weathered bedrock;
- SB-16 (approximately 30 to 36 feet bgs). This boring was located down gradient of the 50,000 c ubic foot holder. NAPL was observed within layers of bricks, presumably related to the former holder; and,
- MW-7 (approximately 35 to 40 feet bgs). This boring was located down gradient of the 50,000 c ubic foot holder. NAPL was observed within a clay layer, corresponding to the approximate depth of the former holder bottom (Figure 7C).

# <u>VOCs</u>

A total of 22 VOCs were detected at least once in the soil samples collected during the RI. Of these, seven VOC, namely acetone, benzene, ethyl benzene, methylene chloride, toluene, o-xylene, and m/p-xylene) were detected at concentrations exceeding their respective USCOs. Acetone and methylene chloride are common laboratory artifacts and are not considered as COI.

• Benzene was detected above its SCO in four soil samples [MW-7 (36-38), SB-10 (30-32), SB-13 (47-49), SB-16 (30-33)].

Ethylbenzene, toluene, o-xylene, and m/p-xylene were detected at concentrations exceeding their respective SCOs in four soil samples [MW-7 (36-38), SB-10 (30-32), SB-12 (12-14), SB-16

(30-33)]. Total VOCs concentrations in all soil samples ranged from non-detect to 1,986 milligrams/kilogram (mg/kg), which was detected in subsurface soil sample SB-10 (30 -32).

Exceedances of VOCs and or total VOCs were only detected in soil samples from borings where corresponded to the presence of NAPL was observed, namely SB-10, SB-12, SB-13, SB-16 and or SB-MW-7 within the respective soil borings. The vertical extent of VOCs impacts was delineated at each soil boring and test pit sample location (i.e. no USCOs were exceeded in the deepest sample collected), with the exception of locations SB-13 and SB-16.

In soil boring SB-13, benzene was detected above its USCO in the 47-49 ft bgs sample. However, the benzene concentration detected at SB-13 (0.085 mg/kg) was considerably lower than the Commercial SCO of 44 mg/kg. This was the interval directly above the weathered bedrock and contained NAPL.

In soil boring SB-16, acetone, a common laboratory contaminant was detected above its USCO in the 45-47 ft bgs sample. However, the acetone concentration detected at SB-16 (0.071 mg/kg) was considerably lower than the Commercial SCO of 500 mg/kg.

No other VOCs were detected above their respective USCOs in this sample.

## **SVOCs**

A total of 23 SVOCs were detected in soil samples collected during the RI. Of these, fifteen Polycyclic Aromatic Hydrocarbons (PAHs) (acenaphthene, acenaphthylene, anthracene, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenz(a,h)anthracene, fluoranthene, flourene, indeno(1,2,3-cd)pyrene, naphthalene, phenanthrene, and pyrene) were detected at concentrations exceeding their respective USCOs in soil samples MW-7 (36-38), SB-10 (30-32), SB-12 (12-14), and SB-16 (30-33).

Total SVOC concentrations ranged from non-detect to 13,716 mg/kg, which was detected at SB-10 (30-32) in a sample collected at a depth of 30 to 32 feet bgs.

Exceedances of SVOCs and or total SVOCs were only detected in soil samples from borings where NAPL was observed, namely SB-10, SB-12, SB-13, SB-16 and or SB-MW-7. The vertical extent of SVOC impacts were delineated at each soil boring, monitoring well boring, and test pit sample location.

#### **Inorganics**

A total of 23 inorganic constituents were detected in soil samples collected during the RI. Of these, seven inorganics (arsenic, chromium, copper, lead, mercury, nickel, and zinc) were detected at concentrations exceeding their respective USCOs in soil samples TP-6 Floor (5), MW-8 (9.5-10), MW-9 (9-9.5), SB-9 (5-8), SB-9 (28-30), SB-10 (30-32), SB-11 (5-5.5).

The vertical extent of impacts from inorganics was delineated at each soil boring and monitoring well boring, with the exception of location SB-9 where nickel was detected above the USCO in the deepest soil sample (collected from depth of 28 to 30 feet bgs). Additionally, inorganic constituents were detected at concentrations above USCOs in the bottom of test pit TP-06.

It should be noted that the majority of inorganic present above their respective USCO's are within soils encountered at MW-8, MW-9, SB-11, and TP-06, which are all located down gradient and off-site from the historical extent of the former MGP site (Figure 6). Sanborn Fire

Insurance Maps indicate that this offsite area was formerly in an area formerly identified as "open water" on historic maps of this area of Yonkers. Accordingly, this entire off-site area consists of fill material, which typically contains inorganics above USCOs. M etals are commonly detected in soil used as fill in urban areas.

#### 4.4.2 GROUNDWATER

Two rounds of groundwater sampling were conducted as part of the RI during November 2012 and April 2013.

During the November 2012 sampling event, six groundwater monitoring wells (MW-1, MW-3, MW-4, MW-7, MW-8, MW-9) were sampled. MW-2 and MW-5 were not sampled during this round because they had been inadvertently destroyed by current site operations. These wells were replaced in December 2012.

During the April 2013 sampling event eight monitoring wells (MW-1, MW-2, MW-3, MW-4, MW-5, MW-7, MW-8, MW-9) were sampled. Groundwater samples were analyzed for TCL VOCs, TCL SVOCs, TAL Metals, and total cyanide. Due to the high turbidity observed at monitoring wells MW-1 and MW-4 during the April 2013 s ampling event, unfiltered and laboratory filtered samples for metals analysis were collected from these wells.

Laboratory analytical results for constituents detected in the groundwater samples are summarized in Table 4. A nalytical results were compared with Ambient Water Quality Standards and Guidance Values (AWQSGV) and guidance values contained in NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 (NYSDEC, 1998) these standards and guidance values are protective of groundwater quality assuming that groundwater is used as a source of drinking water. That assumption is not applicable to the Site because groundwater is not used as a source of drinking water. Thus, the use of Class GA standards and guidance values for comparison to Site groundwater is conservative. The analytical results of the groundwater samples collected from each well are presented on Figures 9, 10, and 11. Field measurements and observations as well as analytical results from the groundwater investigation are summarized below.

## November 2012 Sampling Round

Groundwater analytical results are summarized in Table 4 and on Figures 9, 10, and 11.

## Field Measurements

With the exception of monitoring well MW-4, each monitoring well was sampled after purging and water quality parameters stabilized as described in Section 3.7. Monitoring well MW-4 exhibited a very slow recharge rate and ran dry several times prior to stabilization of water quality parameters. Accordingly, due to the small volume of water produced in this well a dissolved metal sample was not collected during this round of sampling.

During groundwater sampling activities, each well was monitored for the presence of NAPL. No NAPL or sheen was detected in any of the wells, with the exception of monitoring well MW-3 where NAPL globules and sheen were observed and monitoring well MW-7 where sheen was observed. Visual descriptions and observations made during the groundwater sampling activities are presented in the groundwater sampling records provided in Appendix C.

# <u>VOCs</u>

A total of 12 VOCs were detected at least once in the groundwater samples collected during the November 2012 sampling event.

- Of these, seven VOCs (isopropylbenzene, styrene, benzene, ethylbenzene, toluene, oxylene, and m/p-xylene) were detected at concentrations exceeding their respective AWQSGVs in groundwater samples collected from MW-3 and MW-7.
- Of the VOCs, the highest concentrations were detected for benzene, which was detected in groundwater monitoring wells MW-3 (NAPL observed within well) and MW-7 (screened through the interval where NAPL was observed in soil from 35 to 40 feet bgs). No VOCs were detected above their AWQSGVs in any other samples collected during the initial round of groundwater sampling.

## **SVOCs**

Nine PAHs and five other SVOCs were detected at least once in the groundwater samples collected during the November 2012 sampling event. Of these, three SVOCs (biphenyl (diphenyl), bis(2-ethylhexyl)phthalate, and naphthalene) were detected at concentrations exceeding their respective AWQSGVs.

- bis(2-ethylhexyl)phthalate is a common laboratory artifact and is not considered to be present. Biphenyl (diphenyl) and naphthalene were detected above their respective AWQSGV in groundwater samples collected from MW-3 and MW-7.
- Naphthalene was the most commonly detected SVOC, was detected above the Class GA AWQSGV in both MW-3 (NAPL observed within well) and MW-7 (screened through the interval where NAPL observed in soil, 35 to 40 feet bgs).

No other SVOCs were detected above their AWQSGVs in any of the monitoring wells during the first round of sampling.

#### Inorganics

A total of 24 inorganics were detected at least once in groundwater samples collected during the November 2012 sampling event. Of these, eighteen inorganics (antimony, arsenic, barium, beryllium, cadmium, chromium, copper, iron, lead, magnesium, manganese, mercury, nickel, selenium, sodium, thallium, zinc, and cyanide) were detected at concentrations exceeding their respective AWQSGVs.

- Antimony was detected above its AWQSGV in groundwater collected from four monitoring wells (MW-1, MW-3, MW-7, and MW-8).
- Iron was detected above its AWQSGV in groundwater collected from five monitoring wells (MW-1, MW-3, MW-4, MW-8, and MW-9).
- Lead was detected above its AWQSGV in groundwater collected from two monitoring wells (MW-4 and MW-8(dup)).

- Magnesium was detected above its AWQSGV in groundwater collected from three monitoring wells (MW-4, MW-7, and MW-9).
- Manganese was detected above its AWQSGV in groundwater collected from six monitoring wells (MW-1, MW-3, MW-4, MW-7, MW-8, and MW-9).
- Sodium was detected above its AWQSGV in groundwater collected from five monitoring wells (MW-1, MW-3, MW-4, MW-7, and MW-8).
- Monitoring well MW-4 exhibited an additional twelve inorganic constituents (arsenic, barium, beryllium, cadmium, chromium, copper, mercury, nickel, selenium, thallium, zinc, and cyanide) which were detected above their respective AWQSGVs.
- It is noted that of these; iron, manganese, magnesium and sodium are naturally-occurring inorganics commonly detected in groundwater. A dditionally, many other metals are commonly present in rock salt including lead and zinc. Iron cyanide is also often added to rock salt used for roadway de-icing as an anti-caking agent. The presence of many these inorganics in groundwater appear to be related to the storage of road salts at the lower portion of the site or in the case of offsite monitoring wells MW-8 and MW-9, the presence of historic fill containing these analytes.

## April 2013 Sampling Round

Groundwater analytical results are summarized in Table 4 and on Figures 9, 10, and 11.

#### Field Measurements

Each monitoring well was sampled upon reaching parameter stability and turbidity levels below 50 NTU with the exception of MW-1 and MW-4; both had very slow recharge and ran dry several times prior to stabilization of water quality parameters. A sample for dissolved metals was collected from both wells.

During groundwater sampling activities, each monitoring well was monitored for the presence of NAPL. No NAPL or sheens were noted in any of the wells with the exception of MW-3 and MW-7 where NAPL globules and sheens were observed. Visual descriptions and observations made during the groundwater sampling activities are presented on the groundwater sampling records provided in Appendix C.

## <u>VOCs</u>

A total of 14 VOCs were detected at least once in the groundwater samples collected during the April 2013 sampling event.

- Of these, eight (8) VOCs (acetone, isopropylbenzene, styrene, benzene, ethylbenzene, toluene, o-xylene, and m/p-xylene) were detected at concentrations exceeding their respective AWQSGVs.
- Isopropylbenzene was detected above its AWQSGV in groundwater collected from monitoring well MW-7.

- Styrene was detected above its AWQSGV in groundwater collected from monitoring well MW-3.
- Benzene, ethylbenzene, toluene, o-xylene, and m/p-xylene were detected above their respective AWQSGVs in three (3) monitoring wells (MW-3, MW-5, and MW-7).

No VOCs were detected above their AWQSGVs in any other sampled monitoring wells.

## **SVOCs**

Thirteen PAHs and six other SVOCs were detected at least once in the groundwater samples collected during the April 2013 s ampling event. O f these, nine (9) were detected at concentrations exceeding their AWQSGVs (biphenyl (diphenyl), acenaphthene, benzo(a)anthracene, benzo(a)pyrene,benzo(b)fluoranthene, chrysene, fluorene, naphthalene, and phenanthrene).

- Biphenyl (diphenyl), acenaphthene, benzo (a) anthracene, benzo (a) pyrene, benzo (b) fluoranthene, chrysene, and naphthalene were detected above their respective AWQSGVs in three (3) monitoring wells (MW-3, MW-5, and MW-7).
- Fluorene was detected above its AWQSGV in the duplicate groundwater sample collected from monitoring well MW-3.
- Phenanthrene was detected above its AWQSGV in groundwater collected from monitoring wells MW-3 and MW-7.

No other SVOCs were detected above their AWQSGVs in any of the monitoring wells.

## **Inorganics**

A total of 23 inorganics were detected at least once in groundwater samples collected during the April 2013 sampling event. Of these, 16 inorganics (antimony, arsenic, barium, beryllium, chromium, copper, iron, lead, magnesium, manganese, mercury, nickel, selenium, sodium, thallium, and cyanide) were detected at concentrations exceeding their respective AWQSGVs.

- Antimony was detected above its AWQSGV in groundwater collected from two monitoring wells (MW-2 and MW-5).
- Arsenic, chromium, copper, mercury, nickel, selenium, and thallium were detected above their respective AWQSGV s in groundwater collected from monitoring well MW-4.
- Barium was detected above its AWQSGV in groundwater collected from monitoring well MW-2.
- Iron, manganese and sodium were detected above their respective AWQSGVs in each of the seven monitoring wells sampled (MW-1, MW-2, MW-3, MW-4, MW-5, MW-7, MW-8, and MW-9).

- Lead was detected above its AWQSGV in groundwater collected from three monitoring wells (MW-3, MW-4, and MW-5).
- Magnesium was detected above its AWQSGV in groundwater collected from three monitoring wells (MW-5, MW-7, and MW-9).
- Thallium was detected above its AWQSGV in groundwater collected from monitoring well MW-9.
- Cyanide was detected above its AWQSGV in groundwater collected from monitoring well MW-2.

No other inorganics were detected above their AWQSGVs in any of the monitoring wells.

A total of 15 dissolved inorganics were detected at least once in groundwater samples collected during the RI. Of these, four inorganics (antimony, manganese, selenium, and sodium) were detected at concentrations exceeding their respective AWQSGVs. Manganese and sodium were detected above their respective AWQSGVs in groundwater collected from monitoring well MW-1 (up gradient well). A ntimony, manganese, selenium, and sodium were detected above their respective AWQSGVs in groundwater collected from monitoring well mW-1 (up gradient well). A ntimony, manganese, selenium, and sodium were detected above their respective AWQSGVs in groundwater collected from monitoring well mW-4. Dissolved organics sampling was limited to MW-1 and MW-4.

## 4.4.3 SOIL GAS SAMPLE RESULTS

The NYSDOH Guidance does not provide screening values for VOCs in soil vapor for comparison. A total of 15 VOCs were detected at least once in the soil gas samples collected during the RI. T he detected compounds are characterized into three general categories: chlorinated VOCs (CVOCs), non-MGP related compounds, and possibly MGP related compounds.

## CVOCs

1,1,1-Trichloroethane (TCA) and tetrachloroethene (PCE) were the only two CVOCs detected in the soil gas samples collected from the site. PCE was detected in all three samples, with the highest concentration present in SV-3. CVOCs are not soil gas contaminants associated with former MGP sites. TCA is a common degradation byproduct of PCE.

#### Non-MGP Related Compounds

Nine VOCs that are not considered MGP related or CVOCs were detected at low concentrations in the soil gas samples collected from the site, including 1,3-butadiene, 2,2,4-trimethylpentane, 2-butanone (methyl ethyl ketone), acetone, carbon disulfide, cyclohexane, Freon 12 (Dichlorodifluoromethane), heptanes, and hexane. The greatest total concentration of non-MGP related compounds was detected in SV-4. Many of these VOCs can be lab artifacts.

#### Possibly MGP Related Compounds

Compounds potentially related to MGP residues detected in the soil gas samples include benzene, toluene, ethylbenzene, and xylenes (BTEX). The greatest total concentration of possibly MGP related compounds was detected in SV-4. However, a review of data collected during SC and RI activities from MW-4 and SB-02 indicates the absence of these analytes in soil or groundwater, beyond an estimated concentration of benzene within soil at MW-04. Additionally, a review of the boring logs from both of these locations indicates the absence of any NAPL, staining, odors, or elevated PID readings, suggesting that the detection of these analytes within soil gas at SV-4 is from a non-MGP related source.

# EXTENT OF MGP NAPL IMPACTS

As noted in earlier sections of this document, the surface elevation of the lower and upper portion differ greatly, ranging from a surface elevation of 16.9 feet MSL at SB-04 to a surface elevation of 39.7 feet MSL at SB-13. The approximately 23 feet variance in grade is due to the City of Yonkers' placement there of various debris, across the northern portion of the Site and is the reason for its designation as the 'upper' portion of the Site.

In an effort to effectively show the distribution of coal tar residue in the subsurface, Figures 12 to 15 the occurrence of NAPL relative to remnant and former MGP structures and depth in the subsurface relative to the ground surface of the lower portion for the site are presented as depths relative to ground surface of the lower portion of the Site. For example, Figure 12 depicts the location of where NAPL was observed 6 to 11 feet below the assumed average ground surface of the lower portion of the Site (16 feet msl).

## 5.1 MGP NAPL – 6 TO 11 FEET

Figure 12 presents the location of relatively shallow NAPL detected on the Site at 6 to top of water table (approximately 11 feet below grade). This plan view NAPL area is approximately 50 feet wide and 100 feet long or 5,000 square feet. The northern section of this NAPL area, from the concrete block retaining wall towards SB-10 and SB-16 is likely related to the former 50,000 cubic foot holder. Cross-sections appear to indicate that the southern portion of this area is occurs down gradient of the former 22,800 cubic foot holder and the former 50,000 foot holder. As discussed previously, the VOC and SVOC impacts within soil are concurrent with and related to the presence of NAPL.

It should be noted that the area immediately to the north of the concrete block retaining wall was inaccessible due to a steep unstable slope. While the two NAPL areas are presumed to be connected as shown, it is possible that the areas are separate. This portion of NAPL impacts, while shown on this figure as present 6 to 11 feet below the lower parcel, some of these areas are covered with an additional 23 feet of fill. It is anticipated that this area will be investigated further during a pre-design investigation (PDI).

## 5.2 MGP NAPL – 11 TO 21 FEET

Figure 13 presents the occurrence of NAPL detected between 11 to 21 feet below grade. This area is approximately equivalent to a rectangle 75 feet wide and 100 feet long, or 7,500 square feet. Cross-sections on Figure 7A and Figure 7B indicate that the western section of this NAPL area at SB-07 and SB-12 are from the former 250,000 cubic foot holder or from the down gradient edge of the NAPL from the two smaller former gas holders. NAPL observed from the concrete block retaining wall towards SB-10 and SB-16 is related to the former 50,000 cubic foot holder. NAPL at SB-05 and SB-06, the southern portion of this area, is present down gradient of the former 22,800 cubic foot holder and the former 50,000 foot holder. As discussed previously, the VOC and SVOC impacts within soil are concurrent with and related to the presence of NAPL.

It should be noted that the area between SB-12 and MW-7, as well as the area immediately to the west of MW-7, were inaccessible due to a steep unstable slope. It is anticipated that this area will be investigated further during a pre-design investigation (PDI).

## 5.3 MGP NAPL – 21 TO 25 FEET

Figure 14 depicts the location of NAPL detected on the Site at 21 to 25 feet below the surface of the lower parcel. The NAPL detected at these depths are isolated at SB-04 (250,000 cubic foot gas holder), SB-05 (22,800 cubic foot gas holder), and SB-13 (50,000 cubic foot gas holder). The NAPL at SB-05 and SB-13 at this depth, appear to be the lower edges of the NAPL noted in Section 5.4. As discussed previously, the VOC and SVOC impacts within soil are concurrent with and related to the presence of NAPL.

## 5.4 MGP NAPL – DEEPER THAN 35 38 FEET

Figure 15 depicts the location of NAPL detected on the Site deeper than35 feet below grade. The NAPL detected at this depth is isolated to the vicinity of soil boring SB-12, at a depth above bedrock. It is believed that this NAPL migrated from upgradient locations at the two smaller holders. NAPL was not detected at SB-11, the down gradient location of boring SB-12. As discussed previously, the VOC and SVOC impacts within soil are concurrent with and related to the presence of NAPL.

# **EXPOSURE ASSESSMENT**

Information collected during the initial Site Characterization and the RI at the former Ludlow Street Works Site has been used to qualitatively assess potential exposure pathways for the various detected compounds in Site soils, groundwater, and soil vapor. The Site is located within an industrial district of a multi-use (i.e., residential and commercial) neighborhood and is currently used as a City of Yonkers Department of Public Works storage yard (lower portion of the Site) and fill deposition area (upper portion of the Site)

## 6.1 SOILS – VOCS, SVOCS AND MGP NAPL

As noted in earlier sections of this document, NAPL was detected at discrete locations in the subsurface ranging in depths from 6 to 38 feet below the surface of the lower portion of the Site. One VOC was detected above its USCO as shallow as 3 feet below ground surface (toluene at TP-4). However, all other VOC and SVOC impacts were concurrent with the observations of NAPL at onsite areas, with the highest VOC and SVOCs detected associated with NAPL in the vicinity of the foundation of the former 50,000 cubic foot gas holder. As discussed in Section 5, the majority of NAPL is present at depths deeper than 11 feet below the lower portion of the Site, and is covered with up to 40 feet of fill materials.

There is limited potential for shallow NAPL impacted soil to be encountered during intrusive maintenance activities adjacent to the concrete block wall. It is unlikely that these materials would be encountered during typical Site operations (i.e., use as a DPW storage yard). Most Site soils are covered with gravel and broken bituminous pavement and, for most of the year; the southern (or lower) portion of the Site is covered by a pile of road salt, limiting the potential exposure to humans or the environment.

VOCs, SVOCs and MGP NAPL are not present offsite, west of the railroad tracks.

## 6.2 SOILS – INORGANIC IMPACTS

Seven inorganics (arsenic, chromium, copper, lead, mercury, nickel, and zinc) were detected at concentrations exceeding their respective USCOs. A s noted in earlier portions of this document, the majority of inorganics present above USCO are within offsite soils encountered at MW-8, MW-9, SB-11, and TP-06, locations down gradient and off-site from the historical extent of the former MGP site. S anborn Fire Insurance Maps indicate that this offsite area was formerly in an area formerly identified as open water. Accordingly, this entire off-site area consists of non-native urban fill, which typically contains metals and other inorganic potential COI at concentrations above their SCOs.

Given the current depth below ground surface of remnant MGP structures, and the presence of the fill emplaced on the upper portion of the Site, it is assumed that these areas have been covered by historic fill materials, containing metals and other inorganics. As noted in Section 6.1, the lower portion of the site is covered by pavement, soil, and a salt pile, while the upper portion of the Site is covered approximately 15 feet of construction debris (e.g., wood, concrete, boulders, asphalt, gravel, etc.) and some vegetation. These cover materials limit the potential exposure to humans or the environment from the historic fill materials.

#### 6.3 GROUNDWATER – VOCS, SVOCS AND MGP NAPL

Analytical results indicated the presence of VOCs, PAHs, and inorganic concentrations in groundwater at the Site above the Class GA AWQSGV and guidance values. Two monitoring wells (MW-3 and MW-7) exceeded AWQSGV MGP-related VOCs and SVOCs during the first groundwater sampling round, and again during the second groundwater sampling round, along with replacement well MW-5.

Groundwater at the Site is currently not used for a potable water source and there are no plans for future use of potable or commercial/industrial groundwater at the Site. Groundwater flow direction is predominantly to the west - northwest towards the Hudson River. The depths to groundwater measured in on and off-site wells in January 2013 ranged from approximately 4 to 39 feet bgs which corresponds to elevations of approximately 2 to 6 feet MSL. Therefore, the potential for exposure to groundwater during intrusive subsurface activities is not anticipated.

#### 6.3 GROUNDWATER – FILL RELATED CONSTITUENTS

Several inorganic analytes were detected at the Site (including sodium, magnesium, and manganese) at concentrations exceeding Class GA Groundwater Standards. These analytes are not associated with MGP related operations. Their presence at high concentrations in both Site soils and in Site groundwater is believed to be due to use of the Site for road salt storage, or due to the presence of urban fill materials. These analytes are also present in offsite groundwater, down gradient of the Site. The presence of these analytes in the off-site downgradient wells is consistent with their proximity to the Hudson River, which is a saline water body.

#### 6.4 SOIL VAPOR

Soil vapor results indicate the presence of 15 VOCs in the soil gas samples collected during the RI. In an effort to assess the potential impact of these concentrations, these concentrations were compared to target concentrations in the document "USEPA OSWER Draft Guidance for Evaluating the Vapor Intrusion to Indoor Air Pathway from Groundwater and Soils (Subsurface Vapor Intrusion Guidance)" Table 2b, EPA530-D-02-004, November 2002. As noted on Table 5, none of the possibly related MGP VOCs exceeded the Target Soil Gas Concentrations. Based on this comparison, there appears to be no exposure risk to offsite buildings, related to soil vapor concentrations from MGP related contaminants.

# CONCLUSIONS AND RECOMMENDATIONS

#### 7.1 CONCLUSIONS

The results of the RI and SCS show that impacted soil and groundwater are associated with discrete on-site source areas in the southern portion of the Site where the former works operations took place. Due to the depth and occurrence of the impacted media and configuration of the Site, there are no current exposure risks. Impacts detected on the northern portion are isolated to the southern-most areas in the vicinity of the former 50,000 cu ft gas holder and retort house. The following provides a summary of the key findings.

- Remnants of the former MGP structures (lime house, purifying house, meter house, retort house 250,000 cubic foot holder, 22,00 cubic foot holder, 50,000 gas holder are present on the property.
- No evidence of the former tar pipe identified on the 1886 Sanborn Fire Insurance maps was observed in the field.
- An active sanitary force main is present offsite (21" vitrified clay east of Site); and abandoned sewer main (14-inch cast iron pipe) are present in the subsurface at the Site and offsite areas. The force main is operated by the Westchester County Department of Environmental Facilities. This active conveyance is present at a depth of approximately 12 feet bgs relative to the grade at the southern or lower portion of the Site and runs north-south along the eastern border of the Site. The 14-inch cast iron pipe is abandoned in place, generally bisecting the Site east-west through the northern portion of the Site, from the sanitary force main located along the eastern boundary of the Site.
- A storm sewer main, constructed of reinforced concrete pipe, according to the City of Yonkers, runs to the west-northwest from the southeast corner of the southern portion of the Site. This structure appears to extend beneath the MNRR right-of-way.
- Surface soil across the southern portion of the Site, where the predominance of MGP activities occurred, is covered by road salt, fill material, isolated remnant asphalt areas and abandoned concrete structures. Exposure to surface soils in the southern portion of the site is limited due to the extensive fill, salt piles and controlled access.
- Surface soil in the northern portions of the site that was present at grade when the MGP was operational, is currently covered by 15 to 20 feet of debris and fill that was placed there by the City of Yonkers subsequent to operations of the former MGP. Accordingly, there is no potential to encounter the former surface soils there. Furthermore, based on the historical records, this portion of the Site was not utilized during MGP operations and so it is not expected that former surface soils there contain impacts from the former MGP.

- Subsurface soil is comprised of three unconsolidated units, which are fill, sand, silt and clay, with isolated deposits of sand and cobbles, and gravel and sand, as shown on the cross sections on Figure 7A to Figure 7C. Fill, consisting of non-native soils, bricks, concrete and other debris, is encountered to depths up to 14 feet below the lower portion of the Site, below which sand is encountered to bedrock. In some areas of the site, the silt and clay layer is encountered from 14 to 24 feet below the lower portion of the site. NAPL and groundwater are predominantly found in the sand layer. G round water is encountered primarily within the sand layer, at an approximate depth of 14 feet below the lower portion of the site.
- Bedrock occurs at depths ranging from approximately 20 to 36 feet below grade of the lower portion of the site.
- Subsurface soil at the southern portion of the Site is impacted by residual coal tar and NAPL. The soil also contains elevated concentrations of VOCs and SVOCs associated with the 22,800 cu foot holder, the 250,000 cu foot holder, and the retort house (Figure 12 to Figure 15). The impacts in the areas surrounding these structures occur primarily in the soils within the respective structures and deeper soils outside of and in the vicinity of the structures above and below the water table, with the shallowest occurrences observed at depths below 6 to 11 feet bgs below the lower portion of the Site.
- Subsurface soil in the southern-most area of the northern portion of the Site are impacted by residual coal tar and NAPL associated with the 50,000 cu ft holder and retort house (Figure 12 to Figure 15). The impacts occur primarily inside the remnants of these structures and in the soils below the water table to a depth of approximately 25 feet bgs below the lower portion of the Site.
- Impacts were observed in the deep subsurface soil at 36 feet bgs below the lower portion of the Site at SB-12, within the footprint of former retort house and at 25 feet bgs below the lower portion of the site, within weathered bedrock at SB-13, outside of the 50,000 cu foot holder.
- Based on the historical records, the northern portion of the Site (north of the footprint of the 50,000 cubic foot holder), was not utilized during MGP operations and accordingly it is not likely that subsurface soils in this area contain impacts related to the former MGP.
- Groundwater occurs at depths that ranged from 9 to14 feet bgs of the lower portion of the Site and flows from the southeast to northwest across the Site (Figure 7). Where groundwater flows through soil containing MGP source material (e.g., coal tar NAPL or residual coal tar) it leaches the more soluble components of the coal tar, which include VOCs and SVOCs. As a result, groundwater in the vicinity of the source areas (as identified above) contained elevated concentrations of BTEX (VOCs) and some PAHs (SVOCs). This distribution is shown on Figure 9 and Figure 10. As previously noted, it is likely that impacted groundwater has migrated down gradient from the site to areas beneath the railroad right-of-way. D ue to the mild influence of tidal fluctuation on groundwater flow in areas closer to the Hudson River and the numerous natural
attenuation processes that occur in the subsurface (i.e., dilutions, dispersion, adsorption, biodegradation, etc.) it is not likely that impacted groundwater migrates a substantial distance from the on-site source areas.

- VOCs were detected at low levels in soil gas samples collected beneath buildings that currently occupy parcels adjacent to the site. There was no apparent evidence that VOCs detected in soil gas were migrating into the structures at these locations. Therefore, additional monitoring of soil gas is not warranted.
- Elevated concentrations of sodium, manganese, and magnesium detected in Site soil and groundwater are believed to be associated with use of the Site as a road salt storage facility, or due to the presence of urban fill materials.

### 7.2 **RECOMMENDATIONS**

Based on the RI activities, no a dditional investigation is recommended to delineate the impacts identified within the Site.

It is recommended that remedial alternatives be evaluated in order to address the subsurface impacts identified during the remedial investigation. P rior to identifying overall remedial approach and specific alternatives, Con Edison will consult with NYSDEC to review and consider the impacts and Site-specific conditions.

### **SECTION 8**

### REFERENCES

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# Table 1RI Sample SummaryFormer Ludlow Street Works SiteConsolidated Edison Company of New YorkRemedial Investigation - October 2012 through April 2013

Location	Sample ID	Depth (bgs)	TCL VOCs	TCL SVOCs	TAL Metals	Cyanide	TO-15 Modified	Dissolved Metals
	SC	DIL SAMPLES	5					
MW-7	MW-7 (36-38)	36-38'	Х	Х	Х	Х		
	MW-7 (48-50)	48-50'	Χ	Χ	Χ	Χ		
	MW-17 (36-38)*	36-38'	Χ	Χ	Χ	Χ		
MW-8	MW-8 (9.5-10)	9.5-10'	Х	Х	Х	Х		
	MW-8 24.5-25)	24.5-25'	Х	Х	Х	Х		
MW-9	MW-9 (35-35.5)	35-35.5'	Х	Х	Х	Х		
	MW-9 (9-9.5)	9-9.5'	Х	Х	Х	Х		
SB-9	SB-9 (5-8)	5-8'	Х	Х	Х	Х		
	SB-9 (28-30)	28-30'	Х	Х	Х	Х		
SB-10	SB-10 (30-32)	30-32'	Х	Х	Х	Х		
	SB-10 (45-47)	45-47'	Х	Х	Х	Х		
SB-11	SB-11 (5-5.5)	5-5.5'	Х	Х	Х	Х		
	SB-11 (29.5-30)	29.5-30'	Х	Х	Х	Χ		
SB-12	SB-12 (12-14)	12-14'	Х	Х	Х	Х		
	SB-12 (36-38)	36-38'	Х	Х	Х	Х		
SB-13	SB-13 (47-49)	47-49'	Х	Х	Х	Х		
SB-14	SB-14 (38-40)	38-40'	Х	Х	Х	Х		
	SB-14 (45-47)	45-47'	Х	Х	Х	Х		
	SB-14A (45-47)*	45-47'	Х	Х	Х	Х		
SB-16	SB-16 (30-33)	30-33'	Х	Х	Х	Х		
	SB-16 (45-47)	45-47'	Х	Х	Х	Х		
SB-17	SB-17 (33-35)	33-35'	Х	Х	Х	Х		
	SB-17 (45-47)	45-47'	Х	Х	Х	Х		
TP-6	TP-6 Floor	6'	Х	Х	Х	Х		
	GROUNDWATE	R SAMPLES -	Nov	embe	er 201	12	•	
MW-1	MW-1	NA	Х	Х	Х	X		
MW-3	MW-3	NA	X	X	X	X		
MW-4	MW-4	NA	X	X	X	X		
MW-7	MW-7	NA	X	X	X	X		
MW-8	MW-8	NA	X	X	X	X		
MW-8	MW-18*	NA	X	X	X	X		
MW-9	MW-9	NA	X	X	X	X		
	GROUNDWAT	TER SAMPLE	S - A	pril 2	2013			
MW-1	MW-1	NA	X	X	X	X		X
MW-2	MW-2	NA	X	X	X	X		
MW-3	IVI W - 5	NA	X	X	X	X		
IVIW-3	MW-3A*	NA NA	X	X	X	X		V
MW-4	IVI W -4	NA	X	X	X	X		X
IVI W - 5	IVI W - D	INA NA	X	X	X	X		
IVI W - /	IVI W - /	INA NA	X V	X V	X V	X V		
MW 0		INA NA	Λ V	Λ V				
1111 11 -2	111 11 -7	11/1	~~	$\Lambda$	$\Lambda$	$\Lambda$	1	

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# Table 1RI Sample SummaryFormer Ludlow Street Works SiteConsolidated Edison Company of New YorkRemedial Investigation - October 2012 through April 2013

Location	Sample ID	Depth (bgs)	TCL VOCs	TCL SVOCs	TAL Metals	Cyanide	TO-15 Modified	Dissolved Metals
	SOIL	GAS SAMPL	ES					
SV-1/SB-9	SV-1	7'					Х	
SV-3	SV-3	8'					Х	
SV-4	SV-4	8'					Х	

X - Indicates sample was analyzed

\* - Indicates a duplicate sample.

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	Top of Casing	11/19	/2012	1/3/	2013	4/5/2013		
Wall ID	Floyation (foot	Depth to	Groundwater	Depth to	Groundwater	Depth to	Groundwater	
wen iD		Water	Elevation	Water	Elevation	Water	Elevation	
	AWISL)	(feet)	(feet AMSL)	(feet)	(feet AMSL)	(feet)	(feet AMSL)	
MW-1	20.35	13.95	6.40	14.06	6.29	13.36	6.99	
MW-2	16.24	$NA^{(1)}$	$NA^{(1)}$	10.45	5.79	10.92	5.32	
MW-3	19.35	16.33	3.02	16.51	2.84	16.49	2.86	
MW-4	19.28	14.09	5.19	14.15	5.13	13.92	5.36	
MW-5	15.16	$NA^{(1)}$	$NA^{(1)}$	11.23	3.93	12.05	3.11	
MW-7	42.03	39.08	2.95	39.19	2.84	39.00	3.03	
MW-8	5.20	5.06	2.08	5.20	1.94	NA <sup>(2)</sup>	NA <sup>(2)</sup>	
MW-9	6.35	4.23	2.12	4.38	1.97	4.15	2.20	

Notes:

(1) Monitoring well destroyed by DPW site activities, replaced in December 2012.

(2) Access blocked during sampling activities.

AMSL = Above Mean Sea Level

Elevations are based on the North American Vertical Datum of 1988 (NAVD88).

					Dup of MW-7(36-38)					
Con Ed - Lu	dlow Site		Location ID:	MW- 7	MW- 7	MW- 7	MW-8	MW-8	MW-9	MW-9
Validated So	oil Analytical Data		Sample ID:	MW-7(36-38)	MW-17(36-38)	MW-7(48-50)	MW-8(9.5-10)	MW-8(24.5-25)	MW-9(9-9.5)	MW-9(35-35.5)
Detected Co	mpound Summary		Lab Sample Id	D4710-03	D4710-09	D4710-04	D4751-03	D4751-04	D4751-06	D4751-05
			Depth:	36 - 38 ft	36 - 38 ft	48 - 50 ft	9.5 - 10 ft	24.5 - 25 ft	9 - 9.5 ft	35 - 35.5 ft
			Source:	CTECH	CTECH	CTECH	CTECH	CTECH	CTECH	CTECH
			SDG:	D4710	D4710	D4710	D4751	D4751	D4751	D4751
		Unrestricted Use	Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		Soil Cleanup	Sampled:	10/26/2012 9:10	10/26/2012 9:15	10/26/2012 9:20	11/6/2012 14:15	11/6/2012 14:20	11/6/2012 10:00	11/6/2012 10:05
		Objectives	Validated:	1/23/2013	1/23/2013	1/23/2013	1/23/2013	1/23/2013	1/23/2013	1/23/2013
CAS NO.	COMPOUND		UNITS:							
	VOLATILES									
67-64-1	ACETONE	0.05	mg/kg	ND	ND	ND	0.051	ND	ND	ND
71-43-2	BENZENE	0.06	mg/kg	7.1 J	5.3	0.0013 J	0.0023 J	ND	ND	ND
75-15-0	CARBON DISULFIDE		mg/kg	ND	ND	0.0013 J	0.0049 J	ND	ND	ND
74-87-3	CHLOROMETHANE		mg/kg	ND	ND	ND	ND	ND	ND	ND
110-82-7	CYCLOHEXANE		mg/kg	0.062 J	0.0082 J	ND	ND	ND	ND	ND
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE		mg/kg	ND	ND	ND	ND	ND	ND	ND
95-50-1	1,2-DICHLOROBENZENE	1.1	mg/kg	ND	ND	ND	ND	ND	ND	ND
541-73-1	1,3-DICHLOROBENZENE	2.4	mg/kg	ND	ND	ND	ND	ND	ND	ND
106-46-7	1,4-DICHLOROBENZENE	1.8	mg/kg	ND	ND	ND	ND	ND	ND	ND
75-71-8	DICHLORODIFLUOROMETHANE		mg/kg	ND	ND	ND	0.0034 J	ND	ND	ND
75-34-3	1,1-DICHLOROETHANE	0.27	mg/kg	ND	ND	ND	ND	ND	ND	ND
100-41-4	ETHYLBENZENE	1	mg/kg	30 J	48	0.0017 J	ND	ND	ND	ND
98-82-8	ISOPROPYLBENZENE (CUMENE)		mg/kg	6.2 J	3.6	ND	ND	ND	ND	ND
108-87-2	METHYLCYCLOHEXANE		mg/kg	0.21 J	0.046 J	ND	ND	ND	ND	ND
75-09-2	METHYLENE CHLORIDE	0.05	mg/kg	ND	ND	ND	ND	ND	ND	ND
100-42-5	STYRENE		mg/kg	0.89	0.96 J	ND	ND	ND	ND	ND
79-34-5	1,1,2,2-TETRACHLOROETHANE		mg/kg	ND	ND	ND	ND	ND	ND	ND
108-88-3	TOLUENE	0.7	mg/kg	15 J	18	0.0013 J	ND	ND	ND	ND
87-61-6	1,2,3-TRICHLOROBENZENE		mg/kg	ND	ND	ND	ND	ND	ND	ND
120-82-1	1,2,4-TRICHLOROBENZENE		mg/kg	ND	ND	ND	ND	ND	ND	ND
XYLMP	M,P-XYLENE (SUM OF ISOMERS)	0.26	mg/kg	34 J	54	0.002 J	ND	ND	ND	ND
95-47-6	O-XYLENE (1,2-DIMETHYLBENZENE)	0.26	mg/kg	18 J	28	ND	ND	ND	ND	ND
	Total VOCs	NS	mg/kg	111.462	157.9142	0.0076	0.0616	ND	ND	ND
	SEMIVOLATILES									
92-52-4	BIPHENYL (DIPHENYL)		mg/kg	7	11	ND	ND	ND	ND	ND
117-81-7	BIS(2-ETHYLHEXYL) PHTHALATE		mg/kg	ND	ND	ND	ND	ND	ND	ND
86-74-8	CARBAZOLE		mg/kg	0.55	0.7	ND	ND	ND	ND	ND
132-64-9	DIBENZOFURAN		mg/kg	2.2	2.8	ND	ND	ND	ND	ND
131-11-3	DIMETHYL PHTHALATE		mg/kg	0.221 J	0.226 J	ND	0.215 J	0.221 J	0.292 J	0.2 J
84-74-2	DI-N-BUTYL PHTHALATE		mg/kg	ND	ND	ND	ND	ND	ND	ND
	PAHs									
83-32-9	ACENAPHTHENE	20	mg/kg	15 J	21 J	ND	ND	ND	ND	ND
208-96-8	ACENAPHTHYLENE	100	mg/kg	12	16	ND	ND	ND	ND	ND
120-12-7	ANTHRACENE	100	mg/kg	13	20	ND	ND	ND	ND	ND
56-55-3	BENZO(A)ANTHRACENE	1	mg/kg	8.3	13	ND	0.26 J	ND	ND	ND

					Dup of MW-7(36-38)					
Con Ed - Luc	llow Site		Location ID:	MW- 7	MW- 7	MW- 7	MW-8	MW-8	MW-9	MW-9
Validated So	il Analytical Data		Sample ID:	MW-7(36-38)	MW-17(36-38)	MW-7(48-50)	MW-8(9.5-10)	MW-8(24.5-25)	MW-9(9-9.5)	MW-9(35-35.5)
Detected Cor	mpound Summary		Lab Sample Id	D4710-03	D4710-09	D4710-04	D4751-03	D4751-04	D4751-06	D4751-05
			Depth:	36 - 38 ft	36 - 38 ft	48 - 50 ft	9.5 - 10 ft	24.5 - 25 ft	9 - 9.5 ft	35 - 35.5 ft
			Source:	CTECH	CTECH	CTECH	CTECH	CTECH	CTECH	CTECH
			SDG:	D4710	D4710	D4710	D4751	D4751	D4751	D4751
		Unrestricted Use	Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		Soil Cleanup	Sampled:	10/26/2012 9.10	10/26/2012 9.15	10/26/2012 9.20	11/6/2012 14:15	11/6/2012 14:20	11/6/2012 10:00	11/6/2012 10:05
		Objectives	Validated:	1/23/2013	1/23/2013	1/23/2013	1/23/2013	1/23/2013	1/23/2013	1/23/2013
CAS NO	COMPOUND	objectives	UNITS	1120/2010	112012010	112012010	1120/2010	1120/2010	1120/2010	1125/2015
enono.	VOLATILES		ertitis.							
50-32-8	BENZO(A)PYRENE	1	mø/kø	57 I	9 I	ND	0.26 I	ND	ND	ND
205-99-2	BENZO(B)FLUORANTHENE	1	mg/kg	44 I	66 I	ND	031	ND	ND	ND
191-24-2	BENZO(G H DPER YI ENE	100	mg/kg	2.4 I	291	ND	0.22 I	ND	ND	ND
207-08-9	BENZO(K)ELUORANTHENE	0.8	mg/kg	17	2.2	ND	ND	ND	ND	ND
218-01-9	CHRYSENE	1	mg/kg	8	12	ND	0.29 1	ND	ND	ND
53-70-3	DIBENZ(A H)ANTHRACENE	0.33	mg/kg	0.72	0.88	ND	ND	ND	ND	ND
206-44-0	FLUORANTHENE	100	mg/kg	14	23	ND	0.57	ND	ND	ND
200-44-0	ELUOPENE	30	mg/kg	22	25	ND	ND	ND	ND	ND
103-30-5	INDENO(1.2.3-C.D)PVRENE	0.5	mg/kg	21	27	ND	0.17 I	ND	ND	ND
01 57 6	2 METHVI NABUTUAI ENE	0.5	mg/kg	110	120	ND	ND	ND	ND	ND
01 20 3	NADUTUAI ENE	12	mg/kg	220	240	ND	ND	ND	ND	ND
91-20-3 85 01 8	DUENANTUDENE	100	mg/kg	60	240	ND	0.48	ND	ND	ND
120.00.0	DVDENE	100	mg/kg	26	24 I	ND	0.48	ND	ND	ND
129-00-0	I I KENE	100	mg/kg	20	54 J	ND	0.55	ND	ND	ND
	Total PAHs		mg/kg	525.32	639.28	ND	3.1	ND	ND	ND
			00							
	Total SVOCs		mg/kg	535.291	654.006	ND	3.315	0.221	0.292	0.2
	INORGANICS									
7429-90-5	ALUMINUM		mg/kg	7150	6870	2050	4920 J	8550 J	13400 J	2710 J
7440-38-2	ARSENIC	13	mg/kg	2.45	2.47	1.55	9.24 J	2.16 J	ND	0.75 J
7440-39-3	BARIUM	350	mg/kg	57.6	54	36.9	73 J	85.6 J	177 J	60.2 J
7440-41-7	BERYLLIUM	7.2	mg/kg	0.28	0.29	0.08 J	ND	0.33	0.13 J	0.07 J
7440-43-9	CADMIUM	2.5	mg/kg	0.48	0.45	0.03 J	1.32	0.66	2.17	0.19
7440-70-2	CALCIUM		mg/kg	1350	1340	709	3220 J	1870 J	2660 J	13000 J
7440-47-3	CHROMIUM, TOTAL	30	mg/kg	13.6 J	13.7 J	4.91 J	31.2 J	15.8 J	28.1 J	6.01 J
7440-48-4	COBALT		mg/kg	7.95	7.44	2.66	6.63	10.7	27.8	3.85
7440-50-8	COPPER	50	mg/kg	16 J	16.2 J	8.56 J	93.7 J	18.8 J	7.84 J	8.4 J
7439-89-6	IRON		mg/kg	22400	21300	5950	33500	24400	41900	6990
7439-92-1	LEAD	63	mg/kg	14.4	14.6	3.07	170	16.1	17.4	4.01
7439-95-4	MAGNESIUM		mg/kg	3170	3100	1310	2310 J	4040 J	7840 J	6590 J
7439-96-5	MANGANESE	1600	mg/kg	180	135	44.7	240 J	427 J	251 J	192 J
7439-97-6	MERCURY	0.18	mg/kg	0.011 J	0.006 J	0.003 J	4.03	ND	0.425	ND
7440-02-0	NICKEL	30	mg/kg	23	22	8.83	19.4	26.5	48.6	10.6
7440-09-7	POTASSIUM		mg/kg	1980	1960	562	1530 J	2600 J	10700 J	860 J
7782-49-2	SELENIUM	3.9	mg/kg	ND	ND	0.52	0.57	0.26 J	0.5	ND
7440-22-4	SILVER	2	mg/kg	0.5	0.47	0.1 J	0.36	0.57	0.23 J	ND
7440-23-5	SODIUM		mg/kg	2090	2190	195	627 J	662 J	402 J	1080 J
7440-28-0	THALLIUM		mg/kg	0.46 J	0.48 J	ND	1.23	0.52 J	ND	ND
7440-62-2	VANADIUM		mg/kg	18	17.7	5.98	15.3 J	21.2 J	38.8 J	9.23 J
7440-66-6	ZINC	109	mg/kg	36.1	39.3	13.7	96.8	47.2	97.6	14.5
57-12-5	CYANIDE	27	ma/ka	0.29.1	0.362	0.171 I	0.097 I	ND	0.087 I	0.075 I

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.

Con Ed - Lu	dlow Site		Location ID:	SB- 9	SB- 9	SB-10	SB-10	SB-11	SB-11	SB-12
Validated Se	nil Analytical Data		Sample ID:	SB-9(5-8)	SB-9(28-30)	SB-10(30-32)	SB-10(45-47)	SB-11(5-5.5)	SB-11(29 5-30)	SB-12(12-14)
Detected Co	mpound Summary		Lab Sample Id	D4710-07	D4710-08	D4710-01	D4710-02	D4751-01	D4751-02	D4751-07
			Depth:	5 - 8 ft	28 - 30 ft	30 - 32 ft	45 - 47 ft	5 - 5.5 ft	29.5 - 30 ft	12 - 14 ft
			Source:	CTECH	CTECH	CTECH	CTECH	CTECH	CTECH	CTECH
			SDG	D4710	D4710	D4710	D4710	D4751	D4751	D4751
		Unrestricted Use	Matrix	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		Soil Cleanup	Sampled	10/26/2012 14:15	10/26/2012 14:55	10/25/2012 12:10	10/25/2012 12:40	11/6/2012 12:05	11/6/2012 12:10	11/5/2012 10:10
		Objectives	Validated:	1/23/2012	1/23/2012 14:55	1/23/2012 12:10	1/23/2012 12:40	1/23/2013	1/23/2013	1/23/2012 10:10
CAS NO	COMPOUND	Objectives	UNITS:	1/25/2015	1/25/2015	1/25/2015	1/25/2015	1/25/2015	1/25/2015	1125/2015
CHB HO.	VOLATILES		ciuis.							
67-64-1	ACETONE	0.05	mø/kø	0.14	0.017 I	ND	ND	ND	ND	ND
71-43-2	BENZENE	0.06	mg/kg	0.028 J	0.0079	210	ND	ND	ND	ND
75-15-0	CARBON DISULFIDE		mg/kg	ND	ND	0.041	ND	0.0028 1	ND	ND
74-87-3	CHLOROMETHANE		mg/kg	ND	ND	ND	ND	ND	ND	ND
110-82-7	CYCLOHEXANE		mg/kg	ND	ND	0.057	ND	ND	ND	ND
96-12-8	1 2-DIBROMO-3-CHI OROPROPANE		mg/kg	ND	ND	R	ND	ND	ND	ND
95-50-1	1.2-DICHLOROBENZENE	11	mg/kg	ND	ND	R	ND	ND	ND	ND
541-73-1	1 3-DICHLOROBENZENE	2.4	mg/kg	ND	ND	R	ND	ND	ND	ND
106-46-7	1.4-DICHLOROBENZENE	1.8	mg/kg	ND	ND	R	ND	ND	ND	ND
75-71-8	DICHLORODIFLUOROMETHANE		mg/kg	ND	ND	ND	ND	ND	ND	ND
75-34-3	1 1-DICHLOROETHANE	0.27	mg/kg	ND	ND	ND	ND	ND	ND	ND
100-41-4	ETHYLBENZENE	1	mg/kg	0.0031 I	0.002 I	540	ND	ND	ND	91
98-82-8	ISOPROPYLBENZENE (CUMENE)		mg/kg	ND	ND	29 I	ND	ND	ND	1
108-87-2	METHYL CYCLOHEXANE		mg/kg	ND	ND	0.18	ND	ND	ND	69
75-09-2	METHYLENE CHLORIDE	0.05	mg/kg	ND	ND	0.16 I	ND	ND	ND	ND
100-42-5	STYRENE		mg/kg	ND	ND	71 I	ND	ND	ND	0.29 I
79-34-5	1.1.2.2-TETRACHLOROETHANE		mg/kg	ND	ND	R	ND	ND	ND	ND
108-88-3	TOLUENE	0.7	mg/kg	0.011 I	0.0059 I	510	ND	ND	ND	15
87-61-6	1 2 3-TRICHLOROBENZENE		mg/kg	ND	ND	R	ND	ND	ND	ND
120-82-1	1.2.4-TRICHLOROBENZENE		mg/kg	ND	ND	R	ND	ND	ND	ND
XYLMP	M P-XYLENE (SUM OF ISOMERS)	0.26	mg/kg	0.0021 I	0.0015 I	470	ND	ND	ND	11
95-47-6	0-XYI ENE (1 2-DIMETHYI BENZENE	0.26	mg/kg	ND	ND	220	ND	ND	ND	57
<i>)0</i> . <i>i</i> 0		0.20		112	112	220	112	112	112	5.7
	Total VOCs	NS	mg/kg	0.1842	0.0343	1986.538	ND	0.0028	ND	97.59
	SEMIVOLATILES									
92-52-4	BIPHENYL (DIPHENYL)		mg/kg	ND	ND	200	ND	ND	ND	10
117-81-7	BIS(2-ETHYLHEXYL) PHTHALATE		mg/kg	ND	ND	ND	ND	ND	ND	ND
86-74-8	CARBAZOLE		mg/kg	ND	ND	13	ND	ND	ND	ND
132-64-9	DIBENZOFURAN		mg/kg	ND	ND	43	ND	ND	ND	2.5
131-11-3	DIMETHYL PHTHALATE		mg/kg	0.161 J	ND	ND	ND	0.296 J	0.284 J	ND
84-74-2	DI-N-BUTYL PHTHALATE		mg/kg	ND	ND	ND	ND	ND	ND	ND
	PAHs		0.0							
83-32-9	ACENAPHTHENE	20	mg/kg	ND	ND	320 J	ND	ND	ND	9.1
208-96-8	ACENAPHTHYLENE	100	mg/kg	ND	ND	370	0.2 J	ND	ND	50
120-12-7	ANTHRACENE	100	mg/kg	ND	ND	370	ND	ND	ND	22
56-55-3	BENZO(A)ANTHRACENE	1	mg/kg	0.29 J	ND	220	ND	ND	ND	11

Con Ed - Lud	llow Site		Location ID:	SB- 9	SB- 9	SB-10	SB-10	SB-11	SB-11	SB-12
Validated So	il Analytical Data		Sample ID:	SB-9(5-8)	SB-9(28-30)	SB-10(30-32)	SB-10(45-47)	SB-11(5-5.5)	SB-11(29.5-30)	SB-12(12-14)
Detected Cor	npound Summary		Lab Sample Id	D4710-07	D4710-08	D4710-01	D4710-02	D4751-01	D4751-02	D4751-07
			Depth:	5 - 8 ft	28 - 30 ft	30 - 32 ft	45 - 47 ft	5 - 5.5 ft	29.5 - 30 ft	12 - 14 ft
			Source:	CTECH	CTECH	CTECH	CTECH	CTECH	CTECH	CTECH
			SDG:	D4710	D4710	D4710	D4710	D4751	D4751	D4751
		Unrestricted Use	Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		Soil Cleanup	Sampled:	10/26/2012 14:15	10/26/2012 14:55	10/25/2012 12:10	10/25/2012 12:40	11/6/2012 12:05	11/6/2012 12:10	11/5/2012 10:10
		Objectives	Validated:	1/23/2013	1/23/2013	1/23/2013	1/23/2013	1/23/2013	1/23/2013	1/23/2013
CAS NO.	COMPOUND	, i i i i i i i i i i i i i i i i i i i	UNITS:							
	VOLATILES									
50-32-8	BENZO(A)PYRENE	1	mg/kg	0.28 J	ND	150 J	ND	ND	ND	7.2
205-99-2	BENZO(B)FLUORANTHENE	1	mg/kg	0.38 J	ND	97 J	ND	ND	ND	5.5
191-24-2	BENZO(G,H,I)PERYLENE	100	mg/kg	0.17 J	ND	42 J	ND	ND	ND	2.1
207-08-9	BENZO(K)FLUORANTHENE	0.8	mg/kg	ND	ND	32	ND	ND	ND	1.7 J
218-01-9	CHRYSENE	1	mg/kg	0.32 J	ND	220	ND	ND	ND	10
53-70-3	DIBENZ(A,H)ANTHRACENE	0.33	mg/kg	ND	ND	12	ND	ND	ND	ND
206-44-0	FLUORANTHENE	100	mg/kg	0.56	ND	400	ND	ND	ND	22
86-73-7	FLUORENE	30	mg/kg	ND	ND	550	ND	ND	ND	33
193-39-5	INDENO(1,2,3-C,D)PYRENE	0.5	mg/kg	0.19 J	ND	37	ND	ND	ND	2
91-57-6	2-METHYLNAPHTHALENE		mg/kg	ND	ND	2800	ND	ND	ND	160
91-20-3	NAPHTHALENE	12	mg/kg	ND	ND	5700	0.21 J	ND	ND	310
85-01-8	PHENANTHRENE	100	mg/kg	0.32 J	ND	1500	ND	ND	ND	94
129-00-0	PYRENE	100	mg/kg	0.47	ND	640	ND	ND	ND	29
	Total PAHs		mg/kg	2.98	ND	13460	0.41	ND	ND	768.6
	Total SVOCs		ma/ka	3 141	ND	13716	0.41	0.296	0.284	781.1
	INORGANICS		ing/kg	5.141	T(D)	15/10	0.41	0.290	0.204	701.1
7429-90-5	ALUMINUM		mø/kø	7070	9490	3130	4490	4170 I	5890 I	4120 I
7440-38-2	ARSENIC	13	mg/kg	7 78	3	7 21	1.23	18 3 I	131	0.9.1
7440-39-3	BARIUM	350	mg/kg	157	96	30.9	55.6	156 J	63.3 I	31.9 I
7440-41-7	BERYLLIUM	7 2	mg/kg	0.11.1	0 39	0.04 I	0.2	ND	03	0.14 J
7440-43-9	CADMIUM	2.5	mg/kg	1.24	0.7	1.75	0.29	0.16 J	0.42	0.35
7440-70-2	CALCIUM		mg/kg	5480	2540	9540	13000	2260 J	12200 J	952 J
7440-47-3	CHROMIUM, TOTAL	30	mg/kg	16.7 J	18.4 J	5.38 J	8.9 J	9.93 J	11.7 J	9.3 J
7440-48-4	COBALT		mg/kg	7.34	11.9	3.4	5.38	6.31	6.51	6.88
7440-50-8	COPPER	50	mg/kg	44.1 J	20.5 J	26.5 J	11.8 J	69.6 J	12.1 J	11 J
7439-89-6	IRON		mg/kg	29900	28600	13200	12600	26800	14600	10300
7439-92-1	LEAD	63	mg/kg	462	18.1	215	8.81	30	10.5	45.3
7439-95-4	MAGNESIUM		mg/kg	2280	5050	5480	5450	1690 J	5740 J	1870 J
7439-96-5	MANGANESE	1600	mg/kg	284	414	277	290	803 J	319 J	191 J
7439-97-6	MERCURY	0.18	mg/kg	2.33	ND	0.381	ND	1.17	ND	ND
7440-02-0	NICKEL	30	mg/kg	21.2	31.1	12.2	14.3	17.5	16.6	11.2
7440-09-7	POTASSIUM		mg/kg	655	2730	352	1470	1500 J	2190 J	957 J
7782-49-2	SELENIUM	3.9	mg/kg	0.49	0.33 J	1.95	ND	1	ND	ND
7440-22-4	SILVER	2	mg/kg	0.79	0.67	0.15 J	0.09 J	0.51	0.14 J	0.1 J
7440-23-5	SODIUM		mg/kg	1150	148	4300	150	867 J	2520 J	5360 J
7440-28-0	THALLIUM		mg/kg	1.13	0.74 J	1.15	0.18 J	0.46 J	0.34 J	ND
7440-62-2	VANADIUM		mg/kg	16.7	22.5	7.59	13.1	14.8 J	15.3 J	12.7 J
7440-66-6	ZINC	109	mg/kg	268	50.8	506	22.9	88.4	27	18.6
57-12-5	CYANIDE	27	mø/kø	0.211 I	0.244 I	4.4	0.172 I	0 133 I	0.042 I	0.434

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.

								Dup of SB-14(45-47)		
Con Ed - Lu	dlow Site		Location ID:	SB-12	SB-13	SB-14	SB-14	SB-14	SB-16	SB-16
Validated S	oil Analytical Data		Sample ID:	SB-12(36-38)	SB-13(47-49)	SB-14(38-40)	SB-14(45-47)	SB-14A(45-47)	SB-16(30-33)	SB-16(45-47)
Detected Co	mpound Summary		Lab Sample Id	D4751-08	D4751-09	D5300-03	D5300-06	D5300-07	D5300-01	D5300-02
			Depth:	36 - 38 ft	47 - 49 ft	38 - 40 ft	45 - 47 ft	45 - 47 ft	30 - 33 ft	45 - 47 ft
			Source:	CTECH	CTECH	CTECH	CTECH	CTECH	CTECH	CTECH
			SDG:	D4751	D4751	D5300	D5300	D5300	D5300	D5300
		Unrestricted Use	Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		Soil Cleanup	Sampled:	11/5/2012 11:00	11/5/2012 15:05	12/21/2012 10:50	12/21/2012 11:50	12/21/2012 12:00	12/20/2012 16:10	12/20/2012 17:10
		Objectives	Validated:	1/23/2013	1/23/2013	1/23/2013	1/23/2013	1/23/2013	1/23/2013	1/23/2013
CAS NO.	COMPOUND		UNITS:							
	VOLATILES									
67-64-1	ACETONE	0.05	mg/kg	ND	ND	ND	0.027 J	0.026 J	ND	0.071
71-43-2	BENZENE	0.06	mg/kg	ND	0.085	ND	ND	ND	17.2	ND
75-15-0	CARBON DISULFIDE		mg/kg	ND	0.0026 J	ND	ND	ND	ND	ND
74-87-3	CHLOROMETHANE		mg/kg	ND	ND	ND	ND	ND	0.32 J	ND
110-82-7	CYCLOHEXANE		mg/kg	ND	0.0017 J	ND	ND	ND	ND	ND
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE		mg/kg	ND	ND	ND	R	R	ND	R
95-50-1	1,2-DICHLOROBENZENE	1.1	mg/kg	ND	ND	ND	ND	ND	ND	ND
541-73-1	1,3-DICHLOROBENZENE	2.4	mg/kg	ND	ND	ND	ND	ND	ND	ND
106-46-7	1,4-DICHLOROBENZENE	1.8	mg/kg	ND	ND	ND	ND	ND	ND	ND
75-71-8	DICHLORODIFLUOROMETHANE		mg/kg	ND	ND	ND	ND	ND	ND	ND
75-34-3	1,1-DICHLOROETHANE	0.27	mg/kg	ND	ND	ND	ND	ND	ND	ND
100-41-4	ETHYLBENZENE	1	mg/kg	ND	0.46 J	ND	ND	ND	43.9	0.0045 J
98-82-8	ISOPROPYLBENZENE (CUMENE)		mg/kg	ND	0.045	ND	ND	ND	3.3	ND
108-87-2	METHYLCYCLOHEXANE		mg/kg	ND	0.0071	ND	ND	ND	0.18 J	ND
75-09-2	METHYLENE CHLORIDE	0.05	mg/kg	ND	ND	ND	ND	ND	ND	ND
100-42-5	STYRENE		mg/kg	ND	0.0038 J	ND	ND	ND	8.1	ND
79-34-5	1,1,2,2-TETRACHLOROETHANE		mg/kg	ND	ND	ND	ND	ND	ND	ND
108-88-3	TOLUENE	0.7	mg/kg	ND	0.053	ND	ND	ND	46.5	ND
87-61-6	1,2,3-TRICHLOROBENZENE		mg/kg	ND	ND	ND	ND	ND	ND	ND
120-82-1	1,2,4-TRICHLOROBENZENE		mg/kg	ND	ND	ND	ND	ND	ND	ND
XYLMP	M,P-XYLENE (SUM OF ISOMERS)	0.26	mg/kg	ND	0.23	ND	ND	ND	38.4	0.0039 J
95-47-6	O-XYLENE (1,2-DIMETHYLBENZENE)	0.26	mg/kg	ND	0.16	ND	ND	ND	18.2	0.0022 J
	Total VOCs	NS	mg/kg	ND	1.0482	ND	0.027	0.026	176.1	0.0816
	SEMIVOLATILES	1								
92-52-4	BIPHENYL (DIPHENYL)		mg/kg	ND	ND	ND	ND	ND	1.6	ND
117-81-7	BIS(2-ETHYLHEXYL) PHTHALATE		mg/kg	ND	ND	ND	ND	ND	ND	ND
86-74-8	CARBAZOLE		mg/kg	ND	ND	ND	ND	ND	ND	ND
132-64-9	DIBENZOFURAN		mg/kg	ND	ND	ND	ND	ND	0.53	ND
131-11-3	DIMETHYL PHTHALATE		mg/kg	0.455	0.403	0.57	0.32 J	0.34 J	0.25 J	0.4 J
84-74-2	DI-N-BUTYL PHTHALATE		mg/kg	ND	ND	ND	ND	ND	ND	ND
	PAHs									
83-32-9	ACENAPHTHENE	20	mg/kg	ND	0.32 J	ND	ND	ND	1.8	ND
208-96-8	ACENAPHTHYLENE	100	mg/kg	ND	0.24 J	ND	ND	ND	4.7	ND
120-12-7	ANTHRACENE	100	mg/kg	ND	0.31 J	ND	ND	ND	2.5	ND
56-55-3	BENZO(A)ANTHRACENE	1	mg/kg	ND	0.26 J	ND	ND	ND	1.6	ND

Dup of SB-14(45-47)										
Con Ed - Lu	flow Site		Location ID:	SB-12	SB-13	SB-14	SB-14	SB-14	SB-16	SB-16
Validated Sc	il Analytical Data		Sample ID:	SB-12(36-38)	SB-13(47-49)	SB-14(38-40)	SB-14(45-47)	SB-14A(45-47)	SB-16(30-33)	SB-16(45-47)
Detected Co	mpound Summary		Lab Sample Id	D4751-08	D4751-09	D5300-03	D5300-06	D5300-07	D5300-01	D5300-02
			Depth:	36 - 38 ft	47 - 49 ft	38 - 40 ft	45 - 47 ft	45 - 47 ft	30 - 33 ft	45 - 47 ft
			Source:	CTECH	CTECH	CTECH	CTECH	CTECH	CTECH	CTECH
			SDG:	D4751	D4751	D5300	D5300	D5300	D5300	D5300
		Unrestricted Use	Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		Soil Cleanup	Sampled:	11/5/2012 11:00	11/5/2012 15:05	12/21/2012 10:50	12/21/2012 11:50	12/21/2012 12:00	12/20/2012 16:10	12/20/2012 17:10
		Objectives	Validated:	1/23/2013	1/23/2013	1/23/2013	1/23/2013	1/23/2013	1/23/2013	1/23/2013
CAS NO.	COMPOUND		UNITS:							
	VOLATILES									
50-32-8	BENZO(A)PYRENE	1	mg/kg	ND	0.2 J	ND	ND	ND	1.2	ND
205-99-2	BENZO(B)FLUORANTHENE	1	mg/kg	ND	0.16 J	ND	ND	ND	0.94	ND
191-24-2	BENZO(G.H.DPERYLENE	100	mg/kg	ND	ND	ND	ND	ND	0.31 J	ND
207-08-9	BENZO(K)FLUORANTHENE	0.8	mg/kg	ND	ND	ND	ND	ND	0.38 J	ND
218-01-9	CHRYSENE	1	mg/kg	ND	0.26 I	ND	ND	ND	16	ND
53-70-3	DIBENZ(A H)ANTHRACENE	0.33	mg/kg	ND	ND	ND	ND	ND	ND	ND
206-44-0	FLUORANTHENE	100	mg/kg	ND	0.49	ND	ND	ND	2.5	ND
86-73-7	FLUORENE	30	mg/kg	ND	0.32 I	ND	ND	ND	4.5	ND
193-39-5	INDENO(1.2.3-C D)PYRENE	0.5	mg/kg	ND	ND	ND	ND	ND	0.2 I	ND
91-57-6	2-METHVI NAPHTHAI ENE	0.5	mg/kg	ND	13	ND	ND	ND	14.9	ND
91-20-3	NAPHTHAI ENE	12	mg/kg	ND	2.8	ND	ND	ND	33.7	ND
85-01-8	PHENANTHRENE	100	mg/kg	ND	1.3	ND	ND	ND	0.0	ND
129-00-0	PVRENE	100	mg/kg	ND	0.62	ND	ND	ND	3.3	ND
129-00-0	I IKENE	100	iiig/kg	ND	0.02	ND	ND	ND	5.5	ND
	Total PAHs		mg/kg	ND	8.58	ND	ND	ND	84.03	ND
	Total SVOCs		mg/kg	0.455	8.983	0.57	0.32	0.34	86.41	0.4
	INORGANICS									
7429-90-5	ALUMINUM		mg/kg	2800 J	9270 J	7400 J	2940 J	3060 J	14400 J	6040 J
7440-38-2	ARSENIC	13	mg/kg	0.49 J	1.96 J	0.97 J	0.71 J	0.89 J	5.98	1.18
7440-39-3	BARIUM	350	mg/kg	19.1 J	124 J	54.1 J	23.7 J	26.6 J	83.1 J	74.4 J
7440-41-7	BERYLLIUM	7.2	mg/kg	0.04 J	0.47	0.39	0.14 J	0.14 J	0.32 J	0.33
7440-43-9	CADMIUM	2.5	mg/kg	0.18	0.71	ND	ND	ND	ND	ND
7440-70-2	CALCIUM		mg/kg	10100 J	19200 J	2180 J	9830 J	9770 J	24700 J	12500 J
7440-47-3	CHROMIUM, TOTAL	30	mg/kg	7.04 J	19.9 J	16.3 J	ND	ND	12.4 J	12.9 J
7440-48-4	COBALT		mg/kg	3.39	7.91	7.86	3.26	3.53	3.36	7.11
7440-50-8	COPPER	50	mg/kg	9.25 J	18.3 J	7.99	5.12	5.88	5.21	9.59
7439-89-6	IRON		mg/kg	6990	18600	18000 J	8120 J	8770 J	15400 J	15800 J
7439-92-1	LEAD	63	mg/kg	3.88	15.2	10.1	4.47	4.63	25.8	8.35
7439-95-4	MAGNESIUM		mg/kg	4920 J	3760 J	3730 J	4070 J	3950 J	13500 J	5840 J
7439-96-5	MANGANESE	1600	mg/kg	209 J	1240 J	424 J	290 J	296 J	652 J	443 J
7439-97-6	MERCURY	0.18	mg/kg	ND	0.02	0.005 J	ND	0.003 J	0.003 J	0.005 J
7440-02-0	NICKEL	30	mg/kg	11.5	21.4	18.7	8.25	8.93	10.1	19.1
7440-09-7	POTASSIUM		mg/kg	581 J	2340 J	2720 J	832 J	824 J	1040 J	2050 J
7782-49-2	SELENIUM	3.9	mg/kg	ND	1.06	0.76 J	ND	ND	0.49 J	0.63 J
7440-22-4	SILVER	2	mg/kg	ND	0.34	0.51 J	0.17 J	0.15 J	0.23 J	0.37 J
7440-23-5	SODIUM		mg/kg	1220 J	1280 J	332	101	97.1 J	6400	1100
7440-28-0	THALLIUM		mg/kg	0.13 J	0.81 J	ND	ND	ND	ND	ND
7440-62-2	VANADIUM		mg/kg	9.49 J	18.3 J	19.3	8.87	10.2	19.1	16.6
7440-66-6	ZINC	109	mg/kg	14.9	33.7	26.9 J	13 J	12.9 J	12.6 J	25.1 J
57-12-5	CYANIDE	27	mø/kø	0.069 I	0.093 I	0.241 I	0.219 I	0.299	0.909	0 294 I

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.

Con Ed - Lu	dlow Site		Location ID:	SB-17	SB-17	TP-6FLOOR
Validated Sc	oil Analytical Data		Sample ID:	SB-17(33-35)	SB-17(45-47)	TP-6FLOOR
Detected Co	mpound Summary		Lab Sample Id	D5300-08	D5300-09	D4751-10
	1 ,		Depth:	33 - 35 ft	45 - 47 ft	-
			Source:	CTECH	CTECH	CTECH
			SDG:	D5300	D5300	D4751
		Unrestricted Use	Matrix:	SOIL	SOIL	SOIL
		Soil Cleanup	Sampled:	12/21/2012 15:00	12/21/2012 15:30	11/7/2012 10:30
		Objectives	Validated:	1/23/2013	1/23/2013	1/23/2013
CAS NO.	COMPOUND	y	UNITS:			
	VOLATILES					
67-64-1	ACETONE	0.05	mg/kg	ND	0.011 J	0.026 J
71-43-2	BENZENE	0.06	mg/kg	ND	ND	ND
75-15-0	CARBON DISULFIDE		mg/kg	ND	ND	ND
74-87-3	CHLOROMETHANE		mg/kg	ND	ND	ND
110-82-7	CYCLOHEXANE		mg/kg	ND	ND	ND
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE		mg/kg	R	ND	R
95-50-1	1,2-DICHLOROBENZENE	1.1	mg/kg	ND	ND	R
541-73-1	1,3-DICHLOROBENZENE	2.4	mg/kg	ND	ND	R
106-46-7	1,4-DICHLOROBENZENE	1.8	mg/kg	ND	ND	R
75-71-8	DICHLORODIFLUOROMETHANE		mg/kg	ND	ND	ND
75-34-3	1,1-DICHLOROETHANE	0.27	mg/kg	ND	ND	0.0066 J
100-41-4	ETHYLBENZENE	1	mg/kg	ND	ND	ND
98-82-8	ISOPROPYLBENZENE (CUMENE)		mg/kg	ND	ND	R
108-87-2	METHYLCYCLOHEXANE		mg/kg	ND	ND	ND
75-09-2	METHYLENE CHLORIDE	0.05	mg/kg	ND	ND	ND
100-42-5	STYRENE		mg/kg	ND	ND	ND
79-34-5	1,1,2,2-TETRACHLOROETHANE		mg/kg	ND	ND	R
108-88-3	TOLUENE	0.7	mg/kg	ND	ND	ND
87-61-6	1,2,3-TRICHLOROBENZENE		mg/kg	ND	ND	R
120-82-1	1,2,4-TRICHLOROBENZENE		mg/kg	ND	ND	R
XYLMP	M,P-XYLENE (SUM OF ISOMERS)	0.26	mg/kg	ND	ND	ND
95-47-6	O-XYLENE (1,2-DIMETHYLBENZENE)	0.26	mg/kg	ND	ND	ND
	Total VOCs	NS	mg/kg	ND	0.011	0.0326
	SEMIVOLATILES					
92-52-4	BIPHENYL (DIPHENYL)		mg/kg	ND	ND	ND
117-81-7	BIS(2-ETHYLHEXYL) PHTHALATE		mg/kg	ND	0.48	ND
86-74-8	CARBAZOLE		mg/kg	ND	ND	ND
132-64-9	DIBENZOFURAN		mg/kg	ND	ND	ND
131-11-3	DIMETHYL PHTHALATE		mg/kg	0.35	0.39	0.632
84-74-2	DI-N-BUTYL PHTHALATE		mg/kg	ND	0.15 J	ND
	PAHs					
83-32-9	ACENAPHTHENE	20	mg/kg	ND	ND	ND
208-96-8	ACENAPHTHYLENE	100	mg/kg	ND	ND	ND
120-12-7	ANTHRACENE	100	mg/kg	ND	ND	ND
56-55-3	BENZO(A)ANTHRACENE	1	mg/kg	ND	ND	0.35 J

Con Ed - Ludl	ow Site		Location ID:	SB-17	SB-17	TP-6FLOOR
Validated Soil	Analytical Data		Sample ID:	SB-17(33-35)	SB-17(45-47)	TP-6FLOOR
Detected Com	pound Summary		Lab Sample Id	D5300-08	D5300-09	D4751-10
			Depth:	33 - 35 ft	45 - 47 ft	-
			Source:	CTECH	CTECH	CTECH
			SDG:	D5300	D5300	D4751
		Unrestricted Use	Matrix:	SOIL	SOIL	SOIL
		Soil Cleanup	Sampled:	12/21/2012 15:00	12/21/2012 15:30	11/7/2012 10:30
		Objectives	Validated:	1/23/2013	1/23/2013	1/23/2013
CAS NO.	COMPOUND		UNITS:			
	VOLATILES					
50-32-8	BENZO(A)PYRENE	1	mg/kg	ND	ND	0.41 J
205-99-2	BENZO(B)FLUORANTHENE	1	mg/kg	ND	ND	0.5
191-24-2	BENZO(G,H,I)PERYLENE	100	mg/kg	ND	ND	0.29 J
207-08-9	BENZO(K)FLUORANTHENE	0.8	mg/kg	ND	ND	ND
218-01-9	CHRYSENE	1	mg/kg	ND	ND	0.4 J
53-70-3	DIBENZ(A,H)ANTHRACENE	0.33	mg/kg	ND	ND	ND
206-44-0	FLUORANTHENE	100	mg/kg	ND	ND	0.75
86-73-7	FLUORENE	30	mg/kg	ND	ND	ND
193-39-5	INDENO(1,2,3-C,D)PYRENE	0.5	mg/kg	ND	ND	0.27 J
91-57-6	2-METHYLNAPHTHALENE		mg/kg	ND	0.19 J	ND
91-20-3	NAPHTHALENE	12	mg/kg	ND	0.25 I	ND
85-01-8	PHENANTHRENE	100	mg/kg	ND	ND	0.45 I
129-00-0	PYRENE	100	mg/kg	ND	ND	0.69
129 00 0	I IRERE	100	mg/ kg	112	нь	0.09
	Total PAHs		mg/kg	ND	0.44	4.11
	Total SVOCs		mg/kg	0.35	1.46	4.742
	INORGANICS					
7429-90-5	ALUMINUM		mg/kg	2860 J	9120 J	9100 J
7440-38-2	ARSENIC	13	mg/kg	0.68 J	0.73 J	14.5 J
7440-39-3	BARIUM	350	mg/kg	33.3 J	50.8 J	122 J
7440-41-7	BERYLLIUM	7.2	mg/kg	0.1 J	0.06 J	ND
7440-43-9	CADMIUM	2.5	mg/kg	ND	ND	1.73
7440-70-2	CALCIUM		mg/kg	1980 J	5560 J	6580 J
7440-47-3	CHROMIUM, TOTAL	30	mg/kg	ND	25.5 J	28.7 J
7440-48-4	COBALT		mg/kg	4.01	6.27	9.95
7440-50-8	COPPER	50	mg/kg	8.81	31.1	173 J
7439-89-6	IRON		mg/kg	7530 J	13000 J	39400
7439-92-1	LEAD	63	mg/kg	2.92	20.3	356
7439-95-4	MAGNESIUM		mg/kg	2040 J	3950 J	4080 J
7439-96-5	MANGANESE	1600	mg/kg	519 J	332 J	345 J
7439-97-6	MERCURY	0.18	mg/kg	0.003 J	0.014	6.2
7440-02-0	NICKEL	30	mg/kg	11.8	17.6	29.2
7440-09-7	POTASSIUM		mg/kg	730 J	1420 J	901 J
7782-49-2	SELENIUM	3.9	mg/kg	0.38 J	0.51 J	2.18
7440-22-4	SILVER	2	mg/kg	0.17 J	0.18 J	0.39
7440-23-5	SODIUM		mg/kg	188	913	2090 J
7440-28-0	THALLIUM		mg/kg	ND	ND	1.46
7440-62-2	VANADIUM		mg/kg	10.3	22.4	26 J
7440-66-6	ZINC	109	mg/kg	13.1 J	28.6 J	315
57-12-5	CYANIDE	27	mg/kg	0.172 J	0.257 J	0.297 J

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.

Consolidate	d Edison		Location ID:	MW-1	MW-1	MW-2
Ludlow Stre	eet Site		Sample ID:	MW-1	MW-1-20130405	MW-2-20130408
Validated G	roundwater Analytical Data		Lab Sample Id:	D4947-01	E1768-02	E1768-07
Detected Co	ompound Summary		Source:	CTECH	CTECH	CTECH
		NYSDEC	SDG:	D4947	E1768	E1768
		Class GA	Matrix:	WATER	WATER	WATER
		Groundwater	Sampled:	11/26/2012	4/5/2013	4/8/2013
		Standards/Guidance	Validated:	1/23/2013	4/30/2013	4/30/2013
CAS NO.	COMPOUND	Values <sup>(1)</sup>	UNITS:			
	VOLATILES					
67-64-1	ACETONE	5	ug/l	ND	7.8 J	8.7 J
74-83-9	BROMOMETHANE	5	ug/l	ND	ND	ND
110-82-7	CYCLOHEXANE		ug/l	ND	ND	ND
98-82-8	ISOPROPYLBENZENE (CUMENE)	5	ug/l	ND	ND	ND
78-93-3	METHYL ETHYL KETONE (2-BUTANONE)	50 (G)	ug/l	ND	ND	ND
108-10-1	METHYL ISOBUTYL KETONE		ug/l	ND	ND	ND
108-87-2	METHYLCYCLOHEXANE		ug/l	ND	ND	ND
100-42-5	STYRENE	5	ug/l	ND	ND	ND
1634-04-4	TERT-BUTYL METHYL ETHER	10	ug/l	ND	ND	ND
	BTEX					
71-43-2	BENZENE	1	ug/l	ND	ND	ND
100-41-4	ETHYLBENZENE	5	ug/l	ND	ND	ND
108-88-3	TOLUENE	5	ug/l	ND	ND	ND
XYLMP	M.P-XYLENE (SUM OF ISOMERS)	5	ug/l	ND	ND	ND
95-47-6	O-XYLENE (1,2-DIMETHYLBENZENE)	5	ug/l	ND	ND	ND
	CVOCs					
74-87-3	CHLOROMETHANE	5	ug/l	ND	ND	ND
156-59-2	CIS-1.2-DICHLOROETHYLENE	5	ug/l	ND	ND	0.49 J
127-18-4	TETRACHLOROETHYLENE(PCE)	5	ug/l	ND	ND	ND
		-				
	Total VOCs			ND	7.8	9.19
	SEMIVOLATILES					
98-86-2	ACETOPHENONE		ug/l	ND	ND	ND
92-52-4	BIPHENYL (DIPHENYL)	5	ug/l	ND	ND	ND
117-81-7	BIS(2-ETHYLHEXYL) PHTHALATE	5	ug/l	ND	ND	ND
86-74-8	CARBAZOLE		ug/l	ND	ND	ND
132-64-9	DIBENZOFURAN		ug/l	ND	ND	ND
91-94-1	3,3'-DICHLOROBENZIDINE	5	ug/l	ND	ND	ND
99-09-2	3-NITROANILINE	5	ug/l	ND	ND	ND
108-95-2	PHENOL	1	ug/l	ND	ND	ND
	PAHs	İ	C			
83-32-9	ACENAPHTHENE	20 (G)	ug/l	ND	ND	ND
208-96-8	ACENAPHTHYLENE		ug/l	ND	ND	ND
120-12-7	ANTHRACENE	50 (G)	ug/l	ND	ND	ND
56-55-3	BENZO(A)ANTHRACENE	0.002 (G)	ug/l	ND	ND	ND
50-32-8	BENZO(A)PYRENE	ND	ug/l	ND	ND	ND
205-99-2	BENZO(B)FLUORANTHENE	0.002 (G)	ug/l	ND	ND	ND
218-01-9	CHRYSENE	0.002 (G)	ug/l	ND	ND	ND
206-44-0	FLUORANTHENE	50 (G)	ug/l	ND	ND	ND
86-73-7	FLUORENE	50 (G)	ug/l	ND	ND	ND
91-57-6	2-METHYLNAPHTHALENE		ug/l	ND	ND	ND
91-20-3	NAPHTHALENE	10 (G)	ug/l	ND	ND	ND
85-01-8	PHENANTHRENE	50 (G)	ug/1	ND	ND	ND
129-00-0	PYRENE	50 (G)	ug/l	ND	ND	ND
	Total PAHs			ND	ND	ND
	Total SVOCa			ND	ND	ND
1	TOTAL SYDUS	1		ND	ND	ND

Notes:

Indicates concentration exceeds standard or guidance value. (G) Indicates guidance value.

NS

No standard or guidance value available. Indicates compound was not detected. ND

J Indicates an estimated concentration.

Micrograms per liter ug/L

Consolidated	Consolidated Edison		Location ID:	MW-1	MW-1	MW-2		
Ludlow Stree	et Site		Sample ID:	MW-1	MW-1-20130405	MW-2-20130408		
Validated Gr	oundwater Analytical Data		Lab Sample Id:	D4947-01	E1768-02	E1768-07		
Detected Cor	mpound Summary		Source:	CTECH	CTECH	CTECH		
	1	NYSDEC	SDG:	D4947	E1768	E1768		
		Class GA	Matrix.	WATER	WATER	WATER		
		Groundwater	Sampled	11/26/2012	4/5/2013	4/8/2013		
		Standards/Guidance	Validated:	1/23/2012	4/30/2013	4/30/2013		
CARNO	COMPOUND	V.1 (1)	Validated.	1/25/2015	4/50/2015	4/30/2013		
CAS NO.	VOLATILES	values	UNITS:					
	INOPGANICS	ł						
7420 00 5		-	110/1	221 I	2380 I	268 I		
7440 36 0	ANTIMONY	2	ug/1	4 08 I	2500 J	0.48 I		
7440-30-0		25	ug/1	4.90 J		9.46 J		
7440-38-2	AKSENIC	1000	ug/1	0.1 150 J	7.0 J	1000		
7440-39-3	BARIUM	1000	ug/i	159 J	129	1990		
7440-41-7	GADAUUM	3 (G)	ug/1	ND	ND	ND 1.00 J		
7440-43-9	CADMIUM	5	ug/I	ND 01200 J	K	1.22 J		
7440-70-2	CALCIUM		ug/l	91200 J	59000 J	262000 J		
7440-47-3	CHROMIUM, TOTAL	50	ug/l	ND	37.6 J	ND		
7440-48-4	COBALT		ug/l	ND	ND	6.91 J		
7440-50-8	COPPER	200	ug/l	6.08 J	7.59 J	27.4 J		
7439-89-6	IRON	300	ug/l	5890 J	8770	6860		
7439-92-1	LEAD	25	ug/l	1.34 J	6.36 J	10.1 J		
7439-95-4	MAGNESIUM	35000 (G)	ug/l	22100 J	13400 J	33200 J		
7439-96-5	MANGANESE	300	ug/l	4090 J	2200 J	2160 J		
7439-97-6	MERCURY	0.7	ug/l	0.092 J	ND	ND		
7440-02-0	NICKEL	100	ug/l	ND	20.9 J	ND		
7440-09-7	POTASSIUM		ug/l	8980 J	6390	113000		
7782-49-2	SELENIUM	10	ug/l	ND	ND	ND		
7440-22-4	SILVER	50	ug/l	ND	ND	ND		
7440-23-5	SODIUM	20000	ug/l	361000 J	272000 J	39700000 J		
7440-28-0	THALLIUM	0.5 (G)	ug/l	ND	ND	ND		
7440-62-2	VANADIUM		119/1	ND	ND	ND		
7440-66-6	ZINC	2000 (G)	ug/1	ND	18.4 I	35.4 I		
57-12-5	CYANIDE	2000 (G)	ug/L	ND	ND	224		
57 12 5	DISSOLVED METALS	200	ug/L	TILD .	n.D			
7429-90-5	ALUMINUM		11g/L		ND			
7440-36-0	ANTIMONY	3	ug/L		ND			
7440-38-2	ARSENIC	25	ug/L		ND			
7440-30-2	BARIUM	1000	ug/L ug/I		64.9			
7440-39-3	DARIOW DEDVLI IIIM	1000 3 (C)	ug/L ug/I		04.9 ND			
7440-41-7		5 (0)	ug/L		ND D			
7440-43-9	CALCHIM	5	ug/L		54500 I			
7440-70-2			ug/L		54500 J			
7440-47-3	CORALT	50	ug/L		ND			
7440-48-4	COBALI		ug/L		ND			
7440-50-8	COPPER	200	ug/L		ND			
7439-89-6	IRON	300	ug/L		ND			
7439-92-1	LEAD	25	ug/L		ND			
/439-95-4	MAGNESIUM	35000 (G)	ug/L		10700 J			
7439-96-5	MANGANESE	300	ug/L		680 J			
7439-97-6	MERCURY	0.7	ug/L		ND			
7440-02-0	NICKEL	100	ug/L		ND			
7440-09-7	POTASSIUM		ug/L		6360			
7782-49-2	SELENIUM	10	ug/L		ND			
7440-23-5	SODIUM	20000	ug/L		271000 J			
7440-62-2	VANADIUM		ug/L		ND			
7440-66-6	ZINC	2000 (G)	ug/L		9.09 J			

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

Consolidate	d Edison		Location ID:	MW-3	MW-3	MW-3A
Ludlow Stre	eet Site		Sample ID:	MW-3	MW-3-20130408	MW-3A-20130408
Validated G	roundwater Analytical Data		Lab Sample Id:	D4947-09DL	E1768-08	E1768-09
Detected Co	ompound Summary		Source:	CTECH	CTECH	CTECH
		NYSDEC	SDG:	D4947	E1768	E1768
		Class GA	Matrix:	WATER	WATER	WATER
		Groundwater	Sampled:	11/27/2012	4/8/2013	4/8/2013
		Standards/Guidance	Validated:	1/23/2013	4/30/2013	4/30/2013
CAS NO.	COMPOUND	Values (1)	UNITS:			
	VOLATILES					
67-64-1	ACETONE	5	ug/l	ND	ND	ND
74-83-9	BROMOMETHANE	5	ug/l	ND	ND	ND
110-82-7	CYCLOHEXANE		ug/l	5.5	1.5 J	2.1 J
98-82-8	ISOPROPYLBENZENE (CUMENE)	5	ug/l	7	3.9 J	4.6 J
78-93-3	METHYL ETHYL KETONE (2-BUTANONE)	50 (G)	ug/l	ND	ND	ND
108-10-1	METHYL ISOBUTYL KETONE		ug/l	ND	ND	ND
108-87-2	METHYLCYCLOHEXANE		ug/l	10	3.1 J	4.2 J
100-42-5	STYRENE	5	ug/l	59	41.5	42.6
1634-04-4	TERT-BUTYL METHYL ETHER	10	ug/l	ND	1.7 J	1.8 J
	BTEX					
71-43-2	BENZENE	1	ug/l	350	360	460
100-41-4	ETHYLBENZENE	5	ug/l	250	160	180
108-88-3	TOLUENE	5	ug/l	280	260	310
XYLMP	M,P-XYLENE (SUM OF ISOMERS)	5	ug/l	410	300	370
95-47-6	O-XYLENE (1,2-DIMETHYLBENZENE)	5	ug/l	190	160	180
	CVOCs					
74-87-3	CHLOROMETHANE	5	ug/l	ND	ND	ND
156-59-2	CIS-1,2-DICHLOROETHYLENE	5	ug/l	0.45 J	ND	ND
127-18-4	TETRACHLOROETHYLENE(PCE)	5	ug/l	0.42 J	ND	ND
	Total VOCs			1562.37	1291.7	1555.3
	SEMIVOLATILES					
98-86-2	ACETOPHENONE		ug/l	ND	4.8 J	8 J
92-52-4	BIPHENYL (DIPHENYL)	5	ug/l	25.1 J	25.2	36.2
117-81-7	BIS(2-ETHYLHEXYL) PHTHALATE	5	ug/l	25.1 J ND	ND	ND
86-74-8	CARBAZOLE		ug/l	6.2 J	5.3 J	8.4 J
132-64-9	DIBENZOFURAN		ug/l	4.5 J	6.1 J	8.9 J
91-94-1	3,3'-DICHLOROBENZIDINE	5	ug/l	ND	ND	ND
99-09-2	3-NITROANILINE	5	ug/l	ND	ND	ND
108-95-2	PHENOL	1	ug/l	ND	ND	ND
	PAHs				00 F	22.2
83-32-9	ACENAPHTHENE	20 (G)	ug/l	17.1 J	22.5	32.2
208-96-8	ACENAPHTHYLENE		ug/l	84.2	75.6 J	130 J
120-12-7	ANTHRACENE	50 (G)	ug/l	10.6 J	21.9	27.4
56-55-3	BENZO(A)ANTHRACENE	0.002 (G)	ug/l	ND	12.1	12.2
50-32-8	BENZO(A)PYRENE	ND	ug/l	ND	8.5 J	8.5 J
205-99-2	BENZO(B)FLUORANTHENE	0.002 (G)	ug/l	ND	6.4 J	6.5 J
218-01-9	CHRYSENE	0.002 (G)	ug/l	ND	12.3	12.2
206-44-0	FLUORANTHENE	50 (G)	ug/l	7.6 J	17.8	19.9
86-73-7	FLUORENE	50 (G)	ug/l	34.7 J	47.3	65.1
91-57-6	2-METHYLNAPHTHALENE		ug/l	320	630	630
91-20-3	NAPHTHALENE	10 (G)	ug/l	2500	2300	3900
85-01-8	PHENANTHRENE	50 (G)	ug/l	46.2 J	72.9	110
129-00-0	PYRENE	50 (G)	ug/l	10.1 J	28.4	31.6
	Total PAHs			3030.5	3255.7	4985.6
	Total SVOCs			3066.3	3297.1	5047.1

Notes:

Indicates concentration exceeds standard or guidance value. (G) Indicates guidance value.

NS

No standard or guidance value available. Indicates compound was not detected. ND

J Indicates an estimated concentration.

Micrograms per liter ug/L

Consolidated	1 Edison		Location ID:	MW-3	MW-3	MW-3A	
Ludlow Stre	et Site		Sample ID:	MW-3	MW-3-20130408	MW-3A-20130408	
Validated G	roundwater Analytical Data		Lab Sample Id:	D4947-09DL	E1768-08	E1768-09	
Detected Co	mpound Summary		Source:	CTECH	CTECH	CTECH	
		NYSDEC	SDG	D4947	E1768	E1768	
		Class GA	Matrix:	WATER	WATER	WATER	
		Groundwater	Sampled:	11/27/2012	4/8/2013	4/8/2013	
		Standards/Guidance	Validated:	1/23/2012	4/30/2013	4/30/2013	
CASNO	COMPOUND	Values (1)	UNITS:	1123/2013	1/50/2015	113012013	
CAS NO.	VOLATILES	v aiues	UNITS.				
	INORGANICS	-					
7429-90-5			110/1	ND	96 1 I	81 / T	
7440-36-0	ANTIMONY	3	ug/1	5 31 1	ND	ND	
7440-30-0	ADSENIC	25	ug/1	2.45 I	ND	4 25 1	
7440-38-2	ANDEINIC DADILIM	1000	ug/1	2.45 J	124	4.23 J	
7440-39-3		1000	ug/1	100 J	154 ND	120 ND	
7440-41-7	GADAGUA	5 (G)	ug/1		ND 0.52 I	ND 0.5 D	
7440-43-9	CADMIUM	5	ug/I	0.32 J	0.52 J	0.5 K	
7440-70-2	CALCIUM		ug/l	58900 J	81900 J	//000 J	
7440-47-3	CHROMIUM, TOTAL	50	ug/l	ND	ND	ND	
7440-48-4	COBALT		ug/l	ND	ND	ND	
7440-50-8	COPPER	200	ug/l	7.44 J	7.59 J	6.54 J	
7439-89-6	IRON	300	ug/l	1160 J	1600	1590	
7439-92-1	LEAD	25	ug/l	6.72	40.3 J	37.6 J	
7439-95-4	MAGNESIUM	35000 (G)	ug/l	21500 J	22600 J	21000 J	
7439-96-5	MANGANESE	300	ug/l	1100 J	1500 J	1400 J	
7439-97-6	MERCURY	0.7	ug/l	ND	ND	ND	
7440-02-0	NICKEL	100	ug/l	ND	5.62 J	5.4 J	
7440-09-7	POTASSIUM		ug/l	8370 J	15500	14300	
7782-49-2	SELENIUM	10	ug/l	ND	ND	ND	
7440-22-4	SILVER	50	ug/l	ND	ND	ND	
7440-23-5	SODIUM	20000 0.5 (G)	ug/l	3480000 J	4620000 J	5420000 J	
7440-28-0	THALLIUM		ug/l	ND	ND	ND	
7440-62-2	VANADIUM		119/1	ND	ND	ND	
7440-66-6	ZINC	2000 (G)	ug/1	ND	20.8 I	21.1.1	
57-12-5	CYANIDE	2000 (C)	ug/L	123	36 I	166 I	
57 12 5	DISSOLVED METALS	200	ug/L	125	505	100 5	
7429-90-5	ALUMINUM		11g/L				
7440-36-0	ANTIMONY	3	ug/L				
7440-38-2	ARSENIC	25	ug/L				
7440-30-2	BARIIM	1000	ug/L ug/I				
7440-41-7	BERVITUM	3 (G)	ug/L ug/I				
7440-41-7		5 (0)	ug/L ug/I				
7440-43-9		5	ug/L				
7440-70-2	CHROMIUM	50	ug/L				
7440-47-3	CODALT	50	ug/L				
7440-48-4	COBALI		ug/L				
7440-50-8	COPPER	200	ug/L				
7439-89-6	IRON	300	ug/L				
7439-92-1	LEAD	25	ug/L				
7439-95-4	MAGNESIUM	35000 (G)	ug/L				
7439-96-5	MANGANESE	300	ug/L				
7439-97-6	MERCURY	0.7	ug/L				
7440-02-0	NICKEL	100	ug/L				
7440-09-7	POTASSIUM		ug/L				
7782-49-2	SELENIUM	10	ug/L				
7440-23-5	SODIUM	20000	ug/L				
7440-62-2	VANADIUM		ug/L				
7440-66-6	ZINC	2000 (G)	ug/L				

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

Consolidate	d Edison		Location ID:	MW-4	MW-4	MW-5	
Ludlow Stre	et Site		Sample ID:	MW-4	MW-4-20130408	MW-5-20130405	
Validated G	roundwater Analytical Data		Lab Sample Id:	D4947-07	E1768-06	E1768-03	
Detected Co	ompound Summary		Source:	CTECH	CTECH	CTECH	
	I the second	NYSDEC	SDG:	D4947	E1768	E1768	
		Class GA	Matrix:	WATER	WATER	WATER	
		Groundwater	Sampled:	11/27/2012	4/8/2013	4/5/2013	
		Standards/Guidance	Validated:	1/23/2012	4/30/2013	4/30/2013	
CASNO	COMPOLINID	Values (1)	UNITE.	1/25/2015	4/50/2015	4/50/2015	
CAS NO.	VOLATILES	values	UNITS.				
67 64 1	ACETONE	5	110/1	ND	011 I	220 I	
74 82 0	PROMOMETHANE	5	ug/l	ND	01.1 J	520 J	
14-05-9	CVCLOUEYANE	5	ug/1	ND	ND	ND	
110-82-7	CICLOHEAANE		ug/1	ND	ND	ND 1.0 J	
98-82-8	ISOPROPYLBENZENE (CUMENE)	5	ug/I	ND	ND	1.8 J	
/8-93-3	METHYL ETHYL KETONE (2-BUTANONE)	50 (G)	ug/l	ND	ND	29.2 J	
108-10-1	METHYL ISOBUTYL KETONE		ug/l	ND	ND	200 J	
108-87-2	METHYLCYCLOHEXANE		ug/l	ND	ND	ND	
100-42-5	STYRENE	5	ug/l	ND	ND	0.49 J	
1634-04-4	TERT-BUTYL METHYL ETHER	10	ug/l	ND	ND	ND	
	BTEX						
71-43-2	BENZENE	1	ug/l	ND	ND	35.8	
100-41-4	ETHYLBENZENE	5	ug/l	ND	ND	12.1	
108-88-3	TOLUENE	5	ug/l	ND	ND	36.9	
XYLMP	M,P-XYLENE (SUM OF ISOMERS)	5	ug/l	ND	ND	7.7 J	
95-47-6	O-XYLENE (1,2-DIMETHYLBENZENE)	5	ug/l	ND	ND	8.1	
	CVOCs		_				
74-87-3	CHLOROMETHANE	5	ug/l	ND	ND	ND	
156-59-2	CIS-1,2-DICHLOROETHYLENE	5	ug/l	ND	ND	ND	
127-18-4	TETRACHLOROETHYLENE(PCE)	5	ug/l	ND	ND	ND	
			C				
	Total VOCs			ND	81.1	652.09	
	SEMIVOLATILES						
98-86-2	ACETOPHENONE		ug/l	ND	ND	ND	
92-52-4	BIPHENYL (DIPHENYL)	5	ug/l	ND	ND	19.6	
117-81-7	BIS(2-ETHYLHEXYL) PHTHALATE	5	ug/l	15.4 J	ND	ND	
86-74-8	CARBAZOLE		ug/l	ND	ND	ND	
132-64-9	DIBENZOFURAN		ug/l	ND	ND	ND	
91-94-1	3.3'-DICHLOROBENZIDINE	5	ug/l	ND	ND	R	
99-09-2	3-NITROANILINE	5	ug/l	ND	ND	R	
108-95-2	PHENOL	1	119/1	ND	ND	ND	
100 90 2	PAHs	-	ug, i	112	112	112	
83-32-9	ACENAPHTHENE	20 (G)	119/1	ND	ND	42.6	
208-96-8	ACENAPHTHYLENE		ug/1	ND	ND	18.1	
120-12-7	ANTHRACENE	50 (G)	ug/1	ND	ND	ND	
56 55 3	DENZO(A)ANTHDACENE	0.002 (G)	ug/1	ND	ND	ND	
50 32 8	DENZO(A)AVTIIKACEIVE DENZO(A)DVDENE	0.002 (C)	ug/1	ND	ND	ND	
205 00 2	DENZO(A)FIRENE	0.002 (C)	ug/l	ND	ND	ND	
203-99-2	CUDVSENE	0.002(C)	ug/1	ND	ND	ND	
210-01-9	ELLOD ANTHENE	0.002 (G)	ug/1				
200-44-0	FLUORANTHENE	50 (G)	ug/i	ND	ND	ND 10	
01-57-1	PLUUKENE	50 (G)	ug/I	ND	ND	18	
91-57-6	2-METHYLNAPHTHALENE		ug/l	ND	ND	42.1	
91-20-3	NAPHTHALENE	10 (G)	ug/l	ND	ND	240 J	
85-01-8	PHENANTHRENE	50 (G)	ug/l	ND	ND	21.2	
129-00-0	PYRENE	50 (G)	ug/l	ND	ND	ND	
	Total PAHs			ND	ND	382	
	Total SVOCs			15.4	ND	401.6	

Notes:

Indicates concentration exceeds standard or guidance value. (G) Indicates guidance value.

NS

No standard or guidance value available. Indicates compound was not detected. ND

J Indicates an estimated concentration.

Micrograms per liter ug/L

Consolidated	1 Edison		Location ID:	MW-4	MW-4	MW-5		
Ludlow Stree	et Site		Sample ID:	MW-4	MW-4-20130408	MW-5-20130405		
Validated Gr	oundwater Analytical Data		Lab Sample Id	D4947-07	E1768-06	E1768-03		
Detected Cor	mpound Summary		Source:	CTECH	CTECH	CTECH		
Dettetteta con	inpound builling	NYSDEC	SDG	D4947	E1768	E1768		
		Class GA	Matrix:	WATER	WATER	WATER		
		Groundwater	Sampled:	11/27/2012	4/8/2013	4/5/2013		
		Standards/Guidance	Validated:	1/22/2012	4/8/2013	4/3/2013		
G L G N G	COMPANY	Standards/Outdance	vanuateu.	1/23/2013	4/30/2013	4/30/2013		
CAS NO.	COMPOUND	Values (7)	UNITS:					
	VOLATILES	-						
	INORGANICS	-						
7429-90-5	ALUMINUM		ug/l	161000 J	32100 J	550 J		
7440-36-0	ANTIMONY	3	ug/l	ND	ND	12.1 J		
7440-38-2	ARSENIC	25	ug/l	206	40	4.4 J		
7440-39-3	BARIUM	1000	ug/l	2170 J	523	916		
7440-41-7	BERYLLIUM	3 (G)	ug/l	7.1 J	1.23 J	ND		
7440-43-9	CADMIUM	5	ug/l	25	1.3 J	2.2 J		
7440-70-2	CALCIUM		ug/l	67500 J	116000 J	267000 J		
7440-47-3	CHROMIUM, TOTAL	50	ug/l	352 J	113 J	ND		
7440-48-4	COBALT		ug/l	263	25.1 J	ND		
7440-50-8	COPPER	200	ug/l	822 J	205 J	5.86 J		
7439-89-6	IRON	300	ug/l	520000 J	55300	4550		
7439-92-1	LEAD	25	ug/l	10700	1200 J	232 J		
7439-95-4	MAGNESIUM	35000 (G)	ug/l	53000 J	24500 J	59800 J		
7439-96-5	MANGANESE	300	ug/l	6820 J	1210 J	1580 J		
7439-97-6	MERCURY	0.7	ug/l	16.85	20.182	ND		
7440-02-0	NICKEL	100	ug/l	689	112 J	ND		
7440-09-7	POTASSIUM		ug/l	23300 J	11800	93500		
7782-49-2	SELENIUM	10	ug/l	26	16.1	ND		
7440-22-4	SILVER	50	ug/l	25.7 J	ND	ND		
7440-23-5	SODIUM	20000	ug/l	167000 J	712000 J	32700000 J		
7440-28-0	THALLIUM	0.5 (G)	ug/l	5.2 J	4.02 J	ND		
7440-62-2	VANADIUM		ug/1	438 J	77.8 J	ND		
7440-66-6	ZINC	2000 (G)	ug/1	5910 J	715 J	46.8 J		
57-12-5	CYANIDE	200	ug/L	224	126	174		
	DISSOLVED METALS		8					
7429-90-5	ALUMINUM		ug/L		17.1 J			
7440-36-0	ANTIMONY	3	ug/L		9.22 J			
7440-38-2	ARSENIC	25	ug/L		6 I			
7440-39-3	BARIUM	1000	ug/L		243			
7440-41-7	BERYLLIUM	3 (G)	ug/L		ND			
7440-43-9	CADMIUM	5	ug/L		R			
7440-70-2	CALCIUM		ug/L		143000 I			
7440-70-2	CHROMIUM	50	ug/L		7 84 J			
7440-47-5	COBALT	50	ug/L		ND			
7440-40-4	CODDED	200	ug/L ug/I		55.2 1			
7430 80 6	IDON	200	ug/L ug/I		55.2 J 60 5			
7439-89-0	LEAD	25	ug/L		2 20 I			
7439-92-1		25 25000 (C)	ug/L		5.29 J			
7439-93-4		33000 (G) 200	ug/L		21200 J			
7439-90-3	MEDCUDY	500	ug/L		488 J			
7439-97-6		0.7	ug/L		ND 10.0 J			
/440-02-0	NICKEL	100	ug/L		10.2 J			
/440-09-7	POTASSIUM		ug/L		8920			
/782-49-2	SELENIUM	10	ug/L		16.2			
7440-23-5	SODIUM	20000	ug/L		753000 J			
7440-62-2	VANADIUM		ug/L		ND			
7440-66-6	ZINC	2000 (G)	ug/L		37.6 J	1		

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

Consolidate	d Edison		Location ID:	MW-7	MW-7	MW-8
Ludlow Stre	et Site		Sample ID:	MW-7	MW-7-20130404	MW-8
Validated G	roundwater Analytical Data		Lab Sample Id:	D4947-08	E1768-12	D4947-02
Detected Co	ompound Summary		Source:	CTECH	CTECH	CTECH
Denetica co	inpound building	NYSDEC	SDG:	D4947	E1768	D4947
		Class GA	Matrix:	WATER	WATER	WATER
		Groundwater	Samplad:	11/27/2012	4/4/2013	11/26/2012
		Standards/Guidance	Sampleu. Validatadi	1/22/2012	4/4/2013	1/22/2012
G L G L G	COMPOUND	Standards/Outdance	validated.	1/25/2015	4/30/2015	1/25/2015
CAS NO.	COMPOUND	Values	UNITS:			
(7 (1 1	VOLATILES	-	. //	ND	ND	ND
07-04-1	ACETUNE	5	ug/I	ND	ND	ND
/4-83-9	BROMOMETHANE	3	ug/l	ND	ND	ND
110-82-7	CYCLOHEXANE		ug/l	2.7 J	ND	ND
98-82-8	ISOPROPYLBENZENE (CUMENE)	5	ug/l	24	9.8	ND
78-93-3	METHYL ETHYL KETONE (2-BUTANONE)	50 (G)	ug/l	ND	ND	ND
108-10-1	METHYL ISOBUTYL KETONE		ug/l	ND	ND	ND
108-87-2	METHYLCYCLOHEXANE		ug/l	3.5 J	0.44 J	ND
100-42-5	STYRENE	5	ug/l	18	ND	ND
1634-04-4	TERT-BUTYL METHYL ETHER	10	ug/l	ND	1.6 J	0.52 J
	BTEX					
71-43-2	BENZENE	1	ug/l	690	1200	ND
100-41-4	ETHYLBENZENE	5	ug/l	270	90	ND
108-88-3	TOLUENE	5	ug/l	270	62.8	ND
XYLMP	M.P-XYLENE (SUM OF ISOMERS)	5	ug/l	420	180	ND
95-47-6	O-XYLENE (1.2-DIMETHYLBENZENE)	5	ug/l	190	130	ND
<i>yo</i> o	CVOCs		ug/1	170	100	112
74-87-3	CHLOROMETHANE	5	119/1	ND	ND	ND
156-59-2	CIS-1 2-DICHLOROFTHYLENE	5	ug/1	ND	ND	ND
127-18-4	TETRACHLOROETHVI ENE(PCE)	5	ug/1	ND	ND	ND
127-10-4	TETRACILLOROETITTLEIVE(TCE)	5	ug/1	ND	ND	ND
	Total VOCs			1888.2	1674.64	0.52
	SEMIVOLATILES					
98-86-2	ACETOPHENONE		ug/l	5.9 J	ND	ND
92-52-4	BIPHENYL (DIPHENYL)	5	119/1	73 I	25.7	ND
117-81-7	BIS(2-ETHYLHEXYL) PHTHALATE	5	110/1	ND	ND	ND
86-74-8	CARBAZOLE		ug/1	ND	551	ND
132-64-9	DIBENZOEURAN		ug/1	ND	63 I	ND
01 04 1	2 2' DICHI ODOBENZIDINE	5	ug/1	ND	ND	ND
00.00.2	2 NITROANII INE	5	ug/1	ND	ND	ND
108 05 2	J-INITROAINILINE DHENOI	1	ug/1	ND	ND	ND
108-93-2	PHENOL	1	ug/1	ND	ND	ND
82 22 0	ACENADUTUENE	20 (C)	110/1	12.1	47.1	ND
208 06 8	ACENADITHVI ENE	20 (0)	ug/1	7.0 1	47.1	ND
208-90-8	ACEINAFHIHILEINE	 50 (C)	ug/1	7.9 J	36.0	ND
120-12-7		50 (G)	ug/1	ND	20.2	ND
30-33-3	DENZO(A)ANIHKACENE	0.002 (G)	ug/I	ND	14.8	ND
50-32-8	BENZO(A)PYRENE	ND	ug/l	ND	9.7 J	ND
205-99-2	BENZO(B)FLUORANTHENE	0.002 (G)	ug/l	ND	8.2 J	ND
218-01-9	CHRYSENE	0.002 (G)	ug/l	ND	14.6	ND
206-44-0	FLUORANTHENE	50 (G)	ug/l	ND	18.8	ND
86-73-7	FLUORENE	50 (G)	ug/l	9.9 J	46.3	ND
91-57-6	2-METHYLNAPHTHALENE		ug/l	130	340	ND
91-20-3	NAPHTHALENE	10 (G)	ug/l	1300	1600	ND
85-01-8	PHENANTHRENE	50 (G)	ug/l	14.2	110	ND
129-00-0	PYRENE	50 (G)	ug/l	ND	37	ND
	Total PAHs			1474.1	2311.3	ND
	Total SVOCs			1487.3	2348.8	ND

Notes:

Indicates concentration exceeds standard or guidance value. (G) Indicates guidance value.

NS

No standard or guidance value available. Indicates compound was not detected. ND

J Indicates an estimated concentration.

Micrograms per liter ug/L

Consolidated	1 Edison		Location ID:	MW-7	MW-7	MW-8		
Ludlow Stree	et Site		Sample ID:	MW-7	MW-7-20130404	MW-8		
Validated G	roundwater Analytical Data		Lab Sample Id	D4947-08	E1768-12	D4947-02		
Detected Cor	mpound Summary		Source:	CTECH	CTECH	CTECH		
Dettetted Co	inpound Summary	NYSDEC	SDG.	D/19/7	E1768	D/9/7		
		Class GA	Motrix:	WATED	WATED	WATED		
		Croundwatar	Naula.	WATER 11/27/2012	WATER 4/4/2012	WATER 11/06/2012		
		Groundwater	Sampled:	1/2//2012	4/4/2013	1/26/2012		
		Standards/Guidance	validated:	1/23/2013	4/30/2013	1/23/2013		
CAS NO.	COMPOUND	Values (1)	UNITS:					
	VOLATILES							
	INORGANICS							
7429-90-5	ALUMINUM		ug/l	268 J	244 J	1860 J		
7440-36-0	ANTIMONY	3	ug/l	6.86 J	ND	5.06 J		
7440-38-2	ARSENIC	25	ug/l	ND	ND	4.85 J		
7440-39-3	BARIUM	1000	ug/l	109 J	192	104 J		
7440-41-7	BERYLLIUM	3 (G)	ug/l	ND	ND	ND		
7440-43-9	CADMIUM	5	ug/l	ND	R	0.3 J		
7440-70-2	CALCIUM		ug/l	105000 J	123000 J	78800 J		
7440-47-3	CHROMIUM, TOTAL	50	ug/l	ND	7.73 J	ND		
7440-48-4	COBALT		ug/l	ND	ND	4.32 J		
7440-50-8	COPPER	200	ug/l	1.44 J	2.06 J	20.7 J		
7439-89-6	IRON	300	ug/l	ND	1300	3790 J		
7439-92-1	LEAD	25	ug/l	1.72 J	ND	24.5 J		
7439-95-4	MAGNESIUM	35000 (G)	ug/l	37800 J	42200 J	25200 J		
7439-96-5	MANGANESE	300	ug/l	1030 J	688 J	1520 J		
7439-97-6	MERCURY	0.7	ug/l	ND	ND	ND		
7440-02-0	NICKEL	100	119/1	ND	9 1	ND		
7440-09-7	POTASSIUM		110/1	8420 I	26900	8280 I		
7782_49_2	SELENIUM	10	ug/1	ND	ND	ND		
7440-22-4	SILVER	50	ug/1	ND	ND	ND		
7440-22-4	SODIUM	20000	ug/1	535000 I	2230000 I	628000 I		
7440-28-0	THALLIUM	20000 0.5 (G)	ug/1	ND	ND 10.3 I	ND		
7440-62-2	VANADIUM	0.5 (0)	ug/1	ND		5 36 I		
7440-62-2	ZINC	2000 (G)	ug/1	ND		5.50 J		
57 12 5	CVANIDE	2000 (0)	ug/I	27	10.5 J	ND		
57-12-5	DISSOLVED METALS	200	ug/L	21	145	ND		
7420 00 5		-	на/Г					
7440 36 0	ANTIMONY	2	ug/L					
7440-30-0	ADSENIC	25	ug/L					
7440-36-2		1000	ug/L					
7440-39-3		1000	ug/L					
7440-41-7	GADAUUM	3 (G)	ug/L					
7440-43-9	CALCHIN	5	ug/L					
7440-70-2	CALCIUM		ug/L					
7440-47-3	CHROMIUM	50	ug/L					
7440-48-4	COBALI		ug/L					
7440-50-8	COPPER	200	ug/L					
7439-89-6	IRON	300	ug/L					
7439-92-1	LEAD	25	ug/L					
7439-95-4	MAGNESIUM	35000 (G)	ug/L					
7439-96-5	MANGANESE	300	ug/L					
7439-97-6	MERCURY	0.7	ug/L					
7440-02-0	NICKEL	100	ug/L					
7440-09-7	POTASSIUM		ug/L					
7782-49-2	SELENIUM	10	ug/L					
7440-23-5	SODIUM	20000	ug/L					
7440-62-2	VANADIUM		ug/L					
7440-66-6	ZINC	2000 (G)	ug/L					

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

Consolidate	d Edison		Location ID:	MW-18	MW-9	MW-9		
Ludlow Stre	et Site		Sample ID:	MW-18	MW-9	MW-9-20130405		
Validated G	roundwater Analytical Data		Lab Sample Id:	D4947-03	D4947-04	E1768-01		
Detected Co	ompound Summary		Source:	CTECH	CTECH	CTECH		
	I man and a s	NYSDEC	SDG:	D4947	D4947	E1768		
		Class GA	Matrix.	WATER	WATER	WATER		
		Groundwater	Sampled:	11/26/2012	11/26/2012	4/5/2013		
		Standards/Guidance	Validated:	1/23/2012	1/23/2012	4/30/2013		
CASNO	COMPOLIND	Values <sup>(1)</sup>	Validated.	1/25/2015	1/25/2015	4/30/2013		
CAS NO.	VOLATILES	values	UNITS:					
(7 ( 1 1	VOLATILES	5	. //	ND	ND	ND		
07-04-1	ACETONE	5	ug/I	ND	ND	ND		
/4-83-9	BROMOMETHANE	5	ug/l	ND	ND	ND		
110-82-7	CYCLOHEXANE		ug/l	ND	ND	ND		
98-82-8	ISOPROPYLBENZENE (CUMENE)	5	ug/l	ND	ND	ND		
78-93-3	METHYL ETHYL KETONE (2-BUTANONE)	50 (G)	ug/l	ND	ND	ND		
108-10-1	METHYL ISOBUTYL KETONE		ug/l	ND	ND	ND		
108-87-2	METHYLCYCLOHEXANE		ug/l	ND	ND	ND		
100-42-5	STYRENE	5	ug/l	ND	ND	ND		
1634-04-4	TERT-BUTYL METHYL ETHER	10	ug/l	0.49 J	1.4 J	1.6 J		
	BTEX							
71-43-2	BENZENE	1	ug/l	ND	ND	ND		
100-41-4	ETHYLBENZENE	5	ug/l	ND	ND	ND		
108-88-3	TOLUENE	5	ug/l	ND	ND	ND		
XYLMP	M.P-XYLENE (SUM OF ISOMERS)	5	ug/l	ND	ND	ND		
95-47-6	O-XYLENE (1.2-DIMETHYLBENZENE)	5	ug/l	ND	ND	ND		
	CVOCs	-	8					
74-87-3	CHLOROMETHANE	5	ug/l	ND	ND	ND		
156-59-2	CIS-1 2-DICHI OROFTHYI ENE	5	ug/1	ND	ND	ND		
127-18-4	TETRACHLOROFTHYLENE(PCF)	5	ug/1	ND	ND	ND		
127 10 1		5	ugri	n.D	TLD .	TLD .		
	Total VOCs			0.49	14	16		
	SEMIVOLATILES			0.19	1.1	1.0		
98-86-2	ACETOPHENONE		119/1	ND	ND	ND		
92-52-4	BIPHENYL (DIPHENYL)	5	ug/1	ND	ND	ND		
117-81-7	BIS(2 ETHVI HEXVI ) PHTHAI ATE	5	ug/1	ND	ND	ND		
86 74 8		5	ug/1	ND	ND	ND		
122 64 0	DIPENZOELDAN		ug/l	ND	ND	ND		
132-04-9	DIDENZOFUKAN 2.2' DICHLODODENZIDINE		ug/1	ND	ND	ND		
91-94-1	2 NITRO ANIL DIE	5	ug/i	ND	ND	ND		
99-09-2	3-NITROANILINE	5	ug/I	ND	ND	ND		
108-95-2	PHENOL	1	ug/I	ND	ND	ND		
82.22.0	PAHS	20 (C)	. //	ND	ND	ND		
83-32-9	ACENIA DUTUNI ENIE	20 (G)	ug/I	ND	ND	ND		
208-96-8	ACENAPHIHYLENE		ug/l	ND	ND	ND		
120-12-7	ANTHRACENE	50 (G)	ug/l	ND	ND	ND		
56-55-3	BENZO(A)ANTHRACENE	0.002 (G)	ug/l	ND	ND	ND		
50-32-8	BENZO(A)PYRENE	ND	ug/l	ND	ND	ND		
205-99-2	BENZO(B)FLUORANTHENE	0.002 (G)	ug/l	ND	ND	ND		
218-01-9	CHRYSENE	0.002 (G)	ug/l	ND	ND	ND		
206-44-0	FLUORANTHENE	50 (G)	ug/l	ND	ND	ND		
86-73-7	FLUORENE	50 (G)	ug/l	ND	ND	ND		
91-57-6	2-METHYLNAPHTHALENE		ug/l	ND	ND	ND		
91-20-3	NAPHTHALENE	10 (G)	ug/l	ND	ND	ND		
85-01-8	PHENANTHRENE	50 (G)	ug/l	ND	ND	ND		
129-00-0	PYRENE	50 (G)	ug/l	ND	ND	ND		
	Total PAHs			ND	ND	ND		
	Total SVOCs			ND	ND	ND		
1		1	1	110		110		

Notes:

Indicates concentration exceeds standard or guidance value. (G) Indicates guidance value.

NS

No standard or guidance value available. Indicates compound was not detected. ND

J Indicates an estimated concentration.

Micrograms per liter ug/L

Consolidated	1 Edison		Location ID:	MW-18	MW-9	MW-9	
Ludlow Stre	et Site		Sample ID:	MW-18	MW-9	MW-9-20130405	
Validated G	roundwater Analytical Data		Lab Sample Id	D4947-03	D4947-04	E1768-01	
Detected Co	mpound Summary		Source:	CTECH	CTECH	CTECH	
Deneened Co	inpound Summary	NYSDEC	SDG:	D4947	D4947	E1261	
		Class GA	Matrix:	WATER	WATER	WATER	
		Groundwater	Sampled:	11/26/2012	11/26/2012	4/5/2013	
		Standards/Guidance	Validatad:	1/23/2012	1/22/2012	4/3/2013	
a la vo	COLEGUAR	Standards/Outdariec	validated.	1/23/2013	1/23/2013	4/30/2013	
CAS NO.	COMPOUND	Values	UNITS:				
	VOLATILES						
7420 00 5	INORGANICS	+	. /1	0200 1	ND	01.0.1	
7429-90-5		2	ug/I	9290 J	ND	91.9 J	
7440-36-0	ANTIMONY	3	ug/l	ND	ND 12.7	ND 0.05 J	
7440-38-2	ARSENIC	25	ug/l	15.3 J	13.7	9.05 J	
7440-39-3	BARIUM	1000	ug/l	169 J	478 J	380	
7440-41-7	BERYLLIUM	3 (G)	ug/l	0.38 J	ND	ND	
7440-43-9	CADMIUM	5	ug/l	0.87 J	0.27 J	R	
7440-70-2	CALCIUM		ug/l	90000 J	198000 J	196000 J	
7440-47-3	CHROMIUM, TOTAL	50	ug/l	ND	ND	ND	
7440-48-4	COBALT		ug/l	12.8 J	ND	ND	
7440-50-8	COPPER	200	ug/l	59 J	1.11 J	ND	
7439-89-6	IRON	300	ug/l	18700 J	17400 J	11300	
7439-92-1	LEAD	25	ug/l	85.2 J	ND	ND	
7439-95-4	MAGNESIUM	35000 (G)	ug/l	31000 J	88100 J	77600 J	
7439-96-5	MANGANESE	300	ug/l	2030 J	4210 J	3240 J	
7439-97-6	MERCURY	0.7	ug/l	ND	ND	ND	
7440-02-0	NICKEL	100	ug/l	ND	ND	ND	
7440-09-7	POTASSIUM		ug/l	10900 J	22200 J	15100	
7782-49-2	SELENIUM	10	ug/l	ND	2.82 J	ND	
7440-22-4	SILVER	50	119/1	ND	ND	ND	
7440-23-5	SODIUM	20000	119/1	677000 I	ND	1210000 I	
7440-28-0	THALLIUM	0.5 (G)	119/1	ND	ND	3 46 I	
7440-62-2	VANADIUM		ug/1	20.6 I	ND	ND	
7440-66-6	ZINC	2000 (G)	ug/1	20.0 J 90 7 J	ND	ND	
57-12-5	CYANIDE	2000 (G)	ug/I	ND	ND	3 1	
57-12-5	DISSOLVED METALS	200	ug/L	ЦЪ	ND	55	
7429-90-5	ALUMINUM		ng/L				
7440-36-0	ANTIMONY	3	ug/L				
7440-38-2	ARSENIC	25	ug/L				
7440-30-3	BARIUM	1000	ug/L				
7440-39-3		3 (C)	ug/L				
7440-41-7		5 (0)	ug/L				
7440-43-9		5	ug/L				
7440-70-2	CHROMIUM		ug/L				
7440-47-3	CODALT	50	ug/L				
7440-48-4	COBALI		ug/L				
7440-50-8	COPPER	200	ug/L				
7439-89-6	IRON	300	ug/L				
7439-92-1	LEAD	25	ug/L				
7439-95-4	MAGNESIUM	35000 (G)	ug/L				
7439-96-5	MANGANESE	300	ug/L				
7439-97-6	MERCURY	0.7	ug/L				
7440-02-0	NICKEL	100	ug/L				
7440-09-7	POTASSIUM		ug/L				
7782-49-2	SELENIUM	10	ug/L				
7440-23-5	SODIUM	20000	ug/L				
7440-62-2	VANADIUM		ug/L				
7440-66-6	ZINC	2000 (G)	ug/L				

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

Consolidated Edison		Legation ID:	Towart	CV 1	SV 2	SV 4
Consolidated Edisol	1 at Works	Location ID:	Target	SV-1	SV-3	5V-4
Validated Air Analy	tical Data	Lab Sample Id.	Concentration	1210554-03A	1210554-01A	1210554-02A
Datastad Commonly		Lao Sample Id.	(1) (2)	1210554 0511	1210554 0111	1210554 0211
Detected Compound	I Summary	Source:		AIL 1210554	AIL 1210554	AIL 1210554
		SDG: Motriv		1210554 Soil Coo	1210554 Soil Coo	1210554 Soil Gas
		Matrix:		Soli Gas	5011 Gas	5011 Gas
		Sampled:		10/24/2012	10/24/2012	10/24/2012
CASNO	COMPOLIND	Vandated:	-	4/15/2015	4/13/2015	4/15/2015
CAS NO.	CHI ORINATED VOC	UNITS.				
71-55-6	1.1.1-Trichloroethane	UG/M3	22,000	65	ND	ND
56 23 5	Carbon tetrachloride	UG/M3	22,000	0.5 ND	ND	ND
156 50 2	ais 1.2 Dichloroothono		250	ND	ND	ND
130-39-2	Tatrachloroethene	UG/M3	81	28	100	24
70.01.6	Trichloroethene	UG/M3	2.2	20 ND	ND	24 ND
79-01-0	Inchloroenene	00/1015	2.2	ND	ND	ND
	NON-MGP RELATED VOC	]				
106-99-0	1,3-Butadiene	UG/M3	NS	34	ND	4.4
541-73-1	1,3-Dichlorobenzene	UG/M3	1,100	ND	ND	ND
106-46-7	1,4-Dichlorobenzene	UG/M3	8,000	ND	ND	ND
540-84-1	2,2,4-Trimethylpentane	UG/M3	NS	12	ND	ND
78-93-3	2-Butanone (Methyl Ethyl Ketone)	UG/M3	10,000	11	ND	ND
591-78-6	2-Hexanone	UG/M3	NS	ND	ND	ND
107-83-5	2-Methylpentane	UG/M3	NS	ND	ND	ND
67-63-0	2-Propanol	UG/M3	NS	ND	ND	ND
108-10-1	4-Methyl-2-pentanone	UG/M3	800	ND	ND	ND
67-64-1	Acetone	UG/M3	3,500	260	150	220
75-27-4	Bromodichloromethane	UG/M3	14	ND	ND	ND
74-83-9	Bromomethane	UG/M3	50	ND	ND	ND
75-15-0	Carbon disulfide	UG/M3	7,000	17	ND	14
67-66-3	Chloroform	UG/M3	11	ND	ND	ND
74-87-3	Chloromethane	UG/M3	240	ND	ND	ND
98-82-8	Cumene	UG/M3	4,000	ND	ND	ND
110-82-7	Cyclohexane	UG/M3	NS	7.9	ND	ND
64-17-5	Ethanol	UG/M3	NS	ND	ND	ND
75-69-4	Freon 11 (Trichlorofluoromethane)	UG/M3	7,000	ND	ND	ND
76-13-1	Freon 113	UG/M3	300,000	ND	ND	ND
75-71-8	Freon 12 (Dichlorodifluoromethane)	UG/M3	2,000	5.9	ND	ND
142-82-5	Heptane	UG/M3	NS	13	ND	190
110-54-3	Hexane	UG/M3	2,000	27	ND	360
75-09-2	Methylene chloride	UG/M3	520	ND	ND	ND
103-65-1	Propylbenzene	UG/M3	1,400	ND	ND	ND
100-42-5	Styrene	UG/M3	10,000	ND	ND	ND
109-99-9	Tetrahydrofuran	UG/M3	NS	ND	ND	ND
	POSSIBLY MGP RELATED VOC					
95-63-6	1 2 4-Trimethylbenzepe	UG/M3	60	ND	ND	ND
108 67 8	1,2,4-Trimethylbenzene	UG/M3	60	ND	ND	ND
622-96-8	4-Fthyltoluene	UG/M3	NS			ND
100-41-4	Fthyl Benzene	UG/M3	220	5 /		5.8
71-43-2	Benzene	UG/M3	31	20	ND	5.0 8.6
496-11-7	Indan	UG/M3	NS	ND	ND	ND
78-78-4	Isopentane	UG/M3	NS	ND	ND	ND
108_38_3/106_42.3	m n-Xvlene	UG/M3	70.000	10	11	20
91_20_3	Naphthalene	UG/M3	30	ND	ND	20 ND
95-47-6	o-Xvlene	UG/M3	70,000	52	ND	7
108-88-3	Toluene	UG/M3	4 000	3.2	23	60
		0.0/1110	.,000	55	25	00

Notes:

1. United States Environmental Protection Agency, " OSWER Draft Guidance for Evaluating the Vapor Intrusion to Indoor Air Pathway from

Groundwater and Soils (Subsurface Vapor Intrusion Guidance)", Table 2b, EPA530-D-02-004, November 2002.

2. NS indicates Not Specified.

3. Bold/highlighted results indicate exceedance of target concentration.







### LEGEND:

	FORMER MGP STRUCTURES
ooo	FENCELINE
•••••••••••••••••••••••••••••••	RAILROAD TRACKS
	PROPERTY LINE
	SITE BOUNDARY
<i>OHW</i>	OVERHEAD WIRE
<i>ST</i>	STORM SEWER
<i>W</i>	WATER LINE
<i>G</i>	GAS LINE

### NOTES:

- BASE SURVEY DRAWING PROVIDED BY THE CHAZEN COMPANIES. A SURVEY PERFORMED ON THE SITE IN JULY 2010 AND UPDATED IN DECEMBER 2012.
- 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.









				,D)Pyrene			hracene		Inthene	anthene	e	acene		(D			
30-33'	ß	ß	ND	ß	ND	ß	ND	ß	ß	ND	ß	ND	Ŋ	ND	Ŋ	9-9.5'	
45-47	N	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	35-35.5'	

	30-33'	45-47'
	1.8	ND
Û	4.7	N
	2.5	ND
icene	1.6	N
e	1.2	ND
Inthene	0.94	ND
Inthene	0.38	ND
	1.6	ND
hracene	ß	N
	2.5	ND
	4.5	ß
D)Pyrene	0.2	ß
	33.7	ß
	9.9	ß
	<u>မ</u> မ	ß



		Trene	ene	2,3-C,D)Pyrene		lene	h)Anthracene	æ	Fluoranthene	Fluoranthene	Pyrene	Anthracene	ne	thylene	thene		
D	0.62	1.3	28	٢	0.32	0.49	8	0.26	Ø	0.16	0.2	0.26	0.31	0.24	0.32	47-49	
$\subseteq$																	

NOTES:

- BASE SURVEY DRAWING PROVIDED BY THE CHAZEN COMPANIES, FROM A SURVEY PERFORMED ON THE SITE IN JULY, 2010 AND UPDATED IN DECEMBER 2012.
- OPRIC FEATURES IN BASE DRAWING BASED ON ORN. FRE. INSURANCE MARS DUTED 1888, 1888, 7, 1951, & 1991, WESTCHESTER COUNTY ATLAS, 1, YONKERS TRAX ASSESSORS MAP, REVISED 1947 FIGURE 3 FROM GEL CONSULTANTS, INC.
- ç SW
- 4.

- <u>ი</u> COMPOUNDS DETECTED DURING THE SITE CHARACTERIZATION OR REMEDIAL INVESTIGATION ABOVE USCOS, AT ANY LOCATION, ARE SHOWN.

	20 20	15 17	
	38-40'	45-47	45-47"
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	ND	ND	ΔN
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	ND	Ŋ	N
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ene	ND	ND	DN
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	ND	ND	ND
Pyrene	ND	Ŋ	ND
	ND	ND	DN
	ND	ND	ND
	ND	Ŋ	N

200 COTTONTAL LANE, SOMERSE

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

SUMMARY OF SVOC EXCEEDANCES IN SOIL

Consolidated Edison Former Ludlow Street Works Yonkers, New York

FIGURE 5

SCALE:

1"=40'

					e	ľ	è		Π.			
5	ND	38-40'					))Pyren			acene		
	z	<del>5</del>					æ					
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	54NBURN FIRE INSUR 1917, 1951, & 1991 1931., YONKERS TAX AND FIGURE 3 FROM
	ANCE MAPS DATED

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	PER
	KILOGRA

SHADED VALUES EXCEED 6 NYCRR PART 375 UNRESTRICTED SOIL CLEANUP OBJECTIVES (USCO).

5. ND - NOT DETECTED











FIGURE 8 Consolidated Edison Former Ludlow Street Works Yonkers, New York GROUNDWATER ELEVATION CONTOUR MAP PARSONS 301 PLAINFIELD ROAD, SUITE 350, SYRACUSE, N.Y. 13212, PHONE: 315–451–9560	50 25 0 50 100 SCALE: 1,"=50,"	<ol> <li>2. AMSL = ABOVE MEAN SEA LEVEL</li> <li>3. ELEVATIONS ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).</li> </ol>	NOTE: 1. GROUNDWATER ELEVATION IS POSTED ADJACENT TO MONITORING WELLS. MW-3 ELEVATION WAS NOT INCLUDED IN THE CONTOUR GENERATION.		GROUNDWATER FLOW DIRECTION	2.2 GROUNDWATER ELEVATION CONTOUR (JANUARY 2013)	GAS LINE	STORM SEWER	 SITE BOUNDARY	HILLING RAILROAD TRACKS	FENCELINE	— — — — — FORMER MGP STRUCTURES	TEST PIT LOCATION (TP)	SOIL BORING LOCATION (SB)	<u>Legend:</u> Monitoring Well Location (MW)

FILE NAME: C:\USERS\48606\DESKTOP\CON ED LUDLOW STREET WORKS\446110-FIG-10.DWG PLOT DATE: 2/24/2014 7:41 PM PLOTTED BY: GOLDTHWAIT, JAMES Styrene oluene VI,P-Xylene thylbenzene enzene opropylebenzene loromethane tetone omomethane Chloromethane Ethylbenzene cetone tyrene opropylebenzene enzene omomethane luene ylene -Xylene Styrene luene I,P-Xylene hylbenzene enzene opropylebenzene loromethane etone omomethane 07/13/10 MW-4 N N N L3 N B ND ND ND 07/12/10 MW-2 ND 1.7 J A A 13 J 1.4 J ND 3.7 J 11/26/12 MM-8 B ND 11/27/12 MW-4 ND 04/08/13 MW-2 8.7 J MW-8 (d) 11/26/12 ND 04/08/13 MW-4 81.1J A A A A A A ND ND SB-03 SB-02 2-MM [\_ PURTEYING METER REMAINS OF TANK BOILER SB-04 sopropylebenzene Acetone ityrene Bromomethane enzene oluene -Xylene TP-03 iylbenzene oromethane GAS HOLDER (250,000 CU FT) -Xylene 8-MM -REMAINS OF TANK TP-01 TP+05 SB-09/SV-1 HOLDER SB-01 SB-08 TP-02 SB-05 SB-06 ₹Р-04А 07/12/10 MW-1 (TP-04₿/ SB-07 SALT PILE 11/26/12 **TP-06** MW-1 ND FEDERAL STREET ▲ SB-12 RETORTS SB-10 GAS HOLDER (50,000 CU FT) - EXPOSED PIPES 04/05/13 7.8 J MW-1 9 SB-16 MW-7 DMO Th 000 SB-13 Styrene sopropylebenzene Acetone hloromethane enzene hylbenzene SB-11 0 omomethane lene Xylene SB-14 SB-17 07/13/13 MW-3 STORY BRICK ND ND ND 95 64 120 77 ND DNIO71 11/27/12 \*\*\*\* MW-3 ND 59 350 250 280 410 190 190 ND -6-MM 04/08/13 MW-3 3.9 J 41.5 360 160 260 260 160 ND -RAILRE SPUR  $\blacklozenge$ ND ND MW-3 (d) 04/08/13 O-Xylene Chloromethane Benzene Ethylbenzene 4.6 J 42.6 460 180 310 370 180 ND Toluene M,P-Xylene <u>Benzene</u> Ethylbenzene VI, P-Xylene Ethylbenzene M, P-Xylene Benzene Styrene ND ND Acetone Chloromethane romomethane cetone sopropylebenzene Bromomethane tyrene loromethane -Xylene -Xylene cetone opropylebenzene propylebenzene uene momethane 11/27/12 ND 24 18 690 270 270 270 270 420 ND 11/26/12 ND ND ND ND ND ND ND ND MW-5 07/13/10 MW-7 6-MM 88 J ND ND ND ND 7.8 7.8 7.8 5.2 5.2 5.2 2.4 J ND ND 69 MW-9 04/05/13 ND ND ND ND ND ND ND ND MW-7 04/04/13 ND 9.8 ND 1200 90 62.8 180 130 ND MW-5 (d) 07/13/10 9.8 J ND ND 9.6 7.1 5.9 3.5 2.8 64



									ΥG	5\446110-FIG-10.DV	STREET WORKS	N ED LUDLOW	\DESKTOP\CO	E NAME: C:\USERS\48606	FILE
	MW-3     MW-3 (d)       (08/13)     04/08/13       25.2     36.2       ND     ND       ND     ND       25.5     32.2       12.1     12.2       12.1     8.5 J       3.5 J     8.5 J       3.4 J     6.5 J       12.3     12.2       17.3     65.1       300     3900       72.9     110	MW-3 N 11/27/12 04 25.1 J 04 ND ND 17.1 J ND 17.1 J ND 17.1 J ND 17.1 J ND 17.1 J 17.1 J 17.1 J ND 17.1 J 17.1 J 1	MW-3 7/13/2010 25 3.2 J 31 ND ND ND ND ND ND 43 1300 48	Biphenyl (Diphenyl) Bis(2-Ethylehexyl)Phthalate Phenol Acenaphthene Benze(a)anthracene Benzo(b)fluoranthene Chrysene Fluorene Fluorene Fluorene Naphthalene Phenanthrene	MW-1 04/05/13 ND ND ND ND ND	) 11/26/12 ND ND ND ND ND ND ND ND ND ND ND ND	Ate ND Ate ND ND ND ND ND ND ND ND ND ND ND	nyl (Diphenyl) Ethylehexyl)Phthal:   	Bipher Bis(2-E Pheno Acena Benzei Benzoi Benzoi Chryse Fluore Naphtl	,					
MW-7 N 11/27/12 04/ 7.3 2 ND 12.1 2 ND 12.1 2 ND 1 12.1 2 ND 1 9.9 4 1300 1 14.2 1	Biphenyl (Diphenyl) Bis(2-Ethylehexyl)Phthalate Phenol Acenaphthene Benze(a)anthracene Benzo(b)fluoranthene Chrysene Fluorene Fluorene Naphthalene Phenanthrene			SB-13 SB-14 SB-14	J. J	GAS HELD	SB-05	SB-09/SV-1	REMAINS OF TAN FOUNDATION			2010 04/08 91 02 0 04/08 0 00 04/08 0 00 04/08 0 00 04/08 0 00 04/08 0 00 04/08	Alate N Alate N N N N N N N N N N N N N N	Biphenyl (Diphenyl) Bis(2-Ethylehexyl)Phth Phenol Acenaphthene Benze (a)anthracene Benzo (a)pyrene Benzo (b)fluoranthene Chrysene Fluorene Fluorene Naphthalene Phenan:hrene	
11/26/12         04/           ND         ND           ND         07/13/10           2.8J         3.6J           ND         ND           11.4         14           ND         ND           ND         ND           11.4         14           5.8         7.6           5.8         7.6           5.8         7.6           14         19	Biphenyl (Diphenyl) Bis(2-Ethylehexyl)Phthalate Phenol Acenaphthene Benzo(a)pyrene Benzo(b)fluoranthene Chrysene Fluorene Naphthalene Phenanthrene Benzo(a)pyrene Benzo(a)pyrene Benzo(a)pyrene Benzo(a)pyrene Benzo(b)fluoranthene Chrysene Chrysene Benzo(a)pyrene Benzo(b)fluoranthene Chrysene Senzo(b)fluoranthene Senzo(b)fluoranthene Senzo(b)fluoranthene Senzo(b)fluoranthene Chrysene Senzo(b)fluoranthene Sen	RAILERE SPUR		<b>REET</b>	SB-16	EXPOS	TI TI TI TI TI TI TI TI TI TI	MV-8	HILLING BOOK	SB-02	$\begin{array}{c c} -8 (d) \\ \hline VD \\ $	NW-8     MW       26/12     11/2       ND     N       ND     ND       ND     ND	halate M halate M MW-4 MD ND ND	Biphenyl (Diphenyl) Bis(2-Ethylehexyl)Phi Phenol Acenaphthe ne Benze(a)anthracene Benzo(a)pyrene Benzo(b)fluoranthen Chrysene Fluore ne Naphthale ne Phenanthrene Acenaphthene	
MM-9			TOPY ,		MIGTING		/.								

PLOT DATE: 2/24/2014 7:38 PM PLOTTED BY: GOLDTHWAIT, JAMES

8] <b>1</b>	VIW-7 VIW-7 ND ND 47.1 14.8 9.7 J 14.6 46.3 1600 110	(d) MW-5 10 04/05/13 10 04/05/13 19.6 ND 42.6 ND ND ND ND ND 18 240J 21.2	MW-9 ND ND ND ND ND ND ND ND ND ND ND ND ND
SCALE: 1"=50" SCALE: 1"=50" FIGURE 10 Consolidated Edison Former Ludlow Street Works Yonkers, New York SUMMARY OF SVOC EXCEEDANCES IN GROUNDWATER EXCEEDANCES IN GROUNDWATER	<ul> <li>SHADED = INDICATES COMPOUND EXCEEDS CLASS GA GROUNDWATER OR STANDARD OR GUIDANCE VALUE (REFER TO TABLE 4)</li> <li>ND INDICATES COMPOUND WAS NOT DETECTED</li> <li>J INDICATES AN ESTIMATED CONCENTRATION</li> <li>(d) DUPLICATE SAMPLE</li> </ul>	NOTES: 1. COMPOUNDS DETECTED DURING THE SITE CHARACTERIZATION OR REMEDIAL INVESTIGATION ABOVE NYSDEC CLASS GA GROUNDWATER STANDARDS/GUIDANCE VALUES ARE SHOWN. 2. ALL CONCENTRATIONS LISTED IN MICROGRAMS PER LITER (UG/L).	<ul> <li>MONITORING WELL LOCATION (MW)</li> <li>SOIL BORING LOCATION (SB)</li> <li>TEST PIT LOCATION (TP)</li> <li>FORMER MGP STRUCTURES</li> <li>FORMER MGP STRUCTURES</li> <li>FENCELINE</li> <li>RAILROAD TRACKS</li> <li>PROPERTY LINE</li> <li>SITE BOUNDARY</li> </ul>

LEGEND:
Iron         20400         520000 I         53000         55300           Magnesium         6360         53000 J         24500 J           Manganese         927         6820 J         1210 J           Mercury         43.1         16.85         20.182 J           Nickel         36.8         6890 J         1210 J           Selenium         5.7 J         26         16.1           Sodium         ND         5.2 J         4.02 J           Zinc         327         5910 J         7120 J           Antimony         ND         5.2 J         4.02 J           Arsenic         16.2         NU         20           Cadmium         16.3 J         1.22 J           Chromium, Total         4.96 J         ND           Arsenic         12.3         27.4 J           Iron         1.63 J         1.22 J           Chromium, Total         4.96 J         ND           Magnesium         10.300         33200 J           Manganese         2010         2160 J           Sodium         ND         ND           ND         ND         ND           Zinc         ND         33.4 J	$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$
Standard         No         <	Reperted to the second of the
SP-15 NH-7 SP-13 SP-13 SP-13 SP-13 SP-14 SP-14 SP-	L STREET WILLIAM SB-11 WILLIAM SB-
Cadmum         ND         ND         Z.71           Chromium, Total         ND         ND         2.23           Copper         ND         ND         5.861           Iron         2390         2230         4550           Lead         9.5         12.2         2321           Magnesium         36900         38800         58801           Magnese         4100         3890         15801           Mercury         ND         ND         ND           Magnese         4100         3890         15801           Mercury         ND         ND         ND           Sodium         ND         NUD         ND           Sodium         S250000         5170000         327000001           Sodium         ND         ND         ND           Antimony         6.861         ND         A6.81           Copper         1.441         2.061         Ince           Magnesium         378001         422001         ND           Magnesium         ND         1.300         K81           Mercury         ND         1.300         K81           Mangnese         10301         535001 <th>NW-9NW-9NW-9AntimonyNDNDAntimonyNDNDArsenic13.79.05JBariumNDNDChromium, TotalNDNDCopper1.11JNDCopper1.14DNDMagnesium88100J77600JMagnese4210J3240JMarganese4210J3240JMarganese4210J3240JMarganese4210J3240JMarganeseNDNDSeleniumND1210000JThalliumND1210000JThalliumND3.46JZincNDNDCyanideND3AntimonyNDNDAntimonyNDNDAntimonyNDNDBarium157149BerylliumNDNDNDNDND</th>	NW-9NW-9NW-9AntimonyNDNDAntimonyNDNDArsenic13.79.05JBariumNDNDChromium, TotalNDNDCopper1.11JNDCopper1.14DNDMagnesium88100J77600JMagnese4210J3240JMarganese4210J3240JMarganese4210J3240JMarganese4210J3240JMarganeseNDNDSeleniumND1210000JThalliumND1210000JThalliumND3.46JZincNDNDCyanideND3AntimonyNDNDAntimonyNDNDAntimonyNDNDBarium157149BerylliumNDNDNDNDND
VALUES ARE SHOWN. 2. ALL CONCENTRATIONS LISTED IN MICROGRAMS PER LITER (UG/L). SHADED = INDICATES COMPOLIND EXCEEDS CLASS GA GROUNDWATHR OR STANDARD OR GUIDANCE VALUE (REFER TO TABLE 4) ND INDICATES AN ESTIMATED CONCENTRATION (d) DUFLICATE SAMPLE (d) DUFLICATE SAMPLE SCALE: 1"=50" FIGURE 11 Consolidated Edison Former Ludiow Street Works Yonkers, New York SUMMARY OF INORGANICS EXCEEDANCES IN GROUNDWATER ARSONS 1 PRAVIEW 500, SUITE 350, STREOUSE, N.Y. 13212, PHONE 315-451-9500	MONITORING WELL LOCATION (MW) SOL BORING LOCATION (MW) SOL BORING LOCATION (SB) TEST PIT LOCATION (TP) FORMER MGP STRUCTURES FENCELINE MINIMUMENT RAILROAD TRACKS PROPERTY LINE PROPERTY LINE SITE BOUNDARY NOTES: NOTES: NOTES:





					1		1			1								1	
Cyanide	Zinc	Thallium	Sodium	Selenium	Nickel	Mercury	Manganese	Magnesium	Lead	Iron	Copper	Chromium, Total	Cadmium	Beryllium	Barium	Arsenic	Antimony		
126	ND	ND	1.1E+07	ND	8.77 J	9.7	2010	10300	97	11700	12.3	4.96 J	1.63 J	ND	630	16.2	ND	7/12/10	NM-2
224	35.4 J	ND	39700000 J	ND	ND	ND	2160 J	33200 J	10.1 J	6860	27.4 J	ND	1.22 J	ND	1990	ND	9.48 J	04/08/13	MW-2

	MW-4	MW-4	MW-4
	07/13/10	11/27/12	04/08/13
Antimony	ND	ND	ND
Arsenic	30.1	206	40
Barium	221	2170 J	523
Beryllium	0.98 J	7.1 J	1.23 J
Cadmium	8.57	25	1.3 J
Chromium, Total	19.3	352 J	113 J
Copper	61.5	822 J	205 J
Iron	20400	520000 J	55300
Lead	559	10700	1200 J
Magnesium	6360	53000 J	24500 J
Manganese	927	6820 J	1 <b>210 J</b>
Mercury	43.1	16.85	20.182
Nickel	36.8	689	112 J
Selenium	5.7 J	26	16.1
Sodium	1500000	167000 J	712000 J
Thallium	ND	5.2 J	4.02 J
Zinc	327	5910 J	715 J
Cyanide	299	224	126

ND	ND	Cyanide
90.7 J	ND	Zinc
ND	ND	Thallium
677000 J	628000 J	Sodium
ND	ND	Selenium
ND	ND	Nickel
ND	ND	Mercury
2030 J	1520 J	Manganese
31000 J	25200 J	Magnesium
85.2 J	24.5 J	Lead
18700 J	3790 J	Iron
59 J	20.7 J	Copper
ND	ND	Chromium, Total
0.87 J	0.3 J	Cadmium
0.38 J	ND	Beryllium
169 J	104 J	Barium
15.3 J	4.85 J	Arsenic
ND	5.06 J	Antimony
11/26/12	11/26/12	
MW-8 (d)	MM-8	

HE .	









	PARSONS TEST PIT RECORD	
PROJECT NAME:	Con Edison: Ludlow Street Works	TEST PIT ID: TP-6
PROJECT NUMBER:	446110	LOCATION:
WEATHER	Partly cloudy, 60s, 5-10 mph E	Approximate L X W X D
DATE/TIME START:	November 7, 2012/0910	= 29' X 4' X 6'
DATE/TIME FINISH:	November 7, 2012/1120	
CONTRACTOR:	ADT	West of MTA Tracks, along Federal Street
INSPECTOR:	Zohar Lavy	
DEPTH (feet bgs)	FIELD IDENTIFICATION OF MATERIAL	COMMENTS
0	0-5' Moist, dark brown/grey fine to coarse SAND and fine to coarse sub-angular to sub-round Gravel, some Slag, little Metal, trace Glass, trace Brick	Naphthalene Pipe not encountered. Top of water table encountered at approximately 5.5 ft bos
1		
2		
3		
4		
5	Wet, dark brown/grey fine to coarse SAND and fine to coarse sub-angular to sub- round Gravel, some Slag, little Metal, trace Glass	
	Bottom of Test Pit at 6 ft bgs	
6		
7		
8		
9		



	PARSONS	
	TEST PIT RECORD	1
PROJECT NAME:	Con Edison: Ludlow Street Works	TEST PIT ID: TP-1
PROJECT NUMBER:	446110	LOCATION:
WEATHER	Partly cloudy, 60s, 5-10 mph E	Approximate L X W X D
DATE/TIME START:	June 17, 2010/1230	= 29' X 4' X 8.5'
DATE/TIME FINISH:	June 17, 2010/1400	
CONTRACTOR:	ECI	Northwest portion of the site
INSPECTOR:	Zohar Lavy	
DEPTH (feet bas)	FIELD IDENTIFICATION OF MATERIAL	COMMENTS
0	0-0.5' ASPHALT	Holder foundation wall not encountered.
1	0.5-3' Dark brown fine to coarse SAND, some Gravel and Cobble, little Brick, trace Boulder and Wood	Holder bottom/floor encountered at ~ 8.5 ft bgs.
2		
3		
4	3-6' Dark brown medium to coarse SAND, some Gravel and Brick, trace Cobble	
5		
6	6-8.5' ASH and SLAG, little fine to coarse Sand, Cobble and Brick	
7		
8		
9	Bottom of Test Pit at 8.5 ft bgs	
10		
11		
12		

	PARSONS TEST PIT RECORD	
PROJECT NAME:	Con Edison: Ludlow Street Works	TEST PIT ID: TP-1
PROJECT NUMBER	446110	LOCATION:
WEATHER	Partly cloudy. 60s. 5-10 mph E	Approximate L X W X D
DATE/TIME START:	June 17, 2010/1230	= 29' X 4' X 8.5'
DATE/TIME FINISH:	June 17, 2010/1400	
CONTRACTOR:	ECI	Northwest portion of the site
INSPECTOR:	Zohar Lavy	
	PHOTOGRAPH	
TP-1looking west	<image/>	

	PARSONS	
	TEST PIT RECORD	
PROJECT NAME:	Con Edison: Ludlow Street Works	TEST PIT ID: TP-2
PROJECT NUMBER:	446110	LOCATION:
WEATHER	Clear, 70s, 0-5 mph East	Approximate L X W X D
DATE/TIME START:	June 18, 2010/0800	= 50' X 4' X 4.5'
DATE/TIME FINISH:	June 18, 2010/1215	Angled test-pit = 8' X 4' X 8.5'
CONTRACTOR:	ECI	
INSPECTOR:	Zohar Lavy	Northwest portion of the site, just south of junk pile
DEPTH (feet bas)	FIELD IDENTIFICATION OF MATERIAL	
0	0-4.5' CONSTRUCTION DEBRIS and brown fine to coarse SAND, some Brick; 0-4.5' (in Angled Test Pit) BRICK and brown fine to coarse SAND	Holder foundation wall not encountered in originalTP-2. Footings encountered at ~4.5 ft bgs in original
1		TP-2. Holder wall encountered from ~3.5 to 8.5 ft bgs in angled TP-2 (~18 ft east of TP-2 western starting point)
2		Holder foundation wall encountered again at $\sim$ 40 ft east from TP-2
3		western starting point.
4		
	4.5-7.5' (in Angled Test Pit) BRICK and brown fine to coarse SAND	
5		
6		
7		
0	7.5-8.5' (in Angled Test Pit) ASH and SLAG, little fine to coarse Sand	Holder bottom/floor encountered at ~8.5 ft bgs
0	Bottom of Test Pit at 8.5 ft bgs	

	PARSONS TEST PIT REC	CORD
PROJECT NAME:	Con Edison: Ludlow Street Works	TEST PIT ID: TP-2
PROJECT NUMBER:	446110	LOCATION:
WEATHER	Clear. 70s. 0-5 mph East	Approximate L X W X D
DATE/TIME START:	June 18. 2010/0800	= 50' X 4' X 4.5'
DATE/TIME FINISH:	June 18, 2010/1215	Angled test-pit = $8' \times 4' \times 8.5'$
CONTRACTOR:	ECI	° '
INSPECTOR:	Zohar Lavy	Northwest portion of the site, just south of
	PHOTOGRAPH	junk pile
TP-2 looking northwest		
TP-2 looking west	TP-2 (angled) at ~ 8.5 ft bgs with holder four	ndation wall in foreground and footings in back ground
	TP-2 eastward extension with exposed holder	Foundation wall and larger excavation in back ground

	PARSONS TEST PIT RECORD	
PROJECT NAME:	Con Edison: Ludlow Street Works	TEST PIT ID: TP-3
PROJECT NUMBER:	446110	
WEATHER	Partly cloudy, 60s, 5-10 mph east	LOCATION:
DATE/TIME START:	June 17, 2010/0800	Approximate L X W X D
DATE/TIME FINISH:	June 17, 2010/1130	= 11' X 4' X 9.5'
CONTRACTOR:	ECI	Central-Eastern portion of the site
INSPECTOR:	Zohar Lavy	
DEPTH (feet bgs)	FIELD IDENTIFICATION OF MATERIAL	COMMENTS
0	0-0.5' ASPHALT	Holder wall encountered at ~ 0.5 ft bgs and intact to 9.5 ft bgs
1	0.5-3' Brown fine to medium SAND, some Gravel, little sub-round Cobble, trace Urban fill, dry	
2		
3	3-6' Brown/red medium to coarse SAND, some angular and sub-angular Gravel, trace Cobble, dry	
4		
5		
6	6-9' Dark brown/red fine to coarse SAND, little sub-angular Gravel, little Concrete and Brick, trace Boulder, slightly moist	
7		
8		
9	9-9.5' Dark brown/black fine to coarse SAND, little sub-angular Gravel, moist	Holder bottom encountered at ~ 9.5 ft bgs
10	Bottom of Test Pit at 9.5 ft bgs	
11		
12		



	PARSONS TEST PIT RECORD	
PROJECT NAME:	Con Edison: Ludlow Street Works	TEST PIT ID: TP-4A/B
PROJECT NUMBER:	446110	
WEATHER	Partly cloudy, 60s, 0-5 mph east	LOCATION:
DATE/TIME START:	June 14, 2010/1100	Approximate L X W X D
DATE/TIME FINISH:	June 14, 2010/1425	TP-4A = 12' X 4' X 3'
CONTRACTOR:	ECI	TP-4B = 10' X 4' X4.5'
INSPECTOR:	Zohar Lavy	Northern portion of the site
DEPTH (feet bgs)	FIELD IDENTIFICATION OF MATERIAL	COMMENTS
	0-0.5' SALT	Gasholder wall not encountered. A brick structure with two ~12" diameter pipes
1	0.5-4.5' Brown fine to coarse SAND, some Gravel, some Brick, little Cobble, little Urban fill and Debris	-running northeast/southwest was exposed. The holder wall was later uncovered at the surface ~8 ft northeast of TP-4B during salt moving operations. Additionally, two open ~12" pipes were encountered ~ 2 ft
2		north of TP-4B.
3		
4		
5	Bottom of Test Pit at 4.5 ft bgs	
6		
7		
8		
9		
10		
11		
12		

PARSONS TEST PIT RECORD									
Con Edison: Ludlow Street Works	TEST PIT ID: TP-4A/B								
446110									
Partly cloudy, 60s, 0-5 mph east	LOCATION:								
June 14, 2010/1100	Approximate L X W X D								
June 14, 2010/1425	TP-4A = 12' X 4' X 3'								
ECI	TP-4B = 10' X 4' X4.5'								
Zohar Lavy	Northern portion of the site								
PHOTOGRAPH									
TD-44 and brick structure to the porth with $2 \sim 12^{\circ}$ pipes runr	ning southwest from under brick structure								
TP-4B in foreground and TP-4A in background with the squa	The brick structure adjacent to both								
	PARSONS TEST PIT RECORD           Con Edison: Ludlow Street Works           446110           Partly cloudy, 60s, 0-5 mph east June 14, 2010/1425           ECI           Zohar Lavy   PHOTOGRAPH           Image: Construct of the provided structure to the north with 2 - 12" pipes runt           TP-4A and brick structure to the north with 2 - 12" pipes runt   TP-4B in foreground and TP-4A in background with the square								

PARSONS TEST PIT RECORD												
PROJECT NAME:	Con Edison: Ludlow Street Works	TEST PIT ID: TP-5										
PROJECT NUMBER:	446110											
WEATHER	Clear, 60s, 0-5 mph east	LOCATION:										
DATE/TIME START:	June 15, 2010/0720	Approximate L X W X D										
DATE/TIME FINISH:	June 15, 2010/1145	12' X 4' X 9'										
CONTRACTOR:	ECI											
INSPECTOR:	Zohar Lavy	Northern portion of the site										
DEPTH (feet bags)	FIELD IDENTIFICATION OF MATERIAL	COMMENTS										
0	0-5' Brown fine to coarse SAND, some Cobble, some Gravel, little Boulder, trace Brick, trace Urban debris, dry	Holder wall encountered at ~ 1.5 ft bgs. The bottom/floor of the holder was not encountered.										
1												
2												
3												
4												
5	Brown fine to coarse SAND and COAL, little Gravel, some Cobble, dry											
6												
7	Brown/grey fine to coarse SAND and fine GRAVEL, little Gravel, trace Rubber, trace Metal	Water encountered at ~ 9 ft bgs										
8												
9	Bottom of Test Pit at ~ 9 ft bgs											
10												
11												
12												



					PARSONS	BORING/WELL I	D: SB-9
					DRILLING RECORD		Sheet 1 of 1
Contract	or: Aquifer Dril	ling & Testing				Location Description:	
Driller:	Greg Rivera				PROJECT NAME: Consolidated Edison - Former Ludlow Street Works	Walkway immediately sc	outh of Wayerly Prop.
Inspector	: Zohar Lavy				PROJECT NUMBER: 446110-04000	Building	j i
Rig Type	Track Mour	ted Sonic Rig					
	GROUNDV	VATER OBSERVAT	TIONS			Location Plan	
Water	DTW	DTW			Weather: Overcast, low 60s	_	
Level	~23' bgs		_		10.05.0010/1/15		
Date	10-26-2012		_		Date/Time Start: 10-26-2012/1415	See Site Plan	
Mana	1430 ft bac	Top of Casing			Data/Time Finish: 10.26.2012/1455		
From	n ogs - Soil cuttings	Top of Casing			Date/Thile Fillish. 10-20-2012/14-55	-	
Sample	Location/	SPT	Rec	PID	FIELD IDENTIFICATION OF MATERIAL	SCHEMATIC	COMMENTS
Depth	Sample I.D.	511	(%)	(ppm)		bomanite	commune
+2			()				
+1							
0		Vac-tron	NA	NA	0-4" ASPHALT		
1		Vac-tron	NA	0.0	4"-5' Dry, fine to coarse SAND and DEBRIS, some fine to coarse sub-angular to sub-round Gravel,		
2		Vac-tron	NA		little Asphalt		
3		Vac-tron	NA				
4		Vac-tron	NA				
5 6 7	SB-9 (5-8)	Sonic	83	9.4	0-12" Dry, dark brown fme to coarse SAND, some fine to coarse sub-angular Gravel, trace Brick fragments 12-30" Dry, brown, fine to medium SAND and angular to round fine to medium Gravel		
8					0-12" SCHIST	-	Very hard drilling at 8' bgs
9		Sonic	100	8.2	12-24" Moist, brown/orange fine to medium SAND and fine to coarse sub-angular to sub-round GRAVEL, trace Silt		
10					0-24" Dry/moist, brown medium SAND, some angular to sub-round fine to medium Gravel, trace	1	
11					Porcelain & Shell fragments		
12		Sonic	100	5.8	24-60" Dry, orange fine to medium SAND, little coarse sub-angular Gravel, trace Silt		
13							
14							
15					0-24" Dry, orange fine to medium SAND, little coarse sub-angular Gravel, trace Silt		
16	-	C	100	2.5	24-50" Dry, orange/brown medium to coarse SAND, some angular to sub-angular fine to medium		
17		Sonic	100	3.5	01aver 50-60" Moist orange/brown fine to coarse SAND some medium to coarse sub-round Gravel trace Silt		
18		-			50 00 Monst, orange orown line to course or http://sonie mediain to course sub round Oravei, tace one		
20	1		1	t	0-24" Moist, orange/brown fine to coarse SAND, some medium to coarse sub-round Gravel. trace Silt. trace Ash and	1	
21					Plastic		
22		Sonic	80	4.4	24-48" Moist/wet, brown fine to coarse SAND, some medium to coarse sub-round Gravel, trace Silt		
23			1				
24							
25					0-24" Moist/wet, brown fine to coarse SAND, some medium to coarse sub-round Gravel, little Silt		
26			100		24-60" Moist, orange fine SAND and Silt, trace Clay and Cobble		
27	-	Sonic	100	2.5			
28	SB-9 (28-30)						
30					End of Boring at 30 ft bas	-	
	SAMPLING MET	HOD			Hand cleared to 5 ft bgs; Sonic drilled from 5 to 30 ft bgs		1
	SS = SPLIT SPOON	ſ					
	A = AUGER CUTT	INGS					
	$\mathbf{C} = \mathbf{CORED}$						
	WH = WEIGHT OF	HAMMER (RODS)					

					PARSONS	BORING/WELL ID	: SB-10
Contracto	r: Aquifer Drill	ing & Testing			DRILLING RECORD	Location Description:	Sheet 1 of 1
Driller:	Greg Rivera	ing to result			PROJECT NAME: Consolidated Edison - Former Ludlow Street Works	Approx. 45' north of DPW	/ yard concrete
Inspector	Zohar Lavy				PROJECT NUMBER: 446110-04000	retaining wall and 50' west	t of Waverly Prop.
Dig Type	Track Mount	ed Sonic Pig				Boundary	
Kig Type:	GROUNDW	ATER OBSERVATI	IONS			Location Plan	
Water	DTW	DTW			Weather: Overcast, low 60s		
Level	~20' bgs						
Date	10-25-2012				Date/Time Start: 10-25-2012/1125	See Site Plan	
Meas.	ft bgs -	Top of Casing			Date/Time Finish: 10-25-2012/1240		
From	Drill cuttings	1 0					
Sample	Location/	SPT	Rec.	PID	FIELD IDENTIFICATION OF MATERIAL	SCHEMATIC	COMMENTS
Depth +2	Sample I.D.		(%)	(ppm)			
+1							
0		Vac-tron	NA	0.0	0-6" Moist, dark brown fine to coarse SAND and ORGANICS, some fine to coarse Gravel, trace Silt		
1		Vac-tron	NA		and Asphalt		
2		Vac-tron	NA	0.0	U.5- 3' MOIST, dark brown line to coarse SAND and ORGANICS, some Cobble, little line to coarse Gravel 3- 5' Moist/dry brown medium to fine SAND some fine to coarse Gravel trace Brick		
4		Vac-tron	NA	0.0			
5				0.5	0-52" Moist, dark brown fine to coarse SAND, some fine to coarse sub-angular to sub-round Gravel,		
6					little Cobble, trace Brick		
7		Sonic	100	1.8	52-60" APHALT and WOOD, some fine to coarse Sand and fine to coarse Gravel		
8 9							
10			1		0-12" Dry, brown/gray fine to coarse SAND, some fine to coarse Gravel, trace Wood and Metal	1	
11					fragments		
12		Sonic	80	1.2	12-30" Dry, orange, fine to coarse SAND, some Porcelain fragments, trace Metal wire		
13					trace Wood, Porcelain, and Silt		
15	-			1.5	0-60" Moist, brown, medium to fine SAND, some fine to coarse sub-angular to sub-round Gravel, little		
16					Asphalt, Wood, trace Concrete		
17		Sonic	100				
18							
20				1.3	0-16" Moist, brown, medium to fine SAND, some fine to coarse sub-angular to sub-round Gravel, little		
21					Asphalt, Wood, trace Concrete		
22		Sonic	80	-	16-20" CONCRETE		
23				3.8	40-48" Moist, orange/brown fine to coarse SAND and COAL, slight hydrocarbon odor 40-48" Moist, orange/brown fine to coarse SAND, little angular to sub-round medium to fine Gravel.		
24				1.7	0- 24" Moist, orange/brown fine to coarse SAND, little angular to sub-round medium to fine Gravel.		
25				125.0	trace Silt		
26		Sonic	100	835.0	24- 60" Wet, black fine to coarse SAND and angular to sub-angular medium to fine Gravel, some Coal,		
28					black stanning, strong nytrocarbon odor, ivAr L		
29							
30	SB-10 (30-32)			2254.0	0- 24" Wet, black fine to coarse SAND and angular to sub-angular medium to fine Gravel, some Coal,		
32		Sonic	100		24-28" BRICK		
33					28-34" CONCRETE		
34				1200.0	34-60" Dry, orange/brown, fine to coarse SAND, little medium to fine sub-angular Gravel, trace Silt,		
35				1150.0	0-20" Dry, orange/brown, fine to coarse SAND, little medium to fine sub-angular Gravel, trace Silt, Staining, strong hydrocarbon odor, NAPL blebs		
36		Sonia	100	350.0	20-60" Wet, black, medium to coarse SAND, orange NAPL saturated, strong hydrocarbon odor and		
37		Some	100		staining		
38							
40				485.0	0-30" Wet, black fine to coarse GRAVEL and SAND, NAPL saturated, strong hydrocarbon odor		
41				85.0	30-36" Wet, orange medium to coarse SAND		
42		Sonic	100		36-60" Wet, orange, fine SAND and SILT, trace olive Clay, sheen		
43 44				├			
45	SD 10 (45 47)			22.0	0-12" Moist/wet, orange, fine SAND and SILT, trace olive Clay, sheen		
46	<u>зв-10 (45-47)</u>			3.5	12-24" Moist, orange/red fine SAND, little Silt		
47		Sonic	100		24-60" Weathered SCHIST		
48 49							
50			ı	·	End of Boring at 50 ft bgs		
	SAMPLING METH	IOD			NAPL observed from 27 to 42.5 ft bgs		
	SS = SPLIT SPOON	NCS			Boring hand cleared to 5 ft bgs; Sonic drilled 5 to 50 ft bgs		
	A = AUGER CUTTI C = CORED	NUD					
	WH = WEIGHT OF	HAMMER (RODS)					

					PARSONS	BORING/WELL I	D: SB-11
					DRILLING RECORD		Sheet 1 of 1
Contracto	or: Aquifer Dril	ling & Testing				Location Description:	
Driller:	Greg Rivera				PROJECT NAME: Consolidated Edison - Former Ludlow Street Works	On Federal Street imme	liately west of the
Inspector	: Matt Bruno				PROJECT NUMBER: 446110-04000	MTA tracks and south o	of the Sugar Refinery
Rig Type:	Track Moun	ted Sonic Rig					
	GROUNDV	VATER OBSERVAT	TONS			Location Plan	
Water	DTW	DTW			Weather: Partly cloudy, 40s		
Level	~5' bgs					a a  1	
Date	11-06-2012				Date/Time Start: 11-06-2012/1120	See Site Plan	
Meas	ft bgs -	Top of Casing			Data/Tima Finish: 11-06-2012/1150		
From	Soil cuttings	rop or casing				1	
Sample	Location/	SPT	Rec.	PID	FIELD IDENTIFICATION OF MATERIAL	SCHEMATIC	COMMENTS
Depth	Sample I.D.		(%)	(ppm)			
+2							
+1						-	
0		Vac-tron	NA	0.0	0-12" Wet, black line to medium SAND and sub-angular to sub-round GRAVEL 12.5' Dry/moist_brown fine to coarse SAND and weathered Schist COBBLES/BOULDERS, some fine		
2		Vac-tron	NA NA	0.0	to coarse sub-angular Gravel, trace Metal and Slag		
3		Vac-tron	NA				
4		Vac-tron	NA				
5	SB-11 (5-5.5)			1.5	0-24" Wet, black/dark brown, angular GRAVEL and CINDERS, little Silt	1	
6				1.9	24-36" Wet, black SILT, little angular Cobble, trace Coal fragments		
7		Sonic	60				
8							
9				37	0-24" Wet black soft fine SAND little Silt and sub-angular Gravel trace Plastic fragments slight	1	
11		-		5.7	hydrocarbon odor		
12		Sonic	80	4.2	24-48" Wet, red/brown medium SAND, trace Silt		
13							
14							
15				12.7	0-15" Wet, black/dark brown, sub-angular GRAVEL, little Silt		
16		Sonia	50	15.2	15-50" Wet, black, medium SAND, little sub-angular Gravel, little Silt		
1/		Some	30				
19		-					
20				20.2	0-12" Moist, red/brown, soft, medium SAND, some Silt	1	
21				27.3	12-48" Wet, red/brown, medium dense, SILT, little Mica Schist		
22		Sonic	80				
23							
24				0.0	O C'II Mainton CII TI Incon Contra dana Contra Contra con State Contra	-	
25				0.0	6-48" Dry, red/brown site1, lense of winte/tait inicaceous Sandstone, trace which Schist		
27		Sonic	80	0.0			
28							
29	SB-11 (29.5-30)						
30					End of boring at 30 ft bgs	<u> </u>	
	SAMPLING MET	HOD			Hand cleared to 5 ft bgs; Sonic drilled from 5 to 30 ft bgs		
	A = AUGEP CUTT	INGS					
	C = CORED						
	WH = WEIGHT OF	HAMMER (RODS)					

					PARSONS	BORING/WELL ID	: SB-12
					DRILLING RECORD		Sheet 1 of 1
Contracto	Gree Drill	ling & Testing			PROTECTNAME Constituted Efforts Expression Indians Over a Wester	Location Description:	
Driller:	Greg Rivera				PROJECT NAME: Consolidated Edison - Former Ludlow Street Works	Approx. 25' west and in lin	ne w/ DPW yard
Inspector	Zohar Lavy				PROJECT NUMBER: 446110-04000	concrete retaining wall.	
Rig Type:	Track Moun	ted Sonic Rig					
	GROUNDW	VATER OBSERVAT	TONS	1		Location Plan	
Water	DTW 	DTW			Weather: Overcast, low 60s	-	
Date	11-05-2012				Date/Time Start: 11-05-2012/0950	See Site Plan	
Time	1450					1	
Meas.	ft bgs -	Top of Casing			Date/Time Finish: 11-05-2012/1100	-	
From	Soil cuttings	SPT	Rec	PID	FIELD IDENTIFICATION OF MATERIAL	SCHEMATIC	COMMENTS
Depth	Sample I.D.	511	(%)	(ppm)	FIELD IDENTIFICATION OF MATERIAL	SCHEMATIC	COMMENTS
+2							
+1						-	
0		Vac-tron Vac-tron	NA NA	0.0	0-1.5' Wet, dark brown, fine to medium SAND, some Debris, little Cobble, fine to coarse sub-angular to round Gravel trace Brick and Silt		
2		Vac-tron	NA	0.0	1.5-5' Moist, dark brown, fine to medium SAND, some Cobble, little Brick, trace Silt		
3		Vac-tron	NA				
4		Vac-tron	NA			-	
5					0-14" CONCRETE 14-18" BRICK		
7		Sonic	50	5.4	18-30" Moist, orange/brown fine to medium SAND, some fine to medium sub-angular Gravel		
8							
9				125.0	0.200° M ( 14 march 1 and 1	-	
10				135.0	odor		
11	GD 10 (10 14)	Sonic	100	1977.0	20-50" Moist/wet, orange/grey fine to medium SAND, some fine to medium sub-angular Gravel, trace		
13	SB-12 (12-14)	bonie	100		Cobble, NAPL saturated, hydrocarbon and napthalene odor and staining		
14				721.0	hydrocarbon odor		
15					0-54" Moist, orange SILT and fine SAND, slight hydrocarbon odor		
16					54-60" Moist, orange SILT and fine SAND, little medium Sand, slight hydrocarbon odor		
17		Sonic	100	65.5			
18							
20	-				0-30" Moist, orange/brown SILT and fine SAND, little tan Clay, little fine to medium Sand lenses,	1	
21					hydrocarbon odor		
22		Sonic	50	73.7			
23							
25					0-30" Moist, orange/brown SILT and fine SAND, little tan Clay, little fine to medium Sand lenses,		
26					hydrocarbon odor		
27		Sonic	100	41.6	hydrocarbon odor, sheen		
20					36-52" Moist, orange/brown SILT and fine SAND, little tan Clay, little fine to medium Sand lenses,		
29					hydrocarbon odor		
30				121.0	52-60 Moist, orange medium SAND, signt hydrocarbon odor 0-32" Wet, orange/brown medium to coarse SAND, hydrocarbon odor, and slight staining	-	
31				68.4	32-60" Wet, orange/brown medium to coarse SAND, hydrocarbon odor, trace fine sub-angular to round		
32	-	Sonic	100		Gravel		
33							
34					0.24" Wat arange/brown medium to coarse SAND, hydrogenhan odor, little fine sub angular to round	-	
35					Gravel trace fine sub-angular to round Gravel		
37	SB-12 (36-38)	Sonic	75	22.9	24-36" Weathered white SCHIST, NAPL within fractures		
38							
39	SAMPLING METI	HOD			End of boring at 39 ft bgs		
	SS = SPLIT SPOON				Hand cleared to 5 ft bgs; Sonic drilled from 5 to 39 ft bgs		
	A = AUGER CUTT	INGS					
	C = CORED	HAMMER (BODS)					

					PARSONS	BORING/WELL ID	): SB-13
Contract	A	in a Constinue			DRILLING RECORD		Sheet 1 of 1
Contracto	Grund Drill	ing & Testing			DDO IDOT NAME Consultated Elizary Engine Lealling Const Wester	Location Description:	6 V - al - an DDW
Driller:	Greg Rivera				PROJECT NAME: Consolidated Edison - Former Ludiow Street Works	Approximately 70° north of concrete retaining wall an	of Yonkers DPW d approximately 45'
Inspector	Zohar Lavy				PROJECT NUMBER: 446110-04000	west of Waverly Propertie	es western boundary.
Rig Type:	Track Moun	ted Sonic Rig					
Watan	GROUNDV	ATER OBSERVAT	IONS	r –	Wasthern Barthy alandy 40a	Location Plan	
Level	~22' bgs	DIW			weather: rathy cloudy, 40s	•	
Date	10-26-2012				Date/Time Start: 11-05-2012/1420	See Site Plan	
Time	1450	m 49.1			D - 77 - 71 - 11 05 2012/1505		
Meas. From	ft bgs - Soil cuttings	Top of Casing			Date/Time Finish: 11-05-2012/1505	-	
Sample	Location/	SPT	Rec.	PID	FIELD IDENTIFICATION OF MATERIAL	SCHEMATIC	COMMENTS
Depth	Sample I.D.		(%)	(ppm)			
+2			-				
+1		Vac-tron	NΔ	0.0	0-12" Dry dark brown fine to coarse SAND some Organics (rootlets), little Gravel and Cobble	-	
1		Vac-tron	NA	0.0	12-5' Dry brown/orange fine to coarse SAND and COBBLE, some Brick, little Concrete fragments		
2		Vac-tron	NA				
3		Vac-tron	NA				
4		Vac-tron	NA			-	
5					0-12" Weathered gneissic SCHIST boulder 12-30" Dry dark brown fine to medium SAND and fine to coarse angular to sub-round GRAVEL		
7		Sonic	50	1.3			
8							
9			-			-	
10					Dry, dark brown, fine to medium SAND and fine to coarse angular to sub-round GRAVEL some		
12		Sonic	100	1.7	Showshe bound coopers and organics		
13							
14							
15					0-10" Dry, dark brown, fine to medium SAND and fine to coarse angular to sub-round GRAVEL some		
16		Sonic	100	2.1	gneissic Schist Cobbles and Organics, trace Sift 10-48" SCHIST Boulder		
18		bonne	100	2.1	48-60" Moist, dark brown/black fine to medium SAND, some fine to coarse sub-angular to sub-round		
19					Gravel		
20					0-20" Dry, gray fine to coarse SAND, some sub-angular to sub-round Gravel, little Schist Cobble		
21		Sonia	100	2.2	20-40" CONCRETE 40-60" Moist black fine to medium SAND and BRICK some fine to medium sub-angular Gravel trace		
22		Some	100	2.3	Glass fragments		
24							
25					0-12" Moist, orange/brown fine to medium SAND, little Silt, trace sub-angular to round fine to coarse	1	
26		C	100	1.5	Gravel		
27		Sonic	100	1.5	12-00 Dry, orange/orown medium to coarse SAND, inthe coarse angular Graver, trace Schist Cooble		
28							
30					0-10" Dry, orange/brown medium to coarse SAND, little coarse angular Gravel, trace Schist Cobble		
31			100		10-60" Moist orange/brown fine to medium SAND, some Silt, trace course round gravel		
32		Sonic	100	2.1			
33							
35					0-36": Moist, orange fine SAND and SILT		
36					36-60" Moist, orange/gray fine SAND, slight hydrocarbon odor		
37		Sonic	100	66.2			
38 39							
40				73.7	0-24" Moist, grey/black fine to medium SAND, some angular Gravel, little Schist, trace Silt, slight		
41					hydrocarbon odor		
42				85.6	24-40" Moist/wet, orange fine to medium SAND and weathered gneissic SCHIST COBBLE		
43		Sonic	46		blebs and sheens		Deals an annual at
44		bolite	40				approximate;y 48 ft bgs
46							
47	SB-13 (47-49)						
48	,				End of boring at 40 ft bag	4	
47	SAMPLING METI	IOD			NAPL observed from 47 - 49 ft bgs	<u> </u>	
	SS = SPLIT SPOON				Hand cleared to 5 ft bgs; Sonic drilled from 5 to 49 ft bgs		
	A = AUGER CUTTI	NGS					
	C = CORED WH = WEIGHT OF	HAMMER (RODS)					
l							

					PARSONS	BORING/WELL IE	D: SB-14
Contract	A	l'an e Tradius			DRILLING RECORD		Sheet 1 of 1
Contracto	Aquiter Dril	ling & Testing			BDO IECT NAME, Consolidated Edison, Former Ludlaw Street Works	Location Description:	of Vonkora DDW
Driller:	Jerenney Me	yers			PROJECT NAME: Consolidated Edison - Former Ludiow Street works	concrete retaining wall an	ad approximately 30'
Inspector	: Zohar Lavy				PROJECT NUMBER: 446110-04000	west of Waverly Propertie	es western boundary.
Rig Type:	Track Mour	ted Sonic Rig					
Watar	GROUNDV	VATER OBSERVAT	IONS	1	Woothow Pain 40s 15.20 mph East	Location Plan	
Level	~36' bgs	DIW			weather. Kain, 405, 15-20 mph Last	1	
Date	12-21-2012				Date/Time Start: 12-21 -2012/0925	See Site Plan	
Time	1050	Transform			Det. (Proc. Proj. 12, 21, 2012/1150		
Meas. From	ft bgs - Soil cuttings	Top of Casing			Date/Time Finish: 12-21-2012/1150	-	
Sample	Location/	SPT	Rec.	PID	FIELD IDENTIFICATION OF MATERIAL	SCHEMATIC	COMMENTS
Depth	Sample I.D.		(%)	(ppm)			
+2							
$^{+1}$ 0		Vactron	NA	0.0	0-5' Moist, brown, fine to coarse SAND, some Boulder, little Concrete, little fine to coarse Gravel, trace	•	
1		Vactron	NA		Plastic		
2		Vactron	NA				
3		Vactron	NA				
5		vaction	INA	0.0	0-12" Wet, dark brown fine to medium SAND and COBBLE	•	
6				0.0	12-20" Wet, sub-angular to angular GRAVEL		
7		Sonic	67	0.0	20-40" Moist, brown fine to medium SAND, some Marble (debris), little Silt		
8							
10				0.1	0-30" Wet, brown, fine to medium SAND, some fine to coarse angular to sub-round Gravel, trace Rope	1	
11					and Wood		
12		Sonic	80	0.1	30-48" Dry, brown/grey fine to medium SAND and SHALE (debris)		
13							
14				0.1	0-20" Moist, brown/grey fine to medium SAND and SHALE (debris), some gneissic Schist, little	1	
16					Asphalt		
17		Sonic	33				
18							
20				0.0	Moist, dark grey, fine to medium SAND and angular coarse GRAVEL, some gneissic Schist and	•	
21					Concrete		
22		Sonic	27				
23							
24				0.2	0-12" Moist, dark grey, fine to medium SAND and angular coarse GRAVEL, some gneissic Schist and	•	
26					Concrete		
27		Sonic	83	0.2	12-40" Black gneissic SCHIST		
28				0.2	40-50" Dry, red/brown medium SAND		
30				0.2	0-20" Dry, orange, fine SAND, little sub-round Gravel, trace Silt	•	
31				0.2	20-60" Dry, orange/brown, medium to coarse SAND, little fine to coarse sub-angular to sub-round		
32		Sonic	100		Gravel		
33		-					
35				0.0	0-14" Moist, orange, fine SAND, some Silt, little fine to coarse sub-angular to sub-round Gravel	1	
36					14-42" Moist-wet, orange, fine SAND and SILT, trace Clay		
37		Sonic	100		42-60" Moist-wet, dark orange, fine SAND, little Silt, trace Mica		
38	SB-14 (38-40)						
40				0.2	Moist-wet, dark orange, fine SAND, little Silt, trace Mica		
41							
42		Sonic	80		4		
43		-					Hand Drilling from 44.45
44	GD 14 (45 45)			0.0	0-14" Moist-wet, dark orange, fine SAND, little Silt, trace Mica	•	ft bgs
46	SB-14 (45-47)	Sonic	60		14-33" Moist, orange/brown, fine to medium SAND		Very hard drilling from 47-
47					33-36" SCHIST	•	48 ft bgs
48	SAMPLING MET	HOD			End of boring at 48 ft bgs Hand cleared to 5 ft bgs: Sonic drilled from 5 to 48 ft bgs	<u> </u>	
	SS = SPLIT SPOON	1			There exerce to 5 it bys, bome writed from 5 to 76 it bys		
	A = AUGER CUTT	INGS					
	C = CORED	ULLA CED COORCE					
L	WH = WEIGHT OF	HAMMER (RODS)					

					PARSONS	BORING/WELL I	D: SB-16
					DRILLING RECORD		Sheet 1 of 1
Contracto	or: Aquifer Drill	ing & Testing				Location Description:	
Driller:	Jeremey Me	vers			PROJECT NAME: Consolidated Edison - Former Ludlow Street Works	Approximately 40' north	of Yonkers DPW
Inspector	Zohar Lavy				PROJECT NUMBER: 446110-04000	west of Waverly Propert	ies western boundary.
Rig Type:	Track Moun	ted Sonic Rig					
	GROUNDW	ATER OBSERVAT	IONS			Location Plan	
Water	DTW	DTW			Weather: Partly cloudy, mid 40s, 0-5 mph North		
Level	~30' bgs				Date/Time Start, 12.20.2012/1035	Saa Sita Dlan	
Time	1610				Date/Time Start: 12-20-2012/1035	See Sile Plan	
Meas.	ft bgs -	Top of Casing			Date/Time Finish: 12-20-2012/1710		
From	Soil cuttings					1	•
Sample	Location/	SPT	Rec.	PID	FIELD IDENTIFICATION OF MATERIAL	SCHEMATIC	COMMENTS
Depth ⊥2	Sample I.D.		(%)	(ppm)			
+1							
0		Vactron	NA	0.0	0-12" Moist, dark brown, fine to medium SAND and fine to coarse GRAVEL, some Organics (roots)	1	
1		Vactron	NA	0.0	12"-5' Moist, brown fine to coarse SAND, some Boulder, little Gravel		
2		Vactron	NA				
4		Vactron	NA				
5					0-10" Moist, brown/grey fine to medium SAND, some Concrete	1	
6					10-48" Dry, brown, fine to coarse SAND, some fine to coarse angular to sub-round Gravel, little		
7		Sonic	80	1.1			
<u>8</u> 9							
10					0-24" Dry, brown, fine to coarse SAND, some fine to coarse angular to sub-round Gravel, little Asphalt,		
11					trace Silt and Organics (wood)		
12		Sonic	100	0.8	24-50" Dry, brown, fine to medium SAND and weathered gneissic SCHIST		
13					50-60" Dry, brown, fine to medium SAND and weathered gneissic SCHIST, some Concrete		
14					0-12" Moist, dark brown, fine to medium SAND, little Silt, little round to angular Gravel, trace	-	
16					12-24" SCHIST		
17		Sonic	50	1.4			Very hard drilling from 17-
18							19 ft bgs. Casing advanced to 20 ft bgs
20					0-30" Moist, fine to coarse sub-angular GRAVEL and SCHIST, little fine to coarse brown Sand	-	Ū
20					30-60" BRICK		
22		Sonic	100	5.7			
23							
24					No Recovery	-	
26							Very hard drilling from 25-
27		Sonic	0	NA			advanced to 30 ft bgs
28							
30					Wet BRICK and fine to coarse angular to sub-angular GRAVEL little fine to medium SAND NAPL	-	
31	SB-16 (30-33)				blebs, moderate hydrocarbon odor, sheens		
32		Sonic	80	1406.0			
33							
34			-		0-14"Wet BRICK and fine to coarse angular to sub-angular GPAVEL little fine to medium SAND	4	
36					little Silt, NAPL blebs, slight hydrocarbon odor, sheens		
37		Sonic	60	370.0	14-24" CONCRETE		
38					24-36" Wet, dark brown/black, medium to coarse SAND, slight hydrocarbon odor and staining		
39					0.40" Mojet orange/brown fine to medium SAND, slight hydrocarbon odor	-	
40					40-60" Moist, brown/grey, fine SAND, little Silt		
42		Sonic	100	0.9			
43							
44					0.20" Maiet brown/aray fine SAND some Silt	-	
45 46	SB-16 (45-47)	Sonic	100	0.7	20-24" SCHIST		
47					End of boring at 47 ft bgs	1	
	SAMPLING METI	IOD			NAPL encountered from 30-36 ft bgs		
	SS = SPLIT SPOON	NGS			Hand cleared to 5 ft bgs; Sonic drilled from 5 to 47 ft bgs		
	C = CORED						
	WH = WEIGHT OF	HAMMER (RODS)					

					PARSONS	BORING/WELL I	D: SB-17
					DRILLING RECORD		Sheet 1 of 1
Contracto	or: Aquifer Dril	ing & Testing				Location Description:	
Driller:	Jeremey Me	yers			PROJECT NAME: Consolidated Edison - Former Ludlow Street Works	Approximately 125' north concrete retaining wall a	h of Yonkers DPW nd approximately 45'
Inspector	: Zohar Lavy				PROJECT NUMBER: 446110-04000	west of Waverly Propert	ies western boundary.
Rig Type:	Track Moun	ted Sonic Rig					
	GROUNDV	VATER OBSERVAT	TONS			Location Plan	
Water	DTW 40' bas	DTW	-		Weather: Partly cloudy, mid 40s, 0-5 mph North	-	
Date	12-21-2012				Date/Time Start: 12-21-2012/1250	See Site Plan	
Time	1520					-	
Meas.	ft bgs -	Top of Casing			Date/Time Finish: 12-21-2012/1530		
From	Soil cuttings	CIPT	n	DID		CHENATIC	COMMENTS
Denth	Sample I D	SP1	(%)	(nnm)	FIELD IDENTIFICATION OF MATERIAL	SCHEMATIC	COMMENTS
+2	Sumple not		(70)	(pp)			
+1							
0		Vactron	NA	0.0	0-5' Moist, orange/brown, fine to coarse SAND and BOULDERS, some fine to coarse Gravel, little		
1		Vactron	NA	0.0	Concrete		
3		Vactron	NA				
4		Vactron	NA				
5					0-12" Wet, grey/brown, fine to medium SAND, some angular to sub-round fine to coarse Gravel		
6		Comio	100	0.0	12-20" BOULDER		
/		Some	100	0.0	20-60" Dry, dark brown, fine to coarse SAND and angular to sub-round fine to coarse GRAVEL, little Brick		
9					DICK		
10						-	Very hard drilling from 10-
11							13 ft bgs. Casing advanced to 12 ft bgs
12			-		Casissis SCHIST and CONCRETE trace Wood	-	advanced to 15 it bgs
13					Oneissic SCHIST and CONCRETE, trace wood		
15		Sonic	50	0.0			
16							
17			_			_	Very hard drilling from 18-
18							20 ft bgs. Casing advanced to 20 ft bgs
20					Gneissic SCHIST and CONCRETE, trace Wood	-	
21							
22		Sonic	67	0.0			
23							
24					Gneissic SCHIST and CONCRETE	-	
26							
27		Sonic	33	0.0			
28							
30					0-34" Gneissic SCHIST and CONCRETE	-	
31					34-60" Dry, orange/brown, medium to coarse SAND and fine to medium sub-angular to sub-round		
32		Sonic	100	0.1	Gravel		
33	SB-17 (33-35)						
34					No Recovery	4	
36					No Recovery		
37		Sonic	0	NA			
38							
39					Moist/wat brown/gray madium to coarse SAND, some fine to madium sub-angular to sub-round	-	
40					Gravel, trace Silt		
42		Sonic	20	0.0			
43							
44					0.04" M. '. ( have / man / mark for the construction of the second s	-	
45	SB-17 (45-47)				Gravel, trace Silt		Very hard drilling from 47
47		Sonic	50	0.0	24-30" Moist, brown/grey medium to coarse SAND, some fine to medium sub-angular to sub-round		48 ft bgs
					Gravel, little weathered Schist trace Silt	4	
48		100			End of boring at 48 ft bgs	<u> </u>	
	SAMPLING METI	100			rianu cicarcu to 5 it bgs; Sonic utilieu from 5 to 48 it bgs		
	A = AUGER CUTT	NGS					
	C = CORED						
	WH = WEIGHT OF	HAMMER (RODS)					

					PARSONS	BORING/WELL ID	: MW-2 (alt.)	
					DRILLING RECORD	Sheet 1 of 1		
Contracto	r: Aquifer Dril	ling & Testing				Location Description:		
Driller:	Jeremey Me	yers			PROJECT NAME: Consolidated Edison - Former Ludlow Street Works	Southeast portion of the Yonkers DPW yard		
Inspector	Zonar Lavy	tad Sonia Pig			PROJECT NUMBER: 446110-04000			
Rig Type:	CROUNDY	Hed Soliic Rig	TIONS			L		
XV	GROUNDY	VALEK OBSEKVAL	TIONS		Western Dorth aloude high 40a	Location Plan		
w ater	DIW	D1w			weather: Faily cloudy, high 40s	-		
Devel		6.87			<b>D</b> to <b>(T)</b> so Start, 12 10 2012/1240	C. C. DI.		
Date		12-20-12			Date/11me Start: 12-19-2012/1340	See Site Plan		
Mass		U930			Date (Time Finish, 12.10.2012/1/10)			
From		Top of Casing			Date/Time Finish: 12-19-2012/1410	-		
Sample	Logation/	SDT	Dog	DID	EIELD IDENTIFICATION OF MATERIAL	SCHEMATIC	COMMENTS	
Donth	Semple I D	511	(94)	(nnm)	FIELD IDENTIFICATION OF MATERIAL	SCHEMATIC	COMMENTS	
Depti	Sample I.D.		(70)	(ppm)		++		
+2							Locking Lplug on casing	
+1 0		Vac-tron	NΔ	0.0	0-12" Moist black fine to coarse SAND and ASPHALT	1 12 12 12 1	Elushmount manhole	
1		Vac-tron	NΔ	0.0	12"-5' Moist, older, line to coarse SAND some Brick little Cobble trace Metal trace Silt			
2		Vac-tron	NΔ	0.0	12 5 Worst, dark brown, nie to coarse 5744D, some Brick, nite Cobble, nace metal, nace bri		Bentonite (0-2)	
3		Vac-tron	NΔ				Bentointe (0 2)	
4		Vac-tron	NA				2" PVC riser (0.5-4')	
5		vac tron	1171	NΔ	I aree piece of Metal		2 1 10 1301 (0.0 1)	
6				1171				
7		Sonic	13					
8								
9							2" ID PVC well screen	
10					No Recovery		0.002" slot (4-19')	
11								
12		Sonic	0	NA			#2 silica (2-19')	
13								
14								
15					No Recovery			
16								
17		Sonic	0	NA				
18							PVC end cap 19'	
19								
20					0-30" Wet, dark brown/orange, fine to coarse SAND, little Silt, little fine to coarse sub-angular to sub-			
21					round Gravel			
22		Sonic	100	10.7	30-60" Moist, orange, fine SAND and SILT, some fine sub-angular to sub-round Gravel, trace Clay			
23								
24						_		
25					End of boring at 25' bgs			
	SAMPLING METI	HOD			Hand cleared to 5' bgs, sonic drilled from 5' to 25' bgs.			
	SS = SPLIT SPOON							
	A = AUGER CUTTI	INGS						
	C = CORED	UNDER DODE						
	WH = WEIGHT OF	HAMMER (RODS)						

					PARSONS	BORING/WELL II	D: MW-5 (alt.)	
					DRILLING RECORD		Sheet 1 of 1	
Contracto	or: Aquifer Dril	ling & Testing				Location Description:		
Driller:	Jeremey Me	yers			PROJECT NAME: Consolidated Edison - Former Ludlow Street Works	Northwest portion of the Yonkers DPW va		
Inspector	Zohar Lavy	( 1 C i . D i			PROJECT NUMBER: 446110-04000			
Rig Type:	: I rack Moun	ted Sonic Rig	ION G			I C DI		
Western	GROUNDV	VATER OBSERVAT	IONS	r	W. J. Derthe slavely kick 40s	Location Plan		
w ater	10 ft bgs	DI W	-		weather: Party cloudy, high 40s	_		
Dete	~10 ft bgs	11.12			<b>D</b> R	Can Cita Dian		
Date	12-19-12	12-20-12	-		Date/Time Start: 12-19-12/1120	See Site Plan		
1 ime	1140 6 has	Top of Cosing			Date/Time Finish: 12.10.12/1200			
From	ft bgs -	Top of Casing			Date/Time Finish: 12-19-12/1200	_		
Sample	Soft cuttings	SPT	Dag	DID	EIELD IDENTIFICATION OF MATERIAL	SCHEMATIC	COMMENTS	
Donth	Sample I D	51 1	(9/.)	(nnm)	FIELD IDENTIFICATION OF MATERIAL	SCHEMATIC	COMMENTS	
⊥2	Sample 1.D.		(78)	(իրա)		+		
+2							Locking J-plug on casing	
0		Vac-tron	NA	0.0	0-5' Moist dark brown fine to coarse SAND some Cobble little fine to coarse sub-angular to round	- a - a -	Flushmount manhole	
1		Vac-tron	NA	0.0	Gravel, little Brick, trace Metal			
2		Vac-tron	NA				Bentonite (1-5')	
3		Vac-tron	NA					
4		Vac-tron	NA					
5				0.3	Moist, brown fine to coarse SAND, some sub-angular to round fine to medium Gravel, trace Fabric		2" PVC riser (0.5-7')	
6						- S - S -		
7		Sonic	80					
8								
9							2" ID PVC well screen	
10				2.0	0-36" Wet, orange/brown fine SAND, some Silt, trace Clay		0.002" slot (7-22')	
11					36-48" Wet, orange/brown fine SAND and WOOD, little Silt			
12		Sonic	100	327.0	48-60" Black stained WOOD, strong Cresote odor		#2 silica (5-22')	
13				-				
14			_			_ [3]_8_1		
15					0-38" Moist, orange SILT, some olive Clay, little fine Sand, trace round fine to medium Gravel			
16			100		38-60" Moist, orange/brown medium to coarse SAND	3_8		
17		Sonic	100	2.5				
18						3-8		
20			+		Moint area of the sum and item to access SAND trace first sub-round to round Council	-		
20					Moist, orange/brown medium to coarse SAND, trace fine sub-round to round Gravei		BVC and can 22'	
21		Sonic	100	2.5			r vC ellu cap 22	
22		bolite	100	2.0				
23								
24	-	1			End of boring at 25' bos	-		
25	SAMPLING METI	TOD			Hand cleared to 5' bes, sonic drilled from 5' to 25' bes.		I	
	SS = SPLIT SPOON							
A = AUGER CUTTINGS								
	C = CORED							
	WH = WEIGHT OF	HAMMER (RODS)						

					PARSONS	BORING/WELL II	<b>D: MW-7</b>
Contract	• Aquifer Dril	ling & Testing			DRILLING RECORD	Leasting Descriptions	Sheet 1 of 1
Driller:	Greg Rivera	ing & result			PROJECT NAME: Consolidated Edison - Former Ludlow Street Works	Location Description.	
Inspector	Zohar Lavy				PROJECT NUMBER: 446110-04000	Approx. 58' N of Yonkers wall, 70' W of Wavery Pro-	DPW yard concrete retaining op. Boundary
Rig Type	Track Moun	ted Sonic Rig					
Kig Type.	GROUND	VATER OBSERVAT	IONS			Location Plan	
Water	DTW	DTW			Weather: Overcast, low 60s	Locution 7 min	
Level		38.69'					
Date		11-09-2012/0745			Date/Time Start: 10-26-2012/0810	See Site Plan	
Time Meas.	ft bøs -	Top of Casing			Date/Time Finish: 10-26-2012/0920		
From	Split Spoon	1				1	
Sample	Location/	SPT	Rec.	PID	FIELD IDENTIFICATION OF MATERIAL	SCHEMATIC	COMMENTS
Depth	Sample I.D.		(%)	(ppm)			x x .
+2							Locking J-plug on
0		Vac-tron	NA	0.0	0-6" Moist, dark brown fine to coarse SAND and ORGANICS, some fine to coarse Gravel, trace Silt and		Flush Mount Well
1		Vac-tron	NA		Asphalt		Cover and Concrete
2		Vac-tron	NA	0.0	6"-3' Moist, dark brown fine to coarse SAND and ORGANICS, some Cobble, little fine to coarse Gravel		
3		Vac-tron	NA	0.0	5-5 Moistory brown, medium to the SAND, some the to coarse Gravel, trace Brick		C+ (0.24b
5		v ac-tron	INA	5.6	0-36" Dry, brown, fine to coarse SAND, some sub-angular to round fine to coarse Gravel, trace Wood		Gibur (0-24)
6					and Cobble		
7		Sonic		4.2	36-48" Dry, brown, fine to coarse SAND, some sub-angular to round fine to coarse Gravel, littleWood,		
8					trace Cobble		2-inch ID PVC Riser
9							(0.5-28')
10					0-20" Wet, brown/gray fine to medium SAND, little Silt, trace Wood & Concrete		
12					20-36" Gneiss BOULDER		
13							
14							
15		Sonic	30	20.7			
10							
18							
19							
20							
21		-			0-24" Wet, brown/gray fine to coarse SAND, some fine to coarse angular to sub-angular Gravel, trace Silt and Wood		# 2 Sand (21'-33')
22		Sonic	40	14.7			# 2 bland (21 55)
24							
25							Bentonite Chips (24-26')
26				7.1	0-24" Moist, brown/gray fine to coarse SAND, some fine to coarse angular to sub-angular Gravel, trace Silt and Wood	8-00 Back	
28		Sonic	80		24-36" Dry, black, medium to fine SAND and fine to coarse angular to sub-round GRAVEL, some		
29				11.6	Concrete, trace Coal fragments		
30					36-48" Dry, orange medium to fine SAND, trace angular to sub-angular fine Gravel		
31				5.2	0-30" Moist, orange/brown fine to coarse SAND and angular to round GRAVEL		
32		Sonic	100	11.5	50-00 wet, orange medium to the SAIND, trace Sin		# 2 silica
34		1		<u> </u>			(26-48')
35							
36	MW-7 (36-38)				0-56" Moist, orange fine SAND and SILT, some medium - fine Sand veins transmitting NAPL, striated		
38		Sonic	100	1175.0	56-60" Wet, dark gray, medium to coarse SAND, strong hydrocarbon odor		2-inch ID Well Screen (28-49)
39		bonne	100	11/510			0.02-inch slot PVC
40							
41				209.0	0-60" Wet, brown medium to fine SAND, some orange Silt lenses, some black staining, slight		
42		-		10.5	hydrocarbon odor 60-100" Wet_orange/brown medium to coarse SAND_trace fine round Gravel		
44		1		17.3			
45		Sonic	83				
46							
47		4		<u> </u>			
48	MW-7 (48-50)						2' Sump (48-50)
50			1		No Recovery	1	PVC End Cap (50')
51		Sonic	0	NA			
52						4	
53	SAMPLING MET	HOD			End of boring at 53' bgs		
	SS = SPLIT SPOON	1.0.0			Hard drilling from 10-20 ft bgs. Casing advanced to 20 ft bgs. Drilled through rock from 50 to 53 ft bos. No rock re-	trieved from 50 to 53 ft bes	
	A = AUGER CUTT	INGS			Hand cleared to 5' bgs, sonic drilled from 5' to 53' bgs		
	C = CORED						
L	WH = WEIGHT OF	HAMMER (RODS)					

DRILLING RECORD		Sheet 1 of 1	
C			
Contractor: Aquiter Drilling & Testing Loca	Location Description:		
Driller: Greg Rivera PROJECT NAME: Consolidated Edison - Former Ludlow Street Works On M	MTA/Metro North Proj	perty. Approximately	
Inspector: Matt Bruno PROJECT NUMBER: 446110-04000 Sugar	west of railroad track, 5 gar Refining southern pr	00' south of Domino operty boundary.	
Rig Type: Track Mounted Sonic Rig			
GROUNDWATER OBSERVATIONS Loca	cation Plan		
Water DTW DTW Weather: Partly cloudy, 40s			
Level6' bgs 4.68			
Date         10-18-2012         11-9-12         Date/Time Start:         11-06-2012/1345	See Site Plan		
Time 1430 1322			
Meas.         ft bgs -         Top of Casing         Date/Time Finish: 11-06-2012/1400			
From Soil cuttings			
Sample Location/ SPT Rec. PID FIELD IDENTIFICATION OF MATERIAL	SCHEMATIC	COMMENTS	
Depth Sample I.D. (%) (ppm)			
+2			
		Locking J-plug on casing	
0 Vac-tron NA 0.0 0-12" Dry, gray tine to medium SAND and sub-angular to sub-round GRAVEL		Flushmount manhole	
1 Vac-tron NA 0.0 12 - 3.5 DP, dark brown, nne to coarse SAND, some Cobble, little Gravel, inthe Boulder, trace Brick	4 1	G	
2 Vac-tron NA and one and one of the state o		Grout (0-2)	
5 Vac-tron NA 0.0 S. 5 Moist, dark from the to include 51.6 and 5502524, inter Sit		2" DVC (0.5.4)	
4 vac-iron INA		2 PVC fiser (0.5-4)	
5 0.0 0-24 Moist ust black/adv grav ub angular to ub round COBBLE COP AVEL some Sit and fine to			
7 Sonic 60 Corse Sand hydrocarbon dor			
	S ⊗ <b>—</b> 83 - I		
9 MW-8 (9.5-10)	S <b>⊢</b> SSI	2" ID PVC well screen	
10 3.8 0-12" Wet, soft, black/dark brown SILT, little fine to medium Sand, trace sub-round Gravel		0.002" slot (4-14')	
11 0.0 12-30" Wet, dark brown/black fine to medium SAND, some Silt, little sub-angular Cobble/Gravel			
12 0.0 30-66" Moist, soft, red/brown fine to medium SAND, little Silt, trace Clay		#2 silica (2-14')	
15 Sonic 40		PVC end cap 14'	
16			
17			
19			
20 0-20" Wet, soft. brown/red fine to medium SAND, little Silt			
21 20-36" Dry-moist, brown/red SILT, little fine Sand, orange/tan Silt lenses, trace sub-round Gravel			
22 Sonic 60 0.0			
24 MW-8 (24.5-25)			
25 End of boring at 25' bgs			
SAMPLING METHOD Hand cleared to 5 bgs, sonic drilled from 5 to 25 bgs.			
55 - 5 / L1 5/0 / N			
WEIGHT OF HAMMER (RODS)			

					PARSONS	BORING/WELL IE	): MW-9		
C		ing & Testing			DRILLING RECORD		Sheet 1 of 1		
Contracto	r: Aquiter Drill	ing & Testing			BROJECT NAME: Consolidated Edison - Former Ludiau Street Works	Location Description:			
Driller:	Greg Rivera				PROJECT NAME: Consolidated Edison - Former Ludiow Street works	and approximately 50' sou	th of Domino Sugar		
Inspector	Inspector: Matt Bruno				PROJECT NUMBER: 446110-04000	Refining southern proper	ty boundary.		
Rig Type:	Track Mount	ed Sonic Rig							
	GROUNDW	ATER OBSERVATI	ONS			Location Plan			
Water	DTW	DTW			Weather: Clear, 40s				
Date		3.89 11-9-12			Data/Time Start: 11-07-2012/0845	See Site Plan			
Time		1135				bee bite I han			
Meas.		Top of Casing			Date/Time Finish: 11-07-2012/1005				
From							r		
Sample	Location/	SPT	Rec.	PID	FIELD IDENTIFICATION OF MATERIAL	SCHEMATIC	COMMENTS		
+2	Sample I.D.		(%)	(ppm)					
+1							Locking J-plug on casing		
0		Vac-tron/Sonic	NA	0.0	0-12": Dry, brown/gray fine to medium SAND and sub-angular to sub-round GRAVEL, trace Metal		Flushmount manhole		
1		Vac-tron/Sonic	NA		12"-5' Dry, brown/black fine to coarse SAND and COBBLE, some fine to coarse sub-angular to sub-				
2		Vac-tron/Sonic	NA	0.0	round Gravel 5-5.5' Moist, brown/black fine to coarse SAND and COBBLE, some fine to coarse sub-angular to sub-		Grout (0-2')		
		Vac-tron/Sonic	NA		round Gravel		2" PVC riser (0.5-4)		
5		vie dourbonie			No Recovery				
6									
7		Sonic	0	NA					
8	MW 9 (9 9 5)						2" ID BVC wall careen		
10	MW-7 (7-7.5)				0-12" Wet, dark brown/black GRAVEL, some sub-round Boulders and Cobbles, little fine Sand and		0.002" slot PVC (4-14')		
11					Silt	8 8	-		
12		Sonic	20	3.7			#2 silica (2-14')		
13									
14				0.5	0.12" Wat dark brown black CPAVEL come cub round Poulders and Cabbles little fine Sand and		BVC and can 14		
16				0.5	Silt, trace Metal wire fragment		r vC ella cap 14		
17		Sonic	60	1.6	12-36" Moist, black SILT and fine SAND, little Shell fragments				
18									
19									
20					0-36" Wet, very soft, red/brown fine SAND, some Silt				
22		Sonic	60	0.0					
23									
24									
25				0.0	0-12" Wet, very soft, red/brown SILT, some fine Sand				
20		Sonic	90	0.5	24-36" Moist, red/brown SILT and sub-round GRAVEL				
28				0.0	36-54" Wet, red/tan, medium to coarse SAND, little sub-round Gravel, little Silt				
29									
30				0.0	0-30" Wet, red/tan, medium to coarse SAND, some sub-angular Cobble and Boulder, little sub-round				
31		Sonic	66	0.2	Oravel, inter Sut 30-35" Moist, red/orange, SILT, trace sub-round Gravel				
33		Some	00	0.2	35-40" Wet, red/orange medium SAND, little Silt, trace sub-round Cobble/Gravel				
34									
35	MW-9(35-35.5)				0-12" Wet, red/orange medium SAND, little Silt, trace sub-round Cobble/Gravel	]			
36		C			12-24" Moist, med-dense, red/orange fine SAND, some Silt, trace sub-round Gravel				
37		Sonic	80	0.0	24-50 INDIST, med-dense, red/orange fine SAIND, some Sift, trace sub-angular Gravel 30-48" Dry, red/brown SILT, little white medium Sand lenses				
39					,				
40			•	•	End of boring at 40' bgs	1			
	SAMPLING METH	OD			Hand cleared to 5' bgs, sonic drilled from 5' to 40' bgs				
	SS = SPLIT SPOON	100							
	A = AUGER CUTTI C = CORED	105							
	WH = WEIGHT OF I	AMMER (RODS)							

<b>PARSONS</b> GROUNDWATER SAMPLING RECORD								
	Choon	DIIAIEN						
SITE NAME:	Con Edison (Ludlov	v)						
PROJECT NUMBER:	446110-04000							
Purge Date:	11-26-12		_					
Sampling Date:	11-26-12	11-26-12						
Samplers:	Zohar I	_avy	of		Parson	s / Somerset	, NJ	
SAMPLE ID:	MW-1							
Sampling Method:	Low flow purge (Mor	nsoon Pump)						
ELL PURGING								
Static Water Level (TOC):	14.12							
Depth to Well Bottom (TOC):	20.20							
CALCULATIONS:	Ft. of Water in Well		X (GAL / FT) =		Gallons			
2-inch Casing:	Ft. of Water in Well		x 0.16 =		Gallons			
3-inch Casing:	Ft. of Water in Well		x 0.32 =		Gallons			
4-inch Casing:	Ft. of Water in Well		x 0.64 =		Gallons			
Method:	Low Flow Pump							
AMPLE DESCRIPTION								
Odor :	No Odor							
Other :	Clear							
ELD TESTS								
	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE
Time	0940	0950	0955	1005	1010	1015	1020	1025
Depth To Water (TOC) (ft)	18.90			Belo	w Pump			
Depth To Pump (TOC) (ft)	19.20	19.20	19.20	19.20	19.20	19.20	19.20	19.20
Flow Rate (ml/min)	~250	~100	~100	~100	~100	~100	~100	~100
Volume of Water Purged	~0.5	~0.75	~1	~1.25	~1.5	~1.75	~2	~2.25
pH (s.u.)	7.03	7.00	7.01	7.01	7.02	7.03	7.03	7.03
Conductivity (mS/cm)	2.36	2.68	2.63	2.57	2.54	2.50	2.49	2.48
Turbidity (NTUs)	495	740	548	226	118	54	36.7	12.9
Dissolved Oxygen (mg/L)	13.37	9.48	9.44	9.61	9.70	9.79	10.03	10.03
Temperature (Degrees C)	16.49	16.67	15.66	15.86	16.00	16.03	16.06	16.35
ORP (mV)	89	87	100	46	33	20	19	18
Salinity (%)	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
TDS (g/L)	1.73	1.71	1.68	1.64	1.62	1.60	1.60	1.59
AMPLE ANALYSIS / LABORATO	DRY							
Analyze For:	TCL VOC's , TCL S	VOCs, TAL Met	als, Cyanide					
	-							
	Chemtech							
Shipped Via:								
Shipped Via: Laboratory								
Shipped Via: Laboratory Other Notes:	Sample collected at	1030; purged a	pproximately 2.5	gallons				

	GROUNDWA	TER SAMPLING RE	CORD					
SITE NAME:	Con Edison (Ludlow)							
PROJECT NUMBER:	446110-04000							
Purge Date:	11-26-12							
Sampling Date:	11-26-12							
Samplers:	Zohar Lavy	of	Parsons / Somerset, NJ					
SAMPLE ID:	MW-1							
Sampling Method:	Low flow purge (Monsoon Pu	(am						
	F**.9* (							
WELL PURGING								
Static Water Level (TOC):	14.12							
Depth to Well Bottom (TOC):	20.20							
CALCULATIONS	Ft. of Water in Well	X (GAL / FT) =	Gallons					
2-inch Casing	Ft. of Water in Well	x 0 16 =	Gallons					
3-inch Casing	Ft. of Water in Well	x 0.32 -	Gallons					
4-inch Casing:	Et. of Water in Well	x 0.52 =	Gallons					
4-Inch Casing.		x 0.04 =	Galions					
Method.								
SAMPLE DESCRIPTION								
Odor :	No Odor							
Other :	Clear							
FIELD TESTS								
	SAMPLE							
Time	1030							
Depth To Water (TOC) (ft)	Below Pump							
Depth To Pump (TOC) (ft)	19.20							
Elow Poto (m/min)	19.20							
Volume of Water Durged	~100							
volume of water Purged	~2.50							
pH (s.u.)	7.03							
Conductivity (mS/cm)	2.43							
I urbidity (NTUS)	8.6							
Dissolved Oxygen (mg/L)	10.05							
Temperature (Degrees C)	16.34							
ORP (mV)	17							
Salinity (%)	0.9							
TDS (g/L)	1.59							
SAMPLE ANALYSIS / LABORATO	DRY							
Analyze For:	TCL VOC's , TCL SVOCs, TA	AL Metals, Cyanide						
Shipped Via:	Chemtech							
Laboratory								
Other Notes:	Sample collected at 1030: pu	irged approximately 2.5 gallons	i					

	GROOM		SAWIT LIN	G RECO				
SITE NAME:	Con Edison (Ludlo	w)						
PROJECT NUMBER:	446110-04000							
Purge Date:	11-27-12							
Sampling Date:	11-27-12							
Samplers:	Zohar	Lavy	of		Parson	s / Somerset	, NJ	
SAMPLE ID:	MW-3							
Sampling Method:	Low flow purge (Mo	onsoon Pump)						
ELL PURGING								
Static Water Level (TOC):	16.58							
Depth to Well Bottom (TOC):	29.90							
CALCULATIONS:	Ft. of Water in Wel		X (GAL / FT) =	. <u></u>	Gallons			
2-inch Casing:	Ft. of Water in Wel		x 0.16 =		Gallons			
3-inch Casing:	Ft. of Water in Wel		x 0.32 =		Gallons			
4-inch Casing:	Ft. of Water in Wel		x 0.64 =		Gallons			
Method:	Low Flow Pump							
AMPLE DESCRIPTION								
Odor :	Strong hydrocarbo	n odor						
Other :	Clear. Sheen							
IELD TESTS								
	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE
Time	1430	1435	1440	1445	1450	1455	1500	1505
Depth To Water (TOC) (ft)	17.25	16.82	16.80	16.78	16.79	16.78	16.79	16.81
Depth To Pump (TOC) (ft)	26.00	26.00	26.00	26.00	26.00	26.00	26.00	26.00
Flow Rate (ml/min)	~300	~300	~350	~350	~300	~350	~350	~350
		~1.0	~1.5	~2.25	~3.0	~3.5	~4.25	~5.0
Volume of Water Purged	~0.5							
Volume of Water Purged pH (s.u.)	~0.5	7.21	7.21	7.20	7.20	7.20	7.20	7.19
Volume of Water Purged pH (s.u.) Conductivity (mS/cm)	~0.5 7.22 27.3	7.21	7.21 20.2	7.20 18.5	7.20 15.25	7.20 14.65	7.20 13.31	7.19 13.18
Volume of Water Purged pH (s.u.) Conductivity (mS/cm) Turbidity (NTUs)	~0.5 7.22 27.3 572	7.21 23.7 393	7.21 20.2 114	7.20 18.5 17.9	7.20 15.25 10.5	7.20 14.65 5.7	7.20 13.31 4.2	7.19 13.18 3.1
Volume of Water Purged pH (s.u.) Conductivity (mS/cm) Turbidity (NTUs) Dissolved Oxygen (mg/L)	~0.5 7.22 27.3 572 14.70	7.21 23.7 393 13.25	7.21 20.2 114 12.36	7.20 18.5 17.9 11.63	7.20 15.25 10.5 10.98	7.20 14.65 5.7 10.11	7.20 13.31 4.2 9.86	7.19 13.18 3.1 9.79
Volume of Water Purged pH (s.u.) Conductivity (mS/cm) Turbidity (NTUs) Dissolved Oxygen (mg/L) Temperature (Degrees C)	~0.5 7.22 27.3 572 14.70 13.16	7.21 23.7 393 13.25 11.23	7.21 20.2 114 12.36 10.12	7.20 18.5 17.9 11.63 10.61	7.20 15.25 10.5 10.98 11.90	7.20 14.65 5.7 10.11 12.03	7.20 13.31 4.2 9.86 12.16	7.19 13.18 3.1 9.79 13.80
Volume of Water Purged pH (s.u.) Conductivity (mS/cm) Turbidity (NTUs) Dissolved Oxygen (mg/L) Temperature (Degrees C) ORP (mV)	~0.5 7.22 27.3 572 14.70 13.16 -57	7.21 23.7 393 13.25 11.23 -53	7.21 20.2 114 12.36 10.12 -50	7.20 18.5 17.9 11.63 10.61 -49	7.20 15.25 10.5 10.98 11.90 -49	7.20 14.65 5.7 10.11 12.03 -49	7.20 13.31 4.2 9.86 12.16 -50	7.19 13.18 3.1 9.79 13.80 -50
Volume of Water Purged pH (s.u.) Conductivity (mS/cm) Turbidity (NTUs) Dissolved Oxygen (mg/L) Temperature (Degrees C) ORP (mV) Salinity (%)	~0.5 7.22 27.3 572 14.70 13.16 -57 13.8	7.21 23.7 393 13.25 11.23 -53 11.2	7.21 20.2 114 12.36 10.12 -50 10.5	7.20 18.5 17.9 11.63 10.61 -49 9.4	7.20 15.25 10.5 10.98 11.90 -49 8.1	7.20 14.65 5.7 10.11 12.03 -49 6.9	7.20 13.31 4.2 9.86 12.16 -50 6.5	7.19 13.18 3.1 9.79 13.80 -50 6.0
Volume of Water Purged pH (s.u.) Conductivity (mS/cm) Turbidity (NTUs) Dissolved Oxygen (mg/L) Temperature (Degrees C) ORP (mV) Salinity (%) TDS (g/L)	~0.5 7.22 27.3 572 14.70 13.16 -57 13.8 15.7	7.21 23.7 393 13.25 11.23 -53 11.2 14.1	7.21 20.2 114 12.36 10.12 -50 10.5 12.7	7.20 18.5 17.9 11.63 10.61 -49 9.4 11.6	7.20 15.25 10.5 10.98 11.90 -49 8.1 9.2	7.20 14.65 5.7 10.11 12.03 -49 6.9 8.19	7.20 13.31 4.2 9.86 12.16 -50 6.5 8.07	7.19 13.18 3.1 9.79 13.80 -50 6.0 8.0
Volume of Water Purged pH (s.u.) Conductivity (mS/cm) Turbidity (NTUs) Dissolved Oxygen (mg/L) Temperature (Degrees C) ORP (mV) Salinity (%) TDS (g/L)	~0.5 7.22 27.3 572 14.70 13.16 -57 13.8 15.7	7.21 23.7 393 13.25 11.23 -53 11.2 14.1	7.21 20.2 114 12.36 10.12 -50 10.5 12.7	7.20 18.5 17.9 11.63 10.61 -49 9.4 11.6	7.20 15.25 10.5 10.98 11.90 -49 8.1 9.2	7.20 14.65 5.7 10.11 12.03 -49 6.9 8.19	7.20 13.31 4.2 9.86 12.16 -50 6.5 8.07	7.19 13.18 3.1 9.79 13.80 -50 6.0 8.0
Volume of Water Purged pH (s.u.) Conductivity (mS/cm) Turbidity (NTUs) Dissolved Oxygen (mg/L) Temperature (Degrees C) ORP (mV) Salinity (%) TDS (g/L)	~0.5 7.22 27.3 572 14.70 13.16 -57 13.8 15.7	7.21 23.7 393 13.25 11.23 -53 11.2 14.1	7.21 20.2 114 12.36 10.12 -50 10.5 12.7	7.20 18.5 17.9 11.63 10.61 -49 9.4 11.6	7.20 15.25 10.5 10.98 11.90 -49 8.1 9.2	7.20 14.65 5.7 10.11 12.03 -49 6.9 8.19	7.20 13.31 4.2 9.86 12.16 -50 6.5 8.07	7.19 13.18 3.1 9.79 13.80 -50 6.0 8.0
Volume of Water Purged pH (s.u.) Conductivity (mS/cm) Turbidity (NTUs) Dissolved Oxygen (mg/L) Temperature (Degrees C) ORP (mV) Salinity (%) TDS (g/L) AMPLE ANALYSIS / LABORATO Analyze For:	~0.5 7.22 27.3 572 14.70 13.16 -57 13.8 15.7 PRY	7.21 23.7 393 13.25 11.23 -53 11.2 14.1	7.21 20.2 114 12.36 10.12 -50 10.5 12.7 als, Cyanide	7.20 18.5 17.9 11.63 10.61 -49 9.4 11.6	7.20 15.25 10.5 10.98 11.90 -49 8.1 9.2	7.20 14.65 5.7 10.11 12.03 -49 6.9 8.19	7.20 13.31 4.2 9.86 12.16 -50 6.5 8.07	7.19 13.18 3.1 9.79 13.80 -50 6.0 8.0
Volume of Water Purged pH (s.u.) Conductivity (mS/cm) Turbidity (NTUs) Dissolved Oxygen (mg/L) Temperature (Degrees C) ORP (mV) Salinity (%) TDS (g/L) AMPLE ANALYSIS / LABORATO Analyze For:	~0.5 7.22 27.3 572 14.70 13.16 -57 13.8 15.7 PRY	7.21 23.7 393 13.25 11.23 -53 11.2 14.1	7.21 20.2 114 12.36 10.12 -50 10.5 12.7 als, Cyanide	7.20 18.5 17.9 11.63 10.61 -49 9.4 11.6	7.20 15.25 10.5 10.98 11.90 -49 8.1 9.2	7.20 14.65 5.7 10.11 12.03 -49 6.9 8.19	7.20 13.31 4.2 9.86 12.16 -50 6.5 8.07	7.19 13.18 3.1 9.79 13.80 -50 6.0 8.0
Volume of Water Purged pH (s.u.) Conductivity (mS/cm) Turbidity (NTUS) Dissolved Oxygen (mg/L) Temperature (Degrees C) ORP (mV) Salinity (%) TDS (g/L) AMPLE ANALYSIS / LABORATO Analyze For:	~0.5 7.22 27.3 572 14.70 13.16 -57 13.8 15.7 PRY	7.21 23.7 393 13.25 11.23 -53 11.2 14.1	7.21 20.2 114 12.36 10.12 -50 10.5 12.7 als, Cyanide	7.20 18.5 17.9 11.63 10.61 -49 9.4 11.6	7.20 15.25 10.5 10.98 11.90 -49 8.1 9.2	7.20 14.65 5.7 10.11 12.03 -49 6.9 8.19	7.20 13.31 4.2 9.86 12.16 -50 6.5 8.07	7.19 13.18 3.1 9.79 13.80 -50 6.0 8.0
Volume of Water Purged pH (s.u.) Conductivity (mS/cm) Turbidity (NTUs) Dissolved Oxygen (mg/L) Temperature (Degrees C) ORP (mV) Salinity (%) TDS (g/L) AMPLE ANALYSIS / LABORATO Analyze For:	~0.5 7.22 27.3 572 14.70 13.16 -57 13.8 15.7 TCL VOC's , TCL S Chemtech	7.21 23.7 393 13.25 11.23 -53 11.2 14.1	7.21 20.2 114 12.36 10.12 -50 10.5 12.7 als, Cyanide	7.20 18.5 17.9 11.63 10.61 -49 9.4 11.6	7.20 15.25 10.5 10.98 11.90 -49 8.1 9.2	7.20 14.65 5.7 10.11 12.03 -49 6.9 8.19	7.20 13.31 4.2 9.86 12.16 -50 6.5 8.07	7.19 13.18 3.1 9.79 13.80 -50 6.0 8.0
Volume of Water Purged pH (s.u.) Conductivity (mS/cm) Turbidity (NTUs) Dissolved Oxygen (mg/L) Temperature (Degrees C) ORP (mV) Salinity (%) TDS (g/L) AMPLE ANALYSIS / LABORATO Analyze For: Shipped Via: Laboratory	~0.5 7.22 27.3 572 14.70 13.16 -57 13.8 15.7 TCL VOC's , TCL S Chemtech	7.21 23.7 393 13.25 11.23 -53 11.2 14.1	7.21 20.2 114 12.36 10.12 -50 10.5 12.7 als, Cyanide	7.20 18.5 17.9 11.63 10.61 -49 9.4 11.6	7.20 15.25 10.5 10.98 11.90 -49 8.1 9.2	7.20 14.65 5.7 10.11 12.03 -49 6.9 8.19	7.20 13.31 4.2 9.86 12.16 -50 6.5 8.07	7.19 13.18 3.1 9.79 13.80 -50 6.0 8.0
Volume of Water Purged pH (s.u.) Conductivity (mS/cm) Turbidity (NTUs) Dissolved Oxygen (mg/L) Temperature (Degrees C) ORP (mV) Salinity (%) TDS (g/L) AMPLE ANALYSIS / LABORATO Analyze For: Shipped Via: Laboratory	~0.5 7.22 27.3 572 14.70 13.16 -57 13.8 15.7 TCL VOC's , TCL S Chemtech	7.21 23.7 393 13.25 11.23 -53 11.2 14.1 SVOCs, TAL Met	7.21 20.2 114 12.36 10.12 -50 10.5 12.7 als, Cyanide	7.20 18.5 17.9 11.63 10.61 -49 9.4 11.6	7.20 15.25 10.5 10.98 11.90 -49 8.1 9.2	7.20 14.65 5.7 10.11 12.03 -49 6.9 8.19	7.20 13.31 4.2 9.86 12.16 -50 6.5 8.07	7.19 13.18 3.1 9.79 13.80 -50 6.0 8.0

PARSONS									
GROUNDWATER SAMPLING RECORD									
SITE NAME:	Con Edison (Ludlow)								
PROJECT NUMBER:	446110-04000								
Purge Date:	11-27-12								
Sampling Date:	11-27-12								
Samplers:	Zobar Lavy	of	Parsons / Somerset NJ						
		0							
SAMPLE ID:	MW-3								
Sampling Method:	Low flow purge (Monsoon Pu	mp)							
		.,							
WELL PURGING									
Static Water Level (TOC):	16.58								
Depth to Well Bottom (TOC):	29.90								
CALCULATIONS:	Ft. of Water in Well	X (GAL / FT) =	Gallons						
2-inch Casing:	Ft. of Water in Well	x 0.16 =	Gallons						
3-inch Casing:	Ft. of Water in Well	x 0.32 =	Gallons						
4-inch Casing:	Ft. of Water in Well	x 0.64 =	Gallons						
Method:	Low Flow Pump								
SAMPLE DESCRIPTION									
Odor :	Strong hydrocarbon odor								
Other :	Clear, Sheen								
FIELD TESTS									
	SAMPLE								
Time	1510								
Depth To Water (TOC) (ft)	16.81								
Depth To Pump (TOC) (ft)	26.00								
Flow Rate (ml/min)	~350								
Volume of Water Purged	~5.5								
pH (s.u.)	7.19								
Conductivity (mS/cm)	13.00								
Turbidity (NTUs)	1.1								
Dissolved Oxygen (mg/L)	9.32								
Temperature (Degrees C)	14.18								
ORP (mV)	-50								
Salinity (%)	6.0								
TDS (g/L)	7.91								
SAMPLE ANALYSIS / LABORATO	DRY								
Analyze For:	TCL VOC's, TCL SVOCs, TA	L Metals, Cyanide							
Shipped Via:	Chemtech								
Laboratory									
Other Notes:	Sample collected at 1510; pu	rged approximately 5.5 gallons	; NAPL in purge water						

<b>PARSONS</b> GROUNDWATER SAMPLING RECORD							
SITE NAME:	Con Edison (Ludio	w)					
PROJECT NUMBER:	446110-04000	,					
Purge Date:	11-27-12						
Sampling Date:	11-27-12	_					
Samplers:	Zohar	Lavy	of		Parso	ons / Somerset, N	IJ
SAMPLE ID:	MW-4						
Sampling Method:	Low flow purge (Mo	onsoon Pump)					
WELL PURGING							
Static Water Level (TOC):	14.30						
Depth to Well Bottom (TOC):	18.35	-					
CALCULATIONS:	Ft. of Water in Wel	- 	X (GAL / FT) =		Gallons		
2-inch Casing:	Ft. of Water in Wel	I	x 0.16 =		Gallons		
3-inch Casing:	Ft. of Water in Wel	I	x 0.32 =		Gallons		
4-inch Casing:	Ft. of Water in Wel		x 0.64 =		Gallons		
Method:	Low Flow Pump		_				
SAMPLE DESCRIPTION							
Odor :	No odor						
Other :	Verv turbid						
FIELD TESTS							
	PURGE	PURGE	PURGE	PURGE	PURGE	SAMPLE	
Time	1120	1125	1130	1140	1145	1150	
Depth To Water (TOC) (ft)	16.22	Below Pump	Dry	Below Pump	Dry	Below Pump	
Depth To Pump (TOC) (ft)	17.35	17.35	17.35	17.35	17.35	17.35	
Flow Rate (ml/min)	~250	~350	NA	~100	NA	~100	
Volume of Water Purged	~0.25	~0.75	NA	~1.0	NA	~1.25	
pH (s.u.)	6.42	7.37	NA	7.85	NA	7.56	
Conductivity (mS/cm)	2.61	2.07	NA	1.87	NA	1.62	
Turbidity (NTUs)	Error	Error	NA	Error	NA	Error	
Dissolved Oxygen (mg/L)	23.4	24.73	NA	24.33	NA	24.11	
Temperature (Degrees C)	12.13	11.88	NA	10.67	NA	11.36	
ORP (mV)	163	158	NA	170	NA	152	
Salinity (%)	0.8	0.6	NA	0.6	NA	0.6	
TDS (g/L)	1.62	1.32	NA	1.2	NA	1.18	
SAMPLE ANALYSIS / LABORATO	RY						
Analyze For:	TCL VOC's, TCL S	SVOCs, TAL Meta	lls, Cyanide				
		,	.,.,.				
Chinned Vice	Chamtach						
	Chemiech						
Laboratory							
Other Notes:	Sample collected a	t 1150; purged ap	proximately 1.2	5 gallons; well i	ran dry two t	imes prior to sam	ipling

	GROOM		SAWFLIN	G RECU				
SITE NAME:	Con Edison (Ludio	ow)						
PROJECT NUMBER:	446110-04000							
Purge Date:	11-27-12					_		
Sampling Date:	11-27-12							
Samplers:	Zohar	of		Parson	s / Somerset	, NJ		
SAMPLE ID:	MW-7							
Sampling Method:	Low flow purge (Mo							
WELL PURGING								<u> </u>
Static Water Level (TOC):	39.32							
Depth to Well Bottom (TOC):	51.77	_						
CALCULATIONS:	Ft. of Water in Wel	I	X (GAL / FT) =		Gallons			
2-inch Casing:	Ft. of Water in Wel		x 0.16 =		Gallons			
3-inch Casing:	Ft. of Water in Wel	1	x 0.32 =		Gallons			
4-inch Casing:	Ft. of Water in Wel		x 0.64 =		Gallons			
Method:	Low Flow Pump							<u> </u>
SAMPLE DESCRIPTION								
Odor :	Slight hydrocarbon	odor						
Other :	Clear. Sheen							<u> </u>
FIELD TESTS								<u> </u>
	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	SAMPLE
Time	1240	1245	1250	1255	1300	1305	1310	1315
Depth To Water (TOC) (ft)	39.45	39.45	39.46	39.47	39.45	39.46	39.45	39.45
Depth To Pump (TOC) (ft)	48.77	48.77	48.77	48.77	48.77	48.77	48.77	48.77
Flow Rate (ml/min)	~350	~300	~300	~300	~250	~300	~300	~350
Volume of Water Purged	~0.5	~1.0	~1.5	~2.0	~2.5	~3.0	~3.5	~4.0
pH (s.u.)	7.21	7.18	7.17	7.16	7.16	7.17	7.17	7.18
Conductivity (mS/cm)	3.85	3.84	3.84	3.82	3.81	3.81	3.80	3.80
Turbidity (NTUs)	482	303	212	165	92.5	33.2	20.6	17.5
Dissolved Oxygen (mg/L)	11.73	10.27	9.31	8.08	7.34	7.17	7.04	6.98
Temperature (Degrees C)	14.49	14.61	14.52	14.55	14.63	14.59	14.47	14.51
ORP (mV)	0	-1	-3	-4	-4	-4	-4	-4
Salinity (%)	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
TDS (g/L)	2.46	2.45	2.45	2.44	2.44	2.43	2.43	2.42
	RY							
Analyze For			tals Cvanide					
Analyze For.	102 1003, 1020	57003, TAE MC	dis, Oyanide					<u> </u>
Shinned Via:	Chemtech							
l aboratory	Unonition							
Laboratory								
Other Notes	Sample collected a	t 1315: nurged	annroximately 4.0	gallons				
Other Notes.	oumpio collected a	a ioio, puigeu a	APPIONINALEIY 4.0	guiloria				<u> </u>
	GROUN		SAMPLIN	G RECO	RD			
-----------------------------	----------------------	------------------	------------------	-----------	---------	--------------	-------	-------
SITE NAME:	Con Edison (Ludlo	w)						
PROJECT NUMBER:	446110-04000							
Purge Date:	11-26-12		_					
Sampling Date:	11-26-12							
Samplers:	Zohar	Lavy	of		Parson	s / Somerset	, NJ	
SAMPLE ID:	MW-8 and MW-18	(duplicate)						
Sampling Method:	Low flow purge (Mo	onsoon Pump)						
VELL PURGING								
Static Water Level (TOC):	5.27							
Depth to Well Bottom (TOC):	13.15							
CALCULATIONS:	Ft. of Water in Well		X (GAL / FT) =		Gallons			
2-inch Casing:	Ft. of Water in Well		x 0.16 =		Gallons			
3-inch Casing:	Ft. of Water in Well		x 0.32 =		Gallons			
4-inch Casing:	Ft. of Water in Well		x 0.64 =		Gallons			
Method:	Low Flow Pump							
SAMPLE DESCRIPTION								
Odor :	No Odor							
Other :	Clear							
FIELD TESTS								-
	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE
Time	1205	1215	1220	1225	1230	1235	1240	1245
Depth To Water (TOC) (ft)	5.38	5.45	5.45	5.45	5.45	5.46	5.46	5.47
Depth To Pump (TOC) (ft)	12.15	12.15	12.15	12.15	12.15	12.15	12.15	12.15
Flow Rate (ml/min)	~150	~150	~250	~200	~250	~250	~250	~250
Volume of Water Purged	~0.25	~0.5	~1.0	~1.25	~1.75	~2.25	~2.5	~2.75
pH (s.u.)	7.05	7.00	6.96	6.98	6.98	6.98	6.99	6.99
Conductivity (mS/cm)	4.84	4.70	4.60	4.59	4.59	4.59	4.59	4.59
Turbidity (NTUs)	Error	Error	Error	769	503	411	282	146
Dissolved Oxygen (mg/L)	11.69	10.54	9.15	8.82	8.73	8.65	8.48	8.04
Temperature (Degrees C)	14.59	16.04	17.05	17.06	17.03	17.14	17.29	17.46
ORP (mV)	176	147	119	110	107	102	95	89
Salinity (%)	1.8	1.8	1.7	1.7	1.7	1.7	1.7	1.7
TDS (g/L)	3.11	2.99	2.94	2.94	2.94	2.93	2.94	2.94
	RY							
Analyze For		WOCS TAL Mat	als Cvanide					
	102 0003,1023		ais, Cyaniuc					
Shipped Via	Chemtech							
Laboratory	Chomeon							
Laboratory								
Other Notes:	Sample collected a	t 1320; purged a	pproximately 6.2	5 gallons				

	GROUN		SAMPLIN		חס		
	GROOF			<u> S KLCO</u>			
SITE NAME:	Con Edison (Ludio	ow)					
PROJECT NUMBER:	446110-04000						
Purge Date:	11-26-12		_				
Sampling Date:	11-26-12		- (		Damas		N.I.
Samplers:	Zohar	Lavy	of		Parson	is / Somersei	, NJ
SAMPLE ID:	MW-8 and MW-18	(duplicate)					
Sampling Method:	Low flow purge (M	onsoon Pump)					
jj							
ELL PURGING							
Static Water Level (TOC):	5.27	_					
Depth to Well Bottom (TOC):	13.15	_					
CALCULATIONS:	Ft. of Water in Wel	l	X (GAL / FT) =		Gallons		
2-inch Casing:	Ft. of Water in Wel	I	x 0.16 =		Gallons		
3-inch Casing:	Ft. of Water in Wel	I	x 0.32 =		Gallons		
4-inch Casing:	Ft. of Water in Wel	I	x 0.64 =		Gallons		
Method:	Low Flow Pump						
AMPLE DESCRIPTION	No. O de a						
Odor :	No Odor						
Other :	Clear						
IELD IESIS	DUDCE	DUDCE	DUDCE				
Time	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	SAMPLE
	1230 E 47	1255 E 47	1300	F 49	1310 E 47	1313 E 47	1320 E 47
Depth To Water (TOC) (It)	12.15	5.47 12.15	0.7 12.15	0.40 10.15	0.47 10.15	0.47 10.15	5.47 12.15
Elow Pate (ml/min)	250	12.15	250	200	200	200	250
Volume of Water Burged	~230	~230	~350	~200	~300	~300	~230
	~3.25	~3.75	~4.5	~4.75	~0.20	~0.75	~0.25
pri (s.u.)	0.99	0.99	0.99	0.99	0.99	0.99	0.99
Turbidity (NTLIe)	4.00	4.00	4.02 98.0	4.03	4.04 50 /	4.01	35.8
Dissolved Oxygen (mg/L)	7.83	7.51	7 31	7.28	7 10	7 12	7.01
Temperature (Degrees C)	17.60	17.87	17.83	17.86	17.88	17.80	17.01
	96	95	17.03 QA	17.00 85	17.00	11.03	82
ONE (IIIV) Solipity (%)	1 7	1 7	1 7	1 7	17	17	17
	2 05	2 0/	2.05	2 0/	2.0/	2.0/	2.94
103 (g/L)	2.35	2.34	2.30	2.34	2.34	2.34	2.37
AMPLE ANALYSIS / LABORATO	RY						
Analvze For:	TCL VOC's . TCL S	SVOCs, TAL Met	als, Cyanide				
Shipped Via:	Chemtech						
Laboratory							
Other Notes:	Sample collected a	t 1320; purged a	pproximately 6.2	5 gallons			
				0			

	GROUN	DWATER	SAMPLIN	G RECO	RD			
SITE NAME:	Con Edison (Ludlov	v)						
PROJECT NUMBER:	446110-04000	,						
Purge Date:	11-26-12							
Sampling Date:	11-26-12							
Samplers:	Zohar I	_avy	of		Parson	s / Somerset	, NJ	
SAMPLE ID:	MW-9, MW-9MS, M	W-9MSD						
Sampling Method:	Low flow purge (Mo	nsoon Pump)						
WELL PURGING								
Static Water Level (TOC):	4.45							
Depth to Well Bottom (TOC):	12.15							
CALCULATIONS:	Ft. of Water in Well		X (GAL / FT) =		Gallons			
2-inch Casing:	Ft. of Water in Well		x 0.16 =		Gallons			
3-inch Casing:	Ft. of Water in Well		x 0.32 =		Gallons			
4-inch Casing:	Ft. of Water in Well		x 0.64 =		Gallons			
Method:	Low Flow Pump				_			
SAMPLE DESCRIPTION								
Odor :	Slight hydrocarbon	odor						
Other :	Clear							
FIELD TESTS								
	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	SAMPLE
Time	1410	1415	1420	1425	1430	1435	1440	1445
Depth To Water (TOC) (ft)	4.49	4.49	4.49	4.52	4.51	4.51	4.51	4.52
Depth To Pump (TOC) (ft)	11.15	11.15	11.15	11.15	11.15	11.15	11.15	11.15
Flow Rate (ml/min)	~350	~350	~350	~350	~350	~300	~300	~350
Volume of Water Purged	~1.0	~1.5	~2.0	~2.5	~3.0	~3.5	~4.0	~4.5
(.u.s) Ha	7.29	7.29	7.29	7.28	7.29	7.27	7.27	7.26
Conductivity (mS/cm)	9.59	9.62	9.74	9.83	9.90	9.88	9.83	9.81
Turbidity (NTUs)	32.7	8.8	0	0	0	0	0	0
Dissolved Oxygen (mg/L)	9.56	7.45	6.6	6.24	6.01	5.89	5.81	5.76
Temperature (Degrees C)	15.07	14.92	14.89	14.90	14.88	14.72	14.71	14.74
ORP (mV)	-133	-133	-133	-133	-134	-134	-133	-134
Salinity (%)	4.2	4.3	4.3	4.4	4.3	4.4	4.3	4.3
TDS (g/L)	6.04	6.08	6.15	6.19	6.23	6.22	6.21	6.21
	DV							
Analyze For			als Cvanide					
Analyze i ol.	102 0003,1023	VOCS, TAL MEL	ais, Cyanide					
Shinned Via	Chemtech							
l aboratory	Onomidon							
Laboratory								
Other Notes	Sample collected at	1445: purged a	noroximately 4 5	gallons				<u> </u>
Other Notes.	Campic collected at	, 1730, pulyed a	PPIONINALEIY 4.5	galloria				

	GROUN				RD		
SITE NAME:	Con Edison (Ludio	ow)					
PROJECT NUMBER:	446110-04000						
Purge Date:	4-5-13						
Sampling Date:	4-8-13						
Samplers:	Zohar	Lavy	of		Parsor	ns / Somerset,	NJ
SAMPLE ID:	MW-1						
Sampling Method:	Low flow purge (M	onsoon Pump)					
Static Water Level (TOC):	13.36						
Depth to Well Bottom (TOC)	20.30	•					
CALCULATIONS	Ft. of Water in Wel		X (GAL / FT)	=	Gallons		
2-inch Casing:	Ft. of Water in Wel		x 0.16 =		Gallons		
3-inch Casing	Ft. of Water in Wel		x 0.32 =		Gallons		
4-inch Casing	Ft. of Water in Wel	I	x 0.64 =		Gallons		
Method:	Low Flow Pump				Canono		
SAMPLE DESCRIPTION							
Odor :	No odor						
Other :	Very turbid						
FIELD TESTS							
	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	SAMPLE
Time	1210	1215	1220	1225	1240	1245	1300
Depth To Water (TOC) (ft)	16.25	17.22	17.79	Below Pump	17.4	Dry	17.8
Depth To Pump (TOC) (ft)	19.3	19.3	19.3	19.3	19.3	19.3	19.3
Flow Rate (ml/min)	~150	~100	~100	NA	~100	NA	~100
Volume of Water Purged	~0.5	~0.75	~1	~1	~1.5	~1.5	~1.75
pH (s.u.)	7.17	7.09	7.09	NA	7.23	NA	7.18
Conductivity (mS/cm)	1.98	1.96	1.98	NA	1.89	NA	1.88
Turbidity (NTUs)	166	122	125	NA	130	NA	122
Dissolved Oxygen (mg/L)	9.15	3.36	3.27	NA	5.03	NA	3.44
Temperature (Degrees C)	14.46	15.22	14.97	NA	15.6	NA	15.84
ORP (mV)	77	88	89	89	45	NA	41
Salinity (%)	1.0	1.0	1.0	NA	1.0	NA	1.0
TDS (g/L)	1.27	1.26	1.27	NA	1.21	NA	1.20
	OBY						
			otolo Overida -				
Analyze For:	TUL VOU'S, TUL S	SVUUS, TAL M	elais, Cyanide, c	ussolved Metals	5		
							<u> </u>
Oblight and M	Chamte -h						
Shipped Via:	Chemtech						
Shipped via.							
Laboratory							
Laboratory	0.1			75 11		1.0	

I

	GROUN	<b>PAF</b> DWATER	<b>RSONS</b> SAMPLIN	IG RECO	ORD		
SITE NAME:	Con Edison (Ludlo	w)					
PROJECT NUMBER:	446110-04000						
Purge Date:	4-8-13						
Sampling Date:	4-8-13 Zeber Level D	annia Miller	-		Daraan		4 NI I
Samplers:	Zonar Lavy, D	ennis Miller	0		Parson	is / Somerse	i, NJ
SAMPLE ID:	MW-2						
Sampling Method:	Low flow purge (Mo	onsoon Pump)					
VELL PURGING							
Static Water Level (TOC):	10.95						
Depth to Well Bottom (TOC):	19.30						
CALCULATIONS:	Ft. of Water in Well		X (GAL / FT)	=	Gallons		
2-inch Casing:	Ft. of Water in Wel		x 0.16 =		Gallons		
3-inch Casing:	Ft. of Water in Well		x 0.32 =		Gallons		
4-inch Casing:	Ft. of Water in Well		x 0.64 =		Gallons		
Method:	Low Flow Pump						
	No Odor						
Other :	Clear						
	Clear						
	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	SAMPLE
Time	0752	0757	0802	0807	0812	0817	0822
Depth To Water (TOC) (ft)	11.50	11.87	12.15	12.40	12.45	12.30	12.35
Depth To Pump (TOC) (ft)	15.0	15.0	15.0	15.0	15.0	15.0	15.0
Flow Rate (ml/min)	100	100	200	250	250	250	250
Volume of Water Purged	0.125	0.25	0.375	0.5	0.75	1.0	1.25
pH (s.u.)	5.61	5.79	5.92	5.96	6.0	6.04	6.06
Conductivity (mS/cm)	Error	Error	Error	Error	Error	Error	Error
Turbidity (NTUs)	162	34.2	12.0	3.4	0.0	0.0	0.0
Dissolved Oxygen (mg/L)	2.96	2.45	2.06	1.66	1.44	1.34	1.24
Temperature (Degrees C)	10.02	10.05	10.10	10.39	10.64	10.62	10.78
ORP (mV)	110	60	40	23	8	-2	-11
Salinity (%)	Error	Error	Error	Error	Error	Error	Error
TDS (g/L)	Error	Error	Error	Error	Error	Error	Error
			*	•	•		
SAMPLE ANALYSIS / LABORAT	ORY						
Analyze For:	TCL VOC's, TCL S	SVOCs, TAL M	etals, Cyanide				
Chinned Mar	Chamtach						
	Chemiech						
Laboratory							
	Comple llt	+ 0000 I	annual in the t	OF mallers			

	GROUN	<b>PAF</b> DWATER	<b>RSONS</b> SAMPLIN	G RECO	ORD		
	Con Edison (Ludio	w)					
PROJECT NUMBER:	446110-04000						
Purge Date:	4-8-13						
Sampling Date:	4-8-13 Zober Lovar, D	onnia Millor	of		Doroon	a / Samaraa	+ NI I
Samplers.	Zonar Lavy, D		0		Faison	s/ Somerse	I, NJ
	MW-3 and duplicate						
Sampling Method:	Low flow purge (Mo	nsoon Pump)					
j	puige (int	incoon r amp/					
VELL PURGING							
Static Water Level (TOC):	16.40						
Depth to Well Bottom (TOC):	29.95						
CALCULATIONS:	Ft. of Water in Well		X (GAL / FT) :	=	Gallons		
2-inch Casing:	Ft. of Water in Wel		x 0.16 =		Gallons		
3-inch Casing:	Ft. of Water in Well		x 0.32 =		Gallons		
4-inch Casing:	Ft. of Water in Well		x 0.64 =		Gallons		
Method:	Low Flow Pump						
SAMPLE DESCRIPTION							
	Strong hydrocarbo	odor					
Other :	Clear Sheen NAP	I Blebs					
IELD TESTS	,,,,						
	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	SAMPLE
Time	0924	0929	0934	0939	0944	0949	0954
Depth To Water (TOC) (ft)	17.05	16.95	16.92	16.90	16.89	16.91	16.90
Depth To Pump (TOC) (ft)	25.00	25.00	25.00	25.00	25.00	25.00	25.00
Flow Rate (ml/min)	250	250	250	250	250	250	250
Volume of Water Purged	0.25	0.5	1.0	1.25	1.5	1.75	2.0
pH (s.u.)	6.73	6.9	6.95	6.96	6.97	6.96	6.92
Conductivity (mS/cm)	86	46.9	37.1	33.7	31.6	28.6	30.7
Turbidity (NTUs)	105	46.8	38.3	37.9	30.0	31.1	32.2
Dissolved Oxygen (mg/L)	7.94	8.24	7.37	6.66	5.98	5.60	5.44
Temperature (Degrees C)	14.20	14.90	14.96	15.01	15.02	14.72	14.49
ORP (mV)	-26	-26	-31	-30	-31	-28	-26
Salinity (%)	57.2	29.1	22.9	20.8	18.1	17.6	16.9
TDS (g/L)	49.1	27.5	22.3	20.5	18.3	17.8	17.1
				•	•		
			atala Overstela				
Analyze For:	TCL VOC'S, TCL S	SVOCS, TAL M	etals, Cyanide				
Shipped Via:	Chemtech						
Laboratorv							
Euboratory							
Other Notes	Sample collected a	t 0954; puraed	approximately 2	gallons: NAF	L in purge wa	ter	

SITE NAME:	Con Edison (Ludio	w)				
PROJECT NUMBER:	446110-04000					
Purge Date:	4-8-13					
Sampling Date:	4-8-13					
Samplers:	Zohar Lavy, Dennis	s Miller	of		Parso	ons / Somerset, NJ
SAMPLE ID:	MW-4					
Sampling Method:	Low flow purge (Me	onsoon Pump)				
WELL PURGING						
Static Water Level (TOC):	14.30					
Depth to Well Bottom (TOC):	18.35					
CALCULATIONS:	Ft. of Water in Wel	l	X (GAL / FT) =		Gallons	
2-inch Casing:	Ft. of Water in Wel		x 0.16 =		Gallons	
3-inch Casing:	Ft. of Water in Wel		x 0.32 =		Gallons	
4-inch Casing:	Ft. of Water in Wel		x 0.64 =		Gallons	
Method:	Low Flow Pump				-	
SAMPLE DESCRIPTION	N					
Odor :	No odor					
	very turbid					
IELD TESTS	DUDCE		DUDCE			
Timo	PURGE	PURGE 0755		PURGE 0910	PURGE 0915	SAIVIPLE 0840
Depth To Water (TOC) (ft)	16.4	0755	0800	0010 Drv	0015 Drv	0040 Rolow Rump
Depth To Pump (TOC) (ft)	17.4	17.4	17.4	17.4	17 /	
Elow Rate (ml/min)	~100	~100	~100	~100	~100	~100
Volume of Water Purged	~100	~100 NA	~100 NA		~100 ΝΔ	~100
nH (s.u.)	8.12	NA	NA	NΔ	ΝA	8.05
Conductivity (mS/cm)	<u> </u>	NΔ	NA	NA	ΝΔ	4.86
	Error	NΔ	ΝΔ	NΔ	ΝΔ	Frror
Dissolved Oxygen (mg/L)	13.58	NA	NA	NA	NA	9.87
Temperature (Degrees C)	11.06	NΔ	NA	NA	ΝΔ	10.67
ORP (m\/)	4 48	NΔ	NA	NA	ΝΔ	169
Salinity (%)	26	NΔ	NA	NA	ΝΔ	26
	3 14	NΔ	NA	NA	ΝΔ	3.12
103 (g/L)	5.14	INA	INA	INA	INA.	5.12
SAMPLE ANALYSIS / LABORATO	DRY					
Analyze For:	TCL VOC's, TCL S	SVOCs, TAL M	etals, Cyanide, dis	solved Meta	ls	
		,	, , , , <del>.</del> .			
Okine d Mir	Chamtest					
Snipped via:	Chemiech					

	GROUN	<b>PAF</b> DWATER	SAMPLIN	IG RECO	ORD			
SITE NAME:	Con Edison (Ludlo)	M)						
	446110-04000	w)						
Purge Date:	4-5-13							
Sampling Date:	4-5-13		_					
Samplers:	Zobar I	awy	of		Parson	s / Somerse	t N.I	
Campiolo					1 dioon		, 110	
SAMPLE ID:	MW-5, MW-5MS, M	W-5 MSD						
Sampling Method:	Low flow purge (Mo	nsoon Pump)						
jj	p.g. (	······································						
ELL PURGING								
Static Water Level (TOC):	12.05							
Depth to Well Bottom (TOC):	21.30							
CALCULATIONS:	Ft. of Water in Well		X (GAL / FT)	-	Gallons			
2-inch Casing:	Ft. of Water in Wel		x 0.16 =		Gallons			
3-inch Casing:	Ft. of Water in Well		x 0.32 =		Gallons			
4-inch Casing:	Ft. of Water in Well		x 0.64 =		Gallons			
Method:	Low Flow Pump				-			
Other : FIELD TESTS	Clear							
	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	SAMPLE
Time	1335	1340	1345	1350	1355	1400	1405	1410
Depth To Water (TOC) (ft)	12.7	12.73	12.72	12.72	12.75	12.73	12.72	12.73
Depth To Pump (TOC) (ft)	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3
Flow Rate (ml/min)	~300	~350	~350	~350	~350	~350	~350	~350
Volume of Water Purged	~0.75	~1.5	~2.25	~3.0	~3.75	~3.5	~5.0	~5.5
pH (s.u.)	6.91	6.94	6.98	6.98	6.98	6.99	6.99	6.99
Conductivity (mS/cm)	Error	Error	Error	Error	Error	Error	Error	Error
Turbidity (NTUs)	117	165	125	102	90.1	62.5	51.3	32.6
Dissolved Oxygen (mg/L)	5.29	1.53	0.99	0.87	0.82	0.77	0.75	0.73
Temperature (Degrees C)	13.93	13.65	13.71	13.72	13.75	13.78	13.74	13.76
ORP (mV)	-40	-49	-60	-61	-62	-64	-65	-66
Salinity (%)	Error	Error	Error	Error	Error	Error	Error	Error
TDS (g/L)	Error	Error	Error	Error	Error	Error	Error	Error
	ORY							
Analyze For:	TCL VOC's, TCL S	VOCs, TAL Me	etals, Cyanide					
	Ob empty -1							
Shipped Via:	Chemtech							
Laboratory								
	Comple U (- )	1110.	annual des stats -	E colle : -				

	GROUN	<b>PAF</b> DWATER	<b>SONS</b>	G RECC	ORD			
SITE NAME:	Con Edison (Ludla	A()						
	446110-04000	w)						
Purge Date:	4-8-13							
Sampling Date:	4-8-13							
Samplers:	Zohar Lavy, D	ennis Miller	of		Parson	s / Somerse	t N.I	
					1 010011		.,	
SAMPLE ID:	MW-7							
Sampling Method:	Low flow purge (Mo	nsoon Pump)						
	. <u> </u>							
ELL PURGING								
Static Water Level (TOC):	34.50							
Depth to Well Bottom (TOC):	51.00							
CALCULATIONS:	Ft. of Water in Well		X (GAL / FT) =	-	Gallons			
2-inch Casing:	Ft. of Water in Wel		x 0.16 =		Gallons			
3-inch Casing:	Ft. of Water in Well		x 0.32 =		Gallons			
4-inch Casing:	Ft. of Water in Well		x 0.64 =		Gallons			
Method:	Low Flow Pump							
SAMPLE DESCRIPTION Odor : Other :	Strong hydrocarbon Clear, Sheen, NAPI	odor _ blebs						
FIELD TESTS		5115.05	2112.05					
The	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE
	1112	1117	1122	1127	1132	1137	1142	1147
Depth To Water (TOC) (It)	36.51	37.00	39.05	39.00	30.50	30.20	30.00	37.90
Elow Rate (ml/min)	40.00	500	500	500	500	500	500	500
Volume of Water Purged	0.75	1.5	2 25	3.0	3 75	4.5	5 25	60
nH (s u )	6.94	7.02	7.03	7.04	7.04	7.08	7.09	7 10
Conductivity (mS/cm)	23.7	18.3	16.6	15.4	15.1	12.3	11.00	11.6
Turbidity (NTUs)	96.9	61.4	52.0	55.1	58.5	78.0	125	178
Dissolved Oxygen (mg/L)	1.34	0.92	0.78	0.69	0.68	0.67	0.66	0.65
Temperature (Degrees C)	16.05	16.14	16.11	16.34	16.37	16.81	16.90	17.10
ORP (mV)	-14	-17	-19	-21	-24	-27	-29	-32
Salinity (%)	13.2	10.7	9.6	8.9	8.6	8.0	7.1	6.5
TDS (g/L)	13.6	11.2	10.2	9.5	9.2	8.9	8.2	7.8
	· · · ·		-		•	•	*	•
AMPLE ANALYSIS / LABORAT	ORY							
Analyze For:	TCL VOC's, TCL S	VOCs, TAL M	etals, Cyanide					
Shipped Via:	Chemtech							
Laboratory								
	0						007	

	GROUN	<b>PAF</b> DWATER	SAMPLIN	IG RECO	ORD			
SITE NAME:	Con Edison (Ludlo	ow)						
PROJECT NUMBER:	446110-04000							<u> </u>
Purge Date:	4-8-13		_					
Sampling Date:	4-8-13					1.0		
Samplers:	Zohar	Lavy	of		Parson	s / Somerse	t, NJ	
SAMPLE ID:	MW-7							
Sampling Method:	Low flow purge (Mo	onsoon Pump)						
		17						
/ELL PURGING								
Static Water Level (TOC):	34.50							
Depth to Well Bottom (TOC):	51.00							
CALCULATIONS:	Ft. of Water in Well		X (GAL / FT)	=	Gallons			
2-inch Casing:	Ft. of Water in Wel		x 0.16 =		Gallons			
3-inch Casing:	Ft. of Water in Well		x 0.32 =		Gallons			
4-inch Casing:	Ft. of Water in Wel		x 0.64 =		Gallons			
Method:	Low Flow Pump		_		-			
Odor : Other :	Strong hydrocarbon Clear, Sheen, NAP	n odor L blebs						
FIELD TESTS	DUDCE							
Timo	PURGE	1157	1202	1207	1212	1017	1222	1227
Depth To Water (TOC) (ft)	37.75	37.60	37.60	37.60	37.60	37.60	37.60	37.60
Depth To Pump (TOC) (ft)	46.00	46.00	46.00	46.00	46.00	46.00	46.00	46.00
Elow Rate (ml/min)	500	500	500	500	500	500	500	500
Volume of Water Purged	6 75	7.5	8 25	9.0	9.75	10.5	11 25	12.0
nH (su)	7.11	7.13	7 10	7.08	7.09	7.09	7 10	7 11
Conductivity (mS/cm)	11.4	11.0	12.2	11.5	11 1	11.0	10.9	11 1
Turbidity (NTUs)	173	182	188	193	210	240	267	NΔ
Dissolved Oxygen (mg/L)	0.63	0.61	0.60	0.59	0.59	0.58	0.62	0.68
Temperature (Degrees C)	17.20	17.00	16 70	16.47	16.50	16.53	16.57	16.51
ORP (mV)	-33	-34	-34	-34	-36	-37	-38	-37
Salinity (%)	6.3	5.8	6.0	6.5	6.4	6.3	6.1	6.3
TDS (g/L)	7.2	6.4	6.8	7.1	6.9	6.8	6.7	6.9
(3, -)								
AMPLE ANALYSIS / LABORAT	ORY							
Analyze For:	TCL VOC's, TCL S	SVOCs, TAL Me	etals, Cyanide					
,			•					
Shinned Via	Chemtech							
Laboratory								
Laboratory								
	Comple collected o						007	
()ther Notes:	Sample collected a	t 1232; nuraed	approximately 1	2.25 dallons	Flow cell clea	aned out at 1	221.	

	<b>P/</b> GROUNDWAT	<b>ARSONS</b> ER SAMPLING RE	ECORD	
SITE NAME:	Con Edison (Ludlow)			
PROJECT NUMBER:	446110-04000			
Purge Date:	4-8-13			
Sampling Date:	4-8-13			
Samplers:	Zohar Lavy	of	Parsons / Somerset, NJ	
SAMPLE ID:	MW-7			
Sampling Method:	Low flow purge (Monsoon Pur	np)		<u> </u>
WELL PURGING				
Static Water Level (TOC):	34.50			
Depth to Well Bottom (TOC):	51.00			
CALCULATIONS:	Ft. of Water in Well	X (GAL / FT) =	Gallons	
2-inch Casing:	Ft. of Water in Wel	x 0.16 =	Gallons	
3-inch Casing:	Ft. of Water in Well	x 0.32 =	Gallons	
4-inch Casing:	Ft. of Water in Well	x 0.64 =	Gallons	
Method:	Low Flow Pump			
SAMPLE DESCRIPTION Odor : Other :	Strong hydrocarbon odor Clear, Sheen, NAPL blebs			
FIELD TESTS				
	SAMPLE			
	1232			
Depth To Water (TOC) (ft)	37.60			
Depth To Pump (TOC) (ft)	46.00			
Flow Rate (ml/min)	500			
Volume of Water Purged	12.25			
pH (s.u.)	7.15			
Conductivity (mS/cm)	11.3			
Turbidity (NTUs)	17.9			
Dissolved Oxygen (mg/L)	0.73			
Temperature (Degrees C)	16.47			
ORP (mV)	-38			
Salinity (%)	6.4			
TDS (g/L)	7.0			
SAMPLE ANALYSIS / LABORATO	DRY			
Analyze For:	TCL VOC's , TCL SVOCs, TA	L Metals, Cyanide		
		· · · · · · · · · · · · · · · · · · ·		
Shipped Via:	Chemtech			
Laboratory				
Other Notes	Sample collected at 1232 pur	ged approximately 12.25 gal	lons. Flow cell cleaned out at 1227.	
	, pu	3		

SITE NAME: PROJECT NUMBER: Purge Date: Sampling Date:	Con Edison /Lud			IG RECO	ORD		
PROJECT NUMBER: Purge Date: Sampling Date:		011()					
Purge Date: Sampling Date:	446110-04000	0w)					
Sampling Date:	440110-04000						
bamping bate.	4-5-13						
Samplers:	4-5-13 Zobai	1 2)4/	of		Parson	s / Somerse	t NI
odinpiers.	201141	Lavy			1 81301	S / Comerse	ι, ΝΟ
SAMPLE ID:	MW-9						
Sampling Method:	Low flow purge (N	lonsoon Pump)					
Statia Water Laval (TOC):	4.45						
Dopth to Wall Pattor (TOC):	4.15	-					
	10.35				Colloca		
CALCULATIONS:	Ft. of Water in We	11 <u></u>	X (GAL / FI)	=	Gallons		
2-inch Casing:	Ft. of Water in We	۹ <u>ــــــــــــــــــــــــــــــــــــ</u>	x 0.10 =		Gallons		
3-Inch Casing:	Ft. of water in We	II	x 0.32 =		Gallons		
4-inch Casing:	Ft. of water in We		x 0.64 =		Galions		
Method.	Low Flow Fullip						
SAMPLE DESCRIPTION							
Odor :	No Odor						
Other :	Clear						
FIELD TESTS							
	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	SAMPLE
Time	PURGE 1005	PURGE 1010	PURGE 1015	PURGE 1020	PURGE 1025	PURGE 1030	SAMPLE 1035
Time Depth To Water (TOC) (ft)	PURGE 1005 4.1	PURGE 1010 4.11	PURGE 1015 4.12	PURGE 1020 4.11	PURGE 1025 4.11	PURGE 1030 4.12	SAMPLE 1035 4.1
Time Depth To Water (TOC) (ft) Depth To Pump (TOC) (ft)	PURGE 1005 4.1 9.35	PURGE 1010 4.11 9.35	PURGE 1015 4.12 9.35	PURGE 1020 4.11 9.35	PURGE 1025 4.11 9.35	PURGE 1030 4.12 9.35	SAMPLE 1035 4.1 9.35
Time Depth To Water (TOC) (ft) Depth To Pump (TOC) (ft) Flow Rate (ml/min)	PURGE 1005 4.1 9.35 ~300	PURGE 1010 4.11 9.35 ~350	PURGE 1015 4.12 9.35 ~350	PURGE 1020 4.11 9.35 ~350	PURGE 1025 4.11 9.35 ~300	PURGE 1030 4.12 9.35 ~300	SAMPLE 1035 4.1 9.35 ~300
Time Depth To Water (TOC) (ft) Depth To Pump (TOC) (ft) Flow Rate (ml/min) Volume of Water Purged	PURGE 1005 4.1 9.35 ~300 ~1	PURGE 1010 4.11 9.35 ~350 ~1.75	PURGE 1015 4.12 9.35 ~350 ~2.5	PURGE 1020 4.11 9.35 ~350 ~3.0	PURGE 1025 4.11 9.35 ~300 ~3.5	PURGE 1030 4.12 9.35 ~300 ~4.0	SAMPLE 1035 4.1 9.35 ~300 ~4.5
Time Depth To Water (TOC) (ft) Depth To Pump (TOC) (ft) Flow Rate (ml/min) Volume of Water Purged pH (s.u.)	PURGE 1005 4.1 9.35 ~300 ~1 7.1	PURGE 1010 4.11 9.35 ~350 ~1.75 7.12	PURGE 1015 4.12 9.35 ~350 ~2.5 7.15	PURGE 1020 4.11 9.35 ~350 ~3.0 7.14	PURGE 1025 4.11 9.35 ~300 ~3.5 7.14	PURGE 1030 4.12 9.35 ~300 ~4.0 7.14	SAMPLE 1035 4.1 9.35 ~300 ~4.5 7.15
Time Depth To Water (TOC) (ft) Depth To Pump (TOC) (ft) Flow Rate (ml/min) Volume of Water Purged pH (s.u.) Conductivity (mS/cm)	PURGE 1005 4.1 9.35 ~300 ~1 7.1 6.56	PURGE 1010 4.11 9.35 ~350 ~1.75 7.12 6.88	PURGE 1015 4.12 9.35 ~350 ~2.5 7.15 6.55	PURGE 1020 4.11 9.35 ~350 ~3.0 7.14 6.35	PURGE 1025 4.11 9.35 ~300 ~3.5 7.14 6.35	PURGE 1030 4.12 9.35 ~300 ~4.0 7.14 6.53	SAMPLE 1035 4.1 9.35 ~300 ~4.5 7.15 6.61
Time Depth To Water (TOC) (ft) Depth To Pump (TOC) (ft) Flow Rate (ml/min) Volume of Water Purged pH (s.u.) Conductivity (mS/cm) Turbidity (NTUs)	PURGE 1005 4.1 9.35 ~300 ~1 7.1 6.56 82.9	PURGE 1010 4.11 9.35 ~350 ~1.75 7.12 6.88 22.5	PURGE 1015 4.12 9.35 ~350 ~2.5 7.15 6.55 2.0	PURGE       1020       4.11       9.35       ~350       ~3.0       7.14       6.35       0	PURGE 1025 4.11 9.35 ~300 ~3.5 7.14 6.35 0	PURGE 1030 4.12 9.35 ~300 ~4.0 7.14 6.53 0	SAMPLE 1035 4.1 9.35 ~300 ~4.5 7.15 6.61 0
Time Depth To Water (TOC) (ft) Depth To Pump (TOC) (ft) Flow Rate (ml/min) Volume of Water Purged pH (s.u.) Conductivity (mS/cm) Turbidity (NTUs) Dissolved Oxygen (mg/L)	PURGE 1005 4.1 9.35 ~300 ~1 7.1 6.56 82.9 6.58	PURGE 1010 4.11 9.35 ~350 ~1.75 7.12 6.88 22.5 2.95	PURGE 1015 4.12 9.35 ~350 ~2.5 7.15 6.55 2.0 2.26	PURGE       1020       4.11       9.35       ~350       ~3.0       7.14       6.35       0       1.93	PURGE       1025       4.11       9.35       ~300       ~3.5       7.14       6.35       0       1.89	PURGE 1030 4.12 9.35 ~300 ~4.0 7.14 6.53 0 1.68	SAMPLE       1035       4.1       9.35       ~300       ~4.5       7.15       6.61       0       1.63
Time Depth To Water (TOC) (ft) Depth To Pump (TOC) (ft) Flow Rate (ml/min) Volume of Water Purged pH (s.u.) Conductivity (mS/cm) Turbidity (NTUs) Dissolved Oxygen (mg/L) Temperature (Degrees C)	PURGE 1005 4.1 9.35 ~300 ~1 7.1 6.56 82.9 6.58 10.59	PURGE 1010 4.11 9.35 ~350 ~1.75 7.12 6.88 22.5 2.95 10.37	PURGE 1015 4.12 9.35 ~350 ~2.5 7.15 6.55 2.0 2.26 10.11	PURGE 1020 4.11 9.35 ~350 ~3.0 7.14 6.35 0 1.93 10.05	PURGE 1025 4.11 9.35 ~300 ~3.5 7.14 6.35 0 1.89 10.08	PURGE 1030 4.12 9.35 ~300 ~4.0 7.14 6.53 0 1.68 10.32	SAMPLE       1035       4.1       9.35       ~300       ~4.5       7.15       6.61       0       1.63       10.31
Time Depth To Water (TOC) (ft) Depth To Pump (TOC) (ft) Flow Rate (ml/min) Volume of Water Purged pH (s.u.) Conductivity (mS/cm) Turbidity (NTUs) Dissolved Oxygen (mg/L) Temperature (Degrees C) ORP (mV)	PURGE 1005 4.1 9.35 ~300 ~1 7.1 6.56 82.9 6.58 10.59 -51	PURGE 1010 4.11 9.35 ~350 ~1.75 7.12 6.88 22.5 2.95 10.37 -63	PURGE 1015 4.12 9.35 ~350 ~2.5 7.15 6.55 2.0 2.26 10.11 -73	PURGE 1020 4.11 9.35 ~350 ~3.0 7.14 6.35 0 1.93 10.05 -77	PURGE 1025 4.11 9.35 ~300 ~3.5 7.14 6.35 0 1.89 10.08 -77	PURGE 1030 4.12 9.35 ~300 ~4.0 7.14 6.53 0 1.68 10.32 -82	SAMPLE       1035       4.1       9.35       ~300       ~4.5       7.15       6.61       0       1.63       10.31
Time Depth To Water (TOC) (ft) Depth To Pump (TOC) (ft) Flow Rate (ml/min) Volume of Water Purged pH (s.u.) Conductivity (mS/cm) Turbidity (NTUs) Dissolved Oxygen (mg/L) Temperature (Degrees C) ORP (mV) Salinity (%)	PURGE 1005 4.1 9.35 ~300 ~1 7.1 6.56 82.9 6.58 10.59 -51 3.5	PURGE 1010 4.11 9.35 ~350 ~1.75 7.12 6.88 22.5 2.95 10.37 -63 3.7	PURGE 1015 4.12 9.35 ~350 ~2.5 7.15 6.55 2.0 2.26 10.11 -73 3.5	PURGE 1020 4.11 9.35 ~350 ~3.0 7.14 6.35 0 1.93 10.05 -77 3.4	PURGE 1025 4.11 9.35 ~300 ~3.5 7.14 6.35 0 1.89 10.08 -77 3.4	PURGE 1030 4.12 9.35 ~300 ~4.0 7.14 6.53 0 1.68 10.32 -82 3.5	SAMPLE 1035 4.1 9.35 ~300 ~4.5 7.15 6.61 0 1.63 10.31 -85 3.6













11/8/2012 Mr. Zohar Lavy PARSONS GOVERNMENT SERVICES INC. 200 Cottontail Lane South

Somerset NJ 08873

Project Name: Ludlow Project #: Workorder #: 1210554

Dear Mr. Zohar Lavy

The following report includes the data for the above referenced project for sample(s) received on 10/25/2012 at Air Toxics Ltd.

The data and associated QC analyzed by Modified TO-15 are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Air Toxics Ltd. for your air analysis needs. Air Toxics Ltd. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Ausha Scott at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Scott

Ausha Scott Project Manager

A Eurofins Lancaster Laboratories Company

180 Blue Ravine Road, Suite B Folsom, CA 95630



### WORK ORDER #: 1210554

#### Work Order Summary

CLIENT:	Mr. Zohar Lavy PARSONS GOVERNMENT SERVICES INC.	BILL TO:	Accounts Payable-Syracuse PARSONS GOVERNMENT SERVICES INC.
	200 Cottontail Lane South Somerset, NJ 08873		301 Plainfield Rd, Suite 350 Syracuse, NY 13212
PHONE:	732-537-3585	<b>P.O.</b> #	446110-02000
FAX:		PROJECT #	Ludlow
DATE RECEIVED:	10/25/2012	CONTACT:	Ausha Scott
DATE COMPLETED:	11/08/2012		

			RECEIPT	FINAL
FRACTION #	NAME	<u>TEST</u>	VAC./PRES.	<b>PRESSURE</b>
01A	SV-3	Modified TO-15	6.5"Hg	5.0 psi
02A	SV-4	Modified TO-15	7.0"Hg	5.0 psi
03A	SV-1	Modified TO-15	7.5"Hg	5.0 psi
04A	Lab Blank	Modified TO-15	NA	NA
05A	CCV	Modified TO-15	NA	NA
06A	LCS	Modified TO-15	NA	NA
06AA	LCSD	Modified TO-15	NA	NA

CERTIFIED BY:

lar

DATE: <u>11/08/12</u>

Technical Director

Certification numbers: AZ Licensure AZ0775, CA NELAP - 12282CA, NY NELAP - 11291, TX NELAP - T104704434-12-5, UT NELAP CA009332012-3, WA NELAP - C935 Name of Accrediting Agency: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program) Accreditation number: CA300005, Effective date: 10/18/2011, Expiration date: 10/17/2012. Eurofins Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

This report shall not be reproduced, except in full, without the written approval of Eurofins Air Toxics, Inc.

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 9563 (916) 985-1000. (800) 985-5955. FAX (916) 985-1020



Page 2 of 19



### LABORATORY NARRATIVE EPA Method TO-15 PARSONS GOVERNMENT SERVICES INC. Workorder# 1210554

Three 6 Liter Summa Canister samples were received on October 25, 2012. The laboratory performed analysis via EPA Method TO-15 using GC/MS in the full scan mode.

This workorder was independently validated prior to submittal using 'USEPA National Functional Guidelines' as generally applied to the analysis of volatile organic compounds in air. A rules-based, logic driven, independent validation engine was employed to assess completeness, evaluate pass/fail of relevant project quality control requirements and verification of all quantified amounts.

### **Receiving Notes**

There were no receiving discrepancies.

### Analytical Notes

All Quality Control Limit exceedances and affected sample results are noted by flags. Each flag is defined at the bottom of this Case Narrative and on each Sample Result Summary page.

### **Definition of Data Qualifying Flags**

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

- J Estimated value.
- E Exceeds instrument calibration range.
- S Saturated peak.
- Q Exceeds quality control limits.
- U Compound analyzed for but not detected above the reporting limit.
- UJ- Non-detected compound associated with low bias in the CCV and/or LCS.
- N The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

- b-File was quantified by a second column and detector
- r1-File was requantified for the purpose of reissue



### Summary of Detected Compounds EPA METHOD TO-15 GC/MS FULL SCAN

### **Client Sample ID: SV-3**

### Lab ID#: 1210554-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	8.6	64	20	150
Toluene	0.86	6.2	3.2	23
Tetrachloroethene	0.86	15	5.8	100
m,p-Xylene	0.86	2.6	3.7	11

### **Client Sample ID: SV-4**

#### Lab ID#: 1210554-02A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,3-Butadiene	0.88	2.0	1.9	4.4
Acetone	8.8	91	21	220
Carbon Disulfide	3.5	4.5	11	14
Hexane	0.88	100	3.1	360
Benzene	0.88	2.7	2.8	8.6
Heptane	0.88	47	3.6	190
Toluene	0.88	16	3.3	60
Tetrachloroethene	0.88	3.6	5.9	24
Ethyl Benzene	0.88	1.3	3.8	5.8
m,p-Xylene	0.88	4.6	3.8	20
o-Xylene	0.88	1.6	3.8	7.0

### **Client Sample ID: SV-1**

### Lab ID#: 1210554-03A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.90	1.2	4.4	5.9
1,3-Butadiene	0.90	15	2.0	34
Acetone	9.0	110	21	260
Carbon Disulfide	3.6	5.4	11	17
Hexane	0.90	7.6	3.2	27
2-Butanone (Methyl Ethyl Ketone)	3.6	3.8	10	11
1,1,1-Trichloroethane	0.90	1.2	4.9	6.5
Cyclohexane	0.90	2.3	3.1	7.9



### **Summary of Detected Compounds** EPA METHOD TO-15 GC/MS FULL SCAN

### **Client Sample ID: SV-1**

Lab ID#: 1210554-03A				
2,2,4-Trimethylpentane	0.90	2.5	4.2	12
Benzene	0.90	6.2	2.8	20
Heptane	0.90	3.2	3.7	13
Toluene	0.90	9.2	3.4	35
Tetrachloroethene	0.90	4.2	6.1	28
Ethyl Benzene	0.90	1.2	3.9	5.4
m,p-Xylene	0.90	4.4	3.9	19
o-Xylene	0.90	1.2	3.9	5.2



### Client Sample ID: SV-3 Lab ID#: 1210554-01A EPA METHOD TO-15 GC/MS FULL SCAN

File Name: Dil. Factor:	p102639 1.71	Date Date	of Collection: 10/ of Analysis: 10/2	24/12 11:55:00 A 7/12 04:55 PM
	Rpt. Limit	Amount	Rpt. Limit	Amount
Compound	(ppbv)	(ppbv)	(ug/m3)	(ug/m3)
Freon 12	0.86	Not Detected	4.2	Not Detected
Freon 114	0.86	Not Detected	6.0	Not Detected
Chloromethane	8.6	Not Detected	18	Not Detected
Vinyl Chloride	0.86	Not Detected	2.2	Not Detected
1,3-Butadiene	0.86	Not Detected	1.9	Not Detected
Bromomethane	8.6	Not Detected	33	Not Detected
Chloroethane	3.4	Not Detected	9.0	Not Detected
Freon 11	0.86	Not Detected	4.8	Not Detected
Ethanol	3.4	Not Detected	6.4	Not Detected
Freon 113	0.86	Not Detected	6.6	Not Detected
1,1-Dichloroethene	0.86	Not Detected	3.4	Not Detected
Acetone	8.6	64	20	150
2-Propanol	3.4	Not Detected	8.4	Not Detected
Carbon Disulfide	3.4	Not Detected	11	Not Detected
3-Chloropropene	3.4	Not Detected	11	Not Detected
Methylene Chloride	8.6	Not Detected	30	Not Detected
Methyl tert-butyl ether	0.86	Not Detected	3.1	Not Detected
trans-1,2-Dichloroethene	0.86	Not Detected	3.4	Not Detected
Hexane	0.86	Not Detected	3.0	Not Detected
1,1-Dichloroethane	0.86	Not Detected	3.5	Not Detected
2-Butanone (Methyl Ethyl Ketone)	3.4	Not Detected	10	Not Detected
cis-1,2-Dichloroethene	0.86	Not Detected	3.4	Not Detected
Tetrahydrofuran	0.86	Not Detected	2.5	Not Detected
Chloroform	0.86	Not Detected	4.2	Not Detected
1,1,1-Trichloroethane	0.86	Not Detected	4.7	Not Detected
Cyclohexane	0.86	Not Detected	2.9	Not Detected
Carbon Tetrachloride	0.86	Not Detected	5.4	Not Detected
2,2,4-Trimethylpentane	0.86	Not Detected	4.0	Not Detected
Benzene	0.86	Not Detected	2.7	Not Detected
1,2-Dichloroethane	0.86	Not Detected	3.5	Not Detected
Heptane	0.86	Not Detected	3.5	Not Detected
Trichloroethene	0.86	Not Detected	4.6	Not Detected
1,2-Dichloropropane	0.86	Not Detected	4.0	Not Detected
1,4-Dioxane	3.4	Not Detected	12	Not Detected
Bromodichloromethane	0.86	Not Detected	5.7	Not Detected
cis-1,3-Dichloropropene	0.86	Not Detected	3.9	Not Detected
4-Methyl-2-pentanone	0.86	Not Detected	3.5	Not Detected
Toluene	0.86	6.2	3.2	23
trans-1,3-Dichloropropene	0.86	Not Detected	3.9	Not Detected
1,1,2-Trichloroethane	0.86	Not Detected	4.7	Not Detected
Tetrachloroethene	0.86	15	5.8	100
2-Hexanone	3.4	Not Detected	14	Not Detected



### Client Sample ID: SV-3 Lab ID#: 1210554-01A EPA METHOD TO-15 GC/MS FULL SCAN

File Name: Dil. Factor:	p102639 1.71	Date Date	of Collection: 10/2 of Analysis: 10/2	/24/12 11:55:00 A 7/12 04:55 PM
Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	0.86	Not Detected	7.3	Not Detected
1,2-Dibromoethane (EDB)	0.86	Not Detected	6.6	Not Detected
Chlorobenzene	0.86	Not Detected	3.9	Not Detected
Ethyl Benzene	0.86	Not Detected	3.7	Not Detected
m,p-Xylene	0.86	2.6	3.7	11
o-Xylene	0.86	Not Detected	3.7	Not Detected
Styrene	0.86	Not Detected	3.6	Not Detected
Bromoform	0.86	Not Detected	8.8	Not Detected
Cumene	0.86	Not Detected	4.2	Not Detected
1,1,2,2-Tetrachloroethane	0.86	Not Detected	5.9	Not Detected
Propylbenzene	0.86	Not Detected	4.2	Not Detected
4-Ethyltoluene	0.86	Not Detected	4.2	Not Detected
1,3,5-Trimethylbenzene	0.86	Not Detected	4.2	Not Detected
1,2,4-Trimethylbenzene	0.86	Not Detected	4.2	Not Detected
1,3-Dichlorobenzene	0.86	Not Detected	5.1	Not Detected
1,4-Dichlorobenzene	0.86	Not Detected	5.1	Not Detected
alpha-Chlorotoluene	0.86	Not Detected	4.4	Not Detected
1,2-Dichlorobenzene	0.86	Not Detected	5.1	Not Detected
1,2,4-Trichlorobenzene	3.4	Not Detected	25	Not Detected
Hexachlorobutadiene	3.4	Not Detected	36	Not Detected

#### Container Type: 6 Liter Summa Canister

		Method
Surrogates	%Recovery	Limits
Toluene-d8	96	70-130
1,2-Dichloroethane-d4	99	70-130
4-Bromofluorobenzene	103	70-130



### Client Sample ID: SV-4 Lab ID#: 1210554-02A EPA METHOD TO-15 GC/MS FULL SCAN

File Name: Dil. Factor:	p102640 1.75	Date Date	of Collection: 10/ of Analysis: 10/27	24/12 12:10:00 P 7/12 05:38 PM
	Rpt. Limit	Amount	Rpt. Limit	Amount
Compound	(ppbv)	(ppbv)	(ug/m3)	(ug/m3)
Freon 12	0.88	Not Detected	4.3	Not Detected
Freon 114	0.88	Not Detected	6.1	Not Detected
Chloromethane	8.8	Not Detected	18	Not Detected
Vinyl Chloride	0.88	Not Detected	2.2	Not Detected
1,3-Butadiene	0.88	2.0	1.9	4.4
Bromomethane	8.8	Not Detected	34	Not Detected
Chloroethane	3.5	Not Detected	9.2	Not Detected
Freon 11	0.88	Not Detected	4.9	Not Detected
Ethanol	3.5	Not Detected	6.6	Not Detected
Freon 113	0.88	Not Detected	6.7	Not Detected
1,1-Dichloroethene	0.88	Not Detected	3.5	Not Detected
Acetone	8.8	91	21	220
2-Propanol	3.5	Not Detected	8.6	Not Detected
Carbon Disulfide	3.5	4.5	11	14
3-Chloropropene	3.5	Not Detected	11	Not Detected
Methylene Chloride	8.8	Not Detected	30	Not Detected
Methyl tert-butyl ether	0.88	Not Detected	3.2	Not Detected
trans-1,2-Dichloroethene	0.88	Not Detected	3.5	Not Detected
Hexane	0.88	100	3.1	360
1,1-Dichloroethane	0.88	Not Detected	3.5	Not Detected
2-Butanone (Methyl Ethyl Ketone)	3.5	Not Detected	10	Not Detected
cis-1,2-Dichloroethene	0.88	Not Detected	3.5	Not Detected
Tetrahydrofuran	0.88	Not Detected	2.6	Not Detected
Chloroform	0.88	Not Detected	4.3	Not Detected
1,1,1-Trichloroethane	0.88	Not Detected	4.8	Not Detected
Cyclohexane	0.88	Not Detected	3.0	Not Detected
Carbon Tetrachloride	0.88	Not Detected	5.5	Not Detected
2,2,4-Trimethylpentane	0.88	Not Detected	4.1	Not Detected
Benzene	0.88	2.7	2.8	8.6
1,2-Dichloroethane	0.88	Not Detected	3.5	Not Detected
Heptane	0.88	47	3.6	190
Trichloroethene	0.88	Not Detected	4.7	Not Detected
1,2-Dichloropropane	0.88	Not Detected	4.0	Not Detected
1,4-Dioxane	3.5	Not Detected	13	Not Detected
Bromodichloromethane	0.88	Not Detected	5.9	Not Detected
cis-1,3-Dichloropropene	0.88	Not Detected	4.0	Not Detected
4-Methyl-2-pentanone	0.88	Not Detected	3.6	Not Detected
Toluene	0.88	16	3.3	60
trans-1,3-Dichloropropene	0.88	Not Detected	4.0	Not Detected
1,1,2-Trichloroethane	0.88	Not Detected	4.8	Not Detected
Tetrachloroethene	0.88	3.6	5.9	24
2-Hexanone	3.5	Not Detected	14	Not Detected



### Client Sample ID: SV-4 Lab ID#: 1210554-02A EPA METHOD TO-15 GC/MS FULL SCAN

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File Name: Dil. Factor:	p102640 1.75	Date Date	e of Collection: 10/ e of Analysis: 10/2	/24/12 12:10:00 P 7/12 05:38 PM
Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	0.88	Not Detected	7.4	Not Detected
1,2-Dibromoethane (EDB)	0.88	Not Detected	6.7	Not Detected
Chlorobenzene	0.88	Not Detected	4.0	Not Detected
Ethyl Benzene	0.88	1.3	3.8	5.8
m,p-Xylene	0.88	4.6	3.8	20
o-Xylene	0.88	1.6	3.8	7.0
Styrene	0.88	Not Detected	3.7	Not Detected
Bromoform	0.88	Not Detected	9.0	Not Detected
Cumene	0.88	Not Detected	4.3	Not Detected
1,1,2,2-Tetrachloroethane	0.88	Not Detected	6.0	Not Detected
Propylbenzene	0.88	Not Detected	4.3	Not Detected
4-Ethyltoluene	0.88	Not Detected	4.3	Not Detected
1,3,5-Trimethylbenzene	0.88	Not Detected	4.3	Not Detected
1,2,4-Trimethylbenzene	0.88	Not Detected	4.3	Not Detected
1,3-Dichlorobenzene	0.88	Not Detected	5.3	Not Detected
1,4-Dichlorobenzene	0.88	Not Detected	5.3	Not Detected
alpha-Chlorotoluene	0.88	Not Detected	4.5	Not Detected
1,2-Dichlorobenzene	0.88	Not Detected	5.3	Not Detected
1,2,4-Trichlorobenzene	3.5	Not Detected	26	Not Detected
Hexachlorobutadiene	3.5	Not Detected	37	Not Detected

#### Container Type: 6 Liter Summa Canister

		Method
Surrogates	%Recovery	Limits
Toluene-d8	101	70-130
1,2-Dichloroethane-d4	101	70-130
4-Bromofluorobenzene	97	70-130



### Client Sample ID: SV-1 Lab ID#: 1210554-03A EPA METHOD TO-15 GC/MS FULL SCAN

File Name: Dil. Factor:	p102641 1.79	Date Date	of Collection: 10/ of Analysis: 10/2	24/12 2:28:00 PM 7/12 06:09 PM
	Rpt. Limit	Amount	Rpt. Limit	Amount
Compound	(ppbv)	(ppbv)	(ug/m3)	(ug/m3)
Freon 12	0.90	1.2	4.4	5.9
Freon 114	0.90	Not Detected	6.2	Not Detected
Chloromethane	9.0	Not Detected	18	Not Detected
Vinyl Chloride	0.90	Not Detected	2.3	Not Detected
1,3-Butadiene	0.90	15	2.0	34
Bromomethane	9.0	Not Detected	35	Not Detected
Chloroethane	3.6	Not Detected	9.4	Not Detected
Freon 11	0.90	Not Detected	5.0	Not Detected
Ethanol	3.6	Not Detected	6.7	Not Detected
Freon 113	0.90	Not Detected	6.8	Not Detected
1,1-Dichloroethene	0.90	Not Detected	3.5	Not Detected
Acetone	9.0	110	21	260
2-Propanol	3.6	Not Detected	8.8	Not Detected
Carbon Disulfide	3.6	5.4	11	17
3-Chloropropene	3.6	Not Detected	11	Not Detected
Methylene Chloride	9.0	Not Detected	31	Not Detected
Methyl tert-butyl ether	0.90	Not Detected	3.2	Not Detected
trans-1,2-Dichloroethene	0.90	Not Detected	3.5	Not Detected
Hexane	0.90	7.6	3.2	27
1,1-Dichloroethane	0.90	Not Detected	3.6	Not Detected
2-Butanone (Methyl Ethyl Ketone)	3.6	3.8	10	11
cis-1,2-Dichloroethene	0.90	Not Detected	3.5	Not Detected
Tetrahydrofuran	0.90	Not Detected	2.6	Not Detected
Chloroform	0.90	Not Detected	4.4	Not Detected
1,1,1-Trichloroethane	0.90	1.2	4.9	6.5
Cyclohexane	0.90	2.3	3.1	7.9
Carbon Tetrachloride	0.90	Not Detected	5.6	Not Detected
2,2,4-Trimethylpentane	0.90	2.5	4.2	12
Benzene	0.90	6.2	2.8	20
1,2-Dichloroethane	0.90	Not Detected	3.6	Not Detected
Heptane	0.90	3.2	3.7	13
Trichloroethene	0.90	Not Detected	4.8	Not Detected
1,2-Dichloropropane	0.90	Not Detected	4.1	Not Detected
1,4-Dioxane	3.6	Not Detected	13	Not Detected
Bromodichloromethane	0.90	Not Detected	6.0	Not Detected
cis-1,3-Dichloropropene	0.90	Not Detected	4.1	Not Detected
4-Methyl-2-pentanone	0.90	Not Detected	3.7	Not Detected
Toluene	0.90	9.2	3.4	35
trans-1,3-Dichloropropene	0.90	Not Detected	4.1	Not Detected
1,1,2-Trichloroethane	0.90	Not Detected	4.9	Not Detected
Tetrachloroethene	0.90	4.2	6.1	28
2-Hexanone	3.6	Not Detected	15	Not Detected



### Client Sample ID: SV-1 Lab ID#: 1210554-03A EPA METHOD TO-15 GC/MS FULL SCAN

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File Name: Dil. Factor:	p102641 1 79	Date	e of Collection: 10/2	/24/12 2:28:00 PM 7/12 06:09 PM
Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	0.90	Not Detected	7.6	Not Detected
1,2-Dibromoethane (EDB)	0.90	Not Detected	6.9	Not Detected
Chlorobenzene	0.90	Not Detected	4.1	Not Detected
Ethyl Benzene	0.90	1.2	3.9	5.4
m,p-Xylene	0.90	4.4	3.9	19
o-Xylene	0.90	1.2	3.9	5.2
Styrene	0.90	Not Detected	3.8	Not Detected
Bromoform	0.90	Not Detected	9.2	Not Detected
Cumene	0.90	Not Detected	4.4	Not Detected
1,1,2,2-Tetrachloroethane	0.90	Not Detected	6.1	Not Detected
Propylbenzene	0.90	Not Detected	4.4	Not Detected
4-Ethyltoluene	0.90	Not Detected	4.4	Not Detected
1,3,5-Trimethylbenzene	0.90	Not Detected	4.4	Not Detected
1,2,4-Trimethylbenzene	0.90	Not Detected	4.4	Not Detected
1,3-Dichlorobenzene	0.90	Not Detected	5.4	Not Detected
1,4-Dichlorobenzene	0.90	Not Detected	5.4	Not Detected
alpha-Chlorotoluene	0.90	Not Detected	4.6	Not Detected
1,2-Dichlorobenzene	0.90	Not Detected	5.4	Not Detected
1,2,4-Trichlorobenzene	3.6	Not Detected	26	Not Detected
Hexachlorobutadiene	3.6	Not Detected	38	Not Detected

#### Container Type: 6 Liter Summa Canister

		Method
Surrogates	%Recovery	Limits
Toluene-d8	96	70-130
1,2-Dichloroethane-d4	97	70-130
4-Bromofluorobenzene	101	70-130



### Client Sample ID: Lab Blank Lab ID#: 1210554-04A EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	p102623	Date	of Collection: NA	5/40 40.44 DM
DII: Factor:	1.00	Date	of Analysis: 10/20	0/12 10:44 Pivi
- ·	Rpt. Limit	Amount	Rpt. Limit	Amount
Compound	(ppbv)	(ppbv)	(ug/m3)	(ug/m3)
Freon 12	0.50	Not Detected	2.5	Not Detected
Freon 114	0.50	Not Detected	3.5	Not Detected
Chloromethane	5.0	Not Detected	10	Not Detected
Vinyl Chloride	0.50	Not Detected	1.3	Not Detected
1,3-Butadiene	0.50	Not Detected	1.1	Not Detected
Bromomethane	5.0	Not Detected	19	Not Detected
Chloroethane	2.0	Not Detected	5.3	Not Detected
Freon 11	0.50	Not Detected	2.8	Not Detected
Ethanol	2.0	Not Detected	3.8	Not Detected
Freon 113	0.50	Not Detected	3.8	Not Detected
1,1-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Acetone	5.0	Not Detected	12	Not Detected
2-Propanol	2.0	Not Detected	4.9	Not Detected
Carbon Disulfide	2.0	Not Detected	6.2	Not Detected
3-Chloropropene	2.0	Not Detected	6.3	Not Detected
Methylene Chloride	5.0	Not Detected	17	Not Detected
Methyl tert-butyl ether	0.50	Not Detected	1.8	Not Detected
trans-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Hexane	0.50	Not Detected	1.8	Not Detected
1,1-Dichloroethane	0.50	Not Detected	2.0	Not Detected
2-Butanone (Methyl Ethyl Ketone)	2.0	Not Detected	5.9	Not Detected
cis-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Tetrahydrofuran	0.50	Not Detected	1.5	Not Detected
Chloroform	0.50	Not Detected	2.4	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Cyclohexane	0.50	Not Detected	1.7	Not Detected
Carbon Tetrachloride	0.50	Not Detected	3.1	Not Detected
2,2,4-Trimethylpentane	0.50	Not Detected	2.3	Not Detected
Benzene	0.50	Not Detected	1.6	Not Detected
1,2-Dichloroethane	0.50	Not Detected	2.0	Not Detected
Heptane	0.50	Not Detected	2.0	Not Detected
Trichloroethene	0.50	Not Detected	2.7	Not Detected
1,2-Dichloropropane	0.50	Not Detected	2.3	Not Detected
1,4-Dioxane	2.0	Not Detected	7.2	Not Detected
Bromodichloromethane	0.50	Not Detected	3.4	Not Detected
cis-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
4-Methyl-2-pentanone	0.50	Not Detected	2.0	Not Detected
Toluene	0.50	Not Detected	1.9	Not Detected
trans-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
1,1,2-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected
2-Hexanone	2.0	Not Detected	8.2	Not Detected



### Client Sample ID: Lab Blank Lab ID#: 1210554-04A EPA METHOD TO-15 GC/MS FULL SCAN

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File Name: Dil. Factor:	p102623 1.00	Date Date	of Collection: NA of Analysis: 10/2	6/12 10:44 PM
Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	0.50	Not Detected	4.2	Not Detected
1,2-Dibromoethane (EDB)	0.50	Not Detected	3.8	Not Detected
Chlorobenzene	0.50	Not Detected	2.3	Not Detected
Ethyl Benzene	0.50	Not Detected	2.2	Not Detected
m,p-Xylene	0.50	Not Detected	2.2	Not Detected
o-Xylene	0.50	Not Detected	2.2	Not Detected
Styrene	0.50	Not Detected	2.1	Not Detected
Bromoform	0.50	Not Detected	5.2	Not Detected
Cumene	0.50	Not Detected	2.4	Not Detected
1,1,2,2-Tetrachloroethane	0.50	Not Detected	3.4	Not Detected
Propylbenzene	0.50	Not Detected	2.4	Not Detected
4-Ethyltoluene	0.50	Not Detected	2.4	Not Detected
1,3,5-Trimethylbenzene	0.50	Not Detected	2.4	Not Detected
1,2,4-Trimethylbenzene	0.50	Not Detected	2.4	Not Detected
1,3-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,4-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
alpha-Chlorotoluene	0.50	Not Detected	2.6	Not Detected
1,2-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,2,4-Trichlorobenzene	2.0	Not Detected	15	Not Detected
Hexachlorobutadiene	2.0	Not Detected	21	Not Detected

		Method	
Surrogates	%Recovery	Limits	
Toluene-d8	99	70-130	
1,2-Dichloroethane-d4	94	70-130	
4-Bromofluorobenzene	96	70-130	



### Client Sample ID: CCV Lab ID#: 1210554-05A EPA METHOD TO-15 GC/MS FULL SCAN

Compound     %Recovery       Freon 12     81       Freon 114     84       Chirormethane     90       Vinyl Chloride     86       1,3-Butadiene     82       Bromomethane     88       Chloroethane     89       Freon 11     79       Ethanol     92       Freon 11     79       Itholioroethene     80       Acetone     80       2-Propanol     86       Carbon Disulfide     84       3-Chloropopene     94       Methylene Chloride     84       Acctone     83       Hexane     79       Itrans-1,2-Dichloroethene     84       2-Chloropopene     94       Methylene Chloride     84       2-Butanone (Methyl Ethyl Ketone)     82       cis-1,2-Dichloroethene     84       2-Butanone (Methyl Ethyl Ketone)     85       Chloroptorm     81       1,1,1-Trichloroethane     84       2-Dichloroethane     83       1,2-Dichloroethane	File Name: Dil. Factor:	p102619 1.00	Date of Collection: NA Date of Analysis: 10/26/12 08:05 PM
Intervention     Intervention       Freen 12     81       Freen 114     84       Chloromethane     90       Vinyl Chloride     86       1,3-Butadiene     82       Bromomethane     88       Chloroethane     89       Freen 11     79       Ethanol     92       Freon 113     81       1,1-Dichloroethene     90       Acetone     80       2-Propanol     86       Carbon Disulfide     84       3-Chloropthene     94       Methylene Chloride     84       42-Dichloroethene     88       Hexane     91       1,1-Dichloroethane     84       2-Dichloroethene     84       2-butanone (Methyl Ethyl Ketone)     82       cis-1,2-Dichloroethene     84       2-butanone (Methyl Ethyl Ketone)     82       cis-1,2-Dichloroethene     84       2,2,4-Timethylpentane     83       1,1-1-Tichloroethane     84       Choroforn     81       1,	Compound		%Recovery
Freen 114     91       Chloromethane     90       Vinyl Chloride     86       1.3-Butadiene     82       Bromomethane     88       Chloroethane     89       Freen 11     79       Ethanol     92       Frenon 11     79       Ethanol     92       Propanol     81       1.1-Dichloroethene     90       Acetone     80       2-Propanol     86       Carbon Disulfide     84       3-Chloropropene     94       Methylene Chloride     84       Methylene Chloride     84       2-bropanol     88       Itabilitorepropene     91       1.1-Dichloroethene     84       2-butanone (Methyl Ethyl Ketone)     82       eis-1.2-Dichloroethene     86       Evaluatione     81       Chloroform     81       1.1.1-Trichloroethene     84       Cyclohexane     83       Carbon Tetrachloride     82       2.2.4-Trimethylopentane <td< td=""><td></td><td></td><td>91</td></td<>			91
Fledin 11404Vinyl Chloride861,3-Butadiene82Bromomethane88Chloroethane89Freon 1179Ethanol92Freon 1179Ethanol90Acetone90Acetone90Acetone802-Propanol86Carbon Disulified843-Chloropropene94Methylene Chloride84Methylene Chloride842-Butanone (Methyl Ethyl Ketone)82cis-1.2-Dichloroethane86Tetrahydrofuran85Chloroform811,1.1-Tichloroethane88Chloroform811,2-Dichloroethane86Tetrahydrofuran85Chloroform811,2-Dichloroethane88Caylon Fitzechloride88Chloroform811,1.2-Tichloroethane831,2-Dichloroethane761,2-Dichloroethane761,2-Dichloroethane77Benzene831,2-Dichloroethane761,2-Dichloroethane761,2-Dichloroptopane844-Methyl-2-pentanone911,1-2-Tichloroethane84Tichloroethane84Tichloroethane761,2-Dichloroptopane934-Methyl-2-pentanone911,2-Dichloroptopane934-Methyl-2-pentanone911,2-Dichloroptopane841,2-D	Freen 12		01
Chilothethale     35       1,3-Butadiene     82       Bromomethane     88       Freon 11     79       Ethanol     79       Ethanol     81       1,1-Dichloroethene     90       Acetone     80       2-Propanol     86       Carbon Disulfide     84       3-Chloropthene     90       Acetone     80       2-Propanol     86       Carbon Disulfide     84       3-Chloropthene     94       Methylene Choride     84       Methylene Choride     84       2-Dichloroethene     88       Hexane     91       1,1-Dichloroethene     88       Hexane     91       1,1-Dichloroethene     86       Carbon Tetrachloride     82       2,2,4-Trimethylepentane     83       Eenzene     83       1,2-Dichloroethane     76       1,2-Dichloroethane     77       Stomotethane     84       Carbon Tetrachloride     82	Chloromothana		0 <del>4</del> QQ
3-Butadiane     32       Brommethane     88       Chloroethane     89       Freon 11     79       Ethanol     92       Freon 11     81       1,1-Dichloroethene     90       Acetone     80       2-Propanol     86       Carbon Disulfide     84       3-Chloropropene     94       Methylera Chloride     84       Methylera Chloride     84       2-Dichloroethene     79       trans-1,2-Dichloroethene     84       2-Butanone (Methyl Ethyl Ketone)     82       cis-1,2-Dichloroethene     84       2-Butanone (Methyl Ethyl Ketone)     82       cis-1,2-Dichloroethene     84       Cyclohexane     88       Carbon Tistrachloride     82       2,2,4-Timethylpentane     83       1,2-Dichloroethane     78       Trichloroethane     78       Trichloroethane     78       1,2-Dichloroethane     78       1,2-Dichloroethane     78       1,2-Dichloroethane     78 </td <td></td> <td></td> <td>90 86</td>			90 86
1,3-Diadadnie     24       Erromomithane     88       Chloroethane     89       Freon 11     79       Ethanol     92       Freon 113     81       1,1-Dichloroethene     90       Acetone     80       2-Propanol     86       Carbon Disulfide     84       3-Chloropropene     94       Methylen- Chloride     84       Acetone     86       Chloropropene     94       Methyl terb-utyl ether     79       trans-1,2-Dichloroethene     88       Hexane     91       1,1-Dichloroethane     84       2-Butanone (Methyl Ethyl Ketone)     82       cis-1,2-Dichloroethene     86       Tetrahydrofuran     81       1,1-1-Trichloroethane     84       Cyclohexane     83       1,2-Dichloroethane     82       2,2,4-Trimethylpentane     83       Benzene     73       Trichloroethane     76       Heptane     77       Tokloropropene	1 3 Rutadiono		82
Display     30       Chloroethane     89       Freon 11     79       Ethanol     92       Freon 113     81       1,1-Dichloroethene     80       2-Propanol     86       Carbon Disulfide     84       3-Chloroptopene     94       Methylene Chloride     84       Methylene Chloride     84       Methylene Chloride     84       JDichloroethene     88       Hexane     91       1,1-Dichloroethane     84       2-Butanone (Methyl Ethyl Ketone)     82       cis-1,2-Dichloroethene     86       Chloroform     81       1,1,1-Trichloroethane     84       Cyclohexane     88       Carbon Tetrachloride     82       2,2,4-Trimethylpentane     93       1,2-Dichloroethane     76       1,2-Dichloroethane     76       1,2-Dichloroethane     76       1,1-Trichloroethane     76       1,1-Trichloroethane     76       1,2-Dichloroethane     76	Promomothana		02
Choleditate     59       Freon 11     79       Ethanol     92       Froon 113     81       1,1-Dichloroethene     90       Acetone     80       2-Propanol     86       Carbon Disulfide     84       3-Chloropropene     94       Methylene Chloride     84       3-Chloropropene     84       3-Chloropropene     84       3-Chloropropene     84       Methyltert-butyl ether     79       trans-1,2-Dichloroethene     88       Hexane     91       1,1-Dichloroethene     84       2-Butanone (Methyl Ethyl Ketone)     82       cis1,2-Dichloroethene     86       Chloroform     81       1,1,1-Trichloroethane     84       Cyclohexane     88       Carbon Tetrachloride     82       2,2,4-Trimethylpentane     93       Benzene     83       1,2-Dichloroethane     76       1,2-Dichloroptane     87       1,4-Dioxane     87       Cis	Chleresthere		80
Field IT1     19       Ethanol     92       Freon 113     81       1,1-Dichloroethene     90       Acetone     80       2-Propanol     86       Carbon Disulfide     84       3-Chloropropene     94       Methylene Chloride     84       Methylene Chloride     84       Methylene Chloroethene     88       Hexane     91       1,1-Dichloroethane     84       2-Butanone (Methyl Ethyl Ketone)     82       cis-1,2-Dichloroethene     86       Chloroform     81       1,1,1-Trichloroethane     84       Cyclohexane     88       Cyclohexane     88       Carbon Tetrachloride     82       2,2,4-Trimethylpentane     83       1,2-Dichloroethane     76       1,2-Dichloroethane     76       1,2-Dichloroethane     77       Benzene     93       Benzene     93       1,2-Dichloroethane     76       1,2-Dichloroethane     77       1	Chioroethane		09 70
Entation     32       Freen 113     81       1,1-Dichloroethene     90       Acetone     80       2-Propanol     86       Carbon Disulfide     84       3-Chloropropene     94       Methylene Chloride     84       Methylene Chloride     84       Methylene Chloride     84       Methylene Chloride     84       Jesteman     79       trans-1,2-Dichloroethene     88       Hexane     91       1,1-Dichloroethane     84       2-Butanone (Methyl Ethyl Ketone)     82       cis-1,2-Dichloroethane     86       Chloroform     81       1,1,1-Trichloroethane     84       Cyclohexane     88       Carbon Tetrachloride     82       2,2,4-Trimethylpentane     93       Benzene     83       1,2-Dichloroethane     76       1,2-Dichloropropane     77       Trichloroethane     77       Bromodichloromethane     84       cis-1,3-Dichloropropene     93 <td></td> <td></td> <td>19</td>			19
return rus     01       1.1-Dichloroethene     90       Acetone     80       2-Propanol     86       Carbon Disulfide     84       3-Chloropropene     94       Methylene Chloride     84       Methylene Chloride     84       Methylene Chloride     84       Methyle ther     79       trans-1,2-Dichloroethene     88       Hexane     91       1,1-Dichloroethane     84       2-Butanone (Methyl Ethyl Ketone)     82       cis-1,2-Dichloroethene     86       Tetrahydrofuran     86       Choroform     81       1,1,1-Trichloroethane     84       Quelowane     88       Carbon Tetrachloride     82       2,2,4-Trimethylpentane     93       Benzene     83       1,2-Dichloroethane     76       1,2-Dichloroethane     77       Bromodichloromethane     77       Romodichloromethane     84       cis-1,3-Dichloroethane     93       1,2-Dichloroethane     93 </td <td>Ethanol Eroop 112</td> <td></td> <td>92</td>	Ethanol Eroop 112		92
1,1-Lichlorobethene90Acetone802-Propanol86Carbon Disulfide843-Chloropropene94Methylene Chloride84Methyl tert-butyl ether79trans-1,2-Dichloroethene841,1-Dichloroethene842-Butanone (Methyl Ethyl Ketone)82cis-1,2-Dichloroethene842-Butanone (Methyl Ethyl Ketone)82cis-1,2-Dichloroethene86Chloroform811,1-1richloroethane842-Butanone (Methyl Ethyl Ketone)82Carbon Tetrachloride82Carbon Tetrachloride822,2,4-Trimethylpentane83Benzene831,2-Dichloroethane78Heptane761,2-Dichloropane871,4-Dioxane84cis-1,3-Dichloropropene934-Methyl-2-pentanone88trans-1,3-Dichloropropene934-Methyl-2-pentanone88trans-1,3-Dichloropropene934-Methyl-2-pentanone88trans-1,3-Dichloropropene934-Methyl-2-pentanone88trans-1,3-Dichloropropene934-Methyl-2-pentanone88trans-1,3-Dichloropropene934-Methyl-2-pentanone88trans-1,3-Dichloropropene934-Methyl-2-pentanone88trans-1,3-Dichloropropene934-Methyl-2-pentanone88trans-1,3-Dichloropropene911,2-Trichloroethan			00
Acetone     80       2-Propanol     86       Carbon Disulfide     84       3-Chloropropene     94       Methylene Chloride     84       Methylene Chloride     84       Methylene Chloride     88       Hexane     91       1,1-Dichloroethene     88       Hexane     91       2-Butanone (Methyl Ethyl Ketone)     82       cis: 1,2-Dichloroethene     86       Tetrahydrofuran     85       Choroform     81       1,1-1-Trichloroethane     84       Cyclohexane     88       Carbon Tetrachloride     82       2,2,4-Trimethylpentane     93       Benzene     83       1,2-Dichloroethane     76       1,2-Dichloropthane     76       1,2-Dichloropthane     93       Trichloroethane     77       Benzene     83       1,2-Dichloroptopane     84       cis-1,3-Dichloroptopene     93       4-Methyl-2-pentanone     93       Fridoluene     84	1,1-Dichloroethene		90
2-Propanol     86       Carbon Disulfide     84       3-Chloropropene     94       Methylene Chloride     84       Methyl tert-butyl ether     79       trans-1,2-Dichloroethene     88       Hexane     91       1,1-Dichloroethene     84       2-Butanone (Methyl Ethyl Ketone)     82       cis-1,2-Dichloroethene     86       Tetrahydrofuran     85       Chloroform     81       1,1.1-Trichloroethane     84       Cyclohexane     88       Carbon Tetrachloride     82       2,2,4-Trimethylpentane     83       1,2-Dichloroethane     78       Heptane     78       Heptane     78       Tichloroethene     76       1,2-Dichloropropene     87       1,4-Dioxane     87       1,4-Dioxane     77       Bromodichloromethane     84       cis-1,3-Dichloropropene     93       4-Methyl-2-pentanone     93       1,2-Dichloropropene     93       4-Methyl-2-pentanone	Acetone		80
Carbon Disultide843-Chloropropene94Methylene Chloride84Methyl tert-butyl ether79trans-1,2-Dichloroethene88Hexane911,1-Dichloroethane842-Butanone (Methyl Ethyl Ketone)82cis-1,2-Dichloroethene86Tetrahydrofuran85Chloroform811,1.1-Trichloroethane84Cyclohexane88Carbon Tetrachloride822,2,4-Trimethylpentane831,2-Dichloroethane78Heptane93Trichloroethane761,2-Dichloroptopene871,4-Dioxane871,2-Dichloroptopene93trichloroptopene93trichloroptopene93trichloroptopene93trichloroptopene93trichloroptopene93trichloroptopene941,2-Dichloroptopene93trichloroptopene93trichloroptopene93trichloroptopene93trichloroptopene94Toluene88trans-1,3-Dichloroptopene911,1,2-Trichloroethane81Tetrachloroptopene911,1,2-Trichloroptopene911,1,2-Trichloroptopene911,2-Dichloroptopene911,2-Dichloroptopene911,2-Dichloroptopene93trans-1,3-Dichloroptopene911,2-Dichloroptopene911,2-Trichloroethane <t< td=""><td>2-Propanol</td><td></td><td>80</td></t<>	2-Propanol		80
3Linoropropene94Methylene Chloride84Methyl tert-butyl ether79trans-1,2-Dichloroethene88Hexane911,1-Dichloroethane842-Butanone (Methyl Ethyl Ketone)82cis-1,2-Dichloroethene86Tetrahydrofuran85Chloroform811,1,1-Trichloroethane84Cyclohexane88Carbon Tetrachloride822,2,4-Trimethylpentane831,2-Dichloroethene78Heptane78Heptane761,2-Dichloroppane871,4-Dioxane871,4-Dioxane874-Methyl-2-pentanone93trans-1,3-Dichloroppene93trans-1,3-Dichloroppene911,1,2-Trichloroppene911,1,2-Trichloroppene911,2-Dichloroppene93trans-1,3-Dichloroppene911,2-Trichloroptene88trans-1,3-Dichloroppene911,2-Dichloroptene93trans-1,3-Dichloroppene911,2-Trichloroptene911,2-Trichloroptene81Tetrachloroptene911,2-Trichloroptene911,2-Trichloroptene81Tetrachloroptene911,2-Dichloroptene81Tetrachloroptene81Tetrachloroptene81Tetrachloroptene782-Hexanone81	Carbon Disulfide		84
Methylene Chloride     84       Methyl tert-butyl ether     79       trans-1,2-Dichloroethene     88       Hexane     91       1,1-Dichloroethane     84       2-Butanone (Methyl Ethyl Ketone)     82       cis-1,2-Dichloroethene     86       Tetrahydrofuran     86       Tetrahydrofuran     81       1,1,1-Trichloroethane     84       Cyclohexane     88       Carbon Tetrachloride     82       2,2,4-Trimethylpentane     83       1,2-Dichloroethane     78       Heptane     73       Trichloroethane     76       1,2-Dichloropethane     76       1,2-Dichloropethane     76       1,2-Dichloropethane     76       1,2-Dichloropethane     71       Promodichloromethane     84       cis-1,3-Dichloropethane     84       cis-1,3-Dichloropethane     93       1,4-Dioxane     77       Bromodichloromethane     84       cis-1,3-Dichloropropene     93       4-Methyl-2-pentanone     94	3-Chioropropene		94
Methyl terh-butyl ether79trans-1,2-Dichloroethene88Hexane911,1-Dichloroethane842-Butanone (Methyl Ethyl Ketone)82cis-1,2-Dichloroethene86Tetrahydrofuran85Chloroform811,1,1-Trichloroethane84Cyclohexane88Carbon Tetrachloride822,2,4-Trimethylpentane83Benzene831,2-Dichloroethane78Heptane78Heptane761,2-Dichloroptopane771,4-Dioxane84cis-1,3-Dichloroptopene934-Methyl-2-pentanone93trans-1,3-Dichloroptopene911,1,2-Trichloroethane84Toluene88trans-1,3-Dichloroptopene911,1,2-Trichloroethane81Tetrachloroethane812-Nextone812-Suchloroptopene912-Suchloroptopene812-Suchloroptopene812-Suchloroptopene812-Suchloroptopene813-Suchloroptopene813-Suchloroptopene813-Suchloroptopene813-Suchloroptopene813-Suchloroptopene813-Suchloroptopene813-Suchloroptopene813-Suchloroptopene813-Suchloroptopene813-Suchloroptopene813-Suchloroptopene813-Suchloroptopene813-Su	Methylene Chloride		84
trans-1,2-Dichloroethene     88       Hexane     91       1,1-Dichloroethane     84       2-Butanone (Methyl Ethyl Ketone)     82       cis-1,2-Dichloroethene     86       Tetrahydrofuran     85       Chloroform     81       1,1-Trichloroethane     84       Cyclohexane     84       Cyclohexane     82       Carbon Tetrachloride     82       2,2,4-Trimethylpentane     93       Benzene     83       1,2-Dichloropropane     78       Heptane     78       Heptane     77       Bromodichloromethane     84       cis-1,3-Dichloropropane     93       1,4-Dioxane     77       Bromodichloromethane     84       cis-1,3-Dichloropropene     93       4-Methyl-2-pentanone     93       Toluene     88       trans-1,3-Dichloropropene     94       Toluene     81       trans-1,3-Dichloropropene     91       1,1,2-Trichloroethane     81       Tetrachloroethane     <	Methyl tert-butyl ether		79
Hexane     91       1,1-Dichloroethane     84       2-Butanone (Methyl Ethyl Ketone)     82       cis-1,2-Dichloroethane     86       Tetrahydrofuran     85       Chlorooform     81       1,1-Trichloroethane     84       Cyclohexane     88       Carbon Tetrachloride     82       2,2,4-Trimethylpentane     93       Benzene     83       1,2-Dichloropethane     78       Heptane     78       Heptane     76       1,4-Dioxane     87       1,4-Dioxane     87       1,4-Dioxane     77       Bromodichloromethane     84       cis-1,3-Dichloropropene     93       4-Methyl-2-pentanone     93       4-Methyl-2-pentanone     94       Toluene     88       trans-1,3-Dichloropropene     91       1,1,2-Trichloroethane     81       Tetrachloroethane     81	trans-1,2-Dichloroethene		88
1,1-Dichloroethane842-Butanone (Methyl Ethyl Ketone)82cis-1,2-Dichloroethene86Tetrahydrofuran85Chloroform811,1,1-Trichloroethane84Cyclohexane88Carbon Tetrachloride822,2,4-Trimethylpentane93Benzene831,2-Dichloroethane78Heptane78Heptane761,2-Dichloroptopane871,4-Dioxane77Bromodichloromethane84cis-1,3-Dichloroptopene934-Methyl-2-pentanone94Toluene88trans-1,3-Dichloroptopene911,1,2-Trichloroethane78	Hexane		91
2-Butanone (Methyl Ethyl Ketone)     82       cis-1,2-Dichloroethene     86       Tetrahydrofuran     85       Chloroform     81       1,1,1-Trichloroethane     84       Cyclohexane     88       Carbon Tetrachloride     82       2,2,4-Trimethylpentane     83       1,2-Dichloroethane     83       1,2-Dichloroethane     78       Heptane     93       Trichloroethene     76       1,2-Dichloropropane     87       1,4-Dioxane     77       Bromodichloromethane     84       cis-1,3-Dichloropropene     93       4-Methyl-2-pentanone     93       1,1,2-Trichloropethane     93       4-Methyl-2-pentanone     94       Toluene     88       trans-1,3-Dichloropropene     91       1,1,2-Trichloroethane     81       Tetrachloroethane     81	1,1-Dichloroethane		84
cis-1,2-Dichloroethene86Tetrahydrofuran85Chloroform811,1,1-Trichloroethane84Cyclohexane88Carbon Tetrachloride822,2,4-Trimethylpentane93Benzene831,2-Dichloroethane78Heptane761,2-Dichloropropane871,4-Dioxane77Bromodichloromethane84cis-1,3-Dichloropropene934-Methyl-2-pentanone93Trable Nethyl-2-pentanone911,1,2-Trichloroethane81Tetrachloropethane81	2-Butanone (Methyl Ethyl Ketone)	)	82
Tetrahydrofuran85Chloroform811,1,1-Trichloroethane84Cyclohexane88Carbon Tetrachloride822,2,4-Trimethylpentane93Benzene831,2-Dichloroethane78Heptane93Trichloroethane761,2-Dichloroptopane871,4-Dioxane77Bromodichloromethane84cis-1,3-Dichloropropene934-Methyl-2-pentanone93Toluene88trans-1,3-Dichloropropene911,1,2-Trichloroethane81Tetrachloroethene782-Hexanone81	cis-1,2-Dichloroethene		86
Chloroform811,1,1-Trichloroethane84Cyclohexane88Carbon Tetrachloride822,2,4-Trimethylpentane93Benzene831,2-Dichloroethane78Heptane93Trichloroethene761,2-Dichloropropane871,4-Dioxane77Bromodichloromethane84cis-1,3-Dichloropropene934-Methyl-2-pentanone94Toluene88trans-1,3-Dichloropropene911,1,2-Trichloroethene782-Hexanone81	Tetrahydrofuran		85
1,1,1-Trichloroethane84Cyclohexane88Carbon Tetrachloride822,2,4-Trimethylpentane93Benzene831,2-Dichloroethane78Heptane78Trichloroethene761,2-Dichloropropane871,4-Dioxane77Bromodichloromethane84cis-1,3-Dichloropropene934-Methyl-2-pentanone94Toluene88trans-1,3-Dichloropropene911,1,2-Trichloroethane81Tetrachloroethene78	Chloroform		81
Cyclohexane88Carbon Tetrachloride822,2,4-Trimethylpentane93Benzene831,2-Dichloroethane78Heptane93Trichloroethene761,2-Dichloropropane871,4-Dioxane77Bromodichloromethane84cis-1,3-Dichloropropene934-Methyl-2-pentanone94Toluene88trans-1,3-Dichloropropene911,1,2-Trichloroethane81Tetrachloroethene782-Hexanone81	1,1,1-Trichloroethane		84
Carbon Tetrachloride822,2,4-Trimethylpentane93Benzene831,2-Dichloroethane78Heptane93Trichloroethene761,2-Dichloropropane871,4-Dioxane77Bromodichloromethane84cis-1,3-Dichloropropene934-Methyl-2-pentanone94Toluene88trans-1,3-Dichloropropene911,1,2-Trichloroethane81Tetrachloroethene782-Hexanone81	Cyclohexane		88
2,2,4-Trimethylpentane93Benzene831,2-Dichloroethane78Heptane93Trichloroethene761,2-Dichloropropane871,4-Dioxane77Bromodichloromethane84cis-1,3-Dichloropropene934-Methyl-2-pentanone94Toluene88trans-1,3-Dichloropropene911,1,2-Trichloroethane81Tetrachloroethene782-Hexanone81	Carbon Tetrachloride		82
Benzene831,2-Dichloroethane78Heptane93Trichloroethene761,2-Dichloropropane871,4-Dioxane87Bromodichloromethane84cis-1,3-Dichloropropene934-Methyl-2-pentanone94Toluene88trans-1,3-Dichloropropene911,1,2-Trichloroethane81Tetrachloroethene782-Hexanone81	2,2,4-Trimethylpentane		93
1,2-Dichloroethane78Heptane93Trichloroethene761,2-Dichloropropane871,2-Dichloropropane871,4-Dioxane77Bromodichloromethane84cis-1,3-Dichloropropene934-Methyl-2-pentanone94Toluene88trans-1,3-Dichloropropene911,1,2-Trichloroethane81Tetrachloroethene782-Hexanone81	Benzene		83
Heptane93Trichloroethene761,2-Dichloropropane871,4-Dioxane77Bromodichloromethane84cis-1,3-Dichloropropene934-Methyl-2-pentanone94Toluene88trans-1,3-Dichloropropene911,1,2-Trichloroethane81Tetrachloroethene782-Hexanone81	1,2-Dichloroethane		78
Trichloroethene761,2-Dichloropropane871,4-Dioxane77Bromodichloromethane84cis-1,3-Dichloropropene934-Methyl-2-pentanone94Toluene88trans-1,3-Dichloropropene911,1,2-Trichloroethane81Tetrachloroethene782-Hexanone81	Heptane		93
1,2-Dichloropropane871,4-Dioxane77Bromodichloromethane84cis-1,3-Dichloropropene934-Methyl-2-pentanone94Toluene88trans-1,3-Dichloropropene911,1,2-Trichloroethane81Tetrachloroethene782-Hexanone81	Trichloroethene		76
1,4-Dioxane77Bromodichloromethane84cis-1,3-Dichloropropene934-Methyl-2-pentanone94Toluene88trans-1,3-Dichloropropene911,1,2-Trichloroethane81Tetrachloroethene782-Hexanone81	1,2-Dichloropropane		87
Bromodichloromethane84cis-1,3-Dichloropropene934-Methyl-2-pentanone94Toluene88trans-1,3-Dichloropropene911,1,2-Trichloroethane81Tetrachloroethene782-Hexanone81	1,4-Dioxane		77
cis-1,3-Dichloropropene934-Methyl-2-pentanone94Toluene88trans-1,3-Dichloropropene911,1,2-Trichloroethane81Tetrachloroethene782-Hexanone81	Bromodichloromethane		84
4-Methyl-2-pentanone94Toluene88trans-1,3-Dichloropropene911,1,2-Trichloroethane81Tetrachloroethene782-Hexanone81	cis-1,3-Dichloropropene		93
Toluene88trans-1,3-Dichloropropene911,1,2-Trichloroethane81Tetrachloroethene782-Hexanone81	4-Methyl-2-pentanone		94
trans-1,3-Dichloropropene911,1,2-Trichloroethane81Tetrachloroethene782-Hexanone81	Toluene		88
1,1,2-Trichloroethane81Tetrachloroethene782-Hexanone81	trans-1,3-Dichloropropene		91
Tetrachloroethene782-Hexanone81	1,1,2-Trichloroethane		81
2-Hexanone 81	Tetrachloroethene		78
	2-Hexanone		81



### Client Sample ID: CCV Lab ID#: 1210554-05A EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	p102619	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 10/26/12 08:05 PM
Compound		%Recovery
Dibromochloromethane		81
1,2-Dibromoethane (EDB)		84
Chlorobenzene		84
Ethyl Benzene		91
m,p-Xylene		93
o-Xylene		95
Styrene		92
Bromoform		84
Cumene		94
1,1,2,2-Tetrachloroethane		83
Propylbenzene		89
4-Ethyltoluene		89
1,3,5-Trimethylbenzene		86
1,2,4-Trimethylbenzene		91
1,3-Dichlorobenzene		84
1,4-Dichlorobenzene		80
alpha-Chlorotoluene		105
1,2-Dichlorobenzene		83
1,2,4-Trichlorobenzene		76
Hexachlorobutadiene		83

		Method	
Surrogates	%Recovery	Limits	
Toluene-d8	104	70-130	
1,2-Dichloroethane-d4	94	70-130	
4-Bromofluorobenzene	103	70-130	



### Client Sample ID: LCS Lab ID#: 1210554-06A EPA METHOD TO-15 GC/MS FULL SCAN

File Name: Dil. Factor:	p102621 1 00	Date of Collection: NA Date of Analysis: 10/26/12 08:57 PM
	1.00	
Compound		%Recovery
Freon 12		85
Freon 114		88
Chloromethane		89
Vinyl Chloride		92
1,3-Butadiene		86
Bromomethane		91
Chloroethane		93
Freon 11		82
Ethanol		60 Q
Freon 113		86
1,1-Dichloroethene		101
Acetone		84
2-Propanol		90
Carbon Disulfide		111
3-Chloropropene		117
Methylene Chloride		87
Methyl tert-butyl ether		74
trans-1,2-Dichloroethene		103
Hexane		100
1,1-Dichloroethane		88
2-Butanone (Methyl Ethyl Ketone	2)	84
cis-1,2-Dichloroethene		92
Tetrahydrofuran		86
Chloroform		86
1,1,1-Trichloroethane		90
Cyclohexane		94
Carbon Tetrachloride		87
2,2,4-Trimethylpentane		97
Benzene		87
1,2-Dichloroethane		80
Heptane		96
Trichloroethene		79
1,2-Dichloropropane		90
1,4-Dioxane		77
Bromodichloromethane		
cis-1,3-Dichloropropene		98
4-Methyl-2-pentanone		94
Toluene		90
trans-1,3-Dichloropropene		97
1,1,2-Trichloroethane		85
Tetrachloroethene		81
2-Hexanone		81



### Client Sample ID: LCS Lab ID#: 1210554-06A EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	p102621	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 10/26/12 08:57 PM
Compound		%Recovery
Dibromochloromethane		84
1,2-Dibromoethane (EDB)		90
Chlorobenzene		89
Ethyl Benzene		95
m,p-Xylene		99
o-Xylene		99
Styrene		96
Bromoform		86
Cumene		98
1,1,2,2-Tetrachloroethane		89
Propylbenzene		95
4-Ethyltoluene		92
1,3,5-Trimethylbenzene		89
1,2,4-Trimethylbenzene		94
1,3-Dichlorobenzene		89
1,4-Dichlorobenzene		85
alpha-Chlorotoluene		109
1,2-Dichlorobenzene		89
1,2,4-Trichlorobenzene		83
Hexachlorobutadiene		89

### Q = Exceeds Quality Control limits.

		Method	
Surrogates	%Recovery	Limits	
Toluene-d8	103	70-130	
1,2-Dichloroethane-d4	94	70-130	
4-Bromofluorobenzene	102	70-130	



### Client Sample ID: LCSD Lab ID#: 1210554-06AA EPA METHOD TO-15 GC/MS FULL SCAN

File Name: Dil. Factor:	p102622 1.00	Date of Collection: NA Date of Analysis: 10/26/12 10:08 PM
Compound		%Recovery
Freon 12		87
Freon 114		91
Chloromethane		97
Vinyl Chloride		96
1,3-Butadiene		87
Bromomethane		94
Chloroethane		95
Freon 11		84
Ethanol		61 Q
Freon 113		88
1,1-Dichloroethene		101
Acetone		85
2-Propanol		92
Carbon Disulfide		115
3-Chloropropene		114
Methylene Chloride		87
Methyl tert-butyl ether		76
trans-1,2-Dichloroethene		106
Hexane		103
1,1-Dichloroethane		91
2-Butanone (Methyl Ethyl Ketone)		87
cis-1,2-Dichloroethene		93
Tetrahydrofuran		87
Chloroform		88
1,1,1-Trichloroethane		92
Cyclohexane		96
Carbon Tetrachloride		89
2,2,4-Trimethylpentane		98
Benzene		88
1,2-Dichloroethane		82
Heptane		98
Trichloroethene		80
1,2-Dichloropropane		92
1,4-Dioxane		80
Bromodichloromethane		90
cis-1,3-Dichloropropene		99
4-Methyl-2-pentanone		92
Toluene		91
trans-1,3-Dichloropropene		95
1,1,2-Trichloroethane		84
Tetrachloroethene		80
2-Hexanone		80



### Client Sample ID: LCSD Lab ID#: 1210554-06AA EPA METHOD TO-15 GC/MS FULL SCAN

File Name: Dil. Factor:	p102622 1.00	Date of Collection: NA Date of Analysis: 10/26/12 10:08 PM	
Compound		%Recovery	
Dibromochloromethane		84	
1,2-Dibromoethane (EDB)		88	
Chlorobenzene		88	
Ethyl Benzene		94	
m,p-Xylene		98	
o-Xylene		99	
Styrene		96	
Bromoform		86	
Cumene		97	
1,1,2,2-Tetrachloroethane		88	
Propylbenzene		94	
4-Ethyltoluene		88	
1,3,5-Trimethylbenzene		88	
1,2,4-Trimethylbenzene		92	
1,3-Dichlorobenzene		87	
1,4-Dichlorobenzene		83	
alpha-Chlorotoluene		109	
1,2-Dichlorobenzene		86	
1,2,4-Trichlorobenzene		80	
Hexachlorobutadiene		85	

### Q = Exceeds Quality Control limits.

,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		Method Limits																		
Surrogates	%Recovery																			
Toluene-d8	103	70-130																		
1,2-Dichloroethane-d4	94	70-130																		
4-Bromofluorobenzene	101	70-130																		
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# DATA USABILITY SUMMARY REPORT

# LUDLOW FORMER MGP SITE

# SUPPLEMENTAL REMEDIAL INVESTIGATION

Prepared For:



# CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.

31-01 20<sup>th</sup> Avenue Long Island City, NY 11105

Prepared By:

# PARSONS

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**FEBRUARY 2013** 

PARSONS

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# LIST OF ATTACHMENTS

### ATTACHMENT A VALIDATED LABORATORY DATA

#### ATTACHMENT A-1 VALIDATED LABORATORY DATA FOR SOIL SAMPLES

### ATTACHMENT A-2 VALIDATED LABORATORY DATA FOR GROUNDWATER SAMPLES

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# **SECTION 1**

# DATA USABILITY SUMMARY

Soil and groundwater samples were collected from the Consolidated Edison Ludlow Street Site from October 25, 2012 through December 21, 2012. 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 16-27 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 seven 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, and comparability (PARCC) 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,
- "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, laboratory control sample recoveries, internal standard responses, and field duplicate precision. Certain reported VOC analytical results were considered unusable and qualified "R" based upon poor instrument calibration linearity and internal standard responses. The reported VOC analytical results were 98.8% and 100% complete (i.e., usable) for the soil and groundwater data, respectively. PARCC 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 matrix spike/matrix spike duplicate precision and accuracy, laboratory control sample recoveries, instrument calibrations, and internal standard responses. The reported SVOC analytical results were 100% complete (i.e., usable) for the soil and groundwater data. PARCC 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 analytical methods. Certain reported results for the inorganics samples were qualified as estimated based upon matrix spike recoveries, serial dilutions, laboratory duplicate precision, and field duplicate precision. The reported inorganic analytical results were considered 100% complete (i.e., usable) for the soil and groundwater data. PARCC 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 three sample delivery groups (SDGs): D4710, D4751, and D5300. 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, LCS recoveries, blank contamination, initial and continuing calibrations, internal standard responses, and field duplicate precision 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 many precision outliers during the spiked analyses of sample MW-7(48-50). Validation qualification of the parent sample was not required since the MS/MSD accuracy measurements were within criteria.

### LCS Recoveries

All LCS recoveries associated with project samples were considered acceptable and within QC limits with the exception of the high LCS recoveries for methylene chloride (140%R, 175%R; QC limit 73-134%R) associated with all samples in SDG D4710 except SB-10(45-47); the high LCS recovery for acetone (160%R; QC limit 57-148%R) associated with sample SB-12(12-14); the low LCS recovery for bromochloromethane (75%R; QC limit 76-123%R) associated with all samples in SDG D4751 except SB-12(12-14); the high LCS recoveries for 1,2,4-trichlorobenzene (135%R; QC limit 65-130%R) and 1,2,3-trichlorobenzene (140%R; QC limit 60-135%R) associated with samples SB-16(45-47), SB-14(45-47), SB-14A(45-47), and SB-17(33-35); the low LCS recovery for 1,2,3-trichlorobenzene (70%R; QC limit 79-123%R) and the high LCS recovery for bromomethane (140%R; QC limit 64-136%R) associated with samples SB-14(38-40) and SB-17(45-47). Therefore, positive results for those compounds where the LCS recovery exceeded the QC limit were considered estimated, possibly biased high, and qualified "J" for the affected samples. Results for those compounds where the LCS recovery fell below the QC limit were considered estimated, possibly biased high, and qualified "J" and nondetected results qualified "UJ" for the affected samples.

### **Blank Contamination**

The laboratory method blanks associated with samples in SDGs D4710 and D4751 contained methylene chloride at concentrations ranging from 4.6 to 9.5  $\mu$ g/kg. Therefore, all methylene chloride results less than validation action concentrations were considered not detected and qualified "U" for the affected samples.

# Initial and Continuing Calibrations

All initial calibration compounds were compliant with a minimum relative response factor (RRF) of 0.05 and a maximum percent relative standard deviation (%RSD) of 20% with the exception of methylene chloride (24.8%RSD) and 1,2,3-trichlorobenzene (21.3%RSD) in the initial calibration associated with samples SB-14(38-40) and SB-17(45-47); carbon tetrachloride (36.9%RSD) in the initial calibration associated with samples SB-14(38-40), and bromoform (34.5%RSD) in the initial calibration associated with samples SB-16(30-33) and –DL; and 1,4-dioxane (31.3%RSD) and 1,2-dibromo-3-chloropropane (RRF=0.048) in the initial calibration associated with samples SB-16(45-47), SB-14(45-47), SB-14A(45-47), and SB-17(33-35). The results for these compounds were considered estimated with positive results qualified "J" and nondetected results qualified "UJ" for the affected samples. However, the results for those compounds where the RRF was outside the criteria which were nondetects were considered unusable and qualified "R" 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 methylene chloride (32.39%D, 38.81%D, 77.31%D) in the continuing calibrations associated with samples in SDG

D4710; methylene chloride (38.36%D) and 1,2-dibromo-3-chloropropane (-20.25%D) in the continuing calibration associated with all samples in SDG D4751 except SB-11(29.5-30), SB-12(12-14), "RE" samples, and "DL" samples; acetone (20.36%D) and methylene chloride (21.19%D) in the continuing calibration associated with samples SB-11(29.5-30), MW-8(9.5-10)RE, and TP-6FLOORRE; chloroethane (30.46%D), acetone (45.68%D), methyl acetate (38.82%D), and 2-hexanone (21.05%D) in the continuing calibration associated with sample SB-12(12-14); bromomethane (49.57%D) and methylene chloride (-20.25%D) in the continuing calibration associated with samples SB-14(38-40) and SB-17(45-47); 2-butanone (20.99%D) and 1,4-dioxane (50%D) in the continuing calibration associated with samples SB-16(30-33) and -DL; dichlorodifluoromethane (-20.07%D), dibromochloromethane (21.33%D), and 1,2,4trichlorobenzene (26.25%D) in the continuing calibration associated with samples SB-16(45-47), SB-14(45-47), SB-14A(45-47), and SB-17(33-35); and bromomethane (68.79%D), carbon tetrachloride (65.34%D), and 1,4-dioxane (-33.33%D) in the continuing calibration associated with FB122112. Therefore, the sample results for these compounds were considered estimated with positive results qualified "J" and nondetected results qualified "UJ" for the affected samples.

#### Internal Standard Responses

All internal standard (IS) responses and retention times were within specified QC ranges based on associated calibration standards (i.e., sample's area count within -50% to +100% and retention times within  $\pm 0.5$  minutes of the standard) with the exception of the low response for the IS pentafluorobenzene in sample SB-10(30-32)DL; low response for the IS chlorobenzene-d5 in samples SB-9(5-8), TP-6FLOOR, and -RE; low response for the IS 1,4-difluorobenzene-d4 in samples SB-9(5-8), -RE, MW-17(36-38), MW-7(36-38), MW-8(9.5-10), and -RE; and the extremely low response for the IS 1,4-difluorobenzene-d4 in samples SB-10(30-32), TP-6FLOOR, and -RE. Therefore, results associated with these ISs were considered estimated, possibly biased low, with positive results qualified "J" and nondetected results qualified "UJ" for the affected samples. However, nondetected results associated with those ISs that experienced extremely low responses were considered unusable and qualified "R" for the affected samples.

#### Field Duplicate Precision

All field duplicate precision results were considered acceptable with the exception of the precision results for cyclohexane (153%RPD) and methylcyclohexane (128%RPD) for the field duplicate pair MW-7(36-38) and MW-17(36-38). Therefore, the results for these compounds were considered estimated and qualified "J" for these samples.

#### <u>Usability</u>

All volatile soil sample results were considered usable following data validation with the exception of certain nondetected results based upon poor instrument calibration linearity and internal standard responses.

#### Summary Summary

The quality assurance objectives for measurement data included considerations for precision, accuracy, representativeness, completeness, and comparability. The volatile soil data presented

by Chemtech were 98.8% 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 MS/MSD precision and accuracy, LCS recoveries, 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 limits for designated spiked project samples with the exception of the high MS/MSD accuracy results for hexachlorocyclopentadiene (130%R/130%R; QC limit 10-122%R) during the spiked analyses of sample MW-7(48-50). Validation qualification of the parent sample was not required since this compound was not detected.

# LCS Recoveries

All LCS recoveries were considered acceptable and within QC limits with the exception of the high LCS recoveries for 2-nitrophenol (106%R; QC limit 52-105%R), hexachlorocyclopentadiene (161%R; QC limit 38-122%R), 2,4,6-trichlorophenol (106%R; QC limit 56-103%R), acenaphthene (106%R; QC limit 57-102%R), benzo(b)fluoranthene (106%R; QC limit 56-103%R), benzo(a)pyrene (112%R; QC limit 57-103%R), and benzo(g,h,i)perylene (106%R; QC limit 56-105%R) associated with samples in SDG D4710; the LCS recoveries for 4-chloroaniline (16%R; QC limit 25-115%R) and hexachlorocyclopentadiene (142%R;43-

112%R) associated with samples SDG D4751; the LCS recoveries for in hexachlorocyclopentadiene (27%R; QC limit 38-122%R), 2,4-dinitrophenol (15%R; QC limit 32-114%R), and 4,6-dinitro-2-methylphenol (18%R; QC limit 44-119%R) associated with soil samples in SDG D5300; and the LCS recovery for hexachlorocyclopentadiene (130%R; QC limit 42-121%R) associated with sample FB122112. Therefore, results for those compounds where LCS recoveries fell below the QC limit were considered estimated, possibly biased low, with positive results qualified "J" and nondetected results qualified "UJ" for the affected samples. Positive results for those compounds where the LCS recovery exceeded the QC limit were considered estimated, possibly biased high, and qualified "J" for the affected samples.

#### Initial and Continuing Calibrations

All initial calibration compounds were compliant with a minimum relative response factor (RRF) of 0.05 and a maximum percent relative standard deviation (%RSD) of 20% with the exception of 2,4-dinitrophenol (62.5%RSD) and 4,6-dinitro-2-methylphenol (39.2%RSD) in the initial calibration associated with all samples in SDG D4751 except SB-11(29.5-30), MW-8(24.5-25), and MW-9(35-35.5); 2,4-dinitrophenol (24.5%RSD) in the initial calibration associated with samples SB-11(29.5-30), MW-8(24.5-25), and MW-9(35-35.5); and 2,4-dinitrophenol (38.1%RSD) and 4,6-dinitro-2-methylphenol (23.6%RSD) in the initial calibration associated with samples in SDG D5300. The results for these compounds were considered estimated with positive results qualified "J" and nondetected results 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 2,4-dinitrophenol (86.5%D) and 4,6-dinitro-2-methylphenol (21.7%D) in the continuing calibration associated with sample SB-12(36-38). Therefore, results for these compounds which were nondetects were considered estimated and qualified "UJ" for this sample.

#### **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, and comparability. 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, and serial dilutions as discussed below.

#### **Blank Contamination**

The field equipment blank FB122112 associated with samples in SDG D5300 contained chromium, iron, and potassium at concentrations of 21.3, 551, and 1190  $\mu$ g/L, respectively. Therefore, all results for these analytes less than the validation action concentrations were considered not detected and qualified "U" for the affected samples.

#### 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 low MS recoveries for antimony (52.1% R, 51.2% R, 74.1% R, 74.3% R) associated with all soil samples in SDGs D4751 and D5300. Therefore, results for antimony were considered estimated, possibly biased low, with positive results qualified "J" and nondetected results qualified "UJ" for the affected samples since MS recoveries fell below the QC limit.

#### **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 chromium (15.8%D) and copper (12.5%D) associated with samples in SDG D4710; aluminum (14.8%D), arsenic (17%D), barium (12%D), calcium (14.3%D), chromium (18.9%D), copper (23.4%D), magnesium (16.2%D), manganese (30.3%D), potassium (12.8%D), sodium (14%D), and vanadium (19.4%D) associated with samples in SDG D4751; and aluminum (13.9%D), barium (25.1%D), calcium (28.9%D), chromium (26.6%D), iron (13.9%D), magnesium (23.8%D), manganese (29.1%D), potassium (25.2%D), and zinc (15.4%D) associated with soil samples in

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SDG D5300. Therefore, positive results for these analytes were considered estimated and qualified "J" for the affected samples.

#### **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, and comparability. 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 groups (SDGs): D4947. 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 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 limits for designated project spiked samples with the exception of the high accuracy results for carbon tetrachloride (150%R/140%R; QC limit 60-140%R) during the spiked analyses of sample MW-9. Since this compound was not detected in the unspiked parent sample, validation qualification was not required.

#### **Blank Contamination**

The field equipment blank FB112712 associated with groundwater samples contained carbon disulfide and methylene chloride at concentrations of 2 and 4.3  $\mu$ g/L, respectively. Since these compounds were not detected in the project samples, validation qualification was not required.

#### Initial and Continuing Calibrations

All initial calibration compounds were compliant with a minimum relative response factor (RRF) of 0.05 and a maximum percent relative standard deviation (%RSD) of 20% with the exception of acetone (20.4%RSD), chloromethane (21.6%RSD), bromomethane (21.4%RSD), carbon tetrachloride (67.5%RSD), dibromochloromethane (21.9%RSD), and bromoform (27.8%RSD) in the initial calibration associated with all samples except MW-4, -7DL, and -3DL. The results for these compounds were considered estimated with positive results qualified "J" and nondetected results 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 methyl acetate (20.78%D), carbon tetrachloride (45.25%D), bromodichloromethane (21.58%D), 4-methyl-2-pentanone (20.34%D), trans-1,3-dichloropropene (23.81%D), dibromochloromethane (30.94%D), bromoform (43.33%D), and 1,4-dioxane (33.33%D) in the continuing calibration associated with all groundwater samples except MW-4, -3DL, and -7DL. Therefore, the sample results for these compounds were considered estimated with positive results qualified "J" and nondetected results 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, and comparability. 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, LCS recoveries, initial and continuing calibrations, and internal standard responses 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 2,3,4,6-tetrachlorophenol (85%R/86%R; QC limit 91-111%R) during the spiked analyses of sample MW-9. Therefore, the nondetected result for this compound was considered estimated, possibly biased low, and qualified "UJ" for the parent sample.

#### LCS Recoveries

All LCS recoveries were considered acceptable and within QC limits with the exception of the high LCS recoveries for 2-methylphenol (100%R; QC limit 32-94%R), 3+4-methylphenols (99%R; QC limit 24-91%R), hexachlorocyclopentadiene (150%R; QC limit 42-121%R), and 1,2,4,5-tetrachlorobenzene (106%R; QC limit 60-105%R) associated with all groundwater samples. Validation qualification of the groundwater samples was not required since these compounds were not detected.

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#### Initial and Continuing Calibrations

All initial calibration compounds were compliant with a minimum relative response factor (RRF) of 0.05 and a maximum percent relative standard deviation (%RSD) of 20% with the exception of 2,4-dinitrophenol (43.3%RSD, 34.8%RSD) and 4,6-dinitro-2-methylphenol (25.1%RSD, 23.4%RSD) in the initial calibrations associated with all samples. 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 2,4-dinitrophenol (34.4%D) and 4,6-dinitro-2-methylphenol (23.6%D) in the continuing calibration associated with samples MW-7, 18, -8, -1, and -9; and 2,4-dinitrophenol (21.6%D) in the continuing calibration associated with sample FB112712. Therefore, the sample results for these compounds which were nondetects were considered estimated and qualified "UJ" for the affected samples.

#### Internal Standard Responses

All internal standard (IS) responses and retention times were within specified QC ranges based on associated calibration standards (i.e., sample's area count within -50% to +100% and retention times within  $\pm 0.5$  minutes of the standard) with the exception of the low responses for the ISs acenaphthene-d10 and phenanthrene-d10 in sample MW-3. Therefore, results associated with these ISs were considered estimated, possibly biased low, with positive results qualified "J" and nondetected results qualified "UJ" for the affected sample.

#### **Usability**

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

#### <u>Summary</u>

The quality assurance objectives for measurement data included considerations for precision, accuracy, representativeness, completeness, and comparability. 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, laboratory duplicate precision, field duplicate precision, and serial dilutions as discussed below.

# Blank Contamination

The field equipment blank FB112712 associated with the groundwater samples contained aluminum, chromium, iron, nickel, potassium, sodium, and zinc at concentrations of 61.4, 25.7, 161, 10.5, 763, 17,600, and 14  $\mu$ g/L, respectively. Therefore, all results for these analytes less than the validation action concentrations were considered not detected and qualified "U" for the affected samples.

# Laboratory Duplicate Precision

All laboratory duplicate precision results were considered acceptable with precision results less than 20%RPD for all analytes with the exception of aluminum (33.5%RPD), antimony (20.7%RPD), barium (42.8%RPD), beryllium (23.6%RPD), calcium (45.7%RPD), chromium (42.1%RPD), copper (24.1%RPD), iron (43.2%RPD), magnesium (46.1%RPD), manganese (40.5%RPD), potassium (29%RPD), silver (23.6%RPD), sodium (28.7%RPD), thallium (26.6%RPD), vanadium (36.3%RPD), and zinc (82.8%RPD) associated with all groundwater samples. Therefore, the results for these analytes were considered estimated with positive results qualified "J" and nondetected results qualified "UJ" for the affected samples.

# Field Duplicate Precision

All field duplicate precision results were considered acceptable for the field duplicate pair MW-8 and MW-18 with the exception of the precision for aluminum (133%RPD), arsenic (104%RPD), cobalt (99%RPD), copper (96%RPD), iron (133%RPD), lead (111%RPD), nickel (52%RPD), vanadium (117%RPD), and zinc (99%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 manganese

(11.7%D) and sodium (74.6%D) associated with groundwater samples. Therefore, positive results for these analytes were considered estimated and qualified "J" for the affected samples.

#### **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, and comparability. 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

Core Ed-Ladow Site         Leaston ID.         MW-7         MW-7         MW-7         MW-8           SDGE D47(0, D175), D3500         Ed.Sample ID:         MX7763-38)         MX7764-38)         MX748500         MX95.510)           SDGE D47(0, D175), D3500         Ed.Sample ID:         MX716-38)         MX748500         MX95.510)         D4710.44					Dup of MW-7(36-38)		
Values         Sample ID: Degla:         MW-726-830 (35.05 M710-03 (35.35 M1)         MW-726-830 (35.35 M1) <th< th=""><th>Con Ed - Lud</th><th>low Site</th><th>Location ID:</th><th>MW- 7</th><th>MW- 7</th><th>MW- 7</th><th>MW-8</th></th<>	Con Ed - Lud	low Site	Location ID:	MW- 7	MW- 7	MW- 7	MW-8
SDGL D470, D1751, D3300         La Sample la D470, D07         D1710, D1         D1710, D1         D1710, D1         D1751, D3           SUGL D470, D1751, D3300         La Sample la Succe:         CTECH	Validated Soi	Analytical Data	Sample ID:	MW-7(36-38)	MW-17(36-38)	MW-7(48-50)	MW-8(9.5-10)
Data Define efine DefineDefine Define Define Define Define Define Define Defi	SDGs: D4710	D1751 D5300	Lab Sample Id:	D4710-03	D4710-09	D4710-04	D4751-03
Some:         CTECH         CTECH <th< td=""><td>5003. 04/10</td><td>, 51751, 55500</td><td>Dapth:</td><td>26 38 ft</td><td>26 38 ft</td><td>48 50 ft</td><td>0.5 10 ft</td></th<>	5003. 04/10	, 51751, 55500	Dapth:	26 38 ft	26 38 ft	48 50 ft	0.5 10 ft
SRG.         DPT/10         DPT/10         DPT/10         DPT/10         DPT/10         DPT/10         SOIL           Sampled         1026/2012 9-10         1026/2012 9-10         1026/2012 9-10         1026/2012 9-10         1026/2012 9-10         1026/2012 9-10         1026/2012 9-10         1026/2012 9-10         1026/2012 9-10         1/23/2013         1/23/2013         1/23/2013         1/23/2013         1/23/2012 9-10			Source:	CTECH	CTECH	CTECH	CTECH
Name         Soft         Soft <th< td=""><td></td><td></td><td>Source.</td><td>D4710</td><td>D4710</td><td>D4710</td><td>D4751</td></th<>			Source.	D4710	D4710	D4710	D4751
Sample         Sample         102.2013 9.10         102.2014 9.10         102.2013 9.10			SDG:	D4/10	D4/10	D4/10	D4/51
Stamper:         1002.012.910         1002.012.913         1002.012.913         1022.0013         11222013         1122017         11210         0150         11210         0150         11210         0150         11210         1101         0150         1110         0150         1110         0150         1110         0150         1110         0150         0160				50IL	SOIL	SOIL	SOIL
CAS NO.         CONDUCTO         UDDATES         D22/013         <			Sampled:	10/26/2012 9:10	10/26/2012 9:15	10/26/2012 9:20	11/6/2012 14:15
CAS 80         COMPOLYD         UNTS:         U         III         U         U         U           55-55         DILLIATETERACHLOROETHANE         ugkg         2.8 U         0.5 U         1.6 U         1.5 U         1.6 U         1.8 U         1.0 U         0.5 U         0.6 U         0.5 U         0.6 U         0.5 U         1.1 U         0.5 U         0.6 U         0.5 U <td< td=""><td></td><td></td><td>Validated:</td><td>1/23/2013</td><td>1/23/2013</td><td>1/23/2013</td><td>1/23/2013</td></td<>			Validated:	1/23/2013	1/23/2013	1/23/2013	1/23/2013
MOANLING         USA         11         U         0.06         U         1.1         U         0.06         U         1.1         U         0.06         U         0.07         U         0.07         U         0.07         U         0.07         U         0.07         U         0.07	CAS NO.	COMPOUND	UNITS:				
$\begin{array}{cccccccccccccccccccccccccccccccccccc$		VOLATILES	4				
Phase         L1.22-TERACHLOROETHANE         ugkg         2.8 U         0.55 U         0.55 U         0.65 U           Prids         L1.21TRCHLOROFTHANE         ugkg         5.6 U         1.1 U         0.96 U         1.1 U           Prids         L1.21TRCHLOROFTHANE         ugkg         5.6 U         1.1 U         0.96 U         1.1 U           Stat         L1.DUCHLOROFTINE         ugkg         5.1 U         1.3 U         0.6 U         0.65 U           Stat         L1.DUCHLOROFTINE         ugkg         3.1 U         0.6 U         0.65 U         0.61 U           Stat         L2.ATRCHLOROBENZENE         ugkg         4.1 U         0.7 U <td>71-55-6</td> <td>1,1,1-TRICHLOROETHANE</td> <td>ug/kg</td> <td>5.4 U</td> <td>1.1 U</td> <td>0.96 U</td> <td>1.1 U</td>	71-55-6	1,1,1-TRICHLOROETHANE	ug/kg	5.4 U	1.1 U	0.96 U	1.1 U
76.15.1       1.1.2-TRICHLOROFITANE       ugkg       8.2 U       1.6 U       1.5 U       1.6 U         72-36.3       1.1.DICHLOROFITANE       ugkg       5.8 U       1.1 U       0.9 U       1.1 U         72-35.4       1.1.DICHLOROFITANE       ugkg       5.8 U       1.1 U       0.9 U       0.5 U       0.6 U         76.15.1       1.2.3-TRCHLOROFITANE       ugkg       3.1 U       0.9 U       0.5 U       0.6 U       0.9 U       0.7 U       0.8 U       0.2 U       0.8 U       0.2 U       0.8 U<	79-34-5	1,1,2,2-TETRACHLOROETHANE	ug/kg	2.8 UJ	0.55 UJ	0.5 U	0.56 UJ
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	76-13-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/kg	8.2 U	1.6 U	1.5 U	1.6 U
75-34         1.1-DICHLOROETHANE         ugkg         5.8 U         1.1 U         1.0 U         1.1 U           87-61-6         1.2.3-TRICHLOROBENZENE         ugkg         3.1 U         0.6 UU         0.55 U         0.61 UI           108-21         1.2.4-21         1.2.4-21         0.4.4 UU         0.76 U         0.76 U         0.86 UU           96128         1.2-DIBROMCHARKE (ETHYLENE DIBROMIDE)         ugkg         4.4 U         0.77 U         0.77 U         0.77 U         0.77 U         0.78 U         0.78 U           97-56-1         1.2-DIGHLOROBENZENE         ugkg         3.8 UU         0.75 UU         0.68 U         0.76 U         0.78 U         0.78 U         0.78 U         0.78 U         0.78 U         0.77 U         0.70 U         0.78 U         0.78 U         0.78 U         0.78 U         0.72 U         0.78 U         0.78 U         0.72 U         0.72 U         0.78 U         0.72 U         0.78 U         0.72 U<	79-00-5	1,1,2-TRICHLOROETHANE	ug/kg	5.6 U	1.1 U	0.98 U	1.1 U
7:35-4       1.1-DICHLOROETHENE       ug/sg       9.1 U       1.8 U       1.6 U       1.8 U         120-82-1       1.2.4-TRICHLOROBENZENE       ug/sg       4.3 UJ       0.6 U       0.65 U       0.66 UJ         120-82-1       1.2.4-TRICHLOROBENZENE       ug/sg       4.3 UJ       0.7 U       0.7 U       0.7 U       0.85 U         106-91-4       1.2.DBROMO-CHLOROPEOANE       ug/sg       4.0 U       0.7 U       0.7 U       0.7 U       0.7 U       0.8 U         106-91-4       1.2.DBROMO-CHLOROPETANE       ug/sg       4.0 U       0.7 U <td>75-34-3</td> <td>1,1-DICHLOROETHANE</td> <td>ug/kg</td> <td>5.8 U</td> <td>1.1 U</td> <td>1 U</td> <td>1.1 U</td>	75-34-3	1,1-DICHLOROETHANE	ug/kg	5.8 U	1.1 U	1 U	1.1 U
87-61-6       1.2.3-TRICHLOROBENZENE $ugkg$ 3.1 UJ       0.6 UJ       0.55 U       0.61 UJ         108-32-1       1.2.4-TRICHLOROBENZENE $ugkg$ 4.3 UJ       0.84 UJ       0.76 U       0.76 U       0.86 UJ         9612-8       1.2.DBROMOGTHANE (ETHYLENE DBROMDE) $ugkg$ 4.4 U       0.77 U       0.67 U       0.70 U       0.78 U         97-50-1       1.2.DICHLOROGENZENE $ugkg$ 3.8 UJ       0.75 UJ       0.66 UJ       0.76 UJ         107-62-2       1.2.DICHLOROGENZENE $ugkg$ 1.6 U       0.31 U       0.4 UJ       0.4 UJ       0.45 UJ       0.77 U       0.70 U       0.70 U       0.78 UJ         107-62-2       1.2.DICHLOROGENZENE $ugkg$ 2.5 UJ       0.4 UJ       0.4 U       0.4 U       0.4 U       0.4 U       0.4 U       0.4 U       0.5 UJ       0.5 U       0.5 U       0.5 U       0.5 U       0.5 U       0.5 U       0.6 U       0.7 U       3.5 U       0.6 U       0.7 U       3.5 U	75-35-4	1,1-DICHLOROETHENE	ug/kg	9.1 U	1.8 U	1.6 U	1.8 U
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	87-61-6	1,2,3-TRICHLOROBENZENE	ug/kg	3.1 UJ	0.6 UJ	0.55 U	0.61 UJ
96-12.8         1.2-DIRGNOCT-SCHLOROPROPANE         ug/kg         5.4 U         0.77 U         0.078 U         0.77 U           016-93.4         1.2-DIRGLOROPERMANE (ETHYLENE DIBROMIDE)         ug/kg         3.8 U         0.77 U         0.78 U         0.77 U         0.78 U           057-05.1         1.2-DICHLOROPERMANE         ug/kg         3.8 U         0.77 U         0.78 U         0.78 U           07-06.2         1.2-DICHLOROPERMANE         ug/kg         1.6 U         0.31 U         0.44 UI         0.44 UI         0.44 UI         0.45 U         0.51 U           123-91.1         1.4-DICKLOROPERZENE         ug/kg         2.10 U         0.49 UI         0.45 U         0.5 U         0.60 U           51-78-6         2-HEXANONE         ug/kg         7100 J         5300         1.3 J         2.3 J           71-45.2         BENZENE         ug/kg         7100 J         5300         1.3 J         2.3 J           71-45.3         BROMOCHLOROMETHANE         ug/kg         3.8 U         0.75 U         0.68 U         0.77 U           75-55         RAMOFORM         ug/kg         4.6 U         0.89 U         0.81 U         0.9 U           75-55-0         CARBON DISULFIDE         ug/kg         6.5 U         1.3 J	120-82-1	1,2,4-TRICHLOROBENZENE	ug/kg	4.3 UJ	0.84 UJ	0.76 U	0.86 UJ
106-93-4         1.2-DIBROMOETHANE CIFTYLENE DIBROMIDE)         ug/kg         4.U         0.77         U         0.78         U         0.76         U         0.76         U         0.76         U         0.76         U         0.76         U         0.76         U         0.78         U         0.78         U         0.75         U         0.78         U         0.78         U         0.71         0.70         0.78         U         0.71         0.70         0.78         U         0.71         0.71         0.72         0.78         U         0.71         0.71         0.70         0.78         U         0.71         0.71         0.72         0.78         U         0.71         0.71         0.71         0.71         0.71         0.71         0.72         0.71	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	ug/kg	5.4 UJ	1 UJ	0.95 U	1.1 UJ
95-50-11.2-DICHLORDENZENEug/kg3.8 U0.75 UJ0.68 U0.76 UJ107-66-21.2-DICHLOROPROPANEug/kg4.4 U0.77 U0.78 U0.32 U78-87-51.2-DICHLOROPROPANEug/kg2.3 UJ0.44 UJ0.44 U0.45 UJ106-671.4-DICHLOROBENZENEug/kg2.3 UJ0.49 UJ0.45 U0.5 UJ106-671.4-DICANCPORDENZENEug/kg310 U60 U55 U60 U591-78-62.HEXANONEug/kg24 U4.7 U4.3 U4.8 U67-64-1ACETONEug/kg710 J53001.3 J2.3 J71-45-2BENZENEug/kg710 J53000.68 U0.76 U75-27-4BROMOCHLOROMETHANEug/kg4.6 U0.89 U0.81 U0.9 U75-25-2BROMORHETHANEug/kg6.5 U1.3 U1.3 J4.9 J75-25-3CARBON DISULTIDEug/kg6.1 U1.2 U1.1 U1.2 U75-30CHLOROBETHANEug/kg5.5 U1.3 U1.5 U1.7 U75-40CARBON DISULTIDEug/kg5.5 U1.1 U0.9 U1.4 U76-63-3CHLOROBETHANEug/kg5.5 U1.1 U0.9 U1.1 U1064-05-5UCHOROBETHANEug/kg4.6 U0.89 U0.71 U3.4 J76-65-3CHLOROBETHANEug/kg4.5 U0.8 U0.71 U1.4 U1064-05UCHOROBETHANEug/kg4.6 U0.89 U0.01 U1.1 U <t< td=""><td>106-93-4</td><td>1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)</td><td>ug/kg</td><td>4 U</td><td>0.77 U</td><td>0.7 U</td><td>0.78 U</td></t<>	106-93-4	1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	ug/kg	4 U	0.77 U	0.7 U	0.78 U
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	95-50-1	1,2-DICHLOROBENZENE	ug/kg	3.8 UJ	0.75 UJ	0.68 U	0.76 UJ
78-87-51.2-DICHLOROPROPANE $ugkg$ 1.6 U0.31 U0.22 U0.32 U511-75-11.3-DICHLOROBEXZENE $ugkg$ 2.3 U0.44 UU0.4 U0.45 U106-64-71.4-DICANCEPCENE $ugkg$ 310 U60 U55 U60 U591-78-62-HEXANONE $ugkg$ 24 U4.7 U4.3 U4.8 U57-84-12-HEXANONE $ugkg$ 19 U3.6 U3.3 U5171-43-2BENZENE $ugkg$ 7100 J500 U1.5 J2.3 J71-47-5BROMOCHLOROMETHANE $ugkg$ 4.9 U0.95 U0.68 U0.97 U72-27-4BROMOCHLOROMETHANE $ugkg$ 4.6 U0.89 U0.81 U0.9 U72-27-2BROMORIMANE $ugkg$ 6.5 U1.3 U0.61 U0.9 U72-27-2BROMORIMANE $ugkg$ 6.5 U1.3 U1.1 U1.2 U72-27-4BROMORIMANE $ugkg$ 6.5 U1.3 U0.61 U0.9 U72-28-2BROMORIMANE $ugkg$ 6.5 U1.3 U1.1 U1.2 U74-83-9BROMORIMANE $ugkg$ 6.5 U1.3 U0.61 U0.5 U0.61 U75-25-2CARBON TETRACHLORDE $ugkg$ 6.1 U1.2 U1.1 U1.2 U1.7 U1.5 U1.7 U165-0-3CHLOROPTHANE $ugkg$ 5.3 U1.1 U0.97 U1.1 U1.2 U1.4 U1.4 U1.2 U174-75-0CK1-DOROPTHANE $ugkg$ 5.3 U1.1 U0.97 U1.1 U1.4 U1	107-06-2	1,2-DICHLOROETHANE	ug/kg	4 U	0.77 U	0.7 U	0.78 U
S41-75.1       [3-DICHOROBENZENE $ugkg$ 2.3 U       0.44 U       0.4 U       0.4 U       0.4 U         105-46-7       1.4 DICKLOROBENZENE $ugkg$ 310 U       60 U       55 U       60 U         123-91-1       1.4 DICKLOROBENZENE $ugkg$ 24 U       4.7 U       4.3 U       4.8 U         67-64-1       ACETONE $ugkg$ 19 U       3.6 U       3.3 U       51         71-43-2       BENZENE $ugkg$ 4.9 U       0.95 U       0.86 U       0.77 U         75-27-4       BROMODICHLOROMETHANE $ugkg$ 4.6 U       0.89 U       0.81 U       0.76 U         75-23-2       BROMODETHANE $ugkg$ 6.5 U       1.3 U       1.3 J       4.9 J         75-52-3       BROMODETHANE $ugkg$ 6.5 U       1.3 U       1.3 U       0.9 U         74-83-9       BROMODETHANE $ugkg$ 6.1 U       1.2 U       1.1 U       1.2 U         75-73       CHLOROBENZENE $ugkg$ 6.1 U       1.2 U       1.1 U       1.2 U         75-80       CARBON TETRACHLORIDE $ugkg$ 3.1 U       0.6 U       0.5 U       0.61 U         75-0-3       CHLOROBETH	78-87-5	1,2-DICHLOROPROPANE	ug/kg	1.6 U	0.31 U	0.28 U	0.32 U
106-6-7       [4-DICILOROBENZENE $ugkg$ 2.0       0.49 UJ       0.45 UJ       0.5 UJ         5391-76-6       2-HEXANONE $ugkg$ 24 U       4.7 U       4.3 U       4.8 U         67-64-1       ACETONE $ugkg$ 19 U       3.6 U       3.3 U       5.1         71-43-2       BENZENE $ugkg$ 710 J       5300       1.3 J       2.3 J         74-75-5       BROMOCHLOROMETHANE $ugkg$ 4.9 U       0.95 U       0.86 U       0.07 U         75-27-4       BROMODICILOROMETHANE $ugkg$ 3.8 U       0.75 U       0.86 U       0.76 U         75-25-2       BROMOMETHANE $ugkg$ 6.5 U       1.3 U       0.81 U       0.9 U         78-85-9       BROMOMETHANE $ugkg$ 6.5 U       1.3 U       1.1 U       1.2 U         17-5-0-3       CARBON TETRACHLORIDE $ugkg$ 6.1 U       1.2 U       1.1 U       1.2 U       1.1 U       1.2 U         18-8-3       SCARDON TETRANE $ugkg$ 4.6 U       0.89 U       0.81 U       0.9 U       7.84 D         75-0-3       CHLOROPENZENE $ugkg$ 4.6 U       0.87 U       0.7 U       1.1 U       1.0	541-73-1	1,3-DICHLOROBENZENE	ug/kg	2.3 UJ	0.44 UJ	0.4 U	0.45 UJ
123-91-11.4-DIOXANE (P-DIOXANE) $ug/kg$ $30 \ U$ $60 \ U$ $55 \ U$ $60 \ U$ $67.411$ ACETONE $ug/kg$ $24 \ U$ $4.7 \ U$ $4.3 \ U$ $4.8 \ U$ $67.411$ ACETONE $ug/kg$ $19 \ U$ $3.6 \ U$ $3.3 \ U$ $51 \ U$ $71.432$ BENZENE $ug/kg$ $4.9 \ U$ $0.55 \ U$ $0.86 \ U$ $0.97 \ U$ $72.72.4$ BROMOCHLOROMETHANE $ug/kg$ $4.9 \ U$ $0.55 \ U$ $0.86 \ U$ $0.97 \ U$ $72.52.5$ BROMOCRM $ug/kg$ $4.6 \ U$ $0.89 \ U$ $0.81 \ U$ $0.9 \ U$ $72.53.5$ CARBON DELFIDE $ug/kg$ $6.5 \ U$ $1.3 \ U$ $1.3 \ J$ $4.9 \ J$ $52.53.5$ CARBON TERACHLORDE $ug/kg$ $6.5 \ U$ $1.3 \ U$ $1.3 \ U$ $1.2 \ U$ $0.6 \ U$ $108-90.7$ CARBON DELFIDE $ug/kg$ $6.5 \ U$ $1.3 \ U$ $1.3 \ U$ $1.2 \ U$ $0.6 \ U$ $108-90.7$ CARBON DELFIDE $ug/kg$ $6.5 \ U$ $1.3 \ U$ $1.1 \ U$ $1.2 \ U$ $0.6 \ U$ $108-90.7$ CARBON DELFIDE $ug/kg$ $3.1 \ U$ $0.6 \ U$ $0.5 \ U$ $0.61 \ U$ $108-90.7$ CALRON DELFIDE $ug/kg$ $3.1 \ U$ $0.5 \ U$ $0.61 \ U$ $108-90.7$ CHLOROBERXENE $ug/kg$ $3.1 \ U$ $0.6 \ U$ $0.8 \ U$ $0.9 \ U$ $108-90.7$ CHLOROBERXENE $ug/kg$ $3.1 \ U$ $0.81 \ U$ $0.9 \ U$ $0.6 \ C$ $108-90.7$ CHLOROBERAM $ug/kg$ $3.3 \ U$ <td>106-46-7</td> <td>1,4-DICHLOROBENZENE</td> <td>ug/kg</td> <td>2.5 UJ</td> <td>0.49 UJ</td> <td>0.45 U</td> <td>0.5 UJ</td>	106-46-7	1,4-DICHLOROBENZENE	ug/kg	2.5 UJ	0.49 UJ	0.45 U	0.5 UJ
59)-7.8-6       2-HEXANONE       ug/kg       24 U       4.7 U       4.3 U       4.8 U         71-43-2       BENZENE       ug/kg       19 U       3.6 U       3.3 U       51         71-43-2       BENZENE       ug/kg       7100 J       5300       1.3 J       2.3 J         74-97.5       BROMODICHLOROMETHANE       ug/kg       4.8 U       0.75 U       0.068 U       0.97 U         75-27-4       BROMODICHLOROMETHANE       ug/kg       3.8 U       0.75 U       0.068 U       0.076 U         75-27-5       BROMODICHLOROMETHANE       ug/kg       1.5 U       2.9 U       2.7 U       3 U         75-25-2       BROMODETHANE       ug/kg       6.1 U       1.2 U       1.1 U       1.2 U         78-50       CARBON TETRACHLORIDE       ug/kg       6.1 U       1.2 U       1.1 U       1.2 U         108-90-7       CHLOROFHANE       ug/kg       4.6 U       0.89 U       0.81 U       0.9 U         78-63       CHLOROFORM       ug/kg       4.6 U       0.89 U       0.81 U       0.9 U         10-44-5       CS1-3.2 DICHLOROFTHYLENE       ug/kg       5.3 U       1.1 U       0.2 U         16-5-9-2       CCL-3.2 DICHLOROFTHYLENE       ug/kg	123-91-1	1.4-DIOXANE (P-DIOXANE)	ug/kg	310 U	60 U	55 U	60 U
	591-78-6	2-HEXANONE	ug/kg	24 U	4.7 U	4.3 U	4.8 U
71-43-2BENZENE $u_{w}^{1}k_{w}^{2}$ 7100 J53001.3 I2.3 J74-97.5BROMOCH-OROMETHANE $u_{w}^{1}k_{w}^{2}$ 4.9 U0.95 U0.86 U0.97 U75-27.4BROMOCH-OROMETHANE $u_{w}^{1}k_{w}^{2}$ 3.8 U0.75 U0.68 U0.97 U75-25.2BROMOCH-TARNE $u_{w}^{1}k_{w}^{2}$ 4.6 U0.89 U0.81 U0.9 U75-25.2BROMOMETHANE $u_{w}^{1}k_{w}^{2}$ 4.6 U0.89 U0.81 U0.9 U75-15.0CARBON DISULFIDE $u_{w}^{1}k_{w}^{2}$ 6.1 U1.2 U1.1 U1.2 U108-90-7CHLOROBENZENE $u_{w}^{1}k_{w}^{2}$ 6.1 U1.2 U1.1 U1.2 U108-90-7CHLOROFORM $u_{w}^{1}k_{w}^{2}$ 5.3 U1.0 U0.6 U0.55 U0.61 U75-03CHLOROFORM $u_{w}^{1}k_{w}^{2}$ 5.3 U1.U0.94 U1.1 U106-10-5CIS-1,2-DICHLOROFORME $u_{w}^{1}k_{w}^{2}$ 5.5 U1.1 U0.97 U1.1 U106-10-5CIS-1,2-DICHLOROFOPENE $u_{w}^{1}k_{w}^{2}$ 6.2 J8.2 J1.1 U1.2 U124-45DIRBOMOCHLOROMETHANE $u_{w}^{1}k_{w}^{2}$ 4.0 U0.75 U0.3 J1.0104-14ETHYLBENZENEUMENT $u_{w}^{1}k_{w}^{2}$ 3.0 U0.71 U3.4 J104-14ETHYLBENZENE $u_{w}^{1}k_{w}^{2}$ 3.0000 J480001.7 J0.76 U27-0.9METHYL CATATE $u_{w}^{1}k_{w}^{2}$ 3.000 J3.40002.1 0.88 U28-23	67-64-1	ACETONE	ug/kg	19 U	3.6 U	3.3 U	51
74-97-5BROMOCHLOROMETHANE $ug'kg$ 4.9 U0.95 U0.86 U0.97 U75-27-4BROMODICHLOROMETHANE $ug'kg$ 3.8 U0.75 U0.68 U0.76 U75-25-2BROMONETHANE $ug'kg$ 4.6 U0.89 U0.81 U0.9 U74.83-9BROMONETHANE $ug'kg$ 6.5 U1.3 U1.3 J4.9 J75-50CARBON DISULFIDE $ug'kg$ 6.5 U1.3 U1.3 J4.9 J76-63CHLOROBENZENE $ug'kg$ 8.6 U1.7 U1.5 U1.7 U76-6-3CHLOROFORM $ug'kg$ 4.6 U0.89 U0.81 U0.9 U74-87.3CHLOROFORM $ug'kg$ 4.4 U0.87 U0.7 U1.1 U106-10-5CIS-1.2-DICHLOROPENE $ug'kg$ 4.4 U0.87 U0.79 U1.1 U106-11-5DIGHLOROPORPENE $ug'kg$ 4.4 U0.87 U0.79 U0.88 U10-82-7CYCLOHEXANE $ug'kg$ 4.4 U0.87 U0.71 U3.4 J10-04-14ETHYLBENZENE (CUMENE) $ug'kg$ 4.4 U0.78 U0.71 U3.4 J10-14-4ETHYLBENZENE (CUMENE) $ug'kg$ 4.4 U0.78 U0.71 U3.4 J10-14-4ETHYLBENZENE (CUMENE) $ug'kg$ 4.4 U0.78 U0.71 U3.4 J10-14-4ETHYLBENZENE (CUMENE) $ug'kg$ 3.0 U1.8 U1.6 U1.8 U78-3-3METHYL ETHYL ETONE (-ABUTANONE) $ug'kg$ 19 U3.7 U3.4 U3.8 U78-3-3METHYL ETHYL ETONE (-ABUTA	71-43-2	BENZENE	ug/kg	7100 J	5300	1.3 J	2.3 J
75.27.4       BROMODICHLOROMETHANE $ug/kg$ 3.8 U       0.75 U       0.68 U       0.76 U         75.25.2       BROMORM $ug/kg$ 4.6 U       0.89 U       0.81 U       0.9 U         74.83.9       BROMOMETHANE $ug/kg$ 15 U       2.9 U       2.7 U       3 U         75.15.0       CARBON DISULFIDE $ug/kg$ 6.5 U       1.3 U       1.3 J       4.9 J         56.23.5       CARBON TERACHLORIDE $ug/kg$ 6.1 U       1.2 U       1.1 U       1.2 U         108.90-7       CHLOROBENZENE $ug/kg$ 8.6 U       1.7 U       1.5 U       1.7 U         76-63       CHLOROFTHANE $ug/kg$ 4.6 U       0.89 U       0.81 U       0.9 U         74.87.3       CHLOROPETHVENE $ug/kg$ 5.5 U       1.1 U       0.97 U       1.1 U         1065.59-2       CIS-1.2-DICHLOROPENPENE $ug/kg$ 6.2 J       8.2 J       1.1 U       1.2 U         124-48-1       DIBROMOCHLOROMETHANE $ug/kg$ 3.3 U       0.65 U       0.59 U       0.66 U         10-82-7       CYCLOHEXANE $ug/kg$ 3.3 U       0.65 U       0.59 U       0.66 U         10-41.4	74-97-5	BROMOCHLOROMETHANE	ug/kg	4.9 U	0.95 U	0.86 U	0.97 U
75:25:2BROMOFORM $u_g/k_g$ 4.6 U0.89 U0.81 U0.9 U74:83-9BROMOMETHANE $u_g/k_g$ 15 U2.9 U2.7 U3 U75:15.0CARBON DISULFIDE $u_g/k_g$ 6.5 U1.3 U1.3 J4.9 J56:23.5CARBON TETRACHLORIDE $u_g/k_g$ 6.1 U1.2 U1.1 U1.2 U108:90.7CHLOROBENZENE $u_g/k_g$ 3.1 U0.6 U0.55 U0.61 U75:03.3CHLOROFTHANE $u_g/k_g$ 8.6 U1.7 U1.5 U1.7 U76:63.3CHLOROPEN $u_g/k_g$ 4.6 U0.89 U0.81 U0.9 U74:87.3CHLOROPENTHYLENE $u_g/k_g$ 5.3 U1 U0.97 U1.1 U106:10.5CIS-1.3-DICHLOROPENE $u_g/k_g$ 4.4 U0.87 U0.79 U0.88 U110:82.7CYCLOHEXANE $u_g/k_g$ 4.2 J8.2 J1.1 U1.2 U12:44.81DIBROMOCHLOROMETHANE $u_g/k_g$ 3.3 U0.65 U0.59 U0.66 U75:71.8DICHLORODETLIOROMETHANE $u_g/k_g$ 3000 J480001.7 J0.76 U98:32.4IDROMOCHLOROMETHANE $u_g/k_g$ 9.3 U1.8 U1.6 U1.8 U79:20.9METHYL LETATE $u_g/k_g$ 9.3 U3.5 U3.2 U3.5 U79:20.9METHYL ETATONE) $u_g/k_g$ 1.9 U3.7 U3.4 U3.8 U10:4:4ETHYLBENCENE (4.4ETATE $u_g/k_g$ 1.9 U3.7 U3.4 U3.8 U10:4:4ETHYLENENCURE (4.2ETATE	75-27-4	BROMODICHLOROMETHANE	ug/kg	3.8 U	0.75 U	0.68 U	0.76 U
74.83-9BROMOMETHANE $u_g A_g$ 15 U2.9 U2.7 U3 U75.15-0CARBON DISULFIDE $u_g A_g$ 6.5 U1.3 U1.3 J4.9 J56.23-5CARBON TERRACHLORDE $u_g A_g$ 6.1 U1.2 U1.1 U1.2 U108.90-7CHLOROBENZENE $u_g A_g$ 3.1 U0.6 U0.55 U0.61 U67.60-3CHLOROFHANE $u_g A_g$ 8.6 U1.7 U1.5 U1.7 U67.66-3CHLOROPORM $u_g A_g$ 5.3 U1 U0.94 U1.1 U106-10-5CIS-1.2-DICHLOROPROPENE $u_g A_g$ 5.5 U1.1 U0.97 U1.1 U106-10-5CIS-1.3-DICHLOROPROPENE $u_g A_g$ 6.2 J8.2 J1.1 U1.2 U114.82-7CYCLOHEXANE $u_g A_g$ 4.0 U0.78 U0.71 U3.4 J100-41-4EHYLDENZENE $u_g A_g$ 620 J36000.52 U0.66 U75-71-8DICHLOROPHANE $u_g A_g$ 620 J360000.52 U0.59 U100-41-4EHYLDENZENE $u_g A_g$ 620 J360000.52 U0.59 U98-82-8ISOPROPYLBENZENE (CUMENE) $u_g A_g$ 620 J360000.52 U0.59 U100-41-4EHYLDENZENE $u_g A_g$ 9.3 U1.8 U1.6 U1.8 U78-92-9METHYL CFULE (SUM OF ISOMERS) $u_g A_g$ 3400 J3.400 J3.4 U3.8 U79-03-9METHYL KETONE (-AUTHYLONDE) $u_g A_g$ 1.0 U3.2 U3.5 U3.2 U3.5 U76-0	75-25-2	BROMOFORM	ug/kg	4.6 U	0.89 U	0.81 U	0.9 U
75.15.0CARBON DISULFIDE $ug/kg$ 6.5 U1.3 U1.3 J4.9 J56.23.5CARBON TETRACHLORIDE $ug/kg$ 6.1 U1.2 U1.1 U1.2 U108-90.7CHLOROBENZENE $ug/kg$ 8.1 U0.6 U0.55 U0.61 U75.00.3CHLOROBETHANE $ug/kg$ 8.6 U1.7 U1.5 U1.7 U67.66.3CHLOROFORM $ug/kg$ 8.6 U1.7 U0.94 U0.9 U74.87.3CHLOROMETHANE $ug/kg$ 5.3 U1 U0.94 U1.1 U156.59.2CIS.1.3-DICHLOROPENE $ug/kg$ 5.5 U1.1 U0.97 U1.1 U10061-01.5CIS.1.3-DICHLOROPENE $ug/kg$ 6.2 J8.2 J1.1 U1.2 U124.48.1DIBOMOCHLOROMETHANE $ug/kg$ 3.3 U0.65 U0.59 U0.66 U124.48.1DIBOMOCHLOROMETHANE $ug/kg$ 3.000 J480001.7 J0.76 U124.48.1DIBOMOCHLOROMETHANE $ug/kg$ 30000 J480001.7 J0.76 U8.82.8ISOPROPYLENZENE (CUMENE) $ug/kg$ 34000 J540002 J0.88 UXYLMPM.P.XYLENE (SUM OF ISOMERS) $ug/kg$ 9.3 U1.8 U1.6 U1.8 U9.83.2.8ISOPROPYLENZENE (CUMENE) $ug/kg$ 19 U3.7 U3.4 U3.8 U108.67.2METHYL ENDK (2-BUTANONE) $ug/kg$ 19 U3.7 U3.4 U3.8 U108.79.2METHYL ENDK (1.2-DIMETHYL2-PENTANONE) $ug/kg$ 18 U3.5 U3.2 U3.6 U<	74-83-9	BROMOMETHANE	ug/kg	15 U	2.9 U	2.7 U	3 U
56-23-5       CARBON TETRACHLORIDE $ug/kg$ 6.1 U       1.2 U       1.1 U       1.2 U         108-90-7       CHLOROBENZENE $ug/kg$ 3.1 U       0.6 U       0.55 U       0.61 U         67-60-3       CHLOROFTHANE $ug/kg$ 8.6 U       1.7 U       1.5 U       1.7 U         67-66-3       CHLOROFTHANE $ug/kg$ 4.6 U       0.89 U       0.81 U       0.9 U         74-87-3       CHLOROFTHANE $ug/kg$ 5.5 U       1.1 U       0.94 U       1.1 U         106-01-5       CIS-1,2-DICHLOROPROPENE $ug/kg$ 4.4 U       0.87 U       0.79 U       0.88 U         101-02-6       CYCLOHEXANE $ug/kg$ 4.2 J       8.2 J       1.1 U       1.2 U       1.4 U       1.6 U       1.4 U       1.6 U       1.8 U       1.6 U <td>75-15-0</td> <td>CARBON DISULFIDE</td> <td>ug/kg</td> <td>6.5 U</td> <td>1.3 U</td> <td>1.3 J</td> <td>4.9 J</td>	75-15-0	CARBON DISULFIDE	ug/kg	6.5 U	1.3 U	1.3 J	4.9 J
108-90-7         CHLOROBENZENE         ug/kg         3.1         0.6         0.55         0.61         0           75-00-3         CHLOROETHANE         ug/kg         8.6         0         1.7         0         0.9         0         0.8         0.9         0.66         0         3.3         0         0.55         0         0.71         0         0.6         0         3.3         0         0.55         0         0.9         0.66         0         3.2         0         9.5         0         0.6         0         9.2         0.8         0         9.65         0         0.9	56-23-5	CARBON TETRACHLORIDE	ug/kg	6.1 U	1.2 U	1.1 U	1.2 U
75-00-3CHLOROETHANE $u_g \Lambda_g^2$ 8.6 U1.7 U1.5 U1.7 U67-66-3CHLOROFORM $u_g \Lambda_g^2$ 8.6 U0.89 U0.81 U0.9 U156-59-2CIS-1,2-DICHLOROETHYLENE $u_g \Lambda_g$ 5.3 U1 U0.97 U1.1 U10061-01-5CIS-1,3-DICHLOROFOPENE $u_g \Lambda_g$ 5.5 U1.1 U0.97 U0.88 U110-82-7CYCLOHEXANE $u_g \Lambda_g$ 6.2 J8.2 J1.1 U1.2 U124-48-1DIBROMOCHLOROMETHANE $u_g \Lambda_g$ 3.3 U0.65 U0.59 U0.66 U75-71-8DICHLORODIFLUOROMETHANE $u_g \Lambda_g$ 3.30 U0.78 U0.71 U3.4 J100-41-4ETHYLBEXZENE $u_g \Lambda_g$ 6200 J36000.52 U0.59 UJ98-82-8ISOPROPYLENZENE (CUMENE) $u_g \Lambda_g$ 6200 J36000.52 U0.59 UJXYLMPM.P-XYLENE (SUM OF ISOMERS) $u_g \Lambda_g$ 9.3 U1.8 U1.6 U1.8 U78-93-3METHYL ACETATE $u_g \Lambda_g$ 19 U3.7 U3.4 U3.8 U108-10-1METHYL ACETATE $u_g \Lambda_g$ 18 U3.5 U3.2 U3.6 U108-87-2METHYL ACETATE $u_g \Lambda_g$ 1800 J280000.74 U0.83 U108-10-1METHYL ACETATE $u_g \Lambda_g$ 1800 J280000.74 U0.83 U108-10-1METHYL ACETATE $u_g \Lambda_g$ 1800 J280000.74 U0.83 U108-87-2METHYL ACETATE $u_g \Lambda_g$ 1800 J280000.74 U0.83 U<	108-90-7	CHLOROBENZENE	ug/kg	3.1 U	0.6 U	0.55 U	0.61 U
67-66-3CHLOROFORM $ug/kg$ $4.6$ U $0.89$ U $0.81$ U $0.9$ U $74.87-3$ CHLOROMETHANE $ug/kg$ $5.3$ U $1$ U $0.94$ U $1.1$ U $156-59-2$ CIS-1,2-DICHLOROPETHYLENE $ug/kg$ $5.5$ U $1.1$ U $0.97$ U $1.1$ U $10061-01-5$ CIS-1,3-DICHLOROPROPENE $ug/kg$ $4.4$ U $0.87$ U $0.79$ U $0.88$ U $110.82.7$ CYCLOHEXANE $ug/kg$ $62$ J $8.2$ J $1.1$ U $1.2$ U $124.48.1$ DIBROMOCHLOROMETHANE $ug/kg$ $3.3$ U $0.65$ U $0.59$ U $0.66$ GU $75.71.8$ DICHLORODIFLUCROMETHANE $ug/kg$ $30000$ J $48000$ $1.7$ J $0.76$ U $98.82.8$ ISOPROPYLBENZENE (CUMENE) $ug/kg$ $30000$ J $48000$ $2.2$ J $0.82$ U $79-20.9$ METHYL ACETATE $ug/kg$ $9.3$ U $1.8$ U $1.6$ U $1.8$ U $79-20.9$ METHYL ACETATE $ug/kg$ $9.3$ U $3.4$ U $3.4$ U $3.8$ U $108-10.1$ METHYL CHYL KETONE (2-BUTANONE) $ug/kg$ $19$ U $3.7$ U $3.4$ U $3.8$ U $108-10.1$ METHYL CYCLOHEXANE $ug/kg$ $42$ UI $20$ UI $11$ U $1.2$ U $1.3$ U $108-76-6$ O-XYLENE (LORDIE $ug/kg$ $42$ UI $20$ UI $11$ U $0.49$ U $0.55$ U $1634-04.4$ TERT-BUTYL METHYL ETHER $ug/kg$ $5.9$ U $1.2$ U $1.1$ U $1.2$ U $104-25$ STYRENE $ug/kg$ $5.9$ U $1.2$ U $1$	75-00-3	CHLOROETHANE	ug/kg	8.6 U	1.7 U	1.5 U	1.7 U
74-87-3CHLOROMETHANE $u_g/k_g$ 5.3 U1 U0.94 U1.1 U156-59-2CIS-1,2-DICHLOROBTHYLENE $u_g/k_g$ 5.5 U1.1 U0.97 U1.1 U10061-01-5CIS-1,3-DICHLOROPENE $u_g/k_g$ 4.4 U0.87 U0.79 U0.8 U110-82-7CYCLOHEXANE $u_g/k_g$ 62 J8.2 J1.1 U1.2 U124-48-1DIBROMOCHLOROMETHANE $u_g/k_g$ 3.3 U0.65 U0.59 U0.66 U57-1-8DICHLOROMETHANE $u_g/k_g$ 30000 J480001.7 J0.76 U98-82-8ISOPROPYLBENZENE (CUMENE) $u_g/k_g$ 34000 J540000.2 J0.88 U79-20-9METHYL ACETATE $u_g/k_g$ 9.3 U1.8 U1.6 U1.8 U78-93-3METHYL KETONE (2-BUTANONE) $u_g/k_g$ 9.3 U1.8 U3.6 U1.8 U108-87-2METHYL LETHYL KETONE (4-METHYL2-PENTANONE) $u_g/k_g$ 210 J46 J1.2 U1.3 U108-87-2METHYLENE (1.2-DIMETHYLBENZENE) $u_g/k_g$ 18000 J280000.74 U0.83 U106-42-5STYRENE $u_g/k_g$ 890960 J0.49 U0.55 U1634-04-4TERT-BUTYL METHYL ETHER $u_g/k_g$ 15000 J1.2 U1.1 U1.2 U127-184TETR-BUTYL METHYLENE(PCE) $u_g/k_g$ 15000 J180001.3 J0.78 U163-04-4TERT-BUTYL METHYLENE $u_g/k_g$ 4.3 U0.83 U0.75 U0.84 U1004-2-5STYRENE $u_g/k_g$ 15000 J <td>67-66-3</td> <td>CHLOROFORM</td> <td>ug/kg</td> <td>4.6 U</td> <td>0.89 U</td> <td>0.81 U</td> <td>0.9 U</td>	67-66-3	CHLOROFORM	ug/kg	4.6 U	0.89 U	0.81 U	0.9 U
156-59-2 $CIS-1,2-DICHLOROETHYLENE$ $ug/kg$ $5.5$ U $1.1$ U $0.97$ U $1.1$ U10061-01-5 $CIS-1,3-DICHLOROPROPENE$ $ug/kg$ $4.4$ U $0.87$ U $0.79$ U $0.88$ U110-82-7 $CYCLOHEXANE$ $ug/kg$ $62$ J $8.2$ J $1.1$ U $1.2$ U124-48-1DIBROMOCHLOROMETHANE $ug/kg$ $3.3$ U $0.65$ U $0.59$ U $0.66$ U $75-71-8$ DICHLORODIFLUOROMETHANE $ug/kg$ $4$ U $0.78$ U $0.71$ U $3.4$ J $100-41-4$ ETHYLBENZENE $ug/kg$ $30000$ J $48000$ $1.7$ J $0.76$ U $98-82-8$ ISOPROPYLBENZENE (CUMENE) $ug/kg$ $6200$ J $3600$ $0.52$ U $0.59$ UJ $XYLMP$ $M_P-XYLENE$ (SUM OF ISOMERS) $ug/kg$ $34000$ J $54000$ $2$ J $0.88$ U $79-20-9$ METHYL ETHYL KETONE (2-BUTANONE) $ug/kg$ $9.3$ U $1.8$ U $1.6$ U $1.8$ U $108-10-1$ METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE) $ug/kg$ $18$ U $3.5$ U $3.2$ U $3.6$ U $108-87-2$ METHYL LENE CHLORIDE $ug/kg$ $42$ UJ $20$ UU $11$ UJ $1.2$ U $1.3$ U $104-45$ STYRENE $ug/kg$ $42$ UJ $20$ UU $11$ UJ $0.43$ U $104-25$ STYRENE $ug/kg$ $62$ U $1.2$ U $1.1$ U $1.2$ U $104-25$ STYRENE $ug/kg$ $62$ U $1.2$ U $1.1$ U $1.2$ U $108-88-3$ TOLUENE $ug/kg$ $62$ U $1.2$ U $1.1$ U </td <td>74-87-3</td> <td>CHLOROMETHANE</td> <td>ug/kg</td> <td>5.3 U</td> <td>1 U</td> <td>0.94 U</td> <td>1.1 U</td>	74-87-3	CHLOROMETHANE	ug/kg	5.3 U	1 U	0.94 U	1.1 U
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	156-59-2	CIS-1.2-DICHLOROETHYLENE	ug/kg	5.5 U	1.1 U	0.97 U	1.1 U
110-82-7       CYCLOHEXANE       ug/kg       62 J       8.2 J       1.1 U       1.2 U         124-48-1       DIBROMOCHLOROMETHANE       ug/kg       3.3 U       0.65 U       0.59 U       0.66 U         75-71-8       DICHLORODIFLUOROMETHANE       ug/kg       4 U       0.78 U       0.71 U       3.4 J         100-41-4       ETHYLBENZENE       ug/kg       30000 J       48000       1.7 J       0.76 U         98-82-8       ISOPROPYLBENZENE (CUMENE)       ug/kg       6200 J       3600       0.52 U       0.59 UJ         XYLMP       M.P-XYLENE (SUM OF ISOMERS)       ug/kg       34000 J       54000       2 J       0.88 U         79-2.0-9       METHYL ACETATE       ug/kg       9.3 U       1.8 U       1.6 U       1.8 U         108-10-1       METHYL ACETATE       ug/kg       19 U       3.7 U       3.4 U       3.8 U         108-87-2       METHYL CYCLOHEXANE       ug/kg       10 J       46 J       1.2 U       1.3 U         108-87-2       METHYLLOHONE       ug/kg       1800 J       28000       0.74 U       0.83 U         108-87-2       METHYLLSDECHLORIDE       ug/kg       1800 J       28000       0.74 U       0.83 U         108-87-2 </td <td>10061-01-5</td> <td>CIS-1.3-DICHLOROPROPENE</td> <td>ug/kg</td> <td>4.4 U</td> <td>0.87 U</td> <td>0.79 U</td> <td>0.88 U</td>	10061-01-5	CIS-1.3-DICHLOROPROPENE	ug/kg	4.4 U	0.87 U	0.79 U	0.88 U
124-48-1         DIBROMOCHLOROMETHANE         ug/kg         3.1         0.65         0.59         0.66         0.75           75-71-8         DICHLOROMETHANE         ug/kg         4         0.78         0.71         0.74         3.4         J           100-41-4         ETHYLBENZENE         ug/kg         30000         J         48000         1.7         J         0.76         U           98-82-8         ISOPROPYLBENZENE (CUMENE)         ug/kg         6200         3600         0.52         0.59         UJ           NP-XYLENE (SUM OF ISOMERS)         ug/kg         34000         J         54000         2         J         0.88         U           108-10-1         METHYL ACETATE         ug/kg         9.3         U         1.8         U         1.6         U         1.8         U           108-10-1         METHYL KETONE (2-BUTANONE)         ug/kg         18         3.5         U         3.2         U         3.6         U           108-87-2         METHYLENGULTYL KETONE (4-METHYL-2-PENTANONE)         ug/kg         210         J         46         J         1.2         U         1.3         U           108-47-6         O-SYLENE (1,2-DIMETHYLBENZENE)         ug/kg	110-82-7	CYCLOHEXANE	ug/kg	62 J	8.2 J	1.1 U	1.2 U
75-71-8         DICHLORODIFLUOROMETHANE         ug/kg         4 U         0.78 U         0.71 U         3.4 J           100-1-14         ETHYLBENZENE         ug/kg         30000 J         48000         1.7 J         0.76 U           98-82-8         ISOPROPYLBENZENE (CUMENE)         ug/kg         6200 J         3600         0.52 U         0.59 UJ           XYLMP         M.P-XYLENE (SUM OF ISOMERS)         ug/kg         34000 J         54000         2 J         0.88 U           79-20-9         METHYL ACETATE         ug/kg         9.3 U         1.8 U         1.6 U         1.8 U           108-10-1         METHYL KETONE (2-BUTANONE)         ug/kg         18 U         3.5 U         3.4 U         3.6 U           108-87-2         METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)         ug/kg         18 U         3.5 U         3.2 U         1.3 U           108-87-2         METHYLENE CHLORIDE         ug/kg         210 J         46 J         1.2 U         1.3 U           100-42-5         STYRENE         ug/kg         890         960 J         0.49 U         0.55 U           102-42-5         STYRENE         ug/kg         5.9 U         1.2 U         1 U         1.2 U           127-18-4         TERT-BUTYL METHYL	124-48-1	DIBROMOCHLOROMETHANE	ug/kg	3.3 U	0.65 U	0.59 U	0.66 U
100-41-4         ETHYLBENZENE         ug/kg         30000 J         48000         1.7 J         0.76 U           98-82-8         ISOPROPYLBENZENE (CUMENE)         ug/kg         6200 J         3600         0.52 U         0.59 UJ           XYLMP         M.P.XYLENE (SUM OF ISOMERS)         ug/kg         34000 J         54000         2 J         0.88 U           79-20-9         METHYL ACETATE         ug/kg         9.3 U         1.8 U         1.6 U         1.8 U           78-93-3         METHYL ETHYL KETONE (2-BUTANONE)         ug/kg         19 U         3.7 U         3.4 U         3.8 U           108-10-1         METHYL CYCLOHEXANE         ug/kg         18 U         3.5 U         3.2 U         3.6 U           108-87-2         METHYLENE CHLORIDE         ug/kg         42 UJ         20 UJ         11 UJ         6.1 UJ           95-47-6         O-XYLENE (1,2-DIMETHYLBENZENE)         ug/kg         890         960 J         0.49 U         0.55 U           1634-04-4         TERT-BUTYL METHYL ETHER         ug/kg         5.9 U         1.2 U         1 U         1.2 U           127-18-4         TERTACHLOROETHENE         ug/kg         6.2 U         1.2 U         1 U         1.2 U           1064-02-6         TRAN	75-71-8	DICHLORODIFLUOROMETHANE	ug/kg	4 U	0.78 U	0.71 U	3.4 J
98-82-8         ISOPROPYLBENZENE (CUMENE)         ug/kg         6200 J         3600         0.52 U         0.59 UJ           XYLMP         M.PXYLENE (SUM OF ISOMERS)         ug/kg         34000 J         54000         2 J         0.88 U           79-20-9         METHYL ACETATE         ug/kg         9.3 U         1.8 U         1.6 U         1.8 U           78-93-3         METHYL ETYL KETONE (2-BUTANONE)         ug/kg         19 U         3.7 U         3.4 U         3.8 U           108-10-1         METHYL ETYL KETONE (4-METHYL-2-PENTANONE)         ug/kg         18 U         3.5 U         3.2 U         3.6 U           108-87-2         METHYLCYCLOHEXANE         ug/kg         42 UJ         20 UJ         11 UJ         6.1 UJ           95-47-6         O-XYLENE (1,2-DIMETHYLBENZENE)         ug/kg         890         960 J         0.49 U         0.55 U           100-42-5         STYRENE         ug/kg         890         960 J         0.49 U         0.55 U           1634-04-4         TERT-BUTYL METHYLENE(PCE)         ug/kg         5.9 U         1.2 U         1 U         1.2 U           127-18-4         TERTACHLOROETHYLENE(PCE)         ug/kg         6.2 U         1.2 U         1.0 U         1.2 U           126-0-	100-41-4	ETHYLBENZENE	ug/kg	30000 J	48000	1.7 J	0.76 U
XYLMP         M,P-XYLENE (SUM OF ISOMERS)         ug/kg         34000 J         54000         2 J         0.88 U           79-20-9         METHYL ACETATE         ug/kg         9.3 U         1.8 U         1.6 U         1.8 U           78-93-3         METHYL ACETATE         ug/kg         19 U         3.7 U         3.4 U         3.8 U           108-10-1         METHYL ETHYL KETONE (2-BUTANONE)         ug/kg         19 U         3.7 U         3.4 U         3.8 U           108-87-2         METHYLCYCLOHEXANE         ug/kg         12 U         1.3 U         3.6 U           108-87-2         METHYLENE CHLORIDE         ug/kg         42 UJ         20 UJ         11 UJ         6.1 UJ           95-47-6         O-XYLENE (1,2-DIMETHYLBENZENE)         ug/kg         18000 J         28000         0.74 U         0.83 U           100-42-5         STYRENE         ug/kg         5.9 U         1.2 U         1.0 U         1.2 U           127-184         TETR-BUTYL METHYL ETHER         ug/kg         6.2 U         1.2 U         1.0 U         1.2 U           108-88-3         TOLUENE         ug/kg         15000 J         18000         1.3 J         0.78 U           106-60-5         TRANS-1,2-DICHLOROETHENE         ug/kg	98-82-8	ISOPROPYLBENZENE (CUMENE)	ug/kg	6200 J	3600	0.52 U	0.59 UJ
79-20-9         METHYL ACETATE         ug/kg         9.3 U         1.8 U         1.6 U         1.8 U           78-93-3         METHYL ETHYL KETONE (2-BUTANONE)         ug/kg         19 U         3.7 U         3.4 U         3.8 U           108-10-1         METHYL SOBUTYL KETONE (4-METHYL-2-PENTANONE)         ug/kg         18 U         3.5 U         3.2 U         3.6 U           108-87-2         METHYLCYCLOHEXANE         ug/kg         210 J         46 J         1.2 U         1.3 U           75-09-2         METHYLENE CHLORIDE         ug/kg         42 UJ         20 UJ         11 UJ         6.1 UJ           95-47-6         O-XYLENE (1,2-DIMETHYLBENZENE)         ug/kg         18000 J         28000         0.74 U         0.83 U           100-42-5         STYRENE         ug/kg         6.2 U         1.2 U         1.0 U         1.2 U           1634-04-4         TERT-BUTYL METHYL ETHER         ug/kg         6.2 U         1.2 U         1.0 U         1.2 U           100-42-5         STYRENE         ug/kg         15000 J         18000         1.3 J         0.78 U           108-88-3         TOLUENE         ug/kg         4.3 U         0.83 U         0.75 U         0.84 U           10661-02-6         TRANS-1,2-D	XYLMP	M.P-XYLENE (SUM OF ISOMERS)	ug/kg	34000 J	54000	2 J	0.88 U
78-93-3         METHYL ETHYL KETONE (2-BUTANONE)         ug/kg         19 U         3.7 U         3.4 U         3.8 U           108-10-1         METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)         ug/kg         18 U         3.5 U         3.2 U         3.6 U           108-10-1         METHYL CYCLOHEXANE         ug/kg         18 U         3.5 U         3.2 U         3.6 U           108-87-2         METHYLCYCLOHEXANE         ug/kg         210 J         46 J         1.2 U         1.3 U           75-09-2         METHYLENE CHLORIDE         ug/kg         42 UJ         20 UJ         11 UJ         6.1 UJ           95-47-6         O-XYLENE (1,2-DIMETHYLBENZENE)         ug/kg         18000 J         28000         0.74 U         0.83 U           100-42-5         STYRENE         ug/kg         6.9 U         1.2 U         1 U         1.2 U           1634-04-4         TERT-BUTYL METHYL ETHER         ug/kg         6.2 U         1.2 U         1 U         1.2 U           107-18-4         TETRACHLOROETHYLENE(PCE)         ug/kg         6.2 U         1.2 U         1.1 U         1.2 U           108-88-3         TOLUENE         ug/kg         15000 J         18000         1.3 J         0.78 U           10661-02-6	79-20-9	METHYL ACETATE	ug/kg	9.3 U	1.8 U	1.6 U	1.8 U
108-10-1         METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)         ug/kg         18 U         3.5 U         3.2 U         3.6 U           108-87-2         METHYLCYCLOHEXANE         ug/kg         210 J         46 J         1.2 U         1.3 U           75-09-2         METHYLENE CHLORIDE         ug/kg         42 UJ         20 UJ         11 UJ         6.1 UJ           95-47-6         O-XYLENE (1,2-DIMETHYLBENZENE)         ug/kg         890         960 J         0.49 U         0.83 U           100-42-5         STYRENE         ug/kg         890         960 J         0.49 U         0.55 U           1634-04-4         TERT-BUTYL METHYL ETHER         ug/kg         5.9 U         1.2 U         1 U         1.2 U           127-18-4         TETRACHLOROETHYLENE(PCE)         ug/kg         6.2 U         1.2 U         1 U         1.2 U           127-18-4         TETRACHLOROETHYLENE(PCE)         ug/kg         6.2 U         1.2 U         1 U         1.2 U           108-88-3         TOLUENE         ug/kg         6.2 U         1.2 U         1.0 U         1.2 U           10661-02-6         TRANS-1,2-DICHLOROETHENE         ug/kg         4.3 U         0.83 U         0.75 U         0.84 U           10061-02-6 <td< td=""><td>78-93-3</td><td>METHYL ETHYL KETONE (2-BUTANONE)</td><td>ug/kg</td><td>19 U</td><td>3.7 U</td><td>3.4 U</td><td>3.8 U</td></td<>	78-93-3	METHYL ETHYL KETONE (2-BUTANONE)	ug/kg	19 U	3.7 U	3.4 U	3.8 U
108-87-2         METHYLCYCLOHEXANE         ug/kg         210 J         46 J         1.2 U         1.3 U           75-09-2         METHYLENE CHLORIDE         ug/kg         42 UJ         20 UJ         11 UJ         6.1 UJ           95-47-6         O-XYLENE (1,2-DIMETHYLBENZENE)         ug/kg         18000 J         28000         0.74 U         0.83 U           100-42-5         STYRENE         ug/kg         890         960 J         0.49 U         0.55 U           1634-04-4         TERT-BUTYL METHYL ETHER         ug/kg         5.9 U         1.2 U         1 U         1.2 U           127-18-4         TERT-ACHLOROETHYLENE(PCE)         ug/kg         6.2 U         1.2 U         1.1 U         1.2 U           108-88-3         TOLUENE         ug/kg         15000 J         18000         1.3 J         0.78 U           156-60-5         TRANS-1,2-DICHLOROETHENE         ug/kg         4.3 U         0.83 U         0.75 U         0.84 U           10061-02-6         TRANS-1,3-DICHLOROPROPENE         ug/kg         5.3 U         1 U         0.97 U           75-69-4         TRICHLOROETHYLENE (TCE)         ug/kg         5.3 U         1 U         0.94 U         1.1 U           75-69-4         TRICHLOROFLUOROMETHANE	108-10-1	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	ug/kg	18 U	3.5 U	3.2 U	3.6 U
75-09-2         METHYLENE CHLORIDE         ug/kg         42 UJ         20 UJ         11 UJ         6.1 UJ           95-47-6         O-XYLENE (1,2-DIMETHYLBENZENE)         ug/kg         18000 J         28000         0.74 U         0.83 U           100-42-5         STYRENE         ug/kg         890         960 J         0.49 U         0.55 U           1634-04-4         TERT-BUTYL METHYL ETHER         ug/kg         5.9 U         1.2 U         1 U         1.2 U           107-18-4         TETRACHLOROETHYLENE(PCE)         ug/kg         6.2 U         1.2 U         1.1 U         1.2 U           108-88-3         TOLUENE         ug/kg         15000 J         18000         1.3 J         0.78 U           156-60-5         TRANS-1,2-DICHLOROETHENE         ug/kg         4.3 U         0.83 U         0.75 U         0.84 U           10061-02-6         TRANS-1,3-DICHLOROPROPENE         ug/kg         4.9 U         0.95 U         0.86 U         0.97 U           75-69-4         TRICHLOROETHYLENE (TCE)         ug/kg         8.1 U         1.6 U         1.4 U         1.6 U           75-61-4         VINYL CHLOROIDE         ug/kg         7.6 U         1.5 U         1.3 U         1.5 U	108-87-2	METHYLCYCLOHEXANE	ug/kg	210 J	46 J	1.2 U	1.3 U
95-47-6         O-XYLENE (1,2-DIMETHYLBENZENE)         ug/kg         18000 J         28000         0.74 U         0.83 U           100-42-5         STYRENE         ug/kg         890         960 J         0.49 U         0.55 U           1634-04-4         TERT-BUTYL METHYL ETHER         ug/kg         5.9 U         1.2 U         1 U         1.2 U           127-18-4         TETRACHLOROETHYLENE(PCE)         ug/kg         6.2 U         1.2 U         1.1 U         1.2 U           108-88-3         TOLUENE         ug/kg         15000 J         18000         1.3 J         0.78 U           156-60-5         TRANS-1,2-DICHLOROETHENE         ug/kg         4.3 U         0.83 U         0.75 U         0.84 U           10061-02-6         TRANS-1,3-DICHLOROPROPENE         ug/kg         4.3 U         0.95 U         0.86 U         0.97 U           75-69-4         TRICHLOROFHYLENE (TCE)         ug/kg         5.3 U         1 U         0.94 U         1.1 U           75-01-4         VINYL CHLOROETHANE         ug/kg         7.6 U         1.5 U         1.3 U         1.5 U	75-09-2	METHYLENE CHLORIDE	ug/kg	42 UJ	20 UJ	11 UJ	6.1 UJ
IO0-42-5         STYRENE         International and the second seco	95-47-6	0-XYLENE (1 2-DIMETHYLBENZENE)	ug/kg	18000 I	28000	0 74 U	0.83 U
IG34-04-4         TERT-BUTYL METHYL ETHER         ug/kg         5.9 U         1.2 U         1.1 U         1.2 U           127-18-4         TETRACHLOROETHYLENE(PCE)         ug/kg         6.2 U         1.2 U         1.1 U         1.2 U           108-88-3         TOLUENE         ug/kg         6.2 U         1.2 U         1.1 U         1.2 U           108-88-3         TOLUENE         ug/kg         6.2 U         1.2 U         1.1 U         1.2 U           106-02-6         TRANS-1,2-DICHLOROETHENE         ug/kg         4.3 U         0.83 U         0.75 U         0.84 U           10061-02-6         TRANS-1,3-DICHLOROPROPENE         ug/kg         4.9 U         0.95 U         0.86 U         0.97 U           79-01-6         TRICHLOROETHYLENE (TCE)         ug/kg         5.3 U         1 U         0.94 U         1.1 U           75-69-4         TRICHLOROFLUOROMETHANE         ug/kg         8.1 U         1.6 U         1.4 U         1.6 U           75-01-4         VINYL CHLORIDE         ug/kg         7.6 U         1.5 U         1.3 U         1.5 U	100-42-5	STYRENE	ug/kg	890	960 I	0.49 U	0.55 U
127-18-4         TETRACHLOROETHYLENE(PCE)         ug/kg         6.2 U         1.2 U         1.1 U         1.2 U           108-88-3         TOLUENE         ug/kg         6.2 U         1.2 U         1.1 U         1.2 U           108-88-3         TOLUENE         ug/kg         15000 J         18000         1.3 J         0.78 U           156-60-5         TRANS-1,2-DICHLOROETHENE         ug/kg         4.3 U         0.83 U         0.75 U         0.84 U           10061-02-6         TRANS-1,3-DICHLOROPROPENE         ug/kg         4.9 U         0.95 U         0.86 U         0.97 U           79-01-6         TRICHLOROETHYLENE (TCE)         ug/kg         5.3 U         1 U         0.94 U         1.1 U           75-69-4         TRICHLOROFLUOROMETHANE         ug/kg         8.1 U         1.6 U         1.4 U         1.6 U           75-01-4         VINYL CHLOROIDE         ug/kg         7.6 U         1.5 U         1.3 U         1.5 U	1634-04-4	TERT-BUTYL METHYL ETHER	ug/kg	5.9 U	1.2 U	1 U	1.2 U
Instantial cluster         light         light <thlight< th="">         light         light<td>127-18-4</td><td>TETRACHLOROETHYLENE(PCE)</td><td>110/kg</td><td>6.2 U</td><td>1.2 U</td><td>111</td><td>12.1</td></thlight<>	127-18-4	TETRACHLOROETHYLENE(PCE)	110/kg	6.2 U	1.2 U	111	12.1
156-60-5         TRANS-1,2-DICHLOROETHENE         ug/kg         4.3 U         0.83 U         0.75 U         0.84 U           10061-02-6         TRANS-1,3-DICHLOROPROPENE         ug/kg         4.9 U         0.95 U         0.86 U         0.97 U           79-01-6         TRICHLOROETHYLENE (TCE)         ug/kg         5.3 U         1 U         0.94 U         1.1 U           75-69-4         TRICHLOROFLUOROMETHANE         ug/kg         8.1 U         1.6 U         1.4 U         1.6 U           75-01-4         VINYL CHLORIDE         ug/kg         7.6 U         1.5 U         1.3 U         1.5 U	108-88-3	TOLUENE	110/ko	15000 I	18000	131	0.78 U
10061-02-6         TRANS-1,3-DICHLOROPROPENE         ug/kg         4.9 U         0.95 U         0.86 U         0.97 U           79-01-6         TRICHLOROFHYLENE (TCE)         ug/kg         5.3 U         1 U         0.94 U         1.1 U           75-69-4         TRICHLOROFLUOROMETHANE         ug/kg         8.1 U         1.6 U         1.4 U         1.6 U           75-01-4         VINYL CHLORIDE         ug/kg         7.6 U         1.5 U         1.3 U         1.5 U	156-60-5	TRANS-1.2-DICHLOROETHENE	110/ko	4 3 U	0.83 U	0.75 U	0.84 U
TRICHLOROFTHYLENE (TCE)         ug/kg         7.5 U         0 0.00 U         0.00 U         0.07 U           79-01-6         TRICHLOROFTHYLENE (TCE)         ug/kg         5.3 U         1 U         0.94 U         1.1 U           75-69-4         TRICHLOROFLUOROMETHANE         ug/kg         8.1 U         1.6 U         1.4 U         1.6 U           75-01-4         VINYL CHLORIDE         ug/kg         7.6 U         1.5 U         1.3 U         1.5 U	10061-02-6	TRANS-1 3-DICHLOROPROPENE	110/kg	491	0.05 U	0.86 U	0.07 11
The intermediate (ref)         ug/kg         8.1 U         1.6 U         1.4 U         1.6 U           75-69-4         VINYL CHLORDE         ug/kg         7.6 U         1.5 U         1.3 U         1.5 U	79-01-6	TRICHLOROETHYLENE (TCF)	110/kg	53 11	1 11	0.00 U 0.94 II	11 II
75-014 VINYLCHLORIDE ug/kg 7.6 U 1.5 U 1.3 U 1.5 U	75-69-4	TRICHLOROFLUOROMETHANE	110/40	8.1 U	161	14 U	16 U
	75-01-4	VINYL CHLORIDE	110/ko	7.6 U	1.5 U	13 U	1.5 U

				Dup of MW-7(36-38)		
Con Ed - Ludlo	ow Site	Location ID:	MW- 7	MW- 7	MW- 7	MW-8
Validated Sail	Analytical Data	Samula ID:	MW 7(26 29)	MW 17(26 28)	MW 7(48 50)	MW 8(0 5 10)
vandated Soft	Analytical Data	Sample ID:	WW-/(30-38)	MW-17(30-38)	MW-/(48-50)	NIW-8(9.5-10)
SDGs: D4710,	D1751, D5300	Lab Sample Id:	D4710-03	D4710-09	D4710-04	D4751-03
		Denth:	36 - 38 ft	36 - 38 ft	48 - 50 ft	9.5 - 10 ft
		Depui.	50 - 50 It	50 - 50 R	48 - 50 11	9.5 - 10 It
		Source:	CTECH	CTECH	CTECH	CTECH
		SDG	D4710	D4710	D4710	D4751
		M .	001	001	2011 CON	001
		Matrix:	SOIL	SOIL	SOIL	SOIL
		Sampled:	10/26/2012 9:10	10/26/2012 9:15	10/26/2012 9:20	11/6/2012 14:15
		Validatadı	1/22/2012	1/22/2012	1/22/2012	1/22/2012
	I	vanuateu.	1/25/2015	1/25/2015	1/23/2013	1/23/2013
CAS NO.	COMPOUND	UNITS:				
	SEMIVOLATILES					
05 04 3	1.2.4.5 TETPACHI OPOPENZENE	na/ka	16 U	16 U	14 U	16 U
93-94-3	1,2,4,5-TETRACILOROBENZEINE	ug/kg	10 0	10 0	14 0	10 0
58-90-2	2,3,4,6-TETRACHLOROPHENOL	ug/kg	16 U	16 U	14 U	16 U
95-95-4	2.4.5-TRICHLOROPHENOL	110/kg	29.11	28 U	26 U	28 U
00.06.0		ug/ug	12 11	10 11	11 11	10 11
88-06-2	2,4,6-1 RICHLOROPHENOL	ug/kg	13 U	12 U	11 U	12 U
120-83-2	2,4-DICHLOROPHENOL	ug/kg	16 U	15 U	14 U	15 U
105 67 0	2.4 DIMETHVI DUENOI	ug/kg	23 11	23 11	21 11	23 11
105-07-9		ug/kg	23 0	23 0	21 0	23 0
51-28-5	2,4-DINITROPHENOL	ug/kg	42 U	41 U	37 U	41 UJ
121-14-2	2 4-DINITROTOLUENE	110/ko	12 U	12 U	11 U	12 U
606 20 2		ug/ug	12 0	16 11	15 U	12 0
606-20-2	2,6-DINITROTOLUENE	ug/kg	17.0	16 U	15 U	17 U
91-58-7	2-CHLORONAPHTHALENE	ug/kg	9.4 U	9.1 U	8.3 U	9.2 U
95-57-8	2-CHI OROPHENOI	ng/kg	22 11	21 II	19 U	21 11
95-57-6		ug/kg	22 0	21 0	19 0	21 0
91-57-6	2-METHYLNAPHTHALENE	ug/kg	110000	130000	9.2 U	10 U
95-48-7	2-METHYLPHENOL (O-CRESOL)	ug/kg	22 U	22 U	20 U	22 U
00 74 4			10 11	10 11	16 11	10 11
88-74-4	2-NITKOANILINE	ug/kg	18 U	18 0	16 U	18 U
88-75-5	2-NITROPHENOL	ug/kg	20 U	19 U	18 U	20 U
01 04 1	2.2' DICHI OBODENZIDINE	ng/kg	26 11	26 11	22.11	26 11
91-94-1	5,5-DICHLOROBEINZIDINE	ug/kg	20 0	20 0	25 0	20 0
MEPH3MEPH	3+4-Methylphenols	ug/kg	21 U	21 U	19 U	21 U
99-09-2	3-NITROANILINE	ug/kg	26 U	26 U	23 11	26 U
JJ=0J=2		ug/kg	20 0	20 0	25 0	20 0
534-52-1	4,6-DINITRO-2-METHYLPHENOL	ug/kg	24 U	23 U	21 U	23 UJ
101-55-3	4-BROMOPHENYL PHENYL ETHER	ug/kg	8 U	7.8 U	7.1 U	7.9 U
50 50 7	4 CHLODO 2 METHVI DUENOI		10 11	10 11	16 11	10 11
59-50-7	4-CHLORO-5-METHYLPHENOL	ug/kg	18 U	18 U	16 U	18 U
106-47-8	4-CHLOROANILINE	ug/kg	29 U	28 U	26 U	29 UJ
7005-72-3	4-CHI OROPHENVI PHENVI ETHER	ug/kg	22 11	22 11	20.11	22 11
1005-12-5		ug/kg	22 0	22.0	20 0	22 0
100-01-6	4-NITROANILINE	ug/kg	53 U	52 U	48 U	53 U
100-02-7	4-NITROPHENOL	110/ko	76 U	74 U	68 U	75 U
02 22 0			15000 I	21000 I	10 U	11 11
85-52-9	ACENAPHTHENE	ug/kg	15000 J	21000 J	10 0	11 U
208-96-8	ACENAPHTHYLENE	ug/kg	12000	16000	9.2 U	10 U
98-86-2	ACETOPHENONE	11g/kg	13 U	12 U	11 U	12 U
100 10 7	ANTUDACENE	ug/ug	12000	20000	75 11	0.2 U
120-12-7	ANTHRACENE	ug/kg	13000	20000	7.5 U	8.3 U
1912-24-9	ATRAZINE	ug/kg	22 U	21 U	19 U	21 U
100 52 7	RENZALDEUVDE	ng/kg	21 11	21.11	10 U	21 11
100-52-7	DENZALDEITIDE	ug/kg	21 0	21 0	19 0	21 0
56-55-3	BENZO(A)ANTHRACENE	ug/kg	8300	13000	17 U	260 J
50-32-8	BENZO(A)PYRENE	110/kg	5700 I	1 0000	79 U	260 I
205.00.2	DENZO(D)ELLIODANTEUENE	ug/ug	1400 J	6600 J	10 11	200 1
205-99-2	BENZO(B)FLUORANTHENE	ug/kg	4400 J	6600 J	12 U	300 J
191-24-2	BENZO(G,H,I)PERYLENE	ug/kg	2400 J	2900 J	15 U	220 J
207-08-9	BENZO(K)ELUORANTHENE	ug/kg	1700	2200	17 U	19.11
207 00 7		ug/ Kg	1700	2200	10 10	19 0
85-68-7	BENZYL BUTYL PHTHALATE	ug/kg	20 U	19 U	18 U	19 U
92-52-4	BIPHENYL (DIPHENYL)	ug/kg	7000	11000	14 U	15 U
111.01.1	DIS(2 CHI ODOETHOVY) METHANE	10 0 10/10	24 11	22.11	21 11	22 11
111-91-1	DIS(2-CHEOROETHOAT) METHANE	ug/kg	24 0	25 0	21 0	23 0
111-44-4	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	ug/kg	20 U	19 U	18 U	19 U
108-60-1	BIS(2-CHLOROISOPROPYL) FTHER	ug/kg	17 U	17 U	15 U	17 U
117 01 7		ug ug	17 0	1, 0	10 0	11 0
11/-81-/	BIS(2-ETHYLHEXYL) PHTHALATE	ug/kg	15 U	14 U	13 U	14 U
105-60-2	CAPROLACTAM	ug/kg	19 U	19 U	17 U	19 U
86-74-8	CARBAZOLE	ng/kg	550	700	8 II	8011
210.01.0	CUDVEENE	46/Kg	0000	10000	10 10	0.2 0
218-01-9	CHKISENE	ug/kg	8000	12000	17 U	290 J
53-70-3	DIBENZ(A.H)ANTHRACENE	ug/kg	720	880	11 U	12 U
132_64_0	DIBENZOFURAN	ng/kg	2200	2800	14 H	16 U
132-04-9		ug/kg	2200	2800	14 0	10 0
84-66-2	DIETHYL PHTHALATE	ug/kg	6.4 U	6.2 U	5.7 U	6.3 U
131-11-3	DIMETHYL PHTHALATE	110/kg	221 I	226 I	99 U	215 I
151 11 5		ug/ Kg	221 5	220 3	).) U	215 5
84-74-2	DI-N-BUTYL PHTHALATE	ug/kg	32 U	31 U	29 U	32 U
117-84-0	DI-N-OCTYLPHTHALATE	ug/kg	4.7 U	4.6 U	4.2 U	4.6 U
206 44 0	ELLIOD ANTHENIE	10 0 10/10	14000	22000	7211	570
200-44-0	FLUOKANTIENE	ug/kg	14000	23000	7.5 0	570
86-73-7	FLUORENE	ug/kg	22000	27000	14 U	15 U
118-74-1	HEXACHI OROBENZENE	110/kg	17 U	16 U	15 U	17 U
07 60 2	UEVACUI ODODUTADIENE	·····	17 0	10 0	10 0	1, 0
8/-08-3	HEAACHLUKUBU I ADIENE	ug/kg	15 U	15 U	13 U	15 U
77-47-4	HEXACHLOROCYCLOPENTADIENE	ug/kg	10 U	9.7 U	8.9 U	9.8 U
67 72 1	UEVACUI OPOETUANE	100 le-	10 TT	10 11	16 11	10 TT
07-72-1	TIEAACHLORUETHANE	ug/kg	18 U	18 U	10 U	18 U
193-39-5	INDENO(1,2,3-C,D)PYRENE	ug/kg	2100	2700	12 U	170 J
78-59-1	ISOPHORONE	110/40	14 II	13 U	12 II	13 H
01 00 0	NA DUTULAT DATE	46/Kg	220000	15 0	12 0	15 0
91-20-3	NAPHIHALENE	ug/kg	220000	240000	13 U	14 U
98-95-3	NITROBENZENE	ug/kg	16 U	15 U	14 U	15 U
621-64.7	N-NITROSODI-N-PROPVI AMINE	na/ka	21 11	20.11	10 11	20.11
021-04-7	IN-INITIOOUDI-IN-FRUFT LAWIIINE	ug/kg	21 U	20 0	18 U	20 0
86-30-6	N-NITROSODIPHENYLAMINE	ug/kg	9.9 U	9.6 U	8.8 U	9.7 U
87-86-5	PENTACHLOROPHENOL	uø/kø	28 U	27 U	25 U	28 U
05 01 0	DUENANTUDENE	·····	20 0	70000	25 0	400
85-01-8	PHENANTHKENE	ug/kg	60000	79000	9.9 U	480
108-95-2	PHENOL	ug/kg	9.5 U	9.2 U	8.4 U	9.4 U
120.00.0	DVDENE	10-10-	26000	24000 T	00 11	550
127-00-0	I INLUL	ug/kg	20000	34000 J	0.8 U	550

				Dup of MW-7(36-38)		
Con Ed - Lud	low Site	Location ID:	MW- 7	MW- 7	MW- 7	MW-8
Validated Soi	l Analytical Data	Sample ID:	MW-7(36-38)	MW-17(36-38)	MW-7(48-50)	MW-8(9.5-10)
SDGs: D4710	), D1751, D5300	Lab Sample Id:	D4710-03	D4710-09	D4710-04	D4751-03
		Depth:	36 - 38 ft	36 - 38 ft	48 - 50 ft	9.5 - 10 ft
		Source:	CTECH	CTECH	CTECH	CTECH
		SDG:	D4710	D4710	D4710	D4751
		Matrix:	SOIL	SOIL	SOIL	SOIL
		Sampled:	10/26/2012 9:10	10/26/2012 9:15	10/26/2012 9:20	11/6/2012 14:15
		Validated:	1/23/2013	1/23/2013	1/23/2013	1/23/2013
CAS NO.	COMPOUND	UNITS:				
	INORGANICS					
7429-90-5	ALUMINUM	mg/kg	7150	6870	2050	4920 J
7440-36-0	ANTIMONY	mg/kg	0.28 U	0.28 U	0.25 U	0.28 UJ
7440-38-2	ARSENIC	mg/kg	2.45	2.47	1.55	9.24 J
7440-39-3	BARIUM	mg/kg	57.6	54	36.9	73 J
7440-41-7	BERYLLIUM	mg/kg	0.28	0.29	0.08 J	0.03 U
7440-43-9	CADMIUM	mg/kg	0.48	0.45	0.03 J	1.32
7440-70-2	CALCIUM	mg/kg	1350	1340	709	3220 J
7440-47-3	CHROMIUM, TOTAL	mg/kg	13.6 J	13.7 J	4.91 J	31.2 J
7440-48-4	COBALT	mg/kg	7.95	7.44	2.66	6.63
7440-50-8	COPPER	mg/kg	16 J	16.2 J	8.56 J	93.7 J
7439-89-6	IRON	mg/kg	22400	21300	5950	33500
7439-92-1	LEAD	mg/kg	14.4	14.6	3.07	170
7439-95-4	MAGNESIUM	mg/kg	3170	3100	1310	2310 J
7439-96-5	MANGANESE	mg/kg	180	135	44.7	240 J
7439-97-6	MERCURY	mg/kg	0.011 J	0.006 J	0.003 J	4.03
7440-02-0	NICKEL	mg/kg	23	22	8.83	19.4
7440-09-7	POTASSIUM	mg/kg	1980	1960	562	1530 J
7782-49-2	SELENIUM	mg/kg	0.21 U	0.21 U	0.52	0.57
7440-22-4	SILVER	mg/kg	0.5	0.47	0.1 J	0.36
7440-23-5	SODIUM	mg/kg	2090	2190	195	627 J
7440-28-0	THALLIUM	mg/kg	0.46 J	0.48 J	0.12 U	1.23
7440-62-2	VANADIUM	mg/kg	18	17.7	5.98	15.3 J
7440-66-6	ZINC	mg/kg	36.1	39.3	13.7	96.8
57-12-5	CYANIDE	mg/kg	0.29 J	0.362	0.171 J	0.097 J

Con Ed - Ludle	Con Ed - Ludlow Site		MW-8	MW-9	MW-9	SB- 9
Validated Soil	Analytical Data	Sample ID:	MW-8(24 5-25)	MW-9(9-9.5)	MW-9(35-35 5)	SB-9(5-8)
SDGe: D4710	D1751 D5300	Lab Sample Id:	D4751 04	D4751.06	D4751.05	D4710.07
SD08. D4710,	D1751, D5500	Donth:	24.5 25.6	D4/31-00	25 25 5 ft	5 8 4
		Depth:	24.5 - 25 II	9 - 9.5 II	55 - 55.5 IL	5 - 8 IL
		Source:	CIECH	CIECH	CIECH	CIECH
		SDG:	D4/51	D4/51	D4/51	D4/10
		Matrix:	SOIL	SOIL	SOIL	SOIL
		Sampled:	11/6/2012 14:20	11/6/2012 10:00	11/6/2012 10:05	10/26/2012 14:15
		Validated:	1/23/2013	1/23/2013	1/23/2013	1/23/2013
CAS NO.	COMPOUND	UNITS:				
	VOLATILES					
71-55-6	1,1,1-TRICHLOROETHANE	ug/kg	1.1 U	0.95 U	0.99 U	0.99 U
79-34-5	1,1,2,2-TETRACHLOROETHANE	ug/kg	0.59 U	0.5 U	0.52 U	0.52 UJ
76-13-1	1.1.2-TRICHLORO-1.2.2-TRIFLUOROETHANE	ug/kg	1.7 U	1.4 U	1.5 U	1.5 U
79-00-5	1.1.2-TRICHLOROETHANE	ug/kg	1.2 U	0.97 U	1 U	1 UJ
75-34-3	1 1-DICHLOROETHANE	nø/kø	12 U	1 U	11 U	11 U
75-35-4	1 1-DICHI OROFTHENE	ug/kg	19 U	16 U	16 U	1.7 U
87-61-6	1.2.3-TRICHLOROBENZENE	ug/kg	0.64 U	0.54 U	0.56 U	0.56 UI
120.92.1	1.2.4 TRICHLORODENZENE	ug/kg	0.04 U	0.54 U	0.50 U	0.50 UJ
120-82-1	1,2,4-TRICHLOROBENZENE	ug/kg	0.9 U	0.76 U	0.78 U	0.79 UJ
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	ug/kg	1.1 UJ	0.94 UJ	0.98 UJ	0.98 UJ
106-93-4	1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	ug/kg	0.82 U	0.69 U	0.72 U	0.72 UJ
95-50-1	1,2-DICHLOROBENZENE	ug/kg	0.79 U	0.67 U	0.7 U	0.7 UJ
107-06-2	1,2-DICHLOROETHANE	ug/kg	0.82 U	0.69 U	0.72 U	0.72 UJ
78-87-5	1,2-DICHLOROPROPANE	ug/kg	0.33 U	0.28 U	0.29 U	0.29 UJ
541-73-1	1,3-DICHLOROBENZENE	ug/kg	0.47 U	0.4 U	0.41 U	0.42 UJ
106-46-7	1,4-DICHLOROBENZENE	ug/kg	0.53 U	0.44 U	0.46 U	0.46 UJ
123-91-1	1,4-DIOXANE (P-DIOXANE)	ug/kg	64 U	54 U	55 U	56 UJ
591-78-6	2-HEXANONE	ug/kg	5 U	4.2 U	4.4 U	4.4 UJ
67-64-1	ACETONE	11g/kg	39 U	3 3 U	34 U	140
71-43-2	BENZENE	ug/kg	0.49 U	0.41 U	0.43 U	28 1
74-97-5	BROMOCHLOROMETHANE	ug/kg	1 U	0.85 U	0.45 U	0.89 U
75 27 4	BROMODICHLOROMETHANE	ug/kg	0.70 U	0.67 U	0.07 U	0.07 UI
75 25 2	PROMOEORM	ug/kg	0.79 U	0.07 U	0.7 0	0.7 UJ
73-23-2	DROMOFORM	ug/kg	0.95 U	0.8 U	0.65 U	0.65 UJ
74-83-9	BROMOMETHANE	ug/kg	5.1 U	2.0 U	2.7 0	2.8 U
/5-15-0	CARBON DISULFIDE	ug/kg	1.4 U	1.1 U	1.2 U	1.2 U
56-23-5	CARBON TETRACHLORIDE	ug/kg	1.3 U	1.1 U	1.1 U	1.1 UJ
108-90-7	CHLOROBENZENE	ug/kg	0.64 U	0.54 U	0.56 U	0.56 UJ
75-00-3	CHLOROETHANE	ug/kg	1.8 U	1.5 U	1.6 U	1.6 U
67-66-3	CHLOROFORM	ug/kg	0.95 U	0.8 U	0.83 U	0.83 U
74-87-3	CHLOROMETHANE	ug/kg	1.1 U	0.93 U	0.96 U	0.97 U
156-59-2	CIS-1,2-DICHLOROETHYLENE	ug/kg	1.1 U	0.96 U	1 U	1 U
10061-01-5	CIS-1,3-DICHLOROPROPENE	ug/kg	0.92 U	0.78 U	0.81 U	0.81 UJ
110-82-7	CYCLOHEXANE	ug/kg	1.3 U	1.1 U	1.1 U	1.1 U
124-48-1	DIBROMOCHLOROMETHANE	ug/kg	0.69 U	0.58 U	0.61 U	0.61 UJ
75-71-8	DICHLORODIEL UOROMETHANE	110/kg	0.83 U	07 U	0.73 U	0.73 U
100-41-4	ETHVI BENZENE	ug/kg	0.79 U	0.7 U	07 U	311
08 87 8	ISODODVI BENZENE (CUMENE)	ug/kg	0.62 U	0.57 U	0.54 U	0.54 UI
70-02-0 VVI MD	M D XVI ENE (SUM OF ISOMEDS)	ug/kg	0.02 U	0.52 U	0.54 U	0.54 05
ATLMP	M.P-AILENE (SUM OF ISOMERS)	ug/kg	0.92 U	0.78 U	0.81 U	2.1 J
79-20-9	METHIL ACEIAIE	ug/kg	1.9 U	1.0 U	1.7 0	1.7 U
78-93-3	METHYL ETHYL KETONE (2-BUTANONE)	ug/kg	4 U	3.4 U	3.5 U	3.5 U
108-10-1	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	ug/kg	3.7 U	3.2 U	3.3 U	3.3 UJ
108-87-2	METHYLCYCLOHEXANE	ug/kg	1.4 U	1.1 U	1.2 U	1.2 UJ
75-09-2	METHYLENE CHLORIDE	ug/kg	11 UJ	5.8 UJ	5.6 UJ	50 UJ
95-47-6	O-XYLENE (1,2-DIMETHYLBENZENE)	ug/kg	0.87 U	0.73 U	0.76 U	0.76 UJ
100-42-5	STYRENE	ug/kg	0.58 U	0.49 U	0.5 U	0.51 UJ
1634-04-4	TERT-BUTYL METHYL ETHER	ug/kg	1.2 U	1 U	1.1 U	1.1 U
127-18-4	TETRACHLOROETHYLENE(PCE)	ug/kg	1.3 U	1.1 U	1.1 U	1.1 UJ
108-88-3	TOLUENE	ug/kg	0.82 U	0.69 U	0.72 U	11 J
156-60-5	TRANS-1.2-DICHLOROETHENE	ug/ko	0.88 U	0.75 U	0.77 U	0.78 U
10061-02-6	TRANS-1 3-DICHLOROPROPENE	110/20	1 11	0.85 11	0.80 11	0.90 11
70.01.6	TDICHI ODOETUVI ENE (TCE)	ug/Kg	111	0.03 U	0.07 U	0.07 11
75 60 4	TRICHLOROETHTLENE (TCE)	ug/Kg	1.1 U	1 4 11	1.5 11	0.97 UJ
75-09-4		ug/Kg	1./ U	1.4 U	1.5 U	1.5 U
/3-01-4	VINTL CHLUKIDE	ug/kg	1.6 U	1.3 U	1.4 U	1.4 U

Con Ed - Ludlow Site		Location ID:	MW-8	MW-9	MW-9	SB- 9
Validated Soil	Analytical Data	Sample ID:	MW-8(24.5-25)	MW-9(9-9.5)	MW-9(35-35.5)	SB-9(5-8)
SDGs: D4710,	D1751, D5300	Lab Sample Id:	D4751-04	D4751-06	D4751-05	D4710-07
		Depth:	24.5 - 25 ft	9 - 9.5 ft	35 - 35.5 ft	5 - 8 ft
		Source:	CTECH	CTECH	CTECH	CTECH
		SDG:	D4751	D4751	D4751	D4710
		Matrix:	SOIL	SOIL	SOIL	SOIL
		Sampled:	11/6/2012 14:20	11/6/2012 10:00	11/6/2012 10:05	10/26/2012 14:15
		Validated:	1/23/2013	1/23/2013	1/23/2013	1/23/2013
CAS NO.	COMPOUND	UNITS:				
	SEMIVOLATILES					
95-94-3	1,2,4,5-TETRACHLOROBENZENE	ug/kg	17 U	14 U	15 U	15 U
58-90-2	2,3,4,6-TETRACHLOROPHENOL	ug/kg	17 U	14 U	15 U	15 U
95-95-4	2,4,5-TRICHLOROPHENOL	ug/kg	30 U	25 U	26 U	26 U
88-06-2	2,4,6-TRICHLOROPHENOL	ug/kg	13 U	11 U	11 U	11 U
120-83-2	2,4-DICHLOROPHENOL	ug/kg	16 U	14 U	14 U	14 U
105-67-9	2,4-DIMETHYLPHENOL	ug/kg	24 U	21 U	21 U	21 U
51-28-5	2,4-DINITROPHENOL	ug/kg	43 UJ	37 UJ	38 UJ	38 U
121-14-2	2,4-DINITROTOLUENE	ug/kg	13 U	11 U	11 U	11 U
606-20-2	2,6-DINITROTOLUENE	ug/kg	17 U	15 U	15 U	15 U
91-58-7	2-CHLORONAPHTHALENE	ug/kg	9.7 U	8.2 U	8.5 U	8.5 U
95-57-8	2-CHLOROPHENOL	ug/kg	22 U	19 U	20 U	20 U
91-57-6	2-METHYLNAPHTHALENE	ug/kg	11 U	9.1 U	9.4 U	9.4 U
95-48-7	2-METHYLPHENOL (O-CRESOL)	ug/kg	23 U	20 U	20 U	20 U
88-74-4	2-NITROANILINE 2 NITRODUENOL	ug/kg	19 U 21 U	16 U	17 U 19 U	17 U 19 U
88-75-5	2-NITROPHENOL	ug/kg	21 U	17 U 22 U	18 U	18 U
91-94-1 MEDU2MEDU	3,5-DICHLOROBENZIDINE	ug/kg	27 U 22 U	25 U	24 U 10 U	24 U 10 U
MEPH5MEPH	2 NITROANILINE	ug/kg	22 U 27 U	19 U 22 U	19 U 24 U	19 U 24 U
534 52 1	4.6 DINITRO 2 METUVI PHENOI	ug/kg	27 U 24 U	25 U 21 UI	24 U 21 U	24 U 21 U
101 55 3	4 RROMODUENVI DUENVI ETHER	ug/kg	24 U 83 U	21 UJ 7 1 U	21 U 7 3 U	21 U 7 3 U
59-50-7	4-DROMOTHENTE THENTE ETHER	ug/kg	10 U	7.1 U 16 U	17 U	17 U
106-47-8	4-CHLOROANII INF	ug/kg ug/kg	30 UI	26 UI	26 UI	26 U
7005-72-3	4-CHLOROPHENYL PHENYL ETHER	ug/kg	23 U	20 U	20 U	20 U
100-01-6	4-NITROANILINE	ug/kg	55 U	47 U	49 U	49 U
100-02-7	4-NITROPHENOL	ug/kg	79 U	67 U	69 U	69 U
83-32-9	ACENAPHTHENE	ug/kg	12 U	10 U	11 U	11 U
208-96-8	ACENAPHTHYLENE	ug/kg	11 U	9.1 U	9.4 U	9.4 U
98-86-2	ACETOPHENONE	ug/kg	13 U	11 U	11 U	11 U
120-12-7	ANTHRACENE	ug/kg	8.7 U	7.4 U	7.6 U	7.6 U
1912-24-9	ATRAZINE	ug/kg	22 U	19 U	20 U	20 U
100-52-7	BENZALDEHYDE	ug/kg	22 U	19 U	19 U	20 U
56-55-3	BENZO(A)ANTHRACENE	ug/kg	20 U	17 U	18 U	290 J
50-32-8	BENZO(A)PYRENE	ug/kg	9.2 U	7.8 U	8.1 U	280 J
205-99-2	BENZO(B)FLUORANTHENE	ug/kg	14 U	12 U	12 U	380 J
191-24-2	BENZO(G,H,I)PERYLENE	ug/kg	17 U	15 U	15 U	170 J
207-08-9	BENZO(K)FLUORANTHENE	ug/kg	20 U	17 U	18 U	18 U
85-68-7	BENZYL BUTYL PHTHALATE	ug/kg	20 U	17 U	18 U	18 U
92-52-4	BIPHENYL (DIPHENYL)	ug/kg	16 U	14 U	14 U	14 U
111-91-1	BIS(2-CHLOROETHOXY) METHANE	ug/kg	25 U	21 U	22 U	22 U
111-44-4	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	ug/kg	20 U	17 U	18 U	18 U
108-60-1	BIS(2-CHLOROISOPROPYL) ETHER	ug/kg	18 U	15 U	15 U	15 U
11/-81-/	BIS(2-EIHYLHEXYL) PHIHALAIE	ug/kg	15 U 20 U	15 U 17 U	13 U	13 U
105-00-2		ug/kg	20 U 0.2 U	17 U 70 U	17 U 8 2 U	17 U 8 2 U
218 01 0	CHRVSENE	ug/kg	9.5 U 10 U	16 U	8.2 U 17 U	3.2 U 320 I
53-70-3	DIBENZ(A H)ANTHRACENE	ug/kg	19 U	10 U	17 U	11 U
132-64-9	DIBENZOFURAN	ug/kg ug/kg	12 U 17 U	10 U 14 U	15 U	15 U
84-66-2	DIETHYL PHTHALATE	ug/kg ug/kg	66 U	56 U	58 U	58 U
131-11-3	DIMETHYL PHTHALATE	ug/kg	221 J	292 J	200 J	161 J
84-74-2	DI-N-BUTYL PHTHALATE	ug/kg	33 U	28 U	29 U	29 U
117-84-0	DI-N-OCTYLPHTHALATE	ug/kg	4.9 U	4.1 U	4.3 U	4.3 U
206-44-0	FLUORANTHENE	ug/kg	8.6 U	7.3 U	7.5 U	560
86-73-7	FLUORENE	ug/kg	16 U	14 U	14 U	14 U
118-74-1	HEXACHLOROBENZENE	ug/kg	17 U	15 U	15 U	15 U
87-68-3	HEXACHLOROBUTADIENE	ug/kg	15 U	13 U	14 U	14 U
77-47-4	HEXACHLOROCYCLOPENTADIENE	ug/kg	10 U	8.8 U	9.1 U	9.1 U
67-72-1	HEXACHLOROETHANE	ug/kg	19 U	16 U	17 U	17 U
193-39-5	INDENO(1,2,3-C,D)PYRENE	ug/kg	14 U	12 U	12 U	190 J
78-59-1	ISOPHORONE	ug/kg	14 U	12 U	12 U	12 U
91-20-3	NAPHTHALENE	ug/kg	15 U	12 U	13 U	13 U
98-95-3	NITROBENZENE	ug/kg	16 U	14 U	14 U	14 U
621-64-7	N-NITROSODI-N-PROPYLAMINE	ug/kg	21 U	18 U	19 U	19 U
86-30-6	N-NITROSODIPHEN YLAMINE	ug/kg	10 U	8.7 U	9 U	9 U
8/-86-5	PEN I ACHLUKUPHENUL	ug/kg	29 U	25 U	26 U	26 U
03-01-8	FRENANTRENE DUENOI	ug/Kg		9.8 U	10 U	520 J
129_00_0	PYRENE	ug/kg	9.8 U 10 U	8.4 U 8.7 II	8.0 U 0 II	8.0 U 470
127-00-0		ug/Kg	10 0	0./ U	90	470

Con Ed - Lud	low Site	Location ID:	MW-8	MW-9	MW-9	SB- 9
Validated Soi	l Analytical Data	Sample ID:	MW-8(24.5-25)	MW-9(9-9.5)	MW-9(35-35.5)	SB-9(5-8)
SDGs: D4710	), D1751, D5300	Lab Sample Id:	D4751-04	D4751-06	D4751-05	D4710-07
		Depth:	24.5 - 25 ft	9 - 9.5 ft	35 - 35.5 ft	5 - 8 ft
		Source:	CTECH	CTECH	CTECH	CTECH
		SDG:	D4751	D4751	D4751	D4710
		Matrix:	SOIL	SOIL	SOIL	SOIL
		Sampled:	11/6/2012 14:20	11/6/2012 10:00	11/6/2012 10:05	10/26/2012 14:15
		Validated:	1/23/2013	1/23/2013	1/23/2013	1/23/2013
CAS NO.	COMPOUND	UNITS:				
	INORGANICS					
7429-90-5	ALUMINUM	mg/kg	8550 J	13400 J	2710 J	7070
7440-36-0	ANTIMONY	mg/kg	0.3 UJ	0.26 UJ	0.26 UJ	0.26 U
7440-38-2	ARSENIC	mg/kg	2.16 J	0.15 U	0.75 J	7.78
7440-39-3	BARIUM	mg/kg	85.6 J	177 J	60.2 J	157
7440-41-7	BERYLLIUM	mg/kg	0.33	0.13 J	0.07 J	0.11 J
7440-43-9	CADMIUM	mg/kg	0.66	2.17	0.19	1.24
7440-70-2	CALCIUM	mg/kg	1870 J	2660 J	13000 J	5480
7440-47-3	CHROMIUM, TOTAL	mg/kg	15.8 J	28.1 J	6.01 J	16.7 J
7440-48-4	COBALT	mg/kg	10.7	27.8	3.85	7.34
7440-50-8	COPPER	mg/kg	18.8 J	7.84 J	8.4 J	44.1 J
7439-89-6	IRON	mg/kg	24400	41900	6990	29900
7439-92-1	LEAD	mg/kg	16.1	17.4	4.01	462
7439-95-4	MAGNESIUM	mg/kg	4040 J	7840 J	6590 J	2280
7439-96-5	MANGANESE	mg/kg	427 J	251 J	192 J	284
7439-97-6	MERCURY	mg/kg	0.002 U	0.425	0.002 U	2.33
7440-02-0	NICKEL	mg/kg	26.5	48.6	10.6	21.2
7440-09-7	POTASSIUM	mg/kg	2600 J	10700 J	860 J	655
7782-49-2	SELENIUM	mg/kg	0.26 J	0.5	0.19 U	0.49
7440-22-4	SILVER	mg/kg	0.57	0.23 J	0.07 U	0.79
7440-23-5	SODIUM	mg/kg	662 J	402 J	1080 J	1150
7440-28-0	THALLIUM	mg/kg	0.52 J	0.12 U	0.12 U	1.13
7440-62-2	VANADIUM	mg/kg	21.2 J	38.8 J	9.23 J	16.7
7440-66-6	ZINC	mg/kg	47.2	97.6	14.5	268
57-12-5	CYANIDE	mg/kg	0.042 U	0.087 J	0.075 J	0.211 J

Con Ed - Ludle	ow Site	Location ID:	SB- 9	SB-10	SB-10	SB-11
Validated Soil	Analytical Data	Sample ID:	SB-9(28-30)	SB-10(30-32)	SB-10(45-47)	SB-11(5-5-5)
SDGe: D4710	D1751 D5300	Lab Sample Id:	D4710.08	D4710.01	D4710.02	D4751 01
SD08. D4710,	D1751, D5500	Donth:	28 20 ft	20 22 6	15 47 ft	D4/31-01
		Depth:	28 - 50 II	50 - 52 II	45 - 47 IL	5 - 5.5 IL
		Source:	CIECH	CIECH	CIECH	CTECH
		SDG:	D4710	D4710	D4710	D4751
		Matrix:	SOIL	SOIL	SOIL	SOIL
		Sampled:	10/26/2012 14:55	10/25/2012 12:10	10/25/2012 12:40	11/6/2012 12:05
		Validated:	1/23/2013	1/23/2013	1/23/2013	1/23/2013
CAS NO.	COMPOUND	UNITS:				
	VOLATILES					
71-55-6	1,1,1-TRICHLOROETHANE	ug/kg	1.1 U	5.3 U	1.1 U	1.2 U
79-34-5	1.1.2.2-TETRACHLOROETHANE	ug/kg	0.6 U	R	0.55 U	0.64 U
76-13-1	1.1.2-TRICHLORO-1.2.2-TRIFLUOROETHANE	ug/kg	1.7 U	8 U	1.6 U	1.8 U
79-00-5	1.1.2-TRICHLOROETHANE	ug/kg	1.2 U	5.4 U	1.1 U	1.2 U
75-34-3	1 1-DICHLOROETHANE	11g/kg	12 1	57 U	11 U	13 U
75-35-4	1 1-DICHI OROFTHENE	ug/kg	19 1	89 U	18 U	2 11
87-61-6	1.2.3-TRICHLOROBENZENE	ug/kg	0.65 U	0.9 C	0.6 U	0.60 U
120 82 1	1.2.4 TRICHLOROBENZENE	ug/kg	0.05 U	D	0.84 U	0.07 U
120-82-1	1,2,4-TRICHLOROBENZENE	ug/kg	0.91 U	R D	0.64 U	1.2 11
90-12-0	1,2-DIBROMOETHANE (ETHMLENE DIDBOMIDE)	ug/kg	1.1 U	20.11	0.77 U	1.2 UJ
106-93-4	1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	ug/kg	0.83 U	3.9 0	0.77 U	0.89 U
95-50-1	1,2-DICHLOROBENZENE	ug/kg	0.81 U	R	0.75 U	0.86 U
107-06-2	1,2-DICHLOROETHANE	ug/kg	0.83 U	3.9 U	0.77 U	0.89 U
78-87-5	1,2-DICHLOROPROPANE	ug/kg	0.34 U	1.6 U	0.31 U	0.36 U
541-73-1	1,3-DICHLOROBENZENE	ug/kg	0.48 U	R	0.45 U	0.51 U
106-46-7	1,4-DICHLOROBENZENE	ug/kg	0.53 U	R	0.49 U	0.57 U
123-91-1	1,4-DIOXANE (P-DIOXANE)	ug/kg	65 U	300 U	60 U	69 U
591-78-6	2-HEXANONE	ug/kg	5.1 U	24 U	4.7 U	5.4 U
67-64-1	ACETONE	ug/kg	17 J	18 U	3.6 U	4.2 U
71-43-2	BENZENE	ug/kg	7.9	210000	0.46 U	0.53 U
74-97-5	BROMOCHLOROMETHANE	ug/kg	1 U	4.8 U	0.95 U	1.1 U
75-27-4	BROMODICHLOROMETHANE	ug/kg	0.81 U	3.7 U	0.75 U	0.86 U
75-25-2	BROMOFORM	ug/kg	0.96 U	4.5 U	0.89 U	1 U
74-83-9	BROMOMETHANE	ug/kg	3.2 U	15 U	3 U	3.4 U
75-15-0	CARBON DISULFIDE	ug/kg	14 U	41	13 U	2.8 I
56-23-5	CARBON TETRACHI ORIDE	ug/kg	13 U	6 U	1.2 U	1.4 U
108-90-7	CHLOROBENZENE	ug/kg	0.65 U	3 11	0.6 U	0.69 U
75-00-3	CHLOROFTHANE	ug/kg	18 U	85 U	1.7 U	19 U
67 66 3	CHLOROEDMAL	ug/kg	0.06 U	4.5 U	0.80 U	1.9 U
74 87 3	CHLORONORM	ug/kg	1.1 U	4.5 U	1.11	1211
156 50 2	CIS 1.2 DICHLODOETHYLENE	ug/kg	1.1 U	5.2 U	111	1.2 U
10061 01 5	CIS-1,2-DICHLOROPEDDENE	ug/kg	1.2 U	J.4 U	1.1 U	1.2 U
10061-01-5	CIS-1,5-DICHLOROPROPENE	ug/kg	0.94 U	4.5 0	0.87 U	10
110-82-7	CYCLOHEXANE DIDDOMOGULODOMETULOUT	ug/kg	1.3 U	5/	1.2 U	1.4 U
124-48-1	DIBROMOCHLOROMETHANE	ug/kg	0.7 U	3.3 U	0.65 U	0.75 U
75-71-8	DICHLORODIFLUOROMETHANE	ug/kg	0.84 U	3.9 U	0.78 U	0.9 U
100-41-4	ETHYLBENZENE	ug/kg	2 J	540000	0.75 U	0.86 U
98-82-8	ISOPROPYLBENZENE (CUMENE)	ug/kg	0.62 U	29000 J	0.58 U	0.67 U
XYLMP	M,P-XYLENE (SUM OF ISOMERS)	ug/kg	1.5 J	470000	0.87 U	1 U
79-20-9	METHYL ACETATE	ug/kg	2 U	9.1 U	1.8 U	2.1 U
78-93-3	METHYL ETHYL KETONE (2-BUTANONE)	ug/kg	4 U	19 U	3.7 U	4.3 U
108-10-1	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	ug/kg	3.8 U	18 U	3.5 U	4.1 U
108-87-2	METHYLCYCLOHEXANE	ug/kg	1.4 U	180	1.3 U	1.5 U
75-09-2	METHYLENE CHLORIDE	ug/kg	25 UJ	160 J	7.1 UJ	8.7 UJ
95-47-6	O-XYLENE (1,2-DIMETHYLBENZENE)	ug/kg	0.88 U	220000	0.82 U	0.94 U
100-42-5	STYRENE	ug/kg	0.58 U	7100 J	0.54 U	0.62 U
1634-04-4	TERT-BUTYL METHYL ETHER	ug/kg	1.2 U	5.8 U	1.2 U	1.3 U
127-18-4	TETRACHLOROETHYLENE(PCF)	ug/ko	13 U	61 U	12.11	1.5 C
108-88-3	TOLLIENE	110/kg	591	510000	0.77 U	0.89 U
156-60-5	TRANS-1 2-DICHLOROETHENE	110/kg	0.9 U	4 2 U	0.83 U	0.96 U
10061-02-6	TRANS-13-DICHLOROPROPENE	ug/kg	1 U	48 U	0.05 U	11 U
79-01-6	TRICHLOROFTHVI ENE (TCE)	ug/Kg	1111	4.0 U 5 2 II	1 11	1.1 U
75-69-4	TRICHLOROFI LIOROMETHANE	ug/Kg	1.1 U	9.2 U Q II	16 11	1.2 U
75-01-4	VINVL CHLORIDE	ug/kg	1.7 U 1.6 U	7411	1.0 0	1.0 U
10-01-4	THE CHEORIDE	ug/Kg	1.0 0	7. <del>4</del> U	1.5 U	1.7 U

Con Ed - Ludle	w Site	Location ID:	SB- 9	SB-10	SB-10	SB-11
Validated Soil	Analytical Data	Sample ID:	SB-9(28-30)	SB-10(30-32)	SB-10(45-47)	SB-11(5-5-5)
SDGs: D4710	D1751 D5300	Lab Sample Id:	D4710-08	D4710-01	D4710-02	D4751-01
5003. 04/10,	D1751, D5500	Denth:	28 - 30 ft	30 = 32  ft	45 - 47 ft	5 - 5 5 ft
		Source:	CTECH	CTECH	CTECH	CTECH
		Source.	D4710	D4710	D4710	D4751
		SDG.	D4/10	D4/10	D4/10	D4/31
		Mairix:	SOIL 10/26/2012 14:55	SUIL 10/25/2012 12:10	SUIL 10/25/2012 12:40	SUIL 11/6/2012 12:05
		Sampled:	10/26/2012 14:55	10/25/2012 12:10	10/25/2012 12:40	1/6/2012 12:05
CAGNO	COMPOUND	vandated:	1/25/2015	1/25/2015	1/25/2015	1/25/2015
CAS NO.	COMPOUND	UNITS:				
05.04.2	SEMIVULATILES		17.11	490 11	16 11	10 11
58 00 2	2.2.4.5 TETRACHLOROBENZENE	ug/kg	17 U	480 U 480 U	10 U	18 U 18 U
38-90-2 05 05 4	2,5,4,0-1ETRACHLOROFHENOL	ug/kg	17 U 20 U	460 U 850 U	28 U	10 U 22 U
93-93-4	2,4,5-TRICHLOROFHENOL	ug/kg	50 U	850 U 270 U	20 U	32 U
88-00-2	2,4,0-TRICHLOROPHENOL	ug/kg	15 U	570 U	12 U	14 U
120-63-2	2,4-DICHLOROFHENOL	ug/kg	10 U 25 U	400 U	15 U	16 U
103-07-9	2,4-DIMETHILFHENOL	ug/kg	23 U 44 U	1200 U	25 U 41 U	20 U 47 UI
51-28-5	2,4-DINITROPHENOL	ug/kg	44 U 12 U	1200 U 270 U	41 U	47 UJ
121-14-2	2,4-DINITROTOLUENE	ug/kg	13 U	570 U	12 U	14 U 10 U
606-20-2	2,6-DINTROTOLUENE	ug/kg	18 U	500 U	16 U	19 U
91-58-7	2-CHLORUNAPHTHALENE	ug/kg	9.9 U	280 U	9.1 U	
95-57-8	2-CHLOROPHENOL	ug/kg	23 U	640 U	21 U	24 U
91-57-6	2-METHYLNAPHTHALENE	ug/kg	11 U 22 U	2800000	10 U	12 U
95-48-7	2-METHYLPHENOL (O-CRESOL)	ug/kg	23 U	660 U	22 U	25 U
88-74-4	2-NITROANILINE	ug/kg	19 U	540 U	18 U	21 U 22 U
88-75-5	2-NITROPHENOL	ug/kg	21 U 20 V	590 U	19 U	22 U
91-94-1	3,3'-DICHLOROBENZIDINE	ug/kg	28 U	780 U	26 U	30 U
MEPH3MEPH	3+4-Methylphenols	ug/kg	22 U	630 U	21 U	24 U
99-09-2	3-NITROANILINE	ug/kg	28 U	780 U	26 U	30 U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	ug/kg	25 U	700 U	23 U	27 UJ
101-55-3	4-BROMOPHENYL PHENYL ETHER	ug/kg	8.4 U	240 U	7.8 U	9 U
59-50-7	4-CHLORO-3-METHYLPHENOL	ug/kg	19 U	540 U	18 U	21 U
106-47-8	4-CHLOROANILINE	ug/kg	30 U	860 U	28 U	33 UJ
/005-72-3	4-CHLOROPHENYL PHENYL ETHER	ug/kg	23 U	660 U	22 U	25 U
100-01-6	4-NITROANILINE	ug/kg	56 U	1600 U	52 U	60 U
100-02-7	4-NITROPHENOL	ug/kg	80 U	2300 U	74 U	86 U
83-32-9	ACENAPHTHENE	ug/kg	12 U	320000 J	11 U 200 I	13 U
208-96-8	ACENAPHIHILENE	ug/kg	11 U	370000	200 J	12 U
98-86-2	ACETOPHENONE ANTUD ACENIE	ug/kg	13 U	370 U 270000	12 U 8 2 U	14 U
120-12-7	ATD AZINE	ug/kg	8.8 U	570000 640 U	8.2 U 21 U	9.4 U 24 U
1912-24-9	RENZALDEUVDE	ug/kg	23 U 23 U	640 U	21 U 21 U	24 U 24 U
56-55-3	BENZO(A)ANTHRACENE	ug/kg	25 U 21 U	220000	10 U	24 U 22 U
50-32-8	BENZO(A)PYRENE	ug/kg	9311	150000 I	87 U	10 U
205-99-2	BENZO(R)FLUOR ANTHENE	ug/kg	14 U	97000 J	13 U	10 U
191-24-2	BENZO(G H DPERYLENE	ug/kg	18 U	42000 J	16 U	19 U
207-08-9	BENZO(K)FLUORANTHENE	ug/kg	20 U	32000	10 U	22 U
85-68-7	BENZYI, BUTYI, PHTHALATE	ug/kg	20 U 21 U	580 U	19 U	22 U
92-52-4	BIPHENYL (DIPHENYL)	ug/kg	16 U	200000	15 U	17 U
111-91-1	BIS(2-CHLOROETHOXY) METHANE	ug/kg	25 U	700 U	23 U	27 U
111-44-4	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	ug/kg	21 U	580 U	19 U	22 U
108-60-1	BIS(2-CHLOROISOPROPYL) ETHER	ug/kg	18 U	500 U	17 U	19 U
117-81-7	BIS(2-ETHYLHEXYL) PHTHALATE	ug/kg	15 U	430 U	14 U	16 U
105-60-2	CAPROLACTAM	ug/kg	20 U	570 U	19 U	22 U
86-74-8	CARBAZOLE	ug/kg	9.5 U	13000	8.8 U	10 U
218-01-9	CHRYSENE	ug/kg	20 U	220000	18 U	21 U
53-70-3	DIBENZ(A,H)ANTHRACENE	ug/kg	12 U	12000	12 U	13 U
132-64-9	DIBENZOFURAN	ug/kg	17 U	43000	16 U	18 U
84-66-2	DIETHYL PHTHALATE	ug/kg	6.7 U	190 U	6.3 U	7.2 U
131-11-3	DIMETHYL PHTHALATE	ug/kg	12 U	330 U	11 U	296 J
84-74-2	DI-N-BUTYL PHTHALATE	ug/kg	34 U	960 U	32 U	36 U
117-84-0	DI-N-OCTYLPHTHALATE	ug/kg	4.9 U	140 U	4.6 U	5.3 U
206-44-0	FLUORANTHENE	ug/kg	8.7 U	400000	8.1 U	9.3 U
86-73-7	FLUORENE	ug/kg	16 U	550000	15 U	17 U
118-74-1	HEXACHLOROBENZENE	ug/kg	18 U	500 U	16 U	19 U
87-68-3	HEXACHLOROBUTADIENE	ug/kg	16 U	440 U	15 U	17 U
77-47-4	HEXACHLOROCYCLOPENTADIENE	ug/kg	11 U	300 U	9.7 U	11 U
67-72-1	HEXACHLOROETHANE	ug/kg	19 U	540 U	18 U	21 U
193-39-5	INDENO(1,2,3-C,D)PYRENE	ug/kg	14 U	37000	13 U	15 U
78-59-1	ISOPHORONE	ug/kg	14 U	400 U	13 U	15 U
91-20-3	NAPHTHALENE	ug/kg	15 U	5700000	210 J	16 U
98-95-3	NITROBENZENE	ug/kg	16 U	460 U	15 U	17 U
021-64-7	N-NITROSODI-N-PROPYLAMINE	ug/kg	22 U	610 U	20 U	23 U
86-30-6	N-NITKOSUDIPHENYLAMINE	ug/kg	10 U	290 U	9.6 U	11 U
8/-80-5	PEN I AUHLUKUPHENUL DHEN A NTHIDENE	ug/kg	30 U	830 U	27 U	32 U
108 05 2		ug/kg	12 U 10 U	100000	11 U 0.2 U	12 U
129_00_0	PYRENE	ug/kg	10 U	280 U 640000	9.5 U Q G II	11 U 11 U
127-00-0		ug/Kg	10 0	0-0000	2.0 0	11 U

Con Ed - Luc	llow Site	Location ID:	SB- 9	SB-10	SB-10	SB-11
Validated So	il Analytical Data	Sample ID:	SB-9(28-30)	SB-10(30-32)	SB-10(45-47)	SB-11(5-5.5)
SDGs: D471	0, D1751, D5300	Lab Sample Id:	D4710-08	D4710-01	D4710-02	D4751-01
		Depth:	28 - 30 ft	30 - 32 ft	45 - 47 ft	5 - 5.5 ft
		Source:	CTECH	CTECH	CTECH	CTECH
		SDG:	D4710	D4710	D4710	D4751
		Matrix:	SOIL	SOIL	SOIL	SOIL
		Sampled:	10/26/2012 14:55	10/25/2012 12:10	10/25/2012 12:40	11/6/2012 12:05
		Validated:	1/23/2013	1/23/2013	1/23/2013	1/23/2013
CAS NO.	COMPOUND	UNITS:				
	INORGANICS					
7429-90-5	ALUMINUM	mg/kg	9490	3130	4490	4170 J
7440-36-0	ANTIMONY	mg/kg	0.31 U	0.28 U	0.29 U	0.34 UJ
7440-38-2	ARSENIC	mg/kg	3	7.21	1.23	18.3 J
7440-39-3	BARIUM	mg/kg	96	30.9	55.6	156 J
7440-41-7	BERYLLIUM	mg/kg	0.39	0.04 J	0.2	0.04 U
7440-43-9	CADMIUM	mg/kg	0.7	1.75	0.29	0.16 J
7440-70-2	CALCIUM	mg/kg	2540	9540	13000	2260 J
7440-47-3	CHROMIUM, TOTAL	mg/kg	18.4 J	5.38 J	8.9 J	9.93 J
7440-48-4	COBALT	mg/kg	11.9	3.4	5.38	6.31
7440-50-8	COPPER	mg/kg	20.5 J	26.5 J	11.8 J	69.6 J
7439-89-6	IRON	mg/kg	28600	13200	12600	26800
7439-92-1	LEAD	mg/kg	18.1	215	8.81	30
7439-95-4	MAGNESIUM	mg/kg	5050	5480	5450	1690 J
7439-96-5	MANGANESE	mg/kg	414	277	290	803 J
7439-97-6	MERCURY	mg/kg	0.002 U	0.381	0.002 U	1.17
7440-02-0	NICKEL	mg/kg	31.1	12.2	14.3	17.5
7440-09-7	POTASSIUM	mg/kg	2730	352	1470	1500 J
7782-49-2	SELENIUM	mg/kg	0.33 J	1.95	0.21 U	1
7440-22-4	SILVER	mg/kg	0.67	0.15 J	0.09 J	0.51
7440-23-5	SODIUM	mg/kg	148	4300	150	867 J
7440-28-0	THALLIUM	mg/kg	0.74 J	1.15	0.18 J	0.46 J
7440-62-2	VANADIUM	mg/kg	22.5	7.59	13.1	14.8 J
7440-66-6	ZINC	mg/kg	50.8	506	22.9	88.4
57-12-5	CYANIDE	mg/kg	0.244 J	4.4	0.172 J	0.133 J

Con Ed - Ludle	Con Ed - Ludlow Site		SB-11	SB-12	SB-12	SB-13
Validated Soil	Analytical Data	Sample ID:	SB-11(29.5-30)	SB-12(12-14)	SB-12(36-38)	SB-13(47-49)
SDGs: D4710	D1751 D5300	Lab Sample Id:	D4751-02	D4751-07	D4751-08	D4751-09
5003. 04/10,	D1751, D5500	Donth:	20.5 20.6	12 14 6	26 29 ft	47 40 ft
		Deptil.	29.5 - 50 II	12 - 14 II	50 - 56 IL	47 - 49 IL
		Source:	CIECH	CIECH	CIECH	CIECH
		SDG:	D4/51	D4/51	D4/51	D4/51
		Matrix:	SOIL	SOIL	SOIL	SOIL
		Sampled:	11/6/2012 12:10	11/5/2012 10:10	11/5/2012 11:00	11/5/2012 15:05
		Validated:	1/23/2013	1/23/2013	1/23/2013	1/23/2013
CAS NO.	COMPOUND	UNITS:				
	VOLATILES					
71-55-6	1,1,1-TRICHLOROETHANE	ug/kg	1.1 U	44 U	0.93 U	1 U
79-34-5	1,1,2,2-TETRACHLOROETHANE	ug/kg	0.55 U	34 U	0.48 U	0.54 U
76-13-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/kg	1.6 U	50 U	1.4 U	1.6 U
79-00-5	1,1,2-TRICHLOROETHANE	ug/kg	1.1 U	42 U	0.95 U	1.1 U
75-34-3	1,1-DICHLOROETHANE	ug/kg	1.1 U	40 U	0.99 U	1.1 U
75-35-4	1,1-DICHLOROETHENE	ug/kg	1.8 U	52 U	1.5 U	1.7 U
87-61-6	1,2,3-TRICHLOROBENZENE	ug/kg	0.6 U	72 U	0.53 U	0.58 U
120-82-1	1.2.4-TRICHLOROBENZENE	ug/kg	0.84 U	69 U	0.74 U	0.82 U
96-12-8	1 2-DIBROMO-3-CHLOROPROPANE	11g/kg	1 U	51 U	0.92 UI	1 111
106-93-4	1 2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	ug/kg	0.77 U	46 U	0.67 U	0.75 U
95-50-1	1 2-DICHI OROBENZENE	ug/kg	0.75 U	40 U	0.67 U	0.73 U
107.06.2	1.2 DICHLOROBENZENE	ug/kg	0.77 U	53 U	0.67 U	0.75 U
70 07 5	1.2 DICHLOROPRODANE	ug/kg	0.77 U	51 U	0.07 U	0.75 U
70-07-J 541 72 1	1,2-DICHLOROFROFANE	ug/kg	0.51 U	31 U 49 U	0.27 U	0.3 U
106 46 7	1,3-DICHLOROBENZENE	ug/kg	0.45 U	40 U 26 U	0.39 U	0.45 U
100-40-7	1,4-DICHLOROBENZEINE	ug/kg	0.49 U	30 U	0.45 U	0.48 U
123-91-1	1,4-DIOXANE (P-DIOXANE)	ug/kg	60 U	5500 U	53 U	58 U
591-78-6	2-HEXANONE	ug/kg	4.7 U	220 UJ	4.1 U	4.6 U
67-64-1	ACETONE	ug/kg	3.6 UJ	340 UJ	3.2 U	3.5 U
71-43-2	BENZENE	ug/kg	0.46 U	36 U	0.4 U	85
74-97-5	BROMOCHLOROMETHANE	ug/kg	0.95 U	250 U	0.83 U	0.92 U
75-27-4	BROMODICHLOROMETHANE	ug/kg	0.75 U	40 U	0.65 U	0.73 U
75-25-2	BROMOFORM	ug/kg	0.89 U	52 U	0.78 U	0.87 U
74-83-9	BROMOMETHANE	ug/kg	3 U	69 U	2.6 U	2.9 U
75-15-0	CARBON DISULFIDE	ug/kg	1.3 U	60 U	1.1 U	2.6 J
56-23-5	CARBON TETRACHLORIDE	ug/kg	1.2 U	69 U	1 U	1.2 U
108-90-7	CHLOROBENZENE	ug/kg	0.6 U	54 U	0.53 U	0.58 U
75-00-3	CHLOROETHANE	ug/kg	1.7 U	73 UJ	1.5 U	1.6 U
67-66-3	CHLOROFORM	ug/kg	0.89 U	38 U	0.78 U	0.87 U
74-87-3	CHLOROMETHANE	ug/kg	1 U	60 U	0.91 U	1 U
156-59-2	CIS-1,2-DICHLOROETHYLENE	ug/kg	1.1 U	39 U	0.94 U	1 U
10061-01-5	CIS-1,3-DICHLOROPROPENE	ug/kg	0.87 U	34 U	0.76 U	0.84 U
110-82-7	CYCLOHEXANE	ug/kg	1.2 U	61 U	1.1 U	1.7 J
124-48-1	DIBROMOCHLOROMETHANE	ug/kg	0.65 U	58 U	0.57 U	0.63 U
75-71-8	DICHLORODIFLUOROMETHANE	ug/kg	0.78 U	61 U	0.68 U	0.76 U
100-41-4	ETHYL BENZENE	11g/kg	0.75 U	9100	0.65 U	460 I
98-82-8	ISOPROPYI BENZENE (CUMENE)	ug/kg	0.58 U	1000	0.51 U	45
XYI MP	M P-XYI FNF (SUM OF ISOMERS)	ug/kg	0.50 U 0.87 U	11000	0.51 U	230
79-20-9	METHYL ACETATE	ug/kg	1.8 U	92 111	16 U	1.8 U
78-93-3	METHYL ETHYL KETONE (2-BUTANONE)	ug/kg	37 U	150 U	331	3.6 U
108 10 1	METHYL ISOBITYL KETONE (4 METHYL 2 DENTANONE)	ug/kg	35 U	230 U	3.1 U	3.0 U
108-10-1	METHYL CVCLOUEVANE	ug/kg	1.2 U	230 0	J.I U	5.4 0
108-87-2	METHYLENE CHLORIDE	ug/kg	1.5 U	09000	1.1 U	/.1 10 UI
75-09-2	METHYLENE CHLORIDE	ug/kg	0 00 U	40 U	5.5 UJ	10 UJ
95-47-0	U-AILENE (1,2-DIMEIHYLBENZENE)	ug/kg	0.82 U	5700	0.72 0	100
100-42-5	STYRENE	ug/kg	0.54 U	290 J	0.47 U	3.8 J
1634-04-4	TEKT-BUTYL METHYL ETHER	ug/kg	1.2 U	39 U	10	1.1 U
127-18-4	TETRACHLOROETHYLENE(PCE)	ug/kg	1.2 U	30 U	1.1 U	1.2 U
108-88-3	TOLUENE	ug/kg	0.77 U	1500	0.67 U	53
156-60-5	TRANS-1,2-DICHLOROETHENE	ug/kg	0.83 U	46 Ú	0.73 U	0.81 U
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ug/kg	0.95 U	32 U	0.83 U	0.92 U
79-01-6	TRICHLOROETHYLENE (TCE)	ug/kg	1 U	31 U	0.91 U	1 U
75-69-4	TRICHLOROFLUOROMETHANE	ug/kg	1.6 U	39 U	1.4 U	1.5 U
75-01-4	VINYL CHLORIDE	ug/kg	1.5 U	38 U	1.3 U	1.4 U

Con Ed - Ludlow Site		Location ID:	SB-11	SB-12	SB-12	SB-13
Validated Soil	Analytical Data	Sample ID:	SB-11(29 5-30)	SB-12(12-14)	SB-12(36-38)	SB-13(47-49)
SDGs: D4710	D1751 D5300	Lab Sample Id:	D4751-02	D4751-07	D4751-08	D4751-09
55 00. 5 1110,	51751, 55500	Denth:	29 5 - 30 ft	12 - 14 ft	36 - 38 ft	47 - 49 ft
		Source:	CTECH	CTECH	CTECH	CTECH
		SDG:	D4751	D4751	D4751	D4751
		SDU. Matrix:	SOIL	SOIL	SOIL	SOIL
		Sampladi	11/6/2012 12:10	11/5/2012 10:10	30IL 11/5/2012 11:00	11/5/2012 15:05
		Sampled:	1/0/2012 12:10	1/3/2012 10:10	1/3/2012 11:00	1/3/2012 15:05
CAGNO	COMPOUND	vandated:	1/25/2015	1/25/2015	1/25/2015	1/25/2015
CAS NO.		UNITS:				
05.04.2	SEMIVULATILES		16 11	72.11	14.17	15 11
95-94-3	1,2,4,5-TETRACHLOROBENZENE	ug/kg	16 U	73 U	14 U	15 U
58-90-2	2,3,4,0-TETRACHLOROPHENOL	ug/kg	16 U	73 U	14 U	15 U 20 U
95-95-4	2,4,5-TRICHLOROPHENOL	ug/kg	28 U	150 0	25 U	28 U
88-00-2	2,4,0-TRICHLOROPHENOL	ug/kg	12 U	57 U 70 U	11 U 12 U	12 U
120-85-2	2,4-DICHLOROPHENOL	ug/kg	15 U	70 U	15 U 20 U	15 U 22 U
105-67-9	2,4-DIMETHTLPHENOL	ug/kg	25 0	100 U	20 U	22 U
51-28-5	2,4-DINTI ROPHENOL	ug/kg	41 UJ	190 UJ	36 UJ	40 UJ
121-14-2	2,4-DINTIROTOLUENE	ug/kg	12 U	56 U	11 U 14 U	12 U
606-20-2	2,0-DINTEROTOLUENE	ug/kg	16 U	75 U 42 U	14 U	16 U
91-58-7	2-CHLORONAPHTHALENE	ug/kg	9.1 U	42 U	8 U	8.9 U
95-57-8	2-CHLOROPHENOL	ug/kg	21 U	98 U	19 U	21 U
91-57-6	2-METHYLNAPHTHALENE	ug/kg	10 U	160000	8.8 U	1300
95-48-7	2-METHYLPHENOL (U-CRESOL)	ug/kg	22 U	100 U	19 U	21 U
88-74-4	2-NITROANILINE	ug/kg	18 U	82 U	16 U	17 U 10 U
88-75-5	2-NITROPHENOL	ug/kg	19 U	89 U	17 U	19 U
91-94-1	3,3'-DICHLOROBENZIDINE	ug/kg	26 U	120 U	23 U	25 U
MEPH3MEPH	3+4-Methylphenols	ug/kg	21 U	96 U	18 U	20 U
99-09-2	3-NITROANILINE	ug/kg	26 U	120 U	23 U	25 U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	ug/kg	23 U	110 UJ	20 UJ	22 UJ
101-55-3	4-BROMOPHENYL PHENYL ETHER	ug/kg	7.8 U	36 U	6.8 U	7.6 U
59-50-7	4-CHLORO-3-METHYLPHENOL	ug/kg	18 U	82 U	16 U	1/ U 20 III
106-47-8	4-CHLOROANILINE	ug/kg	28 UJ	130 UJ	25 UJ	28 UJ
100.01.6	4-CHLOROPHENTL PHENTL ETHER	ug/kg	22 U	100 U 240 U	19 U 46 U	21 U
100-01-6	4-NITROANILINE	ug/kg	52 U 74 U	240 U 240 U	46 U	51 U 72 U
100-02-7	4-NITROPHENOL	ug/kg	74 U	540 U 0100	65 U	75 U 220 I
200 06 0	ACENADITIVI ENE	ug/kg	10 U	50000	9.9 U	320 J 240 J
208-90-8	ACETOPHENONE	ug/kg	10 U 12 U	50000 57 U	0.0 U 11 U	240 J 12 U
120-12-7	ANTHRACENE	ug/kg ug/kg	82 U	22000	72 U	310 I
1912-24-9	ATRAZINE	ug/kg ug/kg	21 U	98 U	19 U	21 U
100-52-7	BENZALDEHYDE	ug/kg	21 U	96 U	18 U	20 U
56-55-3	BENZO(A)ANTHRACENE	ug/kg	19 U	11000	17 U	260 J
50-32-8	BENZO(A)PYRENE	ug/kg	8.6 U	7200	7.6 U	200 J
205-99-2	BENZO(B)FLUORANTHENE	ug/kg	13 U	5500	11 U	160 J
191-24-2	BENZO(G,H,I)PERYLENE	ug/kg	16 U	2100	14 U	16 U
207-08-9	BENZO(K)FLUORANTHENE	ug/kg	19 U	1700 J	17 U	18 U
85-68-7	BENZYL BUTYL PHTHALATE	ug/kg	19 U	89 U	17 U	19 U
92-52-4	BIPHENYL (DIPHENYL)	ug/kg	15 U	10000	13 U	15 U
111-91-1	BIS(2-CHLOROETHOXY) METHANE	ug/kg	23 U	110 U	20 U	23 U
111-44-4	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	ug/kg	19 U	89 U	17 U	19 U
108-60-1	BIS(2-CHLOROISOPROPYL) ETHER	ug/kg	17 U	77 U	15 U	16 U
117-81-7	BIS(2-ETHYLHEXYL) PHTHALATE	ug/kg	14 U	65 U	12 U	14 U
105-60-2	CAPROLACTAM	ug/kg	19 U	86 U	16 U	18 U
86-74-8	CARBAZOLE	ug/kg	8.8 U	40 U	7.7 U	8.6 U
218-01-9	CHRYSENE	ug/kg	18 U	10000	16 U	260 J
53-70-3	DIBENZ(A,H)ANTHRACENE	ug/kg	12 U	53 U	10 U	11 U
132-64-9	DIBENZOFURAN	ug/kg	16 U	2500	14 U	15 U
84-66-2	DIETHYL PHTHALATE	ug/kg	6.2 U	29 U	5.5 U	6.1 U
131-11-3	DIMETHYL PHTHALATE	ug/kg	284 J	50 U	455	403
84-74-2	DI-N-BUTYL PHIHALATE	ug/kg	31 U	150 U	28 U	31 U
11/-84-0	DI-N-OCTYLPHTHALATE	ug/kg	4.6 U	21 U	4 U 7 U	4.5 U
206-44-0	FLUORANTHENE	ug/kg	8 U	22000	/ U	490 220 I
80-73-7 118 74 1	FLUOKENE HEVACHI ODODENZENE	ug/kg	15 U 16 U	55000 75 U	15 U 14 U	520 J
87.68.3		ug/kg	10 U 15 U	73 U 67 U	14 U 13 U	10 U 14 U
77 47 4		ug/kg	97.11	07 U 45 U	15 U 85 U	14 U 0.5 U
67-72-1	HEXACHLOROETHANE	ug/kg	18 U	45 U 83 U	16 U	18 U
103-30-5	INDENO(1 2 3-C D)PYRENE	ug/kg	13 U	2000	10 U	13 U
78-59-1	ISOPHORONE	110/kg	13 U	61 U	12 U 12 U	13 11
91-20-3	NAPHTHALENE	110/ko	14 U	310000	12 U	2800
98-95-3	NITROBENZENE	ug/kø	15 U	70 U	13 U	15 U
621-64-7	N-NITROSODI-N-PROPYLAMINE	ug/kg	20 U	93 U	18 U	20 U
86-30-6	N-NITROSODIPHENYLAMINE	ug/kg	9.6 U	44 U	8.4 U	9.4 U
87-86-5	PENTACHLOROPHENOL	ug/kg	27 U	130 U	24 U	27 U
85-01-8	PHENANTHRENE	ug/kg	11 U	94000	9.5 U	1300
108-95-2	PHENOL	ug/kg	9.2 U	43 U	8.1 U	9 U
129-00-0	PYRENE	ug/kg	9.6 U	29000	8.4 U	620

Con Ed - Lud	llow Site	Location ID:	SB-11	SB-12	SB-12	SB-13
Validated Soil Analytical Data		Sample ID:	SB-11(29.5-30)	SB-12(12-14)	SB-12(36-38)	SB-13(47-49)
SDGs: D4710	), D1751, D5300	Lab Sample Id:	D4751-02	D4751-07	D4751-08	D4751-09
		Depth:	29.5 - 30 ft	12 - 14 ft	36 - 38 ft	47 - 49 ft
		Source:	CTECH	CTECH	CTECH	CTECH
		SDG:	D4751	D4751	D4751	D4751
		Matrix:	SOIL	SOIL	SOIL	SOIL
		Sampled:	11/6/2012 12:10	11/5/2012 10:10	11/5/2012 11:00	11/5/2012 15:05
		Validated:	1/23/2013	1/23/2013	1/23/2013	1/23/2013
CAS NO.	COMPOUND	UNITS:				
	INORGANICS					
7429-90-5	ALUMINUM	mg/kg	5890 J	4120 J	2800 J	9270 J
7440-36-0	ANTIMONY	mg/kg	0.28 UJ	0.27 UJ	0.24 UJ	0.28 UJ
7440-38-2	ARSENIC	mg/kg	1.3 J	0.9 J	0.49 J	1.96 J
7440-39-3	BARIUM	mg/kg	63.3 J	31.9 J	19.1 J	124 J
7440-41-7	BERYLLIUM	mg/kg	0.3	0.14 J	0.04 J	0.47
7440-43-9	CADMIUM	mg/kg	0.42	0.35	0.18	0.71
7440-70-2	CALCIUM	mg/kg	12200 J	952 J	10100 J	19200 J
7440-47-3	CHROMIUM, TOTAL	mg/kg	11.7 J	9.3 J	7.04 J	19.9 J
7440-48-4	COBALT	mg/kg	6.51	6.88	3.39	7.91
7440-50-8	COPPER	mg/kg	12.1 J	11 J	9.25 J	18.3 J
7439-89-6	IRON	mg/kg	14600	10300	6990	18600
7439-92-1	LEAD	mg/kg	10.5	45.3	3.88	15.2
7439-95-4	MAGNESIUM	mg/kg	5740 J	1870 J	4920 J	3760 J
7439-96-5	MANGANESE	mg/kg	319 J	191 J	209 J	1240 J
7439-97-6	MERCURY	mg/kg	0.002 U	0.002 U	0.002 U	0.02
7440-02-0	NICKEL	mg/kg	16.6	11.2	11.5	21.4
7440-09-7	POTASSIUM	mg/kg	2190 J	957 J	581 J	2340 J
7782-49-2	SELENIUM	mg/kg	0.21 U	0.2 U	0.17 U	1.06
7440-22-4	SILVER	mg/kg	0.14 J	0.1 J	0.06 U	0.34
7440-23-5	SODIUM	mg/kg	2520 J	5360 J	1220 J	1280 J
7440-28-0	THALLIUM	mg/kg	0.34 J	0.13 U	0.13 J	0.81 J
7440-62-2	VANADIUM	mg/kg	15.3 J	12.7 J	9.49 J	18.3 J
7440-66-6	ZINC	mg/kg	27	18.6	14.9	33.7
57-12-5	CYANIDE	mg/kg	0.042 J	0.434	0.069 J	0.093 J

				Dup of SB-14(45-47)		
Con Ed - Lud	low Site	Location ID:	SB-14	SB-14	SB-14	SB-16
Validated Soi	Analytical Data	Sample ID:	SB-14(38-40)	SB-14(45-47)	SB-14A(45-47)	SB-16(30-33)
SDGs: D4710, D1751, D5300		Lab Sample Id:	D5300-03	D5300-06	D5300-07	D5300-01
		Depth:	38 - 40 ft	45 - 47 ft	45 - 47 ft	30 - 33 ft
		Source:	CTECH	CTECH	CTECH	CTECH
		SDG:	D5300	D5300	D5300	D5300
		Matrix:	SOIL	SOIL	SOIL	SOIL
		Sampled:	12/21/2012 10:50	12/21/2012 11:50	12/21/2012 12:00	12/20/2012 16:10
		Validated <sup>.</sup>	1/23/2013	1/23/2013	1/23/2013	1/23/2013
CASNO	COMPOUND	UNITS	1/20/2010	1/20/2010	1/20/2010	1/25/2015
CHBIIO.	VOLATILES	erting.				
71-55-6	1.1.1-TRICHLOROFTHANE	ug/kg	11 11	1 11	1 11	110 U
79-34-5	1 1 2 2-TETRACHI OROFTHANE	ug/kg	0.59 U	0.54 U	0.53 U	57.5 U
76-13-1	1.1.2.TRICHLORO-1.2.2.TRIFLUOROFTHANE	ug/kg	17 U	15 U	15 U	170 U
79-00-5	1 1 2-TRICHLOROFTHANE	ug/kg	1.7 U	1.5 0	1.5 0	110 U
75-34-3	1 1-DICHLOROFTHANE	ug/kg	1.2 U	11 U	11 U	120 U
75-35-4	1.1-DICHLOROETHANE	ug/kg	1.2 U	1.1 U	1.1 U	120 U 180 U
87-61-6	1,7 JICHLOROBENZENE	ug/kg	0.64 UI	0.58 U	0.58 U	62.5 U
120-82-1	1.2.4-TRICHLOROBENZENE	ug/kg	0.04 05	0.82 UI	0.50 0	87.5 U
06 12 8	1.2 DIRDOMO 3 CHI OPOPPOPANIE	ug/kg	1.1 U	0.02 CJ	0.01 CJ	110 U
106.03.4	1.2 DIRROMOETHANE (ETHVI ENE DIRROMIDE)	ug/kg	0.82 U	0.75 U	0.74 U	80 U
05 50 1	1.2 DICHLOROBENZENE	ug/kg	0.82 U	0.75 U	0.74 U	77.5 U
107.06.2	1.2 DICHLOROBENZENE	ug/kg	0.79 U	0.72 U	0.72 U 0.74 U	80 U
70 07 5	1,2-DICHLORODDODANE	ug/kg	0.82 U	0.75 U	0.74 U	22.5 U
541 72 1	1,2-DICHLOROFROFANE	ug/kg	0.35 U	0.3 U	0.3 U	32.3 U 46.2 U
106 46 7	1,5-DICHLOROBENZENE	ug/kg	0.47 U	0.45 U	0.45 U	40.5 U
100-40-7	1,4-DICHLOROBENZENE	ug/kg	0.32 U	0.46 U	0.47 U	1200 UI
123-91-1	1,4-DIOAANE (P-DIOAANE)	ug/kg	04 U	58 UJ	58 UJ	1500 UJ
591-78-0	2-HEAANUNE	ug/kg	5 U 20 U	4.0 U	4.5 U	490 UJ
07-04-1	DENZENE	ug/kg	5.9 U	27 J	20 J	580 U
71-43-2	BENZENE BROMOCHLOROMETHANE	ug/kg	0.49 U	0.44 U	0.44 U	1/200
74-97-5	BROMODICIII ODOMETIJANE	ug/kg	1 U 0 70 U	0.92 U	0.91 U	98.8 U
75-27-4	PROMOEORM	ug/kg	0.79 U	0.72 U	0.72 U	77.5 U
75-25-2	BROMOFORM	ug/kg	0.95 U	0.80 U	0.85 U	92.5 UJ
74-03-9	CARRON DISULEDE	ug/kg	5.1 UJ	2.9 U	2.0 U	120 U
5-13-0	CARBON TETRACIII ODIDE	ug/kg	1.4 U	1.2 U	1.2 U	130 U
30-23-3 108 00 7	CHLODODENZENE	ug/kg	1.5 U	1.2 U	1.1 U	120 U
108-90-7	CHLOROBENZENE	ug/kg	0.04 U	0.58 U	0.58 U	02.5 U
/5-00-3	CHLOROEOPM	ug/kg	1.8 U	1.6 U	1.0 U	180 U
07-00-3	CHLOROFORM	ug/kg	0.95 U	0.80 U	0.85 U	92.5 U 220 I
14-87-5	CIE 12 DICHLODOETHVI ENE	ug/kg	1.1 U	1 U	0.99 U	520 J
10061 01 5	CIS-1,2-DICHLOROPENE	ug/kg	0.02 U	0.84 U	0.82 U	110 U 00 U
110 82 7	CVCLOHEVANE	ug/kg	0.92 U	1.2 U	0.85 U	90 U
110-82-7	DIPROMOCIJI OROMETIJANE	ug/kg	1.5 U	1.2 U	1.2 U	130 U
75 71 9	DIGRUMOCHLOROMETHANE	ug/kg	0.09 U	0.05 UJ	0.62 UJ	07.5 UJ
100 41 4	DICHLORODIFLUOROMETHANE	ug/kg	0.85 U	0.76 UJ	0.75 UJ	81.5 U
100-41-4	ETH I LBENZENE	ug/kg	0.79 U	0.72 U	0.72 U	43900
98-82-8 XXI MD	ISOPROPTLBENZENE (CUMENE)	ug/kg	0.01 U	0.50 U	0.55 U	28400
70 20 0	METHYL ACETATE	ug/kg	0.92 U	1.04 U	0.85 U	56400 100 U
79-20-9	METHYL ETHYL VETONE (2 DUTANONE)	ug/kg	1.9 U	1.0 U 2.6 U	1.7 U 2.6 U	190 U 200 UI
108 10 1	METHYL ISODUTVI VETONE (4 METHYL 2 DENTANONE)	ug/kg	4 U 2 7 U	3.0 U 2.4 U	3.0 U 2.4 U	390 UJ
108-10-1	METHYL CVCLOUEVANE	ug/kg	5.7 U	5.4 U	5.4 U	370 U
108-87-2	METHYLENE CHLORIDE	ug/kg	1.4 U	1.2 U	1.2 U	180 J
75-09-2	METHILENE CHLOKIDE	ug/kg	1.8 UJ	1.7 U 0.70 U	1.0 U	180 0
93-47-0 100 42 5	O-AILENE (1,2-DIVIEIHILBENZENE)	ug/Kg	0.8/ U	0.79 U	0.78 U	18200
1624.04.4	51 I KENE TEDT DUTYL METUVL ETHED	ug/kg	0.58 U	0.52 U	0.52 U	8100 120 U
1034-04-4	TERT-DUTTL METHTLETHER	ug/kg	1.2 U	1.1 U	1.1 U	120 U
12/-18-4	TOLUENE	ug/Kg	1.5 U	1.2 U	1.2 U	130 U
108-88-3	TDANS 1.2 DICHLODOFTHENE	ug/Kg	0.82 U	U./5 U	0.74 U	40500
10061 00 6	TRANG 1.2 DICHLOROPODENT	ug/kg	0.88 0	0.8 U	0.8 0	80.3 U
10061-02-6	TRANS-1,3-DICHLUKUPKUPENE	ug/kg	10	0.92 0	0.91 U	98.8 U
79-01-0	TRICHLOROETHYLENE (TCE)	ug/kg	1.1 U	10	0.99 U	110 U
13-09-4	I KICHLUKUFLUUKUMETHANE	ug/kg	1.7 U	1.5 U	1.5 U	1/0 U
13-01-4	VIIVI L CHLUKIDE	ug/Kg	1.6 U	1.4 U	1.4 U	150 U

				-	Dup of SB-14(45-47)	
Con Ed - Ludlo	ow Site	Location ID:	SB-14	SB-14	SB-14	SB-16
Validated Soil	Analytical Data	Sample ID:	SB-14(38-40)	SB-14(45-47)	SB-14A(45-47)	SB-16(30-33)
SDGs: D4710, D1751, D5300		Lab Sample Id:	D5300-03	D5300-06	D5300-07	D5300-01
		Depth:	38 - 40 ft	45 - 47 ft	45 - 47 ft	30 - 33 ft
		Source:	CTECH	CTECH	CTECH	CTECH
		SDG:	D5300	D5300	D5300	D5300
		Matrix	SOIL	SOIL	SOIL	SOIL
		Sampled	12/21/2012 10:50	12/21/2012 11:50	12/21/2012 12:00	12/20/2012 16:10
		Validated:	1/23/2012 10:50	1/22/2012 11:50	1/23/2012 12:00	1/23/2012 10:10
CASNO	COMPOLINID	Valuateu.	1/23/2013	1/23/2013	1/23/2013	1/23/2013
CAS NO.		UNITS:				
05.04.2	SEMIVULATILES		167.11	15.0.11	15 1 11	164.11
95-94-5	1,2,4,5-TETRACHLOROBENZENE	ug/kg	10.7 U	15.2 U	15.1 U	10.4 U
58-90-2	2,3,4,6-TETRACHLOROPHENOL	ug/kg	16.7 U	15.2 U	15.1 U	16.4 U
95-95-4	2,4,5-TRICHLOROPHENOL	ug/kg	29.9 U	27.1 U	26.9 U	29.2 U
88-06-2	2,4,6-TRICHLOROPHENOL	ug/kg	13 U	11.8 U	11.7 U	12.7 U
120-83-2	2,4-DICHLOROPHENOL	ug/kg	16.2 U	14.7 U	14.6 U	15.9 U
105-67-9	2,4-DIMETHYLPHENOL	ug/kg	24.2 U	21.9 U	21.7 U	23.6 U
51-28-5	2,4-DINITROPHENOL	ug/kg	43.3 UJ	39.3 UJ	39 UJ	42.3 UJ
121-14-2	2,4-DINITROTOLUENE	ug/kg	12.9 U	11.7 U	11.6 U	12.6 U
606-20-2	2,6-DINITROTOLUENE	ug/kg	17.4 U	15.8 U	15.6 U	17 U
91-58-7	2-CHLORONAPHTHALENE	ug/kg	9.7 U	8.8 U	8.7 U	9.5 U
95-57-8	2-CHLOROPHENOL	ug/kg	22.5 U	20.4 U	20.3 U	22 U
91-57-6	2-METHYLNAPHTHALENE	ug/kg	10.7 U	9.7 U	9.7 U	14900
95-48-7	2-METHYLPHENOL (O-CRESOL)	ug/kg	23.1 U	21 U	20.8 U	22.6 U
88-74-4	2-NITROANILINE	ug/kg	18.9 U	17.1 U	17 U	18.5 U
88-75-5	2-NITROPHENOL	ug/kg	20.6 U	18.6 U	18.5 U	20.1 U
91-94-1	3,3'-DICHLOROBENZIDINE	ug/kg	27.3 U	24.8 U	24.6 U	26.7 U
MEPH3MEPH	3+4-Methylphenols	ug/kg	22.1 U	20 U	19.9 U	21.6 U
99-09-2	3-NITROANILINE	ug/kg	27.3 U	24.8 U	24.6 U	26.7 U
534-52-1	4.6-DINITRO-2-METHYLPHENOL	ug/kg	24.4 UJ	22.1 UJ	22 UJ	23.9 UJ
101-55-3	4-BROMOPHENYL PHENYL ETHER	11g/kg	83 U	7.5 U	75 U	81 U
59-50-7	4-CHLORO-3-METHYLPHENOL	ug/kg	18.9 U	17.1 U	17 U	185 U
106-47-8	4-CHI OROANII INF	ug/kg	30 U	27.2 U	27 11	29.4 U
7005-72-3	4-CHLOROPHENVL PHENVL ETHER	ug/kg	23 I U	27.2 0	20.8 U	22.4 U
100.01.6	4 NITROANII INE	ug/kg	25.1 U	50.3 U	20.0 U	54.2 U
100-01-0	4 NITROANEINE	ug/kg	70.1 U	50.5 U	49.9 U 71.2 U	77.2 U
82 22 0		ug/kg	12 U	10.0 U	10.8 U	1800
05-52-9	ACENA DITUVI ENE	ug/kg	12 U	10.9 U	10.8 U	1800
208-90-8	ACENAPHTHILENE	ug/kg	10.7 U	9.7 U	9.7 U	4/00
98-80-2	ANTHDACENE	ug/kg	15 U 9 7 U	11.8 U	11./ U 7.0 U	12.7 U
120-12-7	ANTRACENE	ug/kg	8.7 U	7.9 U	7.8 U	2500
1912-24-9	ATRAZINE	ug/kg	22.5 U	20.4 U	20.3 U	22 0
100-52-7	BENZALDEHYDE	ug/kg	22.2 U	20.2 U	20 U	21.7 U
56-55-3	BENZO(A)ANTHRACENE	ug/kg	20.3 U	18.4 U	18.3 U	1600
50-32-8	BENZO(A)PYRENE	ug/kg	9.2 U	8.3 U	8.3 U	1200
205-99-2	BENZO(B)FLUORANTHENE	ug/kg	13.9 U	12.6 U	12.5 U	940
191-24-2	BENZO(G,H,I)PERYLENE	ug/kg	17.3 U	15.6 U	15.5 U	310 J
207-08-9	BENZO(K)FLUORANTHENE	ug/kg	20.1 U	18.2 U	18.1 U	380 J
85-68-7	BENZYL BUTYL PHTHALATE	ug/kg	20.4 U	18.5 U	18.4 U	20 U
92-52-4	BIPHENYL (DIPHENYL)	ug/kg	16.1 U	14.6 U	14.5 U	1600
111-91-1	BIS(2-CHLOROETHOXY) METHANE	ug/kg	24.5 U	22.2 U	22.1 U	24 U
111-44-4	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	ug/kg	20.4 U	18.5 U	18.4 U	20 U
108-60-1	BIS(2-CHLOROISOPROPYL) ETHER	ug/kg	17.6 U	16 U	15.9 U	17.2 U
117-81-7	BIS(2-ETHYLHEXYL) PHTHALATE	ug/kg	15.1 U	13.7 U	13.6 U	14.7 U
105-60-2	CAPROLACTAM	ug/kg	19.8 U	18 U	17.8 U	19.4 U
86-74-8	CARBAZOLE	ug/kg	9.3 U	8.5 U	8.4 U	9.1 U
218-01-9	CHRYSENE	ug/kg	19.3 U	17.5 U	17.4 U	1600
53-70-3	DIBENZ(A,H)ANTHRACENE	ug/kg	12.3 U	11.1 U	11 U	12 U
132-64-9	DIBENZOFURAN	ug/kg	16.6 U	15.1 U	15 U	530
84-66-2	DIETHYL PHTHALATE	ug/kg	6.6 U	6 U	6 U	6.5 U
131-11-3	DIMETHYL PHTHALATE	ug/kg	570	320 J	340 J	250 J
84-74-2	DI-N-BUTYL PHTHALATE	ug/kg	33.5 U	30.3 U	30.1 U	32.7 U
117-84-0	DI-N-OCTYLPHTHALATE	ug/kg	4.9 U	4.4 U	4.4 U	4.7 U
206-44-0	FLUORANTHENE	ug/kg	8.6 U	7.8 U	7.7 U	2500
86-73-7	FLUORENE	ug/kg	16.1 U	14.6 U	14.5 U	4500
118-74-1	HEXACHLOROBENZENE	ug/kg	17.4 U	15.8 U	15.6 U	17 U
87-68-3	HEXACHLOROBUTADIENE	11g/kg	15.5 U	14 U	13.9 U	15 I U
77-47-4	HEXACHLOROCYCLOPENTADIENE	ug/kg	10.5 U	94 UI	93 11	10.1 UI
67-72-1	HEXACHLOROETHANE	110/ko	10.4 UJ	17 3 U	17 1 H	18.6 U
193_39_5	INDENO(1.2.3-C.D)PYRENE	110/kg	14.2 11	12.0 11	12.8 11	200 1
78_59_1	ISOPHORONE	ug/Kg	14.2 U 1/ 1 II	12.7 U	12.0 0	13.7 11
91_20_3	NAPHTHALENE	ug/kg	14.1 U 14.7 II	12.7 U 12.2 U	12.7 U 12.2 U	32700
08 05 2	NITDORENZENE	ug/Kg	14.7 U 14 1 U	13.3 U 14 4 H	13.2 U 145 II	157 11
50-75-5 621 64 7	N NITROBENZENE N NITROSODI N DROPVI AMINE	ug/kg	10.1 U	14.0 U	14.5 U	15.7 U
021-04-7	IN NITROSODIEINERIVI AMINE	ug/kg	21.5 U	19.5 U	19.5 U	21 U 10 U
00-20-0	IN-INIT KOSODIPHEN I LAWIINE	ug/Kg	10.2 U	9.5 U	9.2 U	10 U
0/-00-3	FENTAURUURUPHEINUL	ug/Kg	29.1 U	20.4 U	20.2 U	28.5 U
03-01-8	DUENOI	ug/kg	11.5 U	10.4 U	10.4 U	9900
108-95-2	PHENOL	ug/kg	9.8 U	8.9 U	8.9 U	9.6 U
129-00-0	PIKENE	ug/kg	10.2 U	9.3 U	9.2 U	3300

					Dup of SB-14(45-47)	
Con Ed - Ludlow Site		Location ID:	SB-14	SB-14	SB-14	SB-16
Validated Soil Analytical Data		Sample ID:	SB-14(38-40)	SB-14(45-47)	SB-14A(45-47)	SB-16(30-33)
SDGs: D4710	0, D1751, D5300	Lab Sample Id:	D5300-03	D5300-06	D5300-07	D5300-01
		Depth:	38 - 40 ft	45 - 47 ft	45 - 47 ft	30 - 33 ft
		Source:	CTECH	CTECH	CTECH	CTECH
		SDG:	D5300	D5300	D5300	D5300
		Matrix:	SOIL	SOIL	SOIL	SOIL
		Sampled:	12/21/2012 10:50	12/21/2012 11:50	12/21/2012 12:00	12/20/2012 16:10
		Validated:	1/23/2013	1/23/2013	1/23/2013	1/23/2013
CAS NO.	COMPOUND	UNITS:				
	INORGANICS					
7429-90-5	ALUMINUM	mg/kg	7400 J	2940 J	3060 J	14400 J
7440-36-0	ANTIMONY	mg/kg	0.59 UJ	0.53 UJ	0.55 UJ	0.59 UJ
7440-38-2	ARSENIC	mg/kg	0.97 J	0.71 J	0.89 J	5.98
7440-39-3	BARIUM	mg/kg	54.1 J	23.7 J	26.6 J	83.1 J
7440-41-7	BERYLLIUM	mg/kg	0.39	0.14 J	0.14 J	0.32 J
7440-43-9	CADMIUM	mg/kg	0.06 U	0.06 U	0.06 U	0.06 U
7440-70-2	CALCIUM	mg/kg	2180 J	9830 J	9770 J	24700 J
7440-47-3	CHROMIUM, TOTAL	mg/kg	16.3 J	7.26 UJ	7.44 UJ	12.4 J
7440-48-4	COBALT	mg/kg	7.86	3.26	3.53	3.36
7440-50-8	COPPER	mg/kg	7.99	5.12	5.88	5.21
7439-89-6	IRON	mg/kg	18000 J	8120 J	8770 J	15400 J
7439-92-1	LEAD	mg/kg	10.1	4.47	4.63	25.8
7439-95-4	MAGNESIUM	mg/kg	3730 J	4070 J	3950 J	13500 J
7439-96-5	MANGANESE	mg/kg	424 J	290 J	296 J	652 J
7439-97-6	MERCURY	mg/kg	0.005 J	0.002 U	0.003 J	0.003 J
7440-02-0	NICKEL	mg/kg	18.7	8.25	8.93	10.1
7440-09-7	POTASSIUM	mg/kg	2720 J	832 J	824 J	1040 J
7782-49-2	SELENIUM	mg/kg	0.76 J	0.39 U	0.41 U	0.49 J
7440-22-4	SILVER	mg/kg	0.51 J	0.17 J	0.15 J	0.23 J
7440-23-5	SODIUM	mg/kg	332	101	97.1 J	6400
7440-28-0	THALLIUM	mg/kg	0.28 U	0.25 U	0.27 U	0.29 U
7440-62-2	VANADIUM	mg/kg	19.3	8.87	10.2	19.1
7440-66-6	ZINC	mg/kg	26.9 J	13 J	12.9 J	12.6 J
57-12-5	CYANIDE	mg/kg	0.241 J	0.219 J	0.299	0.909

Con Ed - Ludlow Site		Location ID:	SB-16	SB-17	SB-17	TP-6FLOOR
Validated Soil Analytical Data		Sample ID:	SB-16(45-47)	SB-17(33-35)	SB-17(45-47)	TP-6FLOOR
SDGs: D4710 D1751 D5300		Lab Sample Id:	D5300-02	D5300-08	D5300-09	D4751-10
5003. 04/10,	B1151, B5500	Donth:	15 17 ft	22 25 ft	15 17 ft	D4751-10
		Depui.	43 - 47 IL	55 - 55 IL	45 - 47 IL	-
		Source:	CIECH	CIECH	CIECH	CIECH
		SDG:	D5300	D5300	D5300	D4/51
		Matrix:	SOIL	SOIL	SOIL	SOIL
		Sampled:	12/20/2012 17:10	12/21/2012 15:00	12/21/2012 15:30	11/7/2012 10:30
	-	Validated:	1/23/2013	1/23/2013	1/23/2013	1/23/2013
CAS NO.	COMPOUND	UNITS:				
	VOLATILES	Ļ				
71-55-6	1,1,1-TRICHLOROETHANE	ug/kg	1.1 U	0.92 U	0.95 U	1.3 U
79-34-5	1,1,2,2-TETRACHLOROETHANE	ug/kg	0.58 U	0.48 U	0.5 U	R
76-13-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/kg	1.7 U	1.4 U	1.4 U	1.9 U
79-00-5	1,1,2-TRICHLOROETHANE	ug/kg	1.1 U	0.94 U	0.98 U	1.3 U
75-34-3	1,1-DICHLOROETHANE	ug/kg	1.2 U	0.98 U	1 U	6.6 J
75-35-4	1,1-DICHLOROETHENE	ug/kg	1.9 U	1.5 U	1.6 U	2.1 U
87-61-6	1,2,3-TRICHLOROBENZENE	ug/kg	0.63 U	0.52 U	0.54 UJ	R
120-82-1	1,2,4-TRICHLOROBENZENE	ug/kg	0.88 UJ	0.73 UJ	0.76 U	R
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	ug/kg	R	R	0.94 U	R
106-93-4	1.2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	ug/kg	0.81 U	0.67 U	0.69 U	0.92 U
95-50-1	1.2-DICHLOROBENZENE	ug/kg	0.78 U	0.65 U	0.67 U	R
107-06-2	1 2-DICHLOROETHANE	110/kg	0.81 U	0.67 U	0.69 U	0.92 U
78-87-5	1.2-DICHLOROPROPANE	ug/kg	0.33 U	0.27 U	0.28 U	0.37 U
541-73-1	1 3-DICHI OROBENZENE	ug/kg	0.55 U 0.47 U	0.38 U	0.20 U	0.57 C
106 46 7	1.4 DICHLOROBENZENE	ug/kg	0.52 U	0.43 U	0.4 U	D
122 01 1	1 4 DIOYANE (D DIOYANE)	ug/kg	62 UI	10.4 UI	54 U	70 U
125-91-1	1,4-DIOAANE (F-DIOAANE)	ug/kg	05 UJ	10.4 UJ	54 U 4 2 U	70 U
591-78-0	2-HEAANONE	ug/kg	50	4.1 U 2.1 U	4.5 U	5.0 U
07-04-1	ACETONE	ug/kg	/1	5.1 U		20 J
71-43-2	BENZENE DROMOGULOROMUTUANE	ug/kg	0.48 U	0.4 U	0.41 U	0.54 U
74-97-5	BROMOCHLOROMETHANE	ug/kg	10	0.82 U	0.86 U	1.1 U
75-27-4	BROMODICHLOROMETHANE	ug/kg	0.78 U	0.65 U	0.67 U	0.89 U
75-25-2	BROMOFORM	ug/kg	0.93 U	0.77 U	0.8 U	1.1 UJ
74-83-9	BROMOMETHANE	ug/kg	3.1 U	2.5 U	2.7 UJ	3.5 U
75-15-0	CARBON DISULFIDE	ug/kg	1.3 U	1.1 U	1.1 U	1.5 U
56-23-5	CARBON TETRACHLORIDE	ug/kg	1.3 U	1 U	1.1 U	1.4 U
108-90-7	CHLOROBENZENE	ug/kg	0.63 U	0.52 U	0.54 U	0.72 UJ
75-00-3	CHLOROETHANE	ug/kg	1.8 U	1.5 U	1.5 U	2 U
67-66-3	CHLOROFORM	ug/kg	0.93 U	0.77 U	0.8 U	1.1 U
74-87-3	CHLOROMETHANE	ug/kg	1.1 U	0.89 U	0.93 U	1.2 U
156-59-2	CIS-1,2-DICHLOROETHYLENE	ug/kg	1.1 U	0.93 U	0.97 U	1.3 U
10061-01-5	CIS-1,3-DICHLOROPROPENE	ug/kg	0.91 U	0.75 U	0.78 U	1 U
110-82-7	CYCLOHEXANE	ug/kg	1.3 U	1.1 U	1.1 U	1.4 U
124-48-1	DIBROMOCHLOROMETHANE	ug/kg	0.68 UJ	0.56 UJ	0.59 U	0.77 U
75-71-8	DICHLORODIFLUOROMETHANE	ug/kg	0.82 UJ	0.68 UJ	0.71 U	0.93 U
100-41-4	ETHYLBENZENE	ug/kg	4.5 J	0.65 U	0.67 U	0.89 UJ
98-82-8	ISOPROPYLBENZENE (CUMENE)	ug/kg	0.61 U	0.5 U	0.52 U	R
XYLMP	M,P-XYLENE (SUM OF ISOMERS)	ug/kg	3.9 J	0.75 U	0.78 U	1 UJ
79-20-9	METHYL ACETATE	ug/kg	1.9 U	1.6 U	1.6 U	2.2 U
78-93-3	METHYL ETHYL KETONE (2-BUTANONE)	ug/kg	3.9 U	3.2 U	3.4 U	4.5 U
108-10-1	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	ug/kg	3.7 U	3 U	3.2 U	4.2 U
108-87-2	METHYLCYCLOHEXANE	ug/kg	1.3 U	1.1 U	1.1 U	1.5 U
75-09-2	METHYLENE CHLORIDE	110/kg	18 U	15 U	15 UI	7.2 11
95-47-6	O-XYI ENE (1 2-DIMETHYI BENZENE)	ug/kg	2.2 I	0.71 U	0.74 U	0.97 UI
100-42-5	STYRENE	110/20	0.57 U	0.47 U	0.49 U	0.64 111
1634-04-4	TERT_BUTYI METHYI ETHER	ug/kg	12 U	1 U	1 11	1.4 U
127-18-4	TETRACHI OROETHYI ENE(PCE)	ug/Kg	13 U	11 U	11 U	1.4 U
108 88 3	TOLUENE	ug/kg	0.81 U	0.67 U	0.60 U	0.02.11
156 60 5	TPANS 1.2 DICHLOROETHENE	ug/kg	0.87 U	0.07 U	0.09 U	0.92 0
10061 00 6	TDANS 1.2 DICHLORODODENE	ug/kg	0.07 U	0.72 U	0.75 U	0.99 0
70.01.5	TRAINS-1,5-DICHLOKUPKUPENE	ug/Kg	1 U	0.82 U	0.86 U	1.1 U
79-01-0	TRICHLOROETHYLENE (TCE)	ug/kg	1.1 U	0.89 U	0.93 0	1.2 U
13-09-4	TRICHLUKOFLUUKOMETHANE	ug/kg	1.7 U	1.4 U	1.4 U	1.9 U
/5-01-4	VINYL CHLORIDE	ug/kg	1.6 U	1.3 U	1.3 U	1.8 U

Con Ed - Ludlow Site		Location ID:	SB-16	SB-17	SB-17	TP-6FLOOR
Validated Soil Analytical Data		Sample ID:	SB-16(45-47)	SB-17(33-35)	SB-17(45-47)	TP-6FLOOR
SDGs: D4710,	D1751, D5300	Lab Sample Id:	D5300-02	D5300-08	D5300-09	D4751-10
		Depth:	45 - 47 ft	33 - 35 ft	45 - 47 ft	-
		Source:	CTECH	CTECH	CTECH	CTECH
		SDG:	D5300	D5300	D5300	D4751
		Matrix:	SOIL	SOIL	SOIL	SOIL
		Sampled:	12/20/2012 17:10	12/21/2012 15:00	12/21/2012 15:30	11/7/2012 10:30
		Validated:	1/23/2013	1/23/2013	1/23/2013	1/23/2013
CAS NO.	COMPOUND	UNITS:				
	SEMIVOLATILES	4 .		10.17		10.77
95-94-3	1,2,4,5-TETRACHLOROBENZENE	ug/kg	16.6 U	13.6 U	14.2 U	19 U
58-90-2	2,5,4,6-TETRACHLOROPHENOL	ug/kg	10.0 U	15.0 U	14.2 U	19 U 24 U
93-93-4	2,4,5-TRICHLOROFHENOL	ug/kg	29.7 U 12.0 U	24.2 U 10.6 U	23.5 U	54 U 15 U
120-83-2	2.4.DICHLOROPHENOL	ug/kg	12.9 U	13.1 U	13.7 U	15 U 18 U
105-67-9	2.4-DIMETHYLPHENOL	ug/kg	24 U	19.6 U	20.4 U	27 U
51-28-5	2.4-DINITROPHENOL	ug/kg	43 UJ	35.1 UJ	36.6 UJ	49 UJ
121-14-2	2.4-DINITROTOLUENE	ug/kg	12.8 U	10.5 U	10.9 U	15 U
606-20-2	2,6-DINITROTOLUENE	ug/kg	17.2 U	14.1 U	14.7 U	20 U
91-58-7	2-CHLORONAPHTHALENE	ug/kg	9.6 U	7.9 U	8.2 U	11 U
95-57-8	2-CHLOROPHENOL	ug/kg	22.3 U	18.2 U	19 U	25 U
91-57-6	2-METHYLNAPHTHALENE	ug/kg	10.6 U	8.7 U	190 J	12 U
95-48-7	2-METHYLPHENOL (O-CRESOL)	ug/kg	22.9 U	18.7 U	19.6 U	26 U
88-74-4	2-NITROANILINE	ug/kg	18.8 U	15.3 U	16 U	21 U
88-75-5	2-NITROPHENOL	ug/kg	20.4 U	16.7 U	17.4 U	23 U
91-94-1	3,3'-DICHLOROBENZIDINE	ug/kg	27.1 U	22.2 U	23.1 U	31 U
MEPH3MEPH	3+4-Methylphenols	ug/kg	21.9 U	17.9 U	18.7 U	25 U
99-09-2 524 52 1	3-NITROANILINE 4.6 DINITRO 2 METHVI DHENOI	ug/kg	27.1 U 24.2 UI	22.2 U	23.1 U 20.6 UI	31 U 28 UI
101 55 3	4,0-DINITRO-2-METHTLFHENOL 4 RROMODUENVI DUENVI ETHER	ug/kg	24.2 UJ 8.2 U	19.8 UJ	20.0 UJ 7 U	28 UJ 0.4 U
59-50-7	4-CHI ORO-3-METHYI PHENOI	ug/kg	18.8 U	15 3 U	16 U	9.4 U 21 U
106-47-8	4-CHLOROANILINE	ug/kg	29.8 U	24.3 U	25.4 U	34 UJ
7005-72-3	4-CHLOROPHENYL PHENYL ETHER	ug/kg	22.9 U	18.7 U	19.6 U	26 U
100-01-6	4-NITROANILINE	ug/kg	55 U	44.9 U	46.9 U	63 U
100-02-7	4-NITROPHENOL	ug/kg	78.4 U	64.1 U	66.9 U	90 U
83-32-9	ACENAPHTHENE	ug/kg	11.9 U	9.7 U	10.2 U	14 U
208-96-8	ACENAPHTHYLENE	ug/kg	10.6 U	8.7 U	9.1 U	12 U
98-86-2	ACETOPHENONE	ug/kg	12.9 U	10.6 U	11 U	15 U
120-12-7	ANTHRACENE	ug/kg	8.6 U	7 U	7.4 U	9.8 U
1912-24-9	ATRAZINE	ug/kg	22.3 U	18.2 U	19 U	25 U
100-32-7 56-55-3	BENZO(A)ANTHRACENE	ug/kg	22.1 U 20.2 U	165 U	10.0 U 17.2 U	25 U 350 I
50-32-8	BENZO(A)PYRENE	ug/kg	20.2 U 91 U	7.5 U	7.8 U	410 J
205-99-2	BENZO(B)FLUORANTHENE	ug/kg	13.8 U	11.3 U	11.8 U	500
191-24-2	BENZO(G,H,I)PERYLENE	ug/kg	17.1 U	14 U	14.6 U	290 J
207-08-9	BENZO(K)FLUORANTHENE	ug/kg	19.9 U	16.3 U	17 U	23 U
85-68-7	BENZYL BUTYL PHTHALATE	ug/kg	20.3 U	16.6 U	17.3 U	23 U
92-52-4	BIPHENYL (DIPHENYL)	ug/kg	16 U	13 U	13.6 U	18 U
111-91-1	BIS(2-CHLOROETHOXY) METHANE	ug/kg	24.3 U	19.9 U	20.8 U	28 U
111-44-4	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	ug/kg	20.3 U	16.6 U	17.3 U	23 U
108-60-1	BIS(2-CHLOROISOPROPYL) ETHER	ug/kg	17.5 U	14.3 U	14.9 U 480	20 U
105 60 2	CAPPOLACTAM	ug/kg	10 G U	12.2 U 16 U	460 16 8 U	17 U 22 U
86-74-8	CARBAZOLE	ug/kg	93 U	76 U	79 U	11 U
218-01-9	CHRYSENE	ug/kg	19.1 U	15.6 U	16.3 U	400 J
53-70-3	DIBENZ(A,H)ANTHRACENE	ug/kg	12.2 U	9.9 U	10.4 U	14 U
132-64-9	DIBENZOFURAN	ug/kg	16.5 U	13.5 U	14.1 U	19 U
84-66-2	DIETHYL PHTHALATE	ug/kg	6.6 U	5.4 U	5.6 U	7.5 U
131-11-3	DIMETHYL PHTHALATE	ug/kg	400 J	350	390	632
84-74-2	DI-N-BUTYL PHTHALATE	ug/kg	33.2 U	27.1 U	150 J	38 U
117-84-0	DI-N-OCTYLPHTHALATE	ug/kg	4.8 U	3.9 U	4.1 U	5.5 U
206-44-0	FLUORANTHENE	ug/kg	8.5 U	6.9 U	7.2 U	750
86-73-7	FLUORENE	ug/kg	16 U	13 U	13.6 U	18 U 20 U
118-74-1	HEXACHLOROBENZENE	ug/kg	17.2 U	14.1 U	14.7 U	20 U
87-08-3	HEXACHLOROBU I ADIENE	ug/kg	15.5 U 10.2 UI	12.5 U 8.4 UI	15.1 U 9 9 111	18 U
67-72-1	HEXACHLOROETHANE	ug/kg	10.5 UJ 180 U	6.4 UJ 15.4 U	0.0 UJ 16 L U	12 U 22 U
193-39-5	INDENO(1 2 3-C D)PYRENE	ug/kg ug/kg	14.1 U	11.5 U	10.1 U	22 0 270 I
78-59-1	ISOPHORONE	ug/kg	13.9 U	11.5 U	11.9 U	16 U
91-20-3	NAPHTHALENE	ug/kg	14.6 U	11.9 U	250 J	17 U
98-95-3	NITROBENZENE	ug/kg	16 U	13 U	13.6 U	18 U
621-64-7	N-NITROSODI-N-PROPYLAMINE	ug/kg	21.3 U	17.4 U	18.2 U	24 U
86-30-6	N-NITROSODIPHENYLAMINE	ug/kg	10.1 U	8.3 U	8.6 U	12 U
87-86-5	PENTACHLOROPHENOL	ug/kg	28.9 U	23.6 U	24.6 U	33 U
85-01-8	PHENANTHRENE	ug/kg	11.4 U	9.3 U	9.7 U	450 J
108-95-2	PHENUL	ug/kg	9.8 U	8 U	8.3 U	11 U
127-00-0	I INENE	ug/kg	10.1 U	8.3 U	8.0 U	090
Con Ed - Lud	low Site	Location ID:	SB-16	SB-17	SB-17	TP-6FLOOR
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Validated Soi	l Analytical Data	Sample ID:	SB-16(45-47)	SB-17(33-35)	SB-17(45-47)	TP-6FLOOR
SDGs: D4710	), D1751, D5300	Lab Sample Id:	D5300-02	D5300-08	D5300-09	D4751-10
		Depth:	45 - 47 ft	33 - 35 ft	45 - 47 ft	-
		Source:	CTECH	CTECH	CTECH	CTECH
		SDG:	D5300	D5300	D5300	D4751
		Matrix:	SOIL	SOIL	SOIL	SOIL
		Sampled:	12/20/2012 17:10	12/21/2012 15:00	12/21/2012 15:30	11/7/2012 10:30
		Validated:	1/23/2013	1/23/2013	1/23/2013	1/23/2013
CAS NO.	COMPOUND	UNITS:				
	INORGANICS					
7429-90-5	ALUMINUM	mg/kg	6040 J	2860 J	9120 J	9100 J
7440-36-0	ANTIMONY	mg/kg	0.61 UJ	0.47 UJ	0.51 UJ	0.36 UJ
7440-38-2	ARSENIC	mg/kg	1.18	0.68 J	0.73 J	14.5 J
7440-39-3	BARIUM	mg/kg	74.4 J	33.3 J	50.8 J	122 J
7440-41-7	BERYLLIUM	mg/kg	0.33	0.1 J	0.06 J	0.04 U
7440-43-9	CADMIUM	mg/kg	0.07 U	0.05 U	0.05 U	1.73
7440-70-2	CALCIUM	mg/kg	12500 J	1980 J	5560 J	6580 J
7440-47-3	CHROMIUM, TOTAL	mg/kg	12.9 J	10.6 UJ	25.5 J	28.7 J
7440-48-4	COBALT	mg/kg	7.11	4.01	6.27	9.95
7440-50-8	COPPER	mg/kg	9.59	8.81	31.1	173 J
7439-89-6	IRON	mg/kg	15800 J	7530 J	13000 J	39400
7439-92-1	LEAD	mg/kg	8.35	2.92	20.3	356
7439-95-4	MAGNESIUM	mg/kg	5840 J	2040 J	3950 J	4080 J
7439-96-5	MANGANESE	mg/kg	443 J	519 J	332 J	345 J
7439-97-6	MERCURY	mg/kg	0.005 J	0.003 J	0.014	6.2
7440-02-0	NICKEL	mg/kg	19.1	11.8	17.6	29.2
7440-09-7	POTASSIUM	mg/kg	2050 J	730 J	1420 J	901 J
7782-49-2	SELENIUM	mg/kg	0.63 J	0.38 J	0.51 J	2.18
7440-22-4	SILVER	mg/kg	0.37 J	0.17 J	0.18 J	0.39
7440-23-5	SODIUM	mg/kg	1100	188	913	2090 J
7440-28-0	THALLIUM	mg/kg	0.29 U	0.23 U	0.25 U	1.46
7440-62-2	VANADIUM	mg/kg	16.6	10.3	22.4	26 J
7440-66-6	ZINC	mg/kg	25.1 J	13.1 J	28.6 J	315
57-12-5	CYANIDE	mg/kg	0.294 J	0.172 J	0.257 J	0.297 J

Con Ed - Ludle	bw Site	Location ID:	FIEL DOC
Validated Soil	Analytical Data	Sample ID:	FB122112
SDGe: D4710	D1751 D5200	Lab Sample Id:	D5300 10
SDUS. D4710,	D1751, D5500	Dopth:	D5500-10
		Source:	CTECH
		Source.	D5200
		SDO. Motrivi	DJ300
		Sampladi	12/21/2012 15:20
		Validatadı	1/22/2012 13:30
CASNO	COMPOLIND	UNITE.	1/23/2013
CAS NO.	VOLATILES	UNITS.	ug/L
71 55 6	1 1 1 TRICHLOROFTHANE	na/ka	0411
79-34-5	1 1 2 2-TETRACHLOROFTHANE	ug/kg	0.4 U
76-13-1	1 1 2-TRICHLORO-1 2 2-TRIELUOROETHANE	ug/kg	0.45 U
79-00-5	1 1 2-TRICHLOROFTHANE	ug/kg	0.38 U
75-34-3	1 1-DICHLOROETHANE	ug/kg	0.36 U
75-35-4	1 1-DICHLOROFTHENE	ug/kg	0.30 U 0.47 U
87-61-6	1.2.3-TRICHLOROBENZENE	ug/kg	0.2 U
120-82-1	1.2.4-TRICHLOROBENZENE	ug/kg	0.2 U
96-12-8	1.2. DIBROMO 3-CHI OROPROPANE	ug/kg	0.2 U
106-93-4	1 2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	ug/kg	0.40 U
95-50-1	1 2-DICHI OROBENZENE	ug/kg	0.41 U
107-06-2	1.2-DICHLOROFTHANE	ug/kg ug/kg	0.45 U
78-87-5	1.2-DICHLOROPROPANE	ug/kg	0.46 U
541-73-1	1 3-DICHLOROBENZENE	ug/kg	0.43 U
106-46-7	1 4-DICHLOROBENZENE	ug/kg ug/kg	0.32 U
123-91-1	1.4-DIOYANE (P-DIOYANE)	ug/kg	10 UI
591-78-6	2-HEXANONE	ug/kg	10 U
57 64 1	ACETONE	ug/kg	1.9 U
71 43 2	RENZENE	ug/kg	0.3 U
71-45-2	BROMOCHI OROMETHANE	ug/kg	0.32 U
75-27-4	BROMODICHI OROMETHANE	ug/kg	0.2 U
75-27-4	BROMOFORM	ug/kg	0.30 U
74-83-9	BROMOMETHANE	ug/kg ug/kg	0.47 0
75-15-0	CARBON DISULFIDE	ug/kg	0.2 U
56-23-5	CARBON TETRACHLORIDE	ug/kg	0.2 U
108-90-7	CHLOROBENZENE	ug/kg ug/kg	0.2 UJ
75-00-3	CHLOROFTHANE	ug/kg	0.49 U
67-66-3	CHLOROFORM	ug/kg	0.2 U
74-87-3	CHLOROMETHANE	ug/kg	02.U
156-59-2	CIS-1 2-DICHLOROETHYLENE	ug/kg	0.35 U
10061-01-5	CIS-1.3-DICHLOROPROPENE	ug/kg	0.31 U
110-82-7	CYCLOHEXANE	ug/kg	0.2 U
124-48-1	DIBROMOCHLOROMETHANE	ug/kg	0.2 U
75-71-8	DICHLORODIFLUOROMETHANE	ug/kg	0.2 U
100-41-4	ETHYLBENZENE	ug/kg	0.2 U
98-82-8	ISOPROPYLBENZENE (CUMENE)	ug/kg	0.45 U
XYLMP	M.P.XYLENE (SUM OF ISOMERS)	ug/kg	0.95 U
79-20-9	METHYLACETATE	ug/kg	0.2 U
78-93-3	METHYL ETHYL KETONE (2-BUTANONE)	ug/kg	1.3 U
108-10-1	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	ug/kg	2.1 U
108-87-2	METHYLCYCLOHEXANE	ug/kg	0.2 U
75-09-2	METHYLENE CHLORIDE	ug/kg	0.41 U
95-47-6	O-XYLENE (1.2-DIMETHYLBENZENE)	ug/kg	0.43 U
100-42-5	STYRENE	ug/kg	0.36 U
1634-04-4	TERT-BUTYL METHYL ETHER	ug/kg	0.35 U
127-18-4	TETRACHLOROETHYLENE(PCE)	ug/kg	0.27 U
108-88-3	TOLUENE	ug/kg	0.37 U
156-60-5	TRANS-1,2-DICHLOROETHENE	ug/kg	0.41 U
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ug/kg	0.29 U
79-01-6	TRICHLOROETHYLENE (TCE)	ug/kg	0.28 U
75-69-4	TRICHLOROFLUOROMETHANE	ug/kg	0.35 U
75-01-4	VINYL CHLORIDE	ug/kg	0.34 U

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Con Ed - Ludle	nw Site	Location ID:	FIFI DOC
Validated Soil	Analytical Data	Sample ID:	FB122112
SDGs: D4710	D1751 D5300	Lab Sample Id:	D5300-10
5003. 04/10,	D1751, D5500	Denth:	-
		Source:	CTECH
		SDG:	D5300
		Matrix:	SOIL
		Sampled:	12/21/2012 15:30
		Validated:	1/22/2012 15:50
CASNO	COMPOUND	UNITS:	1/25/2015
CAS NO.	SEMIVOLATILES	UNITS.	ug/L
95-94-3	1245-TETRACHLOROBENZENE	110/ko	0.24 U
58-90-2	2.3.4.6-TETRACHLOROPHENOL	ug/kg	0.24 U
95-95-4	2.4.5-TRICHLOROPHENOL	ug/kg	0.48 U
88-06-2	2.4.6-TRICHLOROPHENOL	ug/kg	0.67 U
120-83-2	2.4-DICHLOROPHENOL	ug/kg	0.79 U
105-67-9	2.4-DIMETHYLPHENOL	ug/kg	0.85 U
51-28-5	2.4-DINITROPHENOL	ug/kg	2.5 UJ
121-14-2	2,4-DINITROTOLUENE	ug/kg	1.2 U
606-20-2	2,6-DINITROTOLUENE	ug/kg	0.38 U
91-58-7	2-CHLORONAPHTHALENE	ug/kg	0.19 U
95-57-8	2-CHLOROPHENOL	ug/kg	0.64 U
91-57-6	2-METHYLNAPHTHALENE	ug/kg	0.38 U
95-48-7	2-METHYLPHENOL (O-CRESOL)	ug/kg	0.29 U
88-74-4	2-NITROANILINE	ug/kg	0.58 U
88-75-5	2-NITROPHENOL	ug/kg	0.62 U
91-94-1	3,3'-DICHLOROBENZIDINE	ug/kg	2.4 U
MEPH3MEPH	3+4-Methylphenols	ug/kg	0.45 U
99-09-2	3-NITROANILINE	ug/kg	1.3 U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	ug/kg	0.88 UJ
101-55-3	4-BROMOPHENYL PHENYL ETHER	ug/kg	0.27 U
59-50-7	4-CHLORO-3-METHYLPHENOL	ug/kg	0.48 U
106-47-8	4-CHLOROANILINE	ug/kg	3.4 U
7005-72-3	4-CHLOROPHENYL PHENYL ETHER	ug/kg	0.25 U
100-01-6	4-NITROANILINE	ug/kg	1.6 U
100-02-7	4-NITROPHENOL	ug/kg	2.4 U
83-32-9	ACENAPHTHENE	ug/kg	0.25 U
208-96-8	ACENAPHTHYLENE	ug/kg	0.83 U
98-86-2	ACETOPHENONE	ug/kg	0.17 U
120-12-7	ANTHRACENE	ug/kg	0.19 U
1912-24-9	ATRAZINE	ug/kg	0.48 U
100-52-7	BENZALDEHYDE	ug/kg	0.92 U
56-55-3	BENZO(A)ANTHRACENE	ug/kg	0.19 U
50-32-8	BENZO(A)PYRENE	ug/kg	0.17 U
205-99-2	BENZO(B)FLUORANTHENE	ug/kg	0.35 U
191-24-2	BENZO(G,H,I)PERYLENE	ug/kg	0.35 U
207-08-9	BENZO(K)FLUORANTHENE	ug/kg	0.21 U
85-68-7	BENZYL BUTYL PHTHALATE	ug/kg	0.23 U
92-52-4	BIPHENYL (DIPHENYL)	ug/kg	0.18 U
111-91-1	BIS(2-CHLOROETHOXY) METHANE	ug/kg	0.65 U
111-44-4	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	ug/kg	0.65 U
108-60-1	BIS(2-CHLOROISOPROPYL) ETHER	ug/kg	0.2 U
117-81-7	BIS(2-ETHYLHEXYL) PHTHALATE	ug/kg	0.19 U
105-60-2	CAPROLACTAM	ug/kg	2.4 U
86-74-8	CARBAZOLE	ug/kg	0.26 U
218-01-9	CHRYSENE	ug/kg	0.21 U
53-70-3	DIBENZ(A,H)ANTHRACENE	ug/kg	0.5 U
132-64-9	DIBENZOFURAN	ug/kg	0.29 U
84-66-2	DIETHYL PHTHALATE	ug/kg	0.45 U
131-11-3	DIMETHYL PHTHALATE	ug/kg	0.26 U
84-74-2	DI-N-BUTYL PHTHALATE	ug/kg	2.4 U
117-84-0	DI-N-OCTYLPHTHALATE	ug/kg	0.61 U
206-44-0	FLUORANTHENE	ug/kg	0.48 U
86-73-7	FLUORENE	ug/kg	0.37 U
118-74-1	HEXACHLOROBENZENE	ug/kg	0.21 U
87-68-3	HEXACHLOROBUTADIENE	ug/kg	0.3 U
77-47-4	HEXACHLOROCYCLOPENTADIENE	ug/kg	0.29 U
67-72-1	HEXACHLOROETHANE	ug/kg	0.3 U
193-39-5	INDENO(1,2,3-C,D)PYRENE	ug/kg	0.18 U
78-59-1	ISOPHORONE	ug/kg	0.36 U
91-20-3	NAPHTHALENE	ug/kg	0.14 U
98-95-3	NITROBENZENE	ug/kg	0.81 U
621-64-7	N-NITROSODI-N-PROPYLAMINE	ug/kg	0.24 U
86-30-6	N-NITROSODIPHENYLAMINE	ug/kg	0.71 U
87-86-5	PENTACHLOROPHENOL	ug/kg	2 U
85-01-8	PHENANTHRENE	ug/kg	0.31 U
108-95-2	PHENOL	ug/kg	0.25 U
129-00-0	PYRENE	ug/kg	0.24 U

Con Ed - Lud	llow Site	Location ID:	FIELDQC
Validated Soi	il Analytical Data	Sample ID:	FB122112
SDGs: D4710	0, D1751, D5300	Lab Sample Id:	D5300-10
		Depth:	-
		Source:	CTECH
		SDG:	D5300
		Matrix:	SOIL
		Sampled:	12/21/2012 15:30
		Validated:	1/23/2013
CAS NO.	COMPOUND	UNITS:	ug/L
	INORGANICS		
7429-90-5	ALUMINUM	mg/kg	44.8 J
7440-36-0	ANTIMONY	mg/kg	8 U
7440-38-2	ARSENIC	mg/kg	4.2 U
7440-39-3	BARIUM	mg/kg	4 U
7440-41-7	BERYLLIUM	mg/kg	0.7 U
7440-43-9	CADMIUM	mg/kg	0.5 U
7440-70-2	CALCIUM	mg/kg	599 J
7440-47-3	CHROMIUM, TOTAL	mg/kg	21.3
7440-48-4	COBALT	mg/kg	5.8 U
7440-50-8	COPPER	mg/kg	2 U
7439-89-6	IRON	mg/kg	551
7439-92-1	LEAD	mg/kg	2.6 U
7439-95-4	MAGNESIUM	mg/kg	35.6 J
7439-96-5	MANGANESE	mg/kg	5.61 J
7439-97-6	MERCURY	mg/kg	0.092 U
7440-02-0	NICKEL	mg/kg	7.24 J
7440-09-7	POTASSIUM	mg/kg	1190
7782-49-2	SELENIUM	mg/kg	4.8 U
7440-22-4	SILVER	mg/kg	1.5 U
7440-23-5	SODIUM	mg/kg	787 J
7440-28-0	THALLIUM	mg/kg	2.4 U
7440-62-2	VANADIUM	mg/kg	6.1 U
7440-66-6	ZINC	mg/kg	8.24 J
57-12-5	CYANIDE	mg/kg	3 U

# ATTACHMENT A-2

# VALIDATED LABORATORY DATA FOR GROUNDWATER SAMPLES

Validated Growneyner Analysteal Date         Names         MW-3         MW-3         MW-3         MW-3         MW-3           Validated Growneyner Analysteal Date         Names         CTECH         CTECH         CTECH         CTECH         CTECH         CTECH         CTECH         CTECH         NATER	Con Ed - Ludlo	ow Site	Location ID:	MW-1	MW-3	MW-4	MW-7	MW-8
Lab Sample Liz         DolP17-09         Di917-09         Di917-09         Di917-02         Di917-02           Senere         SCIC:         D-947	Validated Grou	indwater Analytical Data	Sample ID:	MW-1	MW-3	MW-4	MW-7	MW-8
Samee:         CTECH Nativ:         CTECH WATER         WATER			Lab Sample Id	D4947-01	D4947-09	D4947-07	D4947-08	D4947-02
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$			Source:	CTECH	CTECH	CTECH	CTECH	CTECH
Name         WATER Valletor         Valletor         Valletor     <			SDG:	D4947	D4947	D4947	D4947	D4947
Sampled:         Sampled:         1/22/2012 102         1/27/2012 1120         1/2/2012 1120         1/2/2012 1120			Matrix:	WATER	WATER	WATER	WATER	WATER
CASNO.         COMPOUND         UNITS:         1/23/2013         1/23/			Sampled:	11/26/2012 10:30	11/27/2012 15:10	11/27/2012 11:50	11/27/2012 13:15	11/26/2012 13:20
CASE 00         COMPOUND         UNITS           VOLATURS         up1         0.4 U         <			Validated:	1/23/2013	1/23/2013	1/23/2013	1/23/2013	1/23/2013
VOLATILES         VOLATILES         VOLATILES         VOLATILES         VOLATILES           79-356         1,1,2-TERLINGOLTIANE         ug1         0.31 U         0.31 U <td>CAS NO.</td> <td>COMPOUND</td> <td>UNITS:</td> <td></td> <td></td> <td></td> <td></td> <td></td>	CAS NO.	COMPOUND	UNITS:					
71-556         I_I_TREINORGETIANE         up1         0.4 U		VOLATILES						
79-34-5         1,1.2.2.TERLINGON_2.2.TRELINGON_2.2.TRELINGON_TANE         ugl         0.31 U	71-55-6	1,1,1-TRICHLOROETHANE	ug/l	0.4 U				
7-13-1         1,12-TRUCHORON-1,22-TREFLUQROFTHANE         ugl         0.45 U         0.35	79-34-5	1,1,2,2-TETRACHLOROETHANE	ug/l	0.31 U				
7>06.5         1,1-2-TRCILLOROETHANE         ug/         0.38 U         0.36 U	76-13-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	0.45 U				
75-34       I_DCHLOROETHANE       ugl       0.36 U       0.36 U       0.36 U       0.36 U       0.36 U         87-61-6       1,2,3-TRCHLOROBENZENE       ugl       0.65 U       0.65 U       0.65 U       0.62 U <t< td=""><td>79-00-5</td><td>1,1,2-TRICHLOROETHANE</td><td>ug/l</td><td>0.38 U</td><td>0.38 U</td><td>0.38 U</td><td>0.38 U</td><td>0.38 U</td></t<>	79-00-5	1,1,2-TRICHLOROETHANE	ug/l	0.38 U				
75-35-4         1,1-DCHLORDEFINENCE         ugil         0.47 U         0.47 U         0.47 U         0.47 U         0.47 U         0.47 U         0.45 U         0.65 U         0.65 U         0.65 U         0.62 U         0.64 U         0.44 U	75-34-3	1,1-DICHLOROETHANE	ug/l	0.36 U				
\$7:61-6         1.2.3-TRICHLOROBENZENE         ug/1         0.65 U         0.64 U         0.45 U	75-35-4	1,1-DICHLOROETHENE	ug/l	0.47 U				
12:05:21         12.4-TRICHLOROBENZENE         ug1         0.62 U         0.64 U	87-61-6	1,2,3-TRICHLOROBENZENE	ug/l	0.65 U				
96:12.8         1.2-DIBROMO-3-CILLOROPROPANE         ug1         0.46 U         0.41 U         0.43 U         0.43 U         0.43 U         0.44 U         0.45 U         0.44 U         0.44 U         0.45 U         0.44 U         0.44 U         0.45 U         0.44 U         0.41 U	120-82-1	1,2,4-TRICHLOROBENZENE	ug/l	0.62 U				
16-93-4         12-DIBROMOETHANE (ETHYLENE DIBROMIDE)         ug1         0.41 U         0.44 U         0.44 U         0.45 U         0.45 U         0.45 U         0.45 U         0.45 U         0.44 U         0.43 U         0.35 U         0.	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	ug/l	0.46 U				
95:50-1       1.2-DICHLOROBENZENE       ug1       0.45 U       0.48 U       0.43 U       0.32 U       0.45 U       1.9 U       1.2 U	106-93-4	1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	ug/l	0.41 U				
107-06-2         1.2-DICHLOROPENANE         ug1         0.48 U         0.48 U         0.48 U         0.48 U         0.48 U         0.48 U         0.44 U         0.46 U         0.43 U         0.32 U         0.36 U	95-50-1	1,2-DICHLOROBENZENE	ug/l	0.45 U				
75.87:5       1.2-DICHLOROPENZENE       ug1       0.46 U       0.46 U       0.46 U       0.46 U       0.46 U       0.46 U       0.43 U       0.42 U       0.52 U       0.52 U       0.52 U       0.52 U       0.52 U       0.52 U       2.5 U       2.2 U       2.2 U       2.2 U       2.2 U       2.2 U       0.52 U </td <td>107-06-2</td> <td>1,2-DICHLOROETHANE</td> <td>ug/l</td> <td>0.48 U</td> <td>0.48 U</td> <td>0.48 U</td> <td>0.48 U</td> <td>0.48 U</td>	107-06-2	1,2-DICHLOROETHANE	ug/l	0.48 U				
	78-87-5	1,2-DICHLOROPROPANE	ug/l	0.46 U				
106-6-7       1,4-DICLOROBENZENE       ug1       0.32 U       0.32 U       0.32 U       0.32 U       50 UJ         501-78-6       2-HEXANONE       ug1       1.9 U       1.8 U       2.8 UJ	541-73-1	1,3-DICHLOROBENZENE	ug/l	0.43 U				
123-91.1       1,4-DIOXANE (P-DIOXANE)       ug1       50 UJ       19 U       28 U       22 U       23 U	106-46-7	1,4-DICHLOROBENZENE	ug/l	0.32 U				
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	123-91-1	1,4-DIOXANE (P-DIOXANE)	ug/l	50 UJ	50 UJ	50 U	50 UJ	50 UJ
	591-78-6	2-HEXANONE	ug/l	1.9 U				
71-43-2       BENZENE       ug/l       0.32 U       350       0.32 U       600       0.32 U         74-97-5       BROMOCHLOROMETHANE       ug/l       0.36 UJ       0.47 UJ       0.42 U       0.52 UJ       0.55 U       0.55 U       0.55 U       0.55 U       0.55 U       0.55 UJ       0.55 U       0.55 UJ       0.55 UJ       0.55 UJ       0.55 UJ	67-64-1	ACETONE	ug/l	2.8 UJ	2.8 UJ	2.8 U	2.8 UJ	2.8 UJ
74-97-5BROMOCHLOROMETHANEug/l $2.2 U$ $2.2 $	71-43-2	BENZENE	ug/l	0.32 U	350	0.32 U	690	0.32 U
75-27-4       BROMODICHLOROMETHANE       ug/l       0.36 UJ       0.36 UJ       0.36 UJ       0.36 UJ       0.36 UJ       0.47 UJ         75-25-2       BROMOREM       ug/l       0.62 UJ       0.62 UJ <td>74-97-5</td> <td>BROMOCHLOROMETHANE</td> <td>ug/l</td> <td>2.2 U</td> <td>2.2 U</td> <td>2.2 U</td> <td>2.2 U</td> <td>2.2 U</td>	74-97-5	BROMOCHLOROMETHANE	ug/l	2.2 U				
75-25-2       BROMOROM       ug/l       0.47 UJ       0.62 UJ	75-27-4	BROMODICHLOROMETHANE	ug/l	0.36 UJ	0.36 UJ	0.36 U	0.36 UJ	0.36 UJ
74.83-9       BROMOMETHANE       ug/l       0.62 UJ       0.62 UJ       0.62 UJ       0.62 UJ       0.62 UJ         75.15-0       CARBON IDUFIDE       ug/l       0.62 UJ       0.64 U       0.54 U       0.52 UJ       0.62 UJ       0.63 UJ       0	75-25-2	BROMOFORM	ug/l	0.47 UJ	0.47 UJ	0.47 U	0.47 UJ	0.47 UJ
75-15-0       CARBON DISULFIDE       ug/l       0.54 U       0.54 U       0.54 U       0.54 U       0.54 U       0.54 U       0.62 UU       0.54 UU       0.34 U       0.34 U       0.34 U       0.34 UU       0.34 UU       0.34 UU       0.35 U       0.55 U <t< td=""><td>74-83-9</td><td>BROMOMETHANE</td><td>ug/l</td><td>0.62 UJ</td><td>0.62 UJ</td><td>0.62 U</td><td>0.62 UJ</td><td>0.62 UJ</td></t<>	74-83-9	BROMOMETHANE	ug/l	0.62 UJ	0.62 UJ	0.62 U	0.62 UJ	0.62 UJ
56-23-5       CARBON TETRACHLORIDE       ug/l       0.62 UJ       0.64 UJ       0.66 U       0.65 U       0.54 UJ       0.54 UJ       0.54 UJ       0.54 UJ       0.54 UJ       0.54 UJ       0.55 U       0.55 U <t< td=""><td>75-15-0</td><td>CARBON DISULFIDE</td><td>ug/l</td><td>0.54 U</td><td>0.54 U</td><td>0.54 U</td><td>0.54 U</td><td>0.54 U</td></t<>	75-15-0	CARBON DISULFIDE	ug/l	0.54 U				
108-90-7       CHLOROBENZENE       ug/l       0.49 U       0.49 U       0.49 U       0.49 U       0.49 U       0.49 U       0.66 U       0.64 U       0.34 U       0.35 U       0.55 U       0.55 U       0.55 U       0.55 U       0.55 U       0.52 U       0.52 U       0.52 U       0.52 U       0.55 U       0.52 U	56-23-5	CARBON TETRACHLORIDE	ug/l	0.62 UJ	0.62 UJ	0.62 U	0.62 UJ	0.62 UJ
75-00-3       CHLOROFTHANE       ug/l       0.66 U       0.64 U       0.34 U       0.35 U       0.31 U       0.35 U       0.35 U </td <td>108-90-7</td> <td>CHLOROBENZENE</td> <td>ug/l</td> <td>0.49 U</td> <td>0.49 U</td> <td>0.49 U</td> <td>0.49 U</td> <td>0.49 U</td>	108-90-7	CHLOROBENZENE	ug/l	0.49 U				
67-66-3         CHLOROFORM         ug/l         0.34 U         0.54 UJ         0.51 UJ         0.31 U         0.32 UJ         0.52 UJ	75-00-3	CHLOROETHANE	ug/l	0.66 U				
74-87-3       CHLOROMETHANE       ug/l       0.54 UJ       0.54 UJ       0.54 UJ       0.54 UJ       0.54 UJ         156-59-2       CIS-1,2-DICHLOROETHYLENE       ug/l       0.35 U       0.45 J       0.35 U       0.35 U       0.35 U       0.35 U       0.31 U       0.55 U <td>67-66-3</td> <td>CHLOROFORM</td> <td>ug/l</td> <td>0.34 U</td> <td>0.34 U</td> <td>0.34 U</td> <td>0.34 U</td> <td>0.34 U</td>	67-66-3	CHLOROFORM	ug/l	0.34 U				
156-59-2       CIS-1,2-DICHLOROETHYLENE       ug/l       0.35 U       0.45 J       0.35 U       0.35 U       0.35 U       0.35 U       0.35 U       0.35 U       0.31 U       0.55 U       0.53 U       0.53 U       270       0.53 U       0.53 U       0.55 U <t< td=""><td>74-87-3</td><td>CHLOROMETHANE</td><td>ug/l</td><td>0.54 UJ</td><td>0.54 UJ</td><td>0.54 U</td><td>0.54 UJ</td><td>0.54 UJ</td></t<>	74-87-3	CHLOROMETHANE	ug/l	0.54 UJ	0.54 UJ	0.54 U	0.54 UJ	0.54 UJ
10061-01-5       CIS-1,3-DICHLOROPROPENE       ug/l       0.31 U       0.55 U	156-59-2	CIS-1,2-DICHLOROETHYLENE	ug/l	0.35 U	0.45 J	0.35 U	0.35 U	0.35 U
110-82-7       CYCLOHEXANE       ug/l       0.55       0.55       0.55       0.52       U       0.52       UJ         124-48-1       DIBROMOCHLOROMETHANE       ug/l       0.52       UJ       0.53       U       0.53	10061-01-5	CIS-1,3-DICHLOROPROPENE	ug/l	0.31 U				
124-48-1       DIBROMOCHLOROMETHANE       ug/l       0.52 UJ       0.55 U       0.53 U       270       0.53 U       98-82-8       ISOPROPYLBENZENE (CUMENE)       ug/l       0.45 U       7       0.45 U       24       0.45 U         YPLAP       M.P-XYLENE (SUM OF ISOMERS)       ug/l       0.95 U       410       0.95 U       420       0.95 U       0.83 UJ       0.85 U       0.55 U       0.55 U       0.55 U <td< td=""><td>110-82-7</td><td>CYCLOHEXANE</td><td>ug/l</td><td>0.55 U</td><td>5.5</td><td>0.55 U</td><td>2.7 J</td><td>0.55 U</td></td<>	110-82-7	CYCLOHEXANE	ug/l	0.55 U	5.5	0.55 U	2.7 J	0.55 U
75-71-8       DICHLORODIFLUOROMETHANE       ug/l       0.55 U       0.53 U         100-41-4       ETHYLBENZENE (CUMENE)       ug/l       0.53 U       250       0.53 U       270       0.53 U         98-82-8       ISOPROPYLBENZENE (CUMENE)       ug/l       0.45 U       7       0.45 U       24       0.45 U         YLMP       M.P-XYLENE (SUM OF ISOMERS)       ug/l       0.95 U       410       0.95 U       420       0.95 U         78-93-3       METHYL ACETATE       ug/l       0.83 UJ       0.80 UJ       1.3 U       1.0 U       0.41 U       0.41 U <t< td=""><td>124-48-1</td><td>DIBROMOCHLOROMETHANE</td><td>ug/l</td><td>0.52 UJ</td><td>0.52 UJ</td><td>0.52 U</td><td>0.52 UJ</td><td>0.52 UJ</td></t<>	124-48-1	DIBROMOCHLOROMETHANE	ug/l	0.52 UJ	0.52 UJ	0.52 U	0.52 UJ	0.52 UJ
100-41-4       EIHYLBENZENE       ug/l       0.53 U       220       0.53 U       270       0.53 U         98-82-8       ISOPROPYLBENZENE (CUMENE)       ug/l       0.45 U       7       0.45 U       24       0.45 U         YNLMP       M.P-XYLENE (SUM OF ISOMERS)       ug/l       0.95 U       410       0.95 U       420       0.95 U         79-20-9       METHYL ACETATE       ug/l       0.83 UJ       0.	75-71-8	DICHLORODIFLUOROMETHANE	ug/l	0.55 U				
98-82-8       ISOPROPYLEBENZENE (CUMENE)       ug/l       0.45 U       7       0.45 U       24       0.45 U         XYLMP       M,P-XYLENE (SUM OF ISOMERS)       ug/l       0.95 U       410       0.95 U       420       0.95 U         79-20-9       METHYL ACETATE       ug/l       0.83 UJ       0.83 UJ       0.83 UJ       0.83 UJ       0.83 UJ       0.83 UJ         78-93-3       METHYL ETHYL KETONE (2-BUTANONE)       ug/l       1.3 U       1.4 U       0.68 U       10       0.68 U       3.5 J       0.68 U       0.68 U       10       0.41 U       0.52 J       127 J       127 J	100-41-4	ETHYLBENZENE	ug/l	0.53 U	250	0.53 U	270	0.53 U
XYLMP       M,P-XYLENE (SUM OF ISOMERS)       ug/l       0.95 U       410       0.95 U       420       0.95 U         79-20-9       METHYL ACETATE       ug/l       0.83 UJ       0.43 U <td>98-82-8</td> <td>ISOPROPYLBENZENE (CUMENE)</td> <td>ug/l</td> <td>0.45 U</td> <td>7</td> <td>0.45 U</td> <td>24</td> <td>0.45 U</td>	98-82-8	ISOPROPYLBENZENE (CUMENE)	ug/l	0.45 U	7	0.45 U	24	0.45 U
1/9-20-9       METHYL ACETATE       ug/l       0.83 UJ       0.33 U       1.3 U <t< td=""><td>XYLMP</td><td>M,P-XYLENE (SUM OF ISOMERS)</td><td>ug/l</td><td>0.95 U</td><td>410</td><td>0.95 U</td><td>420</td><td>0.95 U</td></t<>	XYLMP	M,P-XYLENE (SUM OF ISOMERS)	ug/l	0.95 U	410	0.95 U	420	0.95 U
78-95-5       METHYL ETHYL KETONE (2-BUTANONE)       ug/l       1.3 U	79-20-9	METHYL ACEIAIE	ug/l	0.83 UJ	0.83 UJ	0.83 U	0.83 UJ	0.83 UJ
108-10-1         METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)         ug/l         2.1 UJ	/8-93-3	METHYL EIHYL KEIONE (2-BUTANONE)	ug/l	1.3 U				
108-87-2         METHYLEYCLOHEAANE         ug/l         0.68 U         10         0.68 U         3.5 J         0.68 U           75-09-2         METHYLENE CHLORIDE         ug/l         0.41 U         0.43 U         190         0.43 U         100         0.43 U         0.27 U<	108-10-1	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	ug/I	2.1 UJ	2.1 UJ	2.1 U	2.1 UJ	2.1 UJ
/5-09-2       METHYLENE CHLORIDE       ug/l       0.41 U       0.52 J       127.18.4       TETRACHLOROETHYLENE(PCE)       ug/l       0.27 U       0.37 U       0.41 U	108-87-2	METHYLCYCLOHEXANE	ug/I	0.68 U	10	0.68 U	3.5 J	0.68 U
y3-4/-0       0-X I LEINE (1,2-DIMETHYLEBENZENE)       ug/l       0.43 U       190       0.43 U       190       0.43 U         100-42-5       STYRENE       ug/l       0.36 U       59       0.36 U       18       0.36 U         1634-04-4       TERT-BUTYL METHYL ETHER       ug/l       0.35 U       0.35 U       0.35 U       0.35 U       0.35 U       0.27 U       0.27 U       0.27 U         127-18-4       TERACHLOROETHYLENE(PCE)       ug/l       0.27 U	/5-09-2	METHYLENE CHLOKIDE	ug/I	0.41 U				
100-42-3         51 KENE         ug/l         0.36 U         59         0.36 U         18         0.36 U         0.35 U         0.27 U         0.37 U         270         0.37 U         100         105         0.56 U         18         0.36 U         0.41 U         0.42 U         0.28 U	93-47-6 100-42-5	U-A I LENE (1,2-DIMETHYLBENZENE)	ug/I	0.43 U	190	0.43 U	190	0.43 U
ID3-90-4         TERT-BOTTE METHTLE HERK         ug/l         0.35 U         0.35 U         0.55 U         0.55 U         0.52 J           127-18-4         TETRACHLOROETHYLENE(PCE)         ug/l         0.27 U         0.42 J         0.27 U         0	1624 04 4	SIIRENE TEDT DUTVI METUVI ETHED	ug/1	0.30 U	59 0.25 II	0.36 U	18	0.30 U
127-18-4         TELERACHLOROFTH LENE(FCE)         ug/l         0.27 U         0.42 J         0.27 U         0.37 U         108-88-3         TOLUENE         ug/l         0.37 U         280         0.37 U         270         0.37 U         0.37 U         0.37 U         0.41 U         0.42 U         0.28 U         0.35 U         0.35 U         0.35 U	1034-04-4	TERT-BUITL METHYL ETHEK	ug/1	0.35 U	0.35 U	0.35 U	0.35 U	0.52 J
INDECENT         ug/l         0.3 / U         280         0.3 / U         270         0.3 / U           156-60-5         TRANS-1,2-DICHLOROETHENE         ug/l         0.41 U         <	12/-18-4	TO LIENE	ug/1	0.27 U	0.42 J	0.27 U	0.27 U	0.27 U
130-00-5         TRAING-1,2-DICHLOROPEINENE         ug/l         0.41 U         0.34 U         0.35 U         0.35 U	108-88-3	TRANS 1.2 DICHLOROFTHENE	ug/I	0.37 U	280	0.37 U	2/0	0.37 U
ug/l         0.29 UJ         0.28 U         0.35 U         0.34 U<	10061 02 6	TDANS 1.2 DICHLORODODENE	ug/I	0.41 U				
17-01-0         TRICHLOROFTH LEINE (ICE)         ug/l         0.28 U	70.01.6	TRANS-1,3-DICHLOROFROFENE	ug/1	0.29 UJ	0.29 UJ	0.29 U	0.29 UJ	0.29 UJ
1/3-02-4 TRUTHLOROVEDTHAINE UB/1 0.55 U 0.55	75 60 /		ug/1	0.28 U				
	75-01-4	VINVL CHLORIDE	ug/1	0.35 U				

Con Ed - Ludle	bw Site	Location ID:	MW-1	MW-3	MW-4	MW-7	MW-8
Validated Grou	indwater Analytical Data	Sample ID:	MW-1	MW-3	MW-4	MW-7	MW-8
, unduited Grot	individer Finalytical Data	Lab Sample Id-	D4947-01	D4947-09	D4947-07	D4947-08	D4947-02
		Source:	CTECH	CTECH	CTECH	CTECH	CTECH
		SDG:	D4947	D4947	D4947	D4947	D4947
		Motriv:	WATED	WATED	WATED	WATED	WATED
		Samplad:	11/26/2012 10:20	11/27/2012 15:10	11/27/2012 11:50	11/27/2012 12:15	11/26/2012 12:20
		Validatad:	1/22/2012 10.50	1/22/2012 13.10	1/22/2012 11.50	1/22/2012 15.15	1/22/2012 15.20
CASNO	COMPOUND	UNITS:	1/23/2013	1/25/2015	1/25/2015	1/25/2015	1/23/2013
ensito.	SEMIVOLATILES	ornino.					
95-94-3	1 2 4 5-TETRACHLOROBENZENE	119/1	0.22 11	0.21 111	0.33 U	0.21 U	0.21 U
58-90-2	2 3 4 6-TETRACHLOROPHENOL	ug/l	0.22 U	0.21 UI	0.33 U	0.21 U	0.21 U
05 05 4	2.4.5 TRICHLOROPHENOL	ug/l	0.45 U	0.42 UI	0.66 U	0.42 U	0.42 U
88 06 2	2.4.6 TPICHI OPOPHENOI	ug/l	0.63 U	0.58 UI	0.00 U	0.50 U	0.50 U
120 82 2	2.4. DICHLOROPHENOL	ug/I	0.05 U	0.58 UJ	1.1 U	0.59 U	0.59 U
120-03-2	2,4-DICHLOROFHENOL	ug/I	0.74 U	0.09 U	1.1 U	0.09 U	0.09 U
51 29 5	2,4-DIWETHTLFHENOL	ug/I	0.8 U	0.74 U	2.4 11	0.75 U	0.75 U
51-28-5	2,4-DINITROPHENOL	ug/1	2.4 UJ	2.2 UJ	5.4 UJ	2.2 UJ	2.2 UJ
121-14-2	2,4-DINITROTOLUENE	ug/l	1.2 U	1.1 UJ	1.7 U	1.1 U	1.1 U
606-20-2	2,6-DINITROTOLUENE	ug/l	0.36 U	0.33 UJ	0.52 U	0.34 U	0.34 U
91-58-7	2-CHLORONAPHTHALENE	ug/l	0.18 U	0.17 UJ	0.26 U	0.17 U	0.17 U
95-57-8	2-CHLOROPHENOL	ug/l	0.61 U	0.56 U	0.89 U	0.57 U	0.57 U
91-57-6	2-METHYLNAPHTHALENE	ug/l	0.36 U	320	0.52 U	130	0.34 U
95-48-7	2-METHYLPHENOL (O-CRESOL)	ug/l	0.27 U	0.25 U	0.39 U	0.25 U	0.25 U
88-74-4	2-NITROANILINE	ug/l	0.55 U	0.51 UJ	0.8 U	0.52 U	0.52 U
88-75-5	2-NITROPHENOL	ug/l	0.58 U	0.54 U	0.85 U	0.55 U	0.55 U
91-94-1	3,3'-DICHLOROBENZIDINE	ug/l	2.2 U	2.1 U	3.3 U	2.1 U	2.1 U
MEPH3MEPH	3+4-Methylphenols	ug/l	0.43 U	0.4 U	0.62 U	0.4 U	0.4 U
99-09-2	3-NITROANILINE	ug/l	1.2 U	1.1 UJ	1.8 U	1.1 U	1.1 U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	ug/l	0.83 UJ	0.77 UJ	1.2 UJ	0.78 UJ	0.78 UJ
101-55-3	4-BROMOPHENYL PHENYL ETHER	ug/l	0.26 U	0.24 UJ	0.38 U	0.24 U	0.24 U
59-50-7	4-CHLORO-3-METHYLPHENOL	ug/l	0.45 U	0.42 U	0.66 U	0.42 U	0.42 U
106-47-8	4-CHLOROANILINE	ug/l	3.2 U	2.1 U	4.7 U	3 U	3 U
7005-72-3	4-CHLOROPHENYL PHENYL ETHER	ug/l	0.24 U	0.22 UJ	0.34 U	0.22 U	0.22 U
100-01-6	4-NITROANILINE	ug/l	1.5 U	14 UJ	2.2 U	14 U	14 U
100-02-7	4-NITROPHENOI	119/1	2.2 11	2.1 111	331	21 U	21 U
83-32-9	ACENAPHTHENE	ug/l	0.24 U	17.1 I	0.34 U	12.1	0.22 11
208-96-8	ACENAPHTHVI ENE	ug/1	0.24 0	84.2	11 U	791	0.74 U
208-90-8	ACETOPHENONE	ug/l	0.79 U 0.16 U	0.15 U	0.22 U	7.9 J 5 Q I	0.74 U
120 12 7	ANTHDACENE	ug/I	0.10 U	10.6 I	0.25 U	0.17 U	0.15 U
1012 24 0	ATDAZINE	ug/I	0.18 U	0.42 111	0.20 U	0.17 U	0.17 U
1912-24-9	AT KALINE DENZAL DEHVDE	ug/I	0.45 U	0.42 UJ	1.2 U	0.42 U	0.42 U
56 55 2	DENZALDEN I DE DENZO(A) ANTHDACENE	ug/I	0.87 U	0.8 U	0.26 U	0.81 U	0.81 U
50-33-3	DENZO(A)ANTRACENE	ug/1	0.16 U	0.17 U	0.20 U	0.17 U	0.17 U
50-32-8	BENZO(A)PYKENE	ug/I	0.16 U	0.15 U	0.23 U	0.15 U	0.15 U
205-99-2	BENZO(B)FLUOKANTHENE	ug/I	0.33 U	0.3 U	0.48 U	0.31 U	0.31 U
191-24-2	BENZO(G,H,I)PERYLENE	ug/I	0.33 U	0.3 U	0.48 U	0.31 U	0.31 U
207-08-9	BENZO(K)FLUORANTHENE	ug/l	0.2 U	0.19 U	0.3 U	0.19 U	0.19 U
85-68-7	BENZYL BUTYL PHTHALATE	ug/l	0.21 U	0.2 U	0.31 U	0.2 U	0.2 U
92-52-4	BIPHENYL (DIPHENYL)	ug/l	0.17 U	25.1 J	0.25 U	7.3 J	0.16 U
111-91-1	BIS(2-CHLOROETHOXY) METHANE	ug/l	0.62 U	0.57 U	0.9 U	0.58 U	0.58 U
111-44-4	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	ug/l	0.62 U	0.57 U	0.9 U	0.58 U	0.58 U
108-60-1	BIS(2-CHLOROISOPROPYL) ETHER	ug/l	0.19 U	0.18 U	0.28 U	0.18 U	0.18 U
117-81-7	BIS(2-ETHYLHEXYL) PHTHALATE	ug/l	0.18 U	0.17 U	15.4 J	0.17 U	0.17 U
105-60-2	CAPROLACTAM	ug/l	2.2 U	2.1 U	3.3 U	2.1 U	2.1 U
86-74-8	CARBAZOLE	ug/l	0.25 U	6.2 J	0.36 U	0.23 U	0.23 U
218-01-9	CHRYSENE	ug/l	0.2 U	0.19 U	0.3 U	0.19 U	0.19 U
53-70-3	DIBENZ(A,H)ANTHRACENE	ug/l	0.47 U	0.44 U	0.69 U	0.44 U	0.44 U
132-64-9	DIBENZOFURAN	ug/l	0.27 U	4.5 J	0.39 U	0.25 U	0.25 U
84-66-2	DIETHYL PHTHALATE	ug/l	0.43 U	0.4 UJ	0.62 U	0.4 U	0.4 U
131-11-3	DIMETHYL PHTHALATE	ug/l	0.25 U	0.23 UJ	0.36 U	0.23 U	0.23 U
84-74-2	DI-N-BUTYL PHTHALATE	ug/l	2.2 U	2.1 UJ	3.3 U	2.1 U	2.1 U
117-84-0	DI-N-OCTYLPHTHALATE	ug/l	0.57 U	0.53 U	0.84 U	0.54 U	0.54 U
206-44-0	FLUORANTHENE	ug/l	0.45 U	7.6 J	0.66 U	0.42 U	0.42 U
86-73-7	FLUORENE	ug/l	0.35 U	34.7 J	0.51 U	9.9 J	0.33 U
118-74-1	HEXACHLOROBENZENE	ug/l	0.2 U	0.19 UJ	0.3 U	0.19 U	0.19 U
87-68-3	HEXACHLOROBUTADIENE	ug/l	0.28 U	0.26 U	0.41 U	0.26 U	0.26 U
77-47-4	HEXACHLOROCYCLOPENTADIENE	ug/l	0.27 U	0.25 UJ	0.39 U	0.25 U	0.25 U
67-72-1	HEXACHLOROETHANE	ug/l	0.28 U	0.26 U	0.41 U	0.26 U	0.26 U
193-39-5	INDENO(1.2.3-C.D)PYRENE	ug/l	017 U	0 16 U	0 25 U	016 U	0.16 U
78-59-1	ISOPHORONE	11g/l	0.34 11	0.31 U	0 49 11	0.32 11	0.32 11
91-20-3	NAPHTHALENE	110/1	0 13 11	2500	0.2 11	1300	0.13 U
98-95-3	NITROBENZENE	110/1	0.76 U	0.71 11	1111	0.72 11	0 72 11
621-64-7	N-NITROSODI-N-PROPYLAMINE	110/1	0.22 11	0.21 11	0 33 11	0.21 11	0.21 11
86-30-6	N-NITROSODIPHENYI AMINE	110/1	0.67 11	0.63 111	0.08 11	0.63 U	0.63 U
87-86-5	PENTACHI OROPHENOI	ug/1	10 11	1.8 111	2811	1.8 11	1.8 11
85-01-8	PHENANTHRENE	ug/1	0.20 11	46.2 I	0.43 U	14.2	0.27 11
108-05-2	PHENOL	ug/1	0.27 U	0.2 1	0.450	0.22 11	0.27 U
120 00 0	DVDENE	ug/1	0.24 0	10.1 I	0.34 0	0.22 0	0.22 0
127-00-0	I INLINE	ug/1	0.22 U	10.1 J	0.33 U	0.21 U	0.21 U

Con Ed - Lud	low Site	Location ID:	MW-1	MW-3	MW-4	MW-7	MW-8
Validated Gro	undwater Analytical Data	Sample ID:	MW-1	MW-3	MW-4	MW-7	MW-8
		Lab Sample Id:	D4947-01	D4947-09	D4947-07	D4947-08	D4947-02
		Source:	CTECH	CTECH	CTECH	CTECH	CTECH
		SDG:	D4947	D4947	D4947	D4947	D4947
		Matrix:	WATER	WATER	WATER	WATER	WATER
		Sampled:	11/26/2012 10:30	11/27/2012 15:10	11/27/2012 11:50	11/27/2012 13:15	11/26/2012 13:20
		Validated:	1/23/2013	1/23/2013	1/23/2013	1/23/2013	1/23/2013
CAS NO.	COMPOUND	UNITS:					
	INORGANICS						
7429-90-5	ALUMINUM	ug/l	331 J	72.9 UJ	161000 J	268 J	1860 J
7440-36-0	ANTIMONY	ug/l	4.98 J	5.31 J	4 UJ	6.86 J	5.06 J
7440-38-2	ARSENIC	ug/l	6.1	2.45 J	206	2.1 U	4.85 J
7440-39-3	BARIUM	ug/l	159 J	106 J	2170 J	109 J	104 J
7440-41-7	BERYLLIUM	ug/l	0.35 UJ	0.35 UJ	7.1 J	0.35 UJ	0.35 UJ
7440-43-9	CADMIUM	ug/l	0.25 U	0.32 J	25	0.25 U	0.3 J
7440-70-2	CALCIUM	ug/l	91200 J	58900 J	67500 J	105000 J	78800 J
7440-47-3	CHROMIUM, TOTAL	ug/l	55.8 UJ	13.8 UJ	352 J	23.5 UJ	28.6 UJ
7440-48-4	COBALT	ug/l	2.9 U	2.9 U	263	2.9 U	4.32 J
7440-50-8	COPPER	ug/l	6.08 J	7.44 J	822 J	1.44 J	20.7 J
7439-89-6	IRON	ug/l	5890 J	1160 J	520000 J	680 UJ	3790 J
7439-92-1	LEAD	ug/l	1.34 J	6.72	10700	1.72 J	24.5 J
7439-95-4	MAGNESIUM	ug/l	22100 J	21500 J	53000 J	37800 J	25200 J
7439-96-5	MANGANESE	ug/l	4090 J	1100 J	6820 J	1030 J	1520 J
7439-97-6	MERCURY	ug/l	0.092 J	0.092 U	16.85	0.092 U	0.092 U
7440-02-0	NICKEL	ug/l	31.6 U	12.2 U	689	19.4 U	18.2 UJ
7440-09-7	POTASSIUM	ug/l	8980 J	8370 J	23300 J	8420 J	8280 J
7782-49-2	SELENIUM	ug/l	2.4 U	2.4 U	26	2.4 U	2.4 U
7440-22-4	SILVER	ug/l	0.75 UJ	0.75 UJ	25.7 J	0.75 UJ	0.75 UJ
7440-23-5	SODIUM	ug/l	361000 J	3480000 J	167000 J	535000 J	628000 J
7440-28-0	THALLIUM	ug/l	1.2 UJ	1.2 UJ	5.2 J	1.2 UJ	1.2 UJ
7440-62-2	VANADIUM	ug/l	3.05 UJ	3.05 UJ	438 J	3.05 UJ	5.36 J
7440-66-6	ZINC	ug/l	10.2 UJ	11.8 UJ	5910 J	9.49 UJ	30.8 UJ
57-12-5	CYANIDE	ug/l	3 U	123	224	27	5 U

			Dup of MW-8			
Con Ed - Ludl	ow Site	Location ID:	MW-18	MW-9	FIELDQC	FIELDQC
Validated Gro	undwater Analytical Data	Sample ID:	MW-18	MW-9	FB112712	TRIPBLANK
	,	Lab Sample Id:	D4947-03	D4947-04	D4947-11	D4947-10
		Source.	CTECH	CTECH	CTECH	CTECH
		SDG <sup>.</sup>	D4947	D4947	D4947	D4947
		Matrix:	WATER	WATER	WATER	WATER
		Sampled:	11/26/2012 13:20	11/26/2012 14:45	11/27/2012 13:45	11/20/2012 9:00
		Validatad:	1/22/2012 13.20	1/22/2012 14.45	1/22/2012 13.45	1/20/2012 9.00
CASNO	COMPOLIND	Vanualeu.	1/25/2015	1/23/2013	1/25/2015	1/25/2015
CAS NO.	VOLATILES	UNITS.				
71.55.6	VULATILES		0.4.11	0.4.11	0.4.11	0.4.11
/1-55-6	1,1,1-1RICHLOKOETHANE	ug/l	0.4 U	0.4 U	0.4 U	0.4 U
79-34-5	1,1,2,2-IEIRACHLOROEIHANE	ug/l	0.31 U	0.31 U	0.31 U	0.31 U
/6-13-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	0.45 U	0.45 U	0.45 U	0.45 U
79-00-5	1,1,2-TRICHLOROETHANE	ug/l	0.38 U	0.38 U	0.38 U	0.38 U
75-34-3	1,1-DICHLOROETHANE	ug/l	0.36 U	0.36 U	0.36 U	0.36 U
75-35-4	1,1-DICHLOROETHENE	ug/l	0.47 U	0.47 U	0.47 U	0.47 U
87-61-6	1,2,3-TRICHLOROBENZENE	ug/l	0.65 U	0.65 U	0.65 U	0.65 U
120-82-1	1,2,4-TRICHLOROBENZENE	ug/l	0.62 U	0.62 U	0.62 U	0.62 U
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	ug/l	0.46 U	0.46 U	0.46 U	0.46 U
106-93-4	1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	ug/l	0.41 U	0.41 U	0.41 U	0.41 U
95-50-1	1,2-DICHLOROBENZENE	ug/l	0.45 U	0.45 U	0.45 U	0.45 U
107-06-2	1,2-DICHLOROETHANE	ug/l	0.48 U	0.48 U	0.48 U	0.48 U
78-87-5	1,2-DICHLOROPROPANE	ug/l	0.46 U	0.46 U	0.46 U	0.46 U
541-73-1	1,3-DICHLOROBENZENE	ug/l	0.43 U	0.43 U	0.43 U	0.43 U
106-46-7	1,4-DICHLOROBENZENE	ug/l	0.32 U	0.32 U	0.32 U	0.32 U
123-91-1	1.4-DIOXANE (P-DIOXANE)	ug/l	50 UJ	50 UJ	50 UJ	50 UJ
591-78-6	2-HEXANONE	ug/l	1.9 U	1.9 U	1.9 U	19 U
67-64-1	ACETONE	119/1	2.8 111	2.8 UI	2.8 UI	2.8 UI
71-43-2	BENZENE	ug/1	0.32 U	0.32 U	0.32 U	0.32 U
74-97-5	BROMOCHLOROMETHANE	ug/1	2.2 U	2211	2.2 U	2.2 U
75-27-4	BROMODICHLOROMETHANE	ug/1	0.36 UI	0.36 UI	0.36 UI	0.36 UI
75-25-2	BROMOEORM	ug/1	0.47 111	0.47 111	0.47 111	0.30 03
74-83-9	BROMOMETHANE	ug/1	0.62 UI	0.62 111	0.62 UI	0.62 UI
75-15-0	CARBON DISULFIDE	ug/1	0.54 U	0.54 U	2 1	0.54 U
56-23-5	CARBON TETRACHLORIDE	ug/1	0.62 UI	0.62 111	0.62 111	0.62 UI
108 00 7	CHLODODENZENE	ug/l	0.02 UJ	0.02 UJ	0.02 UJ	0.02 UJ
75 00 2	CHLOROBENZENE	ug/I	0.49 U	0.49 U	0.49 U	0.49 U
67 66 2	CHLOROEORM	ug/I	0.00 U	0.00 U	0.00 U	0.00 U
74 87 2	CHLOROFORM	ug/1	0.54 U	0.54 U	0.54 U	0.54 U
156 50 2	CIS 1 2 DICHI ODOETHVI ENE	ug/1	0.34 UJ	0.34 UJ	0.34 UJ	0.34 UJ
10061 01 5	CIS-1,2-DICHLOROPROPENIE	ug/1	0.33 U	0.35 U	0.35 U	0.55 U
110 82 7	CNCLOHEVANE	ug/1	0.51 U	0.51 U	0.51 U	0.51 U
110-62-7	DIDROMOCIII ODOMETIJANE	ug/1	0.55 U	0.55 U	0.55 U	0.55 U
124-48-1	DIGULORODELLOROMETHANE	ug/1	0.52 UJ	0.52 UJ	0.52 UJ	0.52 UJ
/3-/1-8	DICHLORODIFLUOROMETHANE	ug/1	0.55 U	0.55 U	0.55 U	0.55 U
100-41-4	ETHYLBENZENE	ug/I	0.53 U	0.53 U	0.53 U	0.53 U
98-82-8	ISOPKOPYLBENZENE (CUMENE)	ug/I	0.45 U	0.45 U	0.45 U	0.45 U
XYLMP	M,P-X Y LENE (SUM OF ISOMERS)	ug/I	0.95 U	0.95 U	0.95 U	0.95 U
79-20-9	METHYL ACEIAIE	ug/I	0.83 UJ	0.83 UJ	0.83 UJ	0.83 UJ
/8-93-3	METHYL ETHYL KETONE (2-BUTANONE)	ug/l	1.3 U	1.3 U	1.3 U	1.3 U
108-10-1	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	ug/l	2.1 UJ	2.1 UJ	2.1 UJ	2.1 UJ
108-87-2	METHYLCYCLOHEXANE	ug/l	0.68 U	0.68 U	0.68 U	0.68 U
75-09-2	METHYLENE CHLORIDE	ug/l	0.41 U	0.41 U	4.3 J	0.41 U
95-47-6	O-XYLENE (1,2-DIMETHYLBENZENE)	ug/l	0.43 U	0.43 U	0.43 U	0.43 U
100-42-5	STYRENE	ug/l	0.36 U	0.36 U	0.36 U	0.36 U
1634-04-4	TERT-BUTYL METHYL ETHER	ug/l	0.49 J	1.4 J	0.35 U	0.35 U
127-18-4	TETRACHLOROETHYLENE(PCE)	ug/l	0.27 U	0.27 U	0.27 U	0.27 U
108-88-3	TOLUENE	ug/l	0.37 U	0.37 U	0.37 U	0.37 U
156-60-5	TRANS-1,2-DICHLOROETHENE	ug/l	0.41 U	0.41 U	0.41 U	0.41 U
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ug/l	0.29 UJ	0.29 UJ	0.29 UJ	0.29 UJ
79-01-6	TRICHLOROETHYLENE (TCE)	ug/l	0.28 U	0.28 U	0.28 U	0.28 U
75-69-4	TRICHLOROFLUOROMETHANE	ug/l	0.35 U	0.35 U	0.35 U	0.35 U
75-01-4	VINYL CHLORIDE	ug/l	0.34 U	0.34 U	0.34 U	0.34 U

			Dup of MW-8			
Con Ed - Ludlo	ow Site	Location ID:	MW-18	MW-9	FIELDQC	FIELDQC
Validated Grou	indwater Analytical Data	Sample ID:	MW-18	MW-9	FB112712	TRIPBLANK
		Lab Sample Id:	D4947-03	D4947-04	D4947-11	D4947-10
		Source:	CTECH	CTECH	CTECH	CTECH
		SDG:	D4947	D4947	D4947	D4947
		Matrix:	WATER	WATER	WATER	WATER
		Sampled:	11/26/2012 13:20	11/26/2012 14:45	11/27/2012 13:45	11/20/2012 9:00
		Validated:	1/23/2013	1/23/2013	1/23/2013	1/23/2013
CAS NO.	COMPOUND	UNITS:				
	SEMIVOLATILES					
95-94-3	1,2,4,5-TETRACHLOROBENZENE	ug/l	0.21 U	0.21 U	0.21 U	
58-90-2	2,3,4,6-TETRACHLOROPHENOL	ug/l	0.21 U	0.21 UJ	0.21 U	
95-95-4	2,4,5-TRICHLOROPHENOL	ug/l	0.42 U	0.42 U	0.41 U	
88-06-2	2,4,6-TRICHLOROPHENOL	ug/l	0.58 U	0.59 U	0.58 U	
120-83-2	2,4-DICHLOROPHENOL	ug/l	0.69 U	0.69 U	0.68 U	
105-67-9	2,4-DIMETHYLPHENOL	ug/l	0.74 U	0.75 U	0.73 U	
51-28-5	2,4-DINITROPHENOL	ug/l	2.2 UJ	2.2 UJ	2.2 UJ	
121-14-2	2,4-DINITROTOLUENE	ug/l	1.1 U	1.1 U	1.1 U	
606-20-2	2,6-DINITROTOLUENE	ug/l	0.33 U	0.34 U	0.33 U	
91-58-7	2-CHLORONAPHTHALENE	ug/l	0.17 U	0.17 U	0.16 U	
95-57-8	2-CHLOROPHENOL	ug/l	0.56 U	0.57 U	0.56 U	
91-57-6	2-METHYLNAPHTHALENE	ug/l	0.33 U	0.34 U	0.33 U	
95-48-7	2-METHYLPHENOL (O-CRESOL)	ug/l	0.25 U	0.25 U	0.25 U	
88-74-4	2-NITROANILINE	ug/l	0.51 U	0.52 U	0.51 U	
88-75-5	2-NITROPHENOL	ug/l	0.54 U	0.55 U	0.54 U	
91-94-1	3,3'-DICHLOROBENZIDINE	ug/l	2.1 U	2.1 U	2.1 U	
MEPH3MEPH	3+4-Methylphenols	ug/l	0.4 U	0.4 U	0.39 U	
99-09-2	3-NITROANILINE	ug/l	1.1 U	1.1 U	1.1 U	
534-52-1	4,6-DINITRO-2-METHYLPHENOL	ug/l	0.77 UJ	0.78 UJ	0.76 UJ	
101-55-3	4-BROMOPHENYL PHENYL ETHER	ug/l	0.24 U	0.24 U	0.24 U	
59-50-7	4-CHLORO-3-METHYLPHENOL	ug/l	0.42 U	0.42 U	0.41 U	
106-47-8	4-CHLOROANILINE	ug/l	2.1 U	3 U	2.9 U	
/005-72-3	4-CHLOROPHENYL PHENYL ETHER	ug/l	0.22 U	0.22 U	0.22 U	
100-01-6	4-NITROANILINE	ug/l	1.4 U	1.4 U	1.4 U	
100-02-7	4-NII KOPHENOL	ug/l	2.1 U	2.1 U	2.1 U	
83-32-9	ACENAPHTHENE	ug/l	0.22 U	0.22 U	0.22 U	
208-96-8	ACENAPHIHYLENE	ug/I	0.73 U	0.74 U	0.72 U	
98-86-2	ACETOPHENONE	ug/I	0.15 U	0.15 U	0.14 U	
120-12-7	AN I HKACENE	ug/l	0.17 U	0.17 U	0.16 U	
1912-24-9	AIKAZINE DENZAI DEHVDE	ug/1	0.42 U	0.42 U	0.41 U 0.70 U	
56 55 3	DENZALDEN I DE DENZO(A)ANTHDACENE	ug/l	0.8 U	0.81 U	0.79 U 0.16 U	
50 32 8	DENZO(A)ANTIKACENE DENZO(A)DVDENE	ug/l	0.17 U	0.17 U	0.10 U	
205 00 2	DENZO(A)I I KENE	ug/I	0.13 U	0.15 U	0.14 U	
101 24 2	DENZO(D)FECORANTHENE DENZO(C H I)DED VI ENE	ug/l	0.3 U	0.31 U	0.3 U	
207-08-9	BENZO(K)ELUORANTHENE	ug/l	0.19 U	0.19 U	0.19 U	
207-08-9	BENZU BUTU PHTHALATE	ug/l	0.19 U	0.19 U	0.19 U	
92-52-4	BIPHENYL (DIPHENYL)	ug/1	0.16 U	0.2 U 0.16 U	0.15 U	
111-91-1	BIS(2-CHI OROFTHOXY) METHANE	ug/1	0.57 U	0.58 U	0.15 0	
111-44-4	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	ug/1	0.57 U	0.58 U	0.57 U	
108-60-1	BIS(2-CHLOROISOPROPYL) ETHER	ug/l	0.18 U	0.18 U	0.18 U	
117-81-7	BIS(2-ETHYLHEXYL) PHTHALATE	ug/l	0.17 U	017 U	0.16 U	
105-60-2	CAPROLACTAM	ug/l	2.1 U	2.1 U	2.1 U	
86-74-8	CARBAZOLE	ug/l	0.23 U	0.23 U	0.23 U	
218-01-9	CHRYSENE	ug/l	0.19 U	0.19 U	0.19 U	
53-70-3	DIBENZ(A,H)ANTHRACENE	ug/l	0.44 U	0.44 U	0.43 U	
132-64-9	DIBENZOFURAN	ug/l	0.25 U	0.25 U	0.25 U	
84-66-2	DIETHYL PHTHALATE	ug/l	0.4 U	0.4 U	0.39 U	
131-11-3	DIMETHYL PHTHALATE	ug/l	0.23 U	0.23 U	0.23 U	
84-74-2	DI-N-BUTYL PHTHALATE	ug/l	2.1 U	2.1 U	2.1 U	
117-84-0	DI-N-OCTYLPHTHALATE	ug/l	0.53 U	0.54 U	0.53 U	
206-44-0	FLUORANTHENE	ug/l	0.42 U	0.42 U	0.41 U	
86-73-7	FLUORENE	ug/l	0.32 U	0.33 U	0.32 U	
118-74-1	HEXACHLOROBENZENE	ug/l	0.19 U	0.19 U	0.19 U	
87-68-3	HEXACHLOROBUTADIENE	ug/l	0.26 U	0.26 U	0.26 U	
77-47-4	HEXACHLOROCYCLOPENTADIENE	ug/l	0.25 U	0.25 U	0.25 U	
67-72-1	HEXACHLOROETHANE	ug/l	0.26 U	0.26 U	0.26 U	
193-39-5	INDENO(1,2,3-C,D)PYRENE	ug/l	0.16 U	0.16 U	0.15 U	
78-59-1	ISOPHORONE	ug/l	0.31 U	0.32 U	0.31 U	
91-20-3	NAPHTHALENE	ug/l	0.13 U	0.13 U	0.12 U	
98-95-3	NITROBENZENE	ug/l	0.71 U	0.72 U	0.7 U	
621-64-7	N-NITROSODI-N-PROPYLAMINE	ug/l	0.21 U	0.21 U	0.21 U	
86-30-6	N-NITROSODIPHENYLAMINE	ug/l	0.63 U	0.63 U	0.62 U	
8/-86-5	PENIACHLOKOPHENOL	ug/l	1.8 U	1.8 U	1.8 U	
03-01-8		ug/I	0.27 U	0.27 U	0.27 U	
100-93-2	DVDENE	ug/1	0.22 U	0.22 U	0.22 U	
129-00-0	F I KEINE	ug/1	0.21 U	0.21 U	0.21 U	

			Dup of MW-8			
Con Ed - Lu	dlow Site	Location ID:	MW-18	MW-9	FIELDQC	FIELDQC
Validated Gr	oundwater Analytical Data	Sample ID:	MW-18	MW-9	FB112712	TRIPBLANK
		Lab Sample Id:	D4947-03	D4947-04	D4947-11	D4947-10
		Source:	CTECH	CTECH	CTECH	CTECH
		SDG:	D4947	D4947	D4947	D4947
		Matrix:	WATER	WATER	WATER	WATER
		Sampled:	11/26/2012 13:20	11/26/2012 14:45	11/27/2012 13:45	11/20/2012 9:00
		Validated:	1/23/2013	1/23/2013	1/23/2013	1/23/2013
CAS NO.	COMPOUND	UNITS:				
	INORGANICS					
7429-90-5	ALUMINUM	ug/l	9290 J	26.5 UJ	61.4 J	
7440-36-0	ANTIMONY	ug/l	4 UJ	4 UJ	4 UJ	
7440-38-2	ARSENIC	ug/l	15.3 J	13.7	2.1 U	
7440-39-3	BARIUM	ug/l	169 J	478 J	2.22 J	
7440-41-7	BERYLLIUM	ug/l	0.38 J	0.35 UJ	0.35 UJ	
7440-43-9	CADMIUM	ug/l	0.87 J	0.27 J	0.25 U	
7440-70-2	CALCIUM	ug/l	90000 J	198000 J	295 J	
7440-47-3	CHROMIUM, TOTAL	ug/l	37.9 UJ	11.8 UJ	25.7 J	
7440-48-4	COBALT	ug/l	12.8 J	2.9 U	2.9 U	
7440-50-8	COPPER	ug/l	59 J	1.11 J	1 UJ	
7439-89-6	IRON	ug/l	18700 J	17400 J	161 J	
7439-92-1	LEAD	ug/l	85.2 J	1.3 U	1.3 U	
7439-95-4	MAGNESIUM	ug/l	31000 J	88100 J	53.7 J	
7439-96-5	MANGANESE	ug/l	2030 J	4210 J	4.96 J	
7439-97-6	MERCURY	ug/l	0.092 U	0.092 U	0.092 U	
7440-02-0	NICKEL	ug/l	31 UJ	10 U	10.5	
7440-09-7	POTASSIUM	ug/l	10900 J	22200 J	763 J	
7782-49-2	SELENIUM	ug/l	2.4 U	2.82 J	2.4 U	
7440-22-4	SILVER	ug/l	0.75 UJ	0.75 UJ	0.75 UJ	
7440-23-5	SODIUM	ug/l	677000 J	18600 UJ	17600 J	
7440-28-0	THALLIUM	ug/l	1.2 UJ	1.2 UJ	1.2 UJ	
7440-62-2	VANADIUM	ug/l	20.6 J	3.05 UJ	3.05 UJ	
7440-66-6	ZINC	ug/l	90.7 J	3.25 UJ	14 J	
57-12-5	CYANIDE	ug/l	5 U	8 U	3 J	

# DATA USABILITY SUMMARY REPORT

# LUDLOW FORMER MGP SITE

# SUPPLEMENTAL REMEDIAL INVESTIGATION

Prepared For:



# CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.

31-01 20<sup>th</sup> Avenue Long Island City, NY 11105

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**APRIL 2013** 

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# LIST OF ATTACHMENTS

## ATTACHMENT A – VALIDATED LABORATORY DATA

# **SECTION 1**

# DATA USABILITY SUMMARY

Soil gas samples were collected from the Consolidated Edison Ludlow Former MGP site on October 24, 2012. 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 Proce dures (SOPs) for organic and inorganic data review.

The analytical laboratory for this project was Eurofins – Air Toxics (Eurofins). 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 24 days for the project samples.

The data packages received from Eurofins 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 reports which are summarized in Section 2.

# 1.2 SAMPLING AND CHAIN-OF-CUSTODY

The samples were collected, properly preser ved, shipped under a chain-of-custody (COC) record, and received at Eurofins within one day of sampling. All samples were received intact and in good condition at the laboratory.

# **1.3 LABORATORY ANALYTICAL METHODS**

The soil gas sam ples that were collected f rom the site were analyzed f or volatile organic compounds (VOCs). Summaries of issues concerning these laboratory analyses are presented in Subsections 1.3.1. The data qualifications resulting from the data validation review and statements on the laboratory analytical precision, accuracy, representativeness, completeness, and comparability (PARCC) 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,

- "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 gas sam ples were analyzed for VOCs us ing the USEPA TO-15 analytical m ethod. Certain reported results for the VOC sam ples were qualified as estimated based upon laboratory control sample (LCS) recoveries. The reporte d VOC analytical results were 100% com plete (i.e., usable) for the soil gas data. PARCC requirements were met.

# **SECTION 2**

# DATA VALIDATION REPORT

### 2.1 SOIL GAS SAMPLES

Data review has been com pleted for data packages generated by Eurofins containing analytical results from soil gas sam ples collected from the site. All of these sam ples were properly preserved, shipped under a COC recor d, and received intact by the analytical laboratory. Analytical results for these samples were contained with SDG 1210554. Data validation was performed for all sam ples in accordance with the most current editions of the USEPA Region II SOPs for organic and inorgani c data review. This data validation and usability report is presented by analysis type. The validated laboratory data are presented in Attachment A.

## 2.1.1 Volatiles

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

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

These items were considered com pliant and acceptable in accordance with the validation protocols with the exception of LCS recoveries as discussed below.

### LCS Recoveries

All LCS recoveries were considered acceptable and within QC limits with the exception of the low LCS recoveries for ethanol (60%R, 61%R; QC limit 70-130%R) associated with all samples. Therefore, the ethanol results fo r these sam ples which were nondetects, were considered estimated, possibly biased low, and qualified "UJ" for the affected samples.

### Usability

All soil gas sample results were considered usable following data validation.

#### <u>Summary</u>

The quality assurance objectives f or measurement data included considerations f or precision, accuracy, representativeness, com pleteness, and comparability. The volatile soil gas data presented by Eurofins were 100% com plete (i.e., usable). The validated volatile laboratory data are tabulated and presented in Attachment A.

# ATTACHMENT A

# VALIDATED LABORATORY DATA

Coursell Jobs J E	41	L the ID.	CV 1	GM 2	CN/ 4
Consolidated E		Location ID.	SV-1	5 V-5	SV-4
Ludlow Street	Site	Sample ID:	SV-1	SV-3	SV-4
Validated Air A	Analytical Data	Lab Sample Id:	1210554-03A	1210554-01A	1210554-02A
		Source:	AIDTOVICS	AIDTOVICS	AIDTOVICS
		Source.	1210554	AIRTOXICS	AIRTOAICS
		SDG:	1210554	1210554	1210554
		Matrix:	SOIL VAPOR	SOIL VAPOR	SOIL VAPOR
		Sampled:	10/24/2012	10/24/2012	10/24/2012
		Validated:	4/15/2013	4/15/2013	4/15/2013
C L C NO	COMPATING	valluateu.	4/13/2015	4/15/2015	4/13/2013
CAS NO.	COMPOUND	UNITS:			
	VOLATILES				
67-64-1	ACETONE	ug/m3	260	150	220
107-05-1	ALLVI CHLORIDE (3-CHLOROPROPENE)	ug/m3	11 II	11 11	11 II
107-05-1	ALE LE CHEORIDE (3-CHEOROI ROI ENE)	ug/III3		11 U	11 U
100-44-7	ALPHA-CHLOROTOLUENE	ug/m3	4.6 U	4.4 U	4.5 U
71-43-2	BENZENE	ug/m3	20	2.7 U	8.6
75-27-4	BROMODICHLOROMETHANE	ug/m3	6 U	5.7 U	5.9 U
75-25-2	BROMOFORM	ug/m3	9211	8 8 U	0 11
74 82 0	DDOMOMETHANE	ug/m3	25 11	22 11	24 11
/4-03-9		ug/III5	33.0	33 0	54 0
106-99-0	1,3-BUTADIENE	ug/m3	34	1.9 U	4.4
75-15-0	CARBON DISULFIDE	ug/m3	17	11 U	14
56-23-5	CARBON TETRACHLORIDE	ug/m3	5.6 U	5.4 U	5.5 U
108 00 7	CHIODOBENZENE	ug/m3	4111	3011	4 11
108-90-7		ug/III3	4.1 0	3.9 0	40
75-00-3	CHLOROETHANE	ug/m3	9.4 U	90	9.2 U
67-66-3	CHLOROFORM	ug/m3	4.4 U	4.2 U	4.3 U
74-87-3	CHLOROMETHANE	ug/m3	18 U	18 U	18 U
110 82 7	CVCLOHEVANE	ug/m3	7.0	2011	3 11
110-62-7		ug/III3	7.7	2.9 U	30
124-48-1	DIBROMOCHLOROMETHANE	ug/m3	7.6 U	7.3 U	7.4 U
106-93-4	1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	ug/m3	6.9 U	6.6 U	6.7 U
75-71-8	DICHLORODIFLUOROMETHANE	ug/m3	5.9	4.2 U	4.3 U
75-34-3	1 1-DICHLOROFTHANE	ug/m3	3611	3511	3.5 11
107.06.2	1.2 DICHLOROETHANE	ug/III3	3.0 0	5.5 U	5.5 U
107-06-2	1,2-DICHLOROETHANE	ug/m3	3.6 U	3.5 U	3.5 U
75-35-4	1,1-DICHLOROETHENE	ug/m3	3.5 U	3.4 U	3.5 U
156-59-2	CIS-1.2-DICHLOROETHYLENE	ug/m3	3.5 U	3.4 U	3.5 U
156-60-5	TRANS-1 2-DICHI OROETHENE	ug/m3	3511	3411	3511
150-00-5		ug/1115	5.5 0	5.4 0	5.3 U
95-50-1	1,2-DICHLOROBENZENE	ug/m3	5.4 U	5.1 U	5.5 0
541-73-1	1,3-DICHLOROBENZENE	ug/m3	5.4 U	5.1 U	5.3 U
106-46-7	1,4-DICHLOROBENZENE	ug/m3	5.4 U	5.1 U	5.3 U
78-87-5	1 2-DICHLOROPROPANE	11g/m3	4 1 U	4 U	4 U
100(1.01.5		ug/1115	4.1 U	2011	4 U
10061-01-5	CIS-1,3-DICHLOROPROPENE	ug/m3	4.1 0	3.9 0	40
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ug/m3	4.1 U	3.9 U	4 U
123-91-1	1,4-DIOXANE (P-DIOXANE)	ug/m3	13 U	12 U	13 U
64-17-5	ETHANOL	11g/m3	67 UI	6.4 UI	66 UI
622.06.8		ug/m2		4211	4.2 U
022-90-8		ug/III5	4.4 0	4.2 U	4.5 0
100-41-4	ETHYLBENZENE	ug/m3	5.4	3.7 U	5.8
76-14-2	FREON 114	ug/m3	6.2 U	6 U	6.1 U
142-82-5	HEPTANE	ug/m3	13	3.5 U	190
87 68 3		ug/m3	38 11	36 U	37 11
07-00-5	I LEXACILLORODO I ADIENE	ug/III3	38 0	30 0	37 0
110-54-3	N-HEXANE	ug/m3	27	30	360
591-78-6	2-HEXANONE	ug/m3	15 U	14 U	14 U
98-82-8	ISOPROPYLBENZENE (CUMENE)	ug/m3	4.4 U	4.2 U	4.3 U
78-03-3	METHVI ETHVI KETONE (2-BUTANONE)	11g/m3	11	10 U	10 U
100 10 1	METHYL ICODITYL KETONE (A METHYL & DENTANONE)	ug/m2	271	2511	200
100-10-1	WETHYLENE CHLONDE (4-WETHYL-2-PENTANUNE)	ug/1115	5./ U	5.5 U	5.0 U
75-09-2	METHYLENE CHLORIDE	ug/m3	31 U	30 U	30 U
67-63-0	2-PROPANOL	ug/m3	8.8 U	8.4 U	8.6 U
103-65-1	N-PROPYLBENZENE	11g/m3	44 U	4 2 U	43 U
100 42 5	STVDENE	ug/m2	2.9.11	1.2 U 2 6 U	2711
100-42-3	DIIKENE TEDT DITXU METINU ETINU	ug/1115	5.8 U	5.0 U	5./ U
1634-04-4	IEKI-BUIYL MEIHYL EIHEK	ug/m3	3.2 U	3.1 U	3.2 U
79-34-5	1,1,2,2-TETRACHLOROETHANE	ug/m3	6.1 U	5.9 U	6 U
127-18-4	TETRACHLOROETHYLENE(PCE)	ug/m3	28	100	24
100-00-0	TETRAHVDROFURAN	ug/m3	2611	2511	2.6 U
109-99-9		ug/1115	2.0 0	2.5 0	2.0 0
108-88-3	IULUENE	ug/m3	55	23	60
120-82-1	1,2,4-TRICHLOROBENZENE	ug/m3	26 U	25 U	26 U
71-55-6	1,1,1-TRICHLOROETHANE	ug/m3	6.5	4.7 U	4.8 U
79-00-5	1.1.2-TRICHLOROETHANE	ug/m3	49 U	47 U	48 U
79-01 6	TRICHLOROFTHVI ENE (TCE)	ug/m <sup>2</sup>	1.9 0	1.7 0	1.0 0
79-01-0	1 1 A TRICHLORO 1 A A TRUE LICE	ug/1115	4.0 U	4.0 U	4./U
/6-13-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/m3	6.8 U	6.6 U	6.7 U
75-69-4	TRICHLOROFLUOROMETHANE	ug/m3	5 U	4.8 U	4.9 U
95-63-6	1,2,4-TRIMETHYLBENZENE	ug/m3	4.4 U	4.2 U	4.3 U
108-67-8	1 3 5-TRIMETHVI BENZENE (MESITVI ENE)	11g/m3	4411	4 2 II	13 II
540.04.1	2.2.4 TDIMETHYLDENTANE	ug/IIIS	4.4 0	4.2 U	4.5 U
340-84-1	2,2,4-1 KIVIE I H Y LPEN I ANE	ug/m3	12	4 U	4.1 U
75-01-4	VINYL CHLORIDE	ug/m3	2.3 U	2.2 U	2.2 U
179601-23-1	M,P-XYLENE	ug/m3	19	11	20
95-47-6	O-XYLENE (1.2-DIMETHYLBENZENE)	ug/m3	5.2	37 U	7

# DATA USABILITY SUMMARY REPORT

# LUDLOW FORMER MGP SITE

# SUPPLEMENTAL REMEDIAL INVESTIGATION

Prepared For:



# CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.

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MAY 2013

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# LIST OT ATTACHMENTS

# ATTACHMENT A VALIDATED LABORATORY DATA

# **SECTION 1**

# DATA USABILITY SUMMARY

Groundwater samples were collected from the Consolidated Edison Ludlow Street Site from April 4, 2013 through April 8, 2013. 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 Proce dures (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 Yo rk 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 14 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 preser ved, shipped under a chain-of-custody (COC) record, and received at Chem tech within one to four days of sam pling. All sam ples were received intact and in good condition at Chemtech.

# **1.3 LABORATORY ANALYTICAL METHODS**

The groundwater sam ples that were collected from the site were analyzed for volatile organic compounds (VOCs), sem ivolatile organic compounds (SVOCs), metals, and cyanide. Summaries of issues concerning these laborator y analyses are presented in Subsections 1.3.1 through 1.3.3. The data qualifications resulting from the data validation review and statem ents on the laboratory analytical precision, accurac y, representativeness, com pleteness, and comparability (PARCC) 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,
- "N" presumptive evidence at the value given, and
- "R" unusable value.

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

#### 1.3.1 Volatile Organic Analysis

Groundwater samples were analyzed for VOCs using the USEPA SW-846 8260C analytical method. Certain reported results for the VOC samples were qualified as estim ated based upon matrix spike/matrix spike duplicate (MS/MSD) recoveries and instrum ent calibrations. The reported VOC analytical results were 100% com plete (i.e., usable) for the groundwater data. PARCC requirements were met.

#### 1.3.2 Semivolatile Organic Analysis

Groundwater samples were analyzed for r SVOCs using the USEPA SW -846 8270D analytical method. Certain reported results for the SVOC samples were qualified as estim ated based upon MS/MSD recoveries, instrum ent calibrations, internal standard responses, and field duplicate precision. Certain reported results for the SVOC samples were considered unusable and qualified "R" based upon poor MS/MSD recoveri es. The reported SVOC analytical results were 99.7% complete (i.e., usable) for the gr oundwater data. PARCC requirem ents were met overall.

#### **1.3.3 Inorganics Analysis**

Groundwater samples were analyzed for m etals and cyanide using the USEPA SW -846 6010B/7470A/7471A/9012B analytical m ethods. Cert ain reported results for the inorganics samples were qualified as estim ated based upon m atrix spike recoveries, serial dilutions, and field duplicate precision. Certain reported results for the inorganic sam ples were considered unusable and qualified "R" based upon poor m atrix spike recoveries. The reported inorganic analytical results were considered 97.2% com plete (i.e., usable) for the groundwater data. PARCC requirements were met overall.

# **SECTION 2**

# DATA VALIDATION REPORT

# 2.1 GROUNDWATER

Data review has been com pleted for data packages generated by Chem tech containing groundwater samples collected from the site. All of these sam ples 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): E1768. Data validation was performed for all sam ples in accordance with the most current editions of the USEPA Region II SOPs for organic and inorgani c data review. This data validation and usability report is presented by analysis type and the validated laboratory data are presented in Attachment A.

## 2.1.1 Volatiles

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

- Custody documentation
- Holding times
- Surrogate recoveries
- Matrix spike/matrix spike duplicate (MS/MSD) precision and accuracy
- Laboratory control sample (LCS) recoveries
- Laboratory method blank and 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 com pliant and acceptable in accordance with the validation protocols with the exception of MS/MSD pr ecision and accuracy, LCS recoveries, blank contamination, and initial and continuing calibrations as discussed below.

# MS/MSD Precision and Accuracy

All MS/MSD precision (relative percent dif ference; RPD) and accuracy (percent recovery; %R) measurements were considered acceptable and within QC lim its for designated project spiked samples with the exception of the high MS/MSD accuracy results for chlorom ethane,

methyl tert-butyl ether, 1,1-dichloroethane, 2-butanone, bromochloromethane, chloroform, 1,1,1trichloroethane, 4-methyl-2-pentanone, 2-hexanone, 1,2-dibromoethane, bromoform, 1,1,2,2tetrachloroethane, 1,2-dibromo-3-chloropropane, and 1,4-dioxane; and the low MS/MSD accuracy results for bromomethane and methylcyclohexane during the spiked analyses of sample MW-5. The positive 2-butanone and 4-m ethyl-2-pentanone results for the parent sam ple were considered estimated, possibly biased hi gh, and qualified "J" based upon high MS/MSD accuracy results. The nondetected brom omethane and methylcyclohexane results for the parent sample were considered estim ated, possibly biased low, and qualified "UJ" based upon low MS/MSD accuracy results. The remaining noncompliant compounds did not required validation qualification for the parent sample.

#### LCS Recoveries

All LCS recoveries were considered accepta ble and within QC lim its for all com pounds with the exception of the high LCS recovery for 1,2,3-trichlorobenzene (136%R; 58-130%R) associated with sam ple MW-5DL. Validati on qualification was not required since this compound was not detected in this sample.

#### **Blank Contamination**

The field equipm ent blank FB040813 associat ed with groundwater sam ples contained carbon disulfide at a concentration of  $5.4 \,\mu$ g/L. Since this com pound was not detected in the project samples, validation qualification was not required.

#### Initial and Continuing Calibrations

All initial calibration com pounds were compliant with a m inimum relative response factor (RRF) of 0.05 and a m aximum percent relative st andard deviation (%RSD) of 20% with the exception of acetone (20.3%RSD) and chloroet hane (20.3%RSD) in the initial calibration associated with samples MW-5 and -5DL; bromomethane (22.1%RSD), acetone (23.7%RSD), and cyclohexane (42.6%RSD) in the initial calibration associated with all samples except MW-5, -5DL, and -3ADL; and dichlorodifluorom ethane (25.4%RSD), chlorom ethane (24.8%RSD), chloroethane (23.3%RSD), 1,1,2-trichlorotrifluor oethane (20.2%RSD), cis-1,3-dichloropropene (21.6%RSD), 2-hexanone (27.9%RSD), dibrom ochloromethane (27.3%RSD), brom oform (32.5%RSD), and 1,2-dibromo-3-chloropropane (23.6%RSD) in the initial calibration associated with sample MW-3ADL. The results for these com pounds were considered estim ated with positive results qualified "J" and nondetected results qualified "UJ" for the affected samples.

All continuing calibration com pounds were compliant with a minimum RRF of 0.05 and a maximum percent difference (%D) within + \_20% with the exception of m ethyl acetate (-21.25%D) and acetone (-24.14%D) in the continuing calibration associated with sam ple MW-5DL; cyclohexane (-20.59%D) in the continuing ca libration associated with all sam ples except MW-5, -5DL, and -3ADL; and carbon tetrach loride (24.61%D), brom odichloromethane (28.04%D), 4-methyl-2-pentanone (29.2%D), tr ans-1,3-dichloropropene (35.28%D), cis-1,3-dichloropropene (26.97%D), 2-hexanone ( 35.74%D), dibromochloromethane (35.84%D), styrene (22.09%D), brom oform (34.04%D), and 1,4-dioxane (25%D) in the continuing calibration associated with MW-3ADL. Therefore, the sample results for these compounds were

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considered estimated with positive results qualified "J" and nondetected results qualified "UJ" for the affected samples.

# <u>Usability</u>

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

Summary

The quality assurance objectives f or measurement data included considerations f or precision, accuracy, representativeness, com pleteness, and com parability. The volatile groundwater data presented by Chem tech were 100% complete (i.e., usable). The validated volatile laboratory data are tabulated and presented in Attachment A.

# 2.1.2 Semivolatiles

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

- Custody documentation
- Holding times
- Surrogate recoveries
- MS/MSD precision and accuracy
- LCS recoveries
- Laboratory method blank and 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 com pliant and acceptable in accordance with the validation protocols with the exception of MS/MSD precision and accuracy, LCS recoveries, initial and continuing calibrations, internal standard res ponses, and field duplicate precision as discussed below.

# MS/MSD Precision and Accuracy

All MS/MSD precision (relative percent differen ce; RPD) and accuracy (percent recovery; %R) measurements were considered acceptable and within QC lim its for designated spiked project samples with the exception of the low MS/MSD accuracy results for naphthalene and 4-nitroaniline; the less than 10% MS/MSD accuracy results for 3-nitroaniline and 3,3-dichlorobenzidine; and the high MS/MSD accuracy result for indeno(1,2,3-cd)pyrene during the

spiked analyses of sample MW-5. Therefore, results for those compounds that fell below the QC limit were considered estim ated, possibly biased low, with positive results qualified "J" and nondetected results qualified "UJ" for the parent sample. However, the nondetected 3-nitroaniline and 3,3-dichlorobenzidine results we re considered unusable and qualified "R" for the parent sample. Validation qualification of indeno(1,2,3-cd)pyrene was not required since this compound was not detected in the parent sample.

### LCS Recoveries

All LCS recoveries were considered acceptable and within QC limits with the exception of the high LCS recovery for indeno(1,2,3-cd)pyr ene (139%R; QC lim it 45-125%R) associated with all groundwater sam ples. Validation qualification of the groundwater sam ples was not required since this compound was not detected.

### Initial and Continuing Calibrations

All initial calibration compounds were compliant with a minimum relative response factor (RRF) of 0.05 and a m aximum percent relative st andard deviation (%RSD) of 20% with the exception of hexachlorocyclopentadiene (24.2%RSD), 2,4-dinitrophenol (47.3%RSD), 4nitrophenol (20.3%RSD), pentachlorophenol (20.7%RSD), and 4,6-dinitro-2-m ethylphenol (32.1%RSD) in the initial calibration associ ated with sam ples MW-1, -5, and -9; 2,4dinitrophenol (41.9%RSD), 4,6-dinitro-2-m ethylphenol (24.2%RSD), and pentachlorophenol (23.7%RSD) in the initial calibration associated with samples FB040813, MW-2, -3, -3A, -5DL, -7, and -4; hexachlorocyclopentadiene (36.7%RSD), 2,4-dinitrophenol (47.6%RSD), 4nitrophenol (32,9%RSD), and 4,6-dinitro-2-m ethylphenol (28%RSD) in the initial calibration associated with sam ples MW-7DL, -7DL2, -3ADL, and -3ADL2; and benzaldehyde (22.5%RSD), hexachlorocyclopentadiene (24.9%RSD), 2,4-dinitrophenol (41.1%RSD), and 4nitrophenol (21.0%RSD). The results for these compounds were considered estim ated with positive results qualified "J" and nondetected results 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 + 20% with the exception of indeno(1,2,3-cd)pyrene (78.9%D), dibenzo(a,h)anthracene (36.9%D), and benzo(g,h,i) pervlene (35.7%D) in the continuing calibration associated with sam ples MW-1, -5, and -9; 2,4-dinitrophenol (20.6%D) and acetophenone (22.8%D) in the continuing calibra tion associated with samples MW-2, -3, -3A, -5DL, and -7; 2,4-dinitrophenol (-25.4%D) in the continuing calibration associated with sample MW-4: and 4-nitrophenol (-30.2%) D). di-n-octylphthalate (-23.5%D), dibenzo(a,h)anthracene (43.1%D), and benzo( g,h,i)pervlene (49.2%D) in the continuing calibration of MW-3DL and -3ADL3. Therefore, the sam ple results for these com pounds were considered estimated with positive results qualified "J" and nondetected results qualified "UJ" for the affected samples.

### Internal Standard Responses

All internal standard (IS) responses and rete ntion times were within specified QC ranges based on associated calibration standards (i.e., sa mple's area count within -50% to +100% and retention times within  $\pm 0.5$  minutes of the standard) with the exception of the low responses for the IS chrysene-d12 in samples MW-7DL2, -3ADL2, -7DL, -3ADL, -3DL, and -3ADL3; and the

low responses for the IS perylene-d12 in sam ples MW-3DL and -3ADL3. Validation qualification of these samples was not required since final data results were not affected.

### Field Duplicate Precision

All field duplicate precision results were cons idered acceptable with the exception of the precision for acenaphthylene (53%RPD) associated with sample MW-3 and its field duplicate MW-3A. Therefore, the acenaphthylene results for these samples were considered estimated and qualified "J".

### **Usability**

All semivolatile groundwater sam ple results were considered usable following data validation with the exception of certain nondetected results based upon poor MS/MSD recoveries.

## Summary

The quality assurance objectives f or measurement data included considerations f or precision, accuracy, representativeness, com pleteness, and com parability. The sem ivolatile groundwater data presented by Chem tech were 99.7% complete (i.e., usable). The validated semivolatile laboratory data are tabulated and presented in Attachment A.

### 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 com pliant and acceptable in accordance with the validation protocols with the exception of blank contam ination, matrix spike recoveries, field duplicate precision, and serial dilutions as discussed below.

### **Blank Contamination**

The field equipment blank FB040813 associated with the groundwater sam ples contained dissolved sodium and dissolved zinc at concentrations of 3160 and 26.9  $\mu$ g/L, respectively. Therefore, all results for these analytes less than the validation action concentrations were considered not detected and qualified "U" for the affected samples.

## Matrix Spike Recoveries

All matrix spike recoveries for all analytes were considered acceptable and within the 75-125%R QC limit with the exception of the m atrix spike recoveries for alum inum (165.8%R, 146.7%R), cadmium (18.9%R, 17.7%R), chrom ium (50.1%R, 47.5%R), cobalt (72.3%R, 68.6%R), silver (49%R, 42.5%R), thallium (61.5%R, 57.8%R), copper (52.6%R, 49.6%R), iron (133%R), lead (51.9%R, 45.2%R), m ercury (71.1%R, 72%R), nickel (63.9%R, 61%R), vanadium (62%R, 58.4%R), and zinc (55.6%R, 47.6%R) associated with all samples. Therefore, positive results for those analytes where m atrix spike recoveries exceeded the QC lim it were considered estimated, possibly biased high, and qua lified "J" for the affected sam ples. Results for those analytes where m atrix spike recoveries fell below the QC lim it were considered estimated, possibly biased low, with positive results qualified "J" and nondetected results qualified "UJ" for the affected sam ples. However, nondetected cadm ium results were considered unusable and qualified "R" for the affected samples based upon less 30% m atrix spike recoveries.

# Field Duplicate Precision

All field duplicate precision results were considered acceptable for the field duplicate pair MW-3 and MW-3A with the exception of the precision for cyanide (129%RPD). Therefore, the cyanide results were considered estimated and qualified "J" for the affected parent sample and its field duplicate.

### **ICP Serial Dilutions**

All serial dilution results for designated proj ect samples were considered acceptable with a percent difference (%D) less than 10% for all IC P analytes with the exception of calcium (13.7%D), lead (11.7%D), magnesium (18.7%D), manganese (12.9%D), and sodium (16.3%D) associated with all sam ples. Theref ore, positive results f or these analytes were considered estimated and qualified "J" for the affected samples.

# **Usability**

All inorganics groundwater sample results were considered usable following data validation with the exception of certain nondetected results based upon poor matrix spike recoveries.

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#### <u>Summary</u>

The quality assurance objectives f or measurement data included considerations f or precision, accuracy, representativeness, com pleteness, and com parability. The inorganics groundwater data presented by Chem tech were 97.2% complete (i.e., usable). The validated groundwater inorganics laboratory data are tabulated and presented in Attachment A.

# ATTACHMENT A

# VALIDATED LABORATORY DATA

						Dup of MW-3
Consolidated I	Edison	Location ID:	MW-1	MW-2	MW-3	MW-3A
Ludlow Street	Site	Sample ID:	MW-1-20130405	MW-2-20130408	MW-3-20130408	MW-3A-20130408
Validated Gro	undwater Analytical Data	Lab Sample Id:	E1768-13	E1768-07	E1768-08	E1768-09
SDG: E1768		Source:	CTECH	CTECH	CTECH	CTECH
		SDG:	E1768	E1768	E1768	E1768
		Matrix	WATER	WATER	WATER	WATER
		Sampled	4/5/2013 13:00	4/8/2013 8:22	1/8/2013 9:54	4/8/2013 9:54
		Validated:	4/30/2013	4/30/2013	4/30/2013	4/30/2013
CASNO	COMPOUND	Vanualeu.	4/30/2013	4/30/2013	4/30/2013	4/30/2013
CAS NO.	VOLATILES	UNITS.				
71.55.6	VULATILES		0.4.11	0.4.11	0.4.11	0.4.11
/1-55-6	1,1,1-1RICHLORUETHANE	ug/I	0.4 U	0.4 U	0.4 U	0.4 U
79-34-5	1,1,2,2-TETRACHLOROETHANE	ug/l	0.31 U	0.31 U	0.31 U	0.31 U
76-13-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	0.45 U	0.45 U	0.45 U	0.45 U
79-00-5	1,1,2-TRICHLOROETHANE	ug/l	0.38 U	0.38 U	0.38 U	0.38 U
75-34-3	1,1-DICHLOROETHANE	ug/l	0.36 U	0.36 U	0.36 U	0.36 U
75-35-4	1,1-DICHLOROETHENE	ug/l	0.47 U	0.47 U	0.47 U	0.47 U
87-61-6	1,2,3-TRICHLOROBENZENE	ug/l	0.2 U	0.2 U	0.2 U	0.2 U
120-82-1	1,2,4-TRICHLOROBENZENE	ug/l	0.2 U	0.2 U	0.2 U	0.2 U
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	ug/l	0.46 U	0.46 U	0.46 U	0.46 U
106-93-4	1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	ug/l	0.41 U	0.41 U	0.41 U	0.41 U
95-50-1	1.2-DICHLOROBENZENE	ug/l	0.45 U	0.45 U	0.45 U	0.45 U
107-06-2	1 2-DICHLOROETHANE	110/1	0.48 U	0.48 U	0.48 U	0.48 U
78-87-5	1 2-DICHLOROPROPANE	ug/1	0.46 U	0.46 U	0.46 U	0.46 U
541-73-1	1 3-DICHLOROBENZENE	ug/1	0.43 U	0.40 U	0.43 U	0.43 U
106 46 7	1,5-DICHLOROBENZENE	ug/l	0.43 U	0.32 U	0.32 U	0.32 U
501 78 6	1,4-DICITEOROBENZENE	ug/1	1.0 U	0.32 U	0.52 U	0.52 U
591-78-0	2-HEAANONE	ug/1	1.9 0	1.9 0	1.9 0	1.9 U
6/-64-1	ACETONE	ug/l	7.8 J	8.7 J	0.5 UJ	0.5 UJ
/1-43-2	BENZENE	ug/l	0.32 U	0.32 U	360	460
74-97-5	BROMOCHLOROMETHANE	ug/l	0.2 U	0.2 U	0.2 U	0.2 U
75-27-4	BROMODICHLOROMETHANE	ug/l	0.36 U	0.36 U	0.36 U	0.36 U
75-25-2	BROMOFORM	ug/l	0.47 U	0.47 U	0.47 U	0.47 U
74-83-9	BROMOMETHANE	ug/l	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ
75-15-0	CARBON DISULFIDE	ug/l	0.2 U	0.2 U	0.2 U	0.2 U
56-23-5	CARBON TETRACHLORIDE	ug/l	0.2 U	0.2 U	0.2 U	0.2 U
108-90-7	CHLOROBENZENE	ug/l	0.49 U	0.49 U	0.49 U	0.49 U
75-00-3	CHLOROETHANE	ug/l	0.2 U	0.2 U	0.2 U	0.2 U
67-66-3	CHLOROFORM	ug/l	0.34 U	0.34 U	0.34 U	0.34 U
74-87-3	CHLOROMETHANE	ug/l	0.2 U	0.2 U	0.2 U	0.2 U
156-59-2	CIS-1.2-DICHLOROETHYLENE	ug/l	0.35 U	0.49 J	0.35 U	0.35 U
10061-01-5	CIS-1.3-DICHLOROPROPENE	ug/l	0.31 U	0.31 U	0.31 U	0.31 U
110-82-7	CYCLOHEXANE	110/1	0.2 11	0.2 UI	15 I	211
124-48-1	DIBROMOCHLOROMETHANE	ug/1	0.2 U	0.2 U	0.2 U	0.2 U
75-71-8	DICHLORODIELUOROMETHANE	ug/1	0.2 U	0.2 U	0.2 U	0.2 U
100 41 4	ETHVI DENZENE	ug/l	0.2 U	0.2 U	160	180
100-41-4	ETTILDENZENE ICODDODVI DENZENE (CUMENE)	ug/1	0.2 U	0.2 U	2.0 1	100
98-82-8	ISOPROPILBENZENE (CUMENE)	ug/1	0.45 U	0.45 U	3.9 J	4.0 J
XYLMP	M.P-X YLENE (SUM OF ISOMERS)	ug/1	0.95 U	0.95 U	300	370
79-20-9	METHYL ACETATE	ug/l	0.2 U	0.2 U	0.2 U	0.2 U
/8-93-3	METHYL ETHYL KETONE (2-BUTANONE)	ug/l	1.3 U	1.3 U	1.3 U	1.3 U
108-10-1	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	ug/l	2.1 U	2.1 U	2.1 U	2.1 U
108-87-2	METHYLCYCLOHEXANE	ug/l	0.2 U	0.2 U	3.1 J	4.2 J
75-09-2	METHYLENE CHLORIDE	ug/l	0.41 U	0.41 U	0.41 U	0.41 U
95-47-6	O-XYLENE (1,2-DIMETHYLBENZENE)	ug/l	0.43 U	0.43 U	160	180
100-42-5	STYRENE	ug/l	0.36 U	0.36 U	41.5	42.6
1634-04-4	TERT-BUTYL METHYL ETHER	ug/l	0.35 U	0.35 U	1.7 J	1.8 J
127-18-4	TETRACHLOROETHYLENE(PCE)	ug/l	0.27 U	0.27 U	0.27 U	0.27 U
108-88-3	TOLUENE	ug/l	0.37 U	0.37 U	260	310
156-60-5	TRANS-1,2-DICHLOROETHENE	ug/l	0.41 U	0.41 U	0.41 U	0.41 U
10061-02-6	TRANS-1.3-DICHLOROPROPENE	ug/l	0.29 U	0.29 U	0.29 U	0.29 U
79-01-6	TRICHLOROETHYLENE (TCE)	uø/l	0.28 U	0.28 U	0.28 U	0.28 U
75-69-4	TRICHLOROFLUOROMETHANE	ug/1	0.35 U	0.35 U	0.35 U	0.35 U
75-01-4	VINVL CHLORIDE	ug/1	0.34 U	0.37 U	0.37 U	0.37 U
122 01 1	1 4 DIOYANE (P DIOYANE)	ug/1	100 11	100 11	100 11	100 II
123-71-1	I,T-DIOAANE (I-DIOAANE)	ug/1	100 0	100 0	100 0	100 0

					r	Dup of MW-3
Consolidated E	dison	Location ID:	MW-1	MW-2	MW-3	MW-3A
Ludlow Street Site		Sample ID:	MW-1-20130405	MW-2-20130408	MW-3-20130408	MW-3A-20130408
Validated Grou	indwater Analytical Data	Lab Sample Id:	E1768-13	E1768-07	E1768-08	E1768-09
SDG: E1768		Source:	CTECH	CTECH	CTECH	CTECH
		SDG:	E1768	E1768	E1768	E1768
		Matrix:	WATER	WATER	WATER	WATER
		Sampled:	4/5/2013 13:00	4/8/2013 8:22	4/8/2013 9:54	4/8/2013 9:54
		Validated:	4/30/2013	4/30/2013	4/30/2013	4/30/2013
CAS NO.	COMPOUND	UNITS:				
05 04 2	SEMIVOLATILES		0.22 11	0.202.11	0.204 11	0.202.11
93-94-3 58 00 2	1,2,4,5-TETRACHLOROBENZENE	ug/I	0.22 U	0.202 U	0.204 U	0.202 U
05 05 4	2,5,4,0-TETRACHLOROFHENOL	ug/I	0.22 U 0.45 U	0.202 U 0.404 U	0.204 U	0.202 U 0.404 U
93-93-4	2,4,5-1 KICHLOKOFHENOL 2,4,6 TRICHLOROPHENOL	ug/1	0.43 U	0.404 U 0.566 U	0.408 U 0.571 U	0.404 U 0.566 U
120-83-2	2,4,0-TRICHLOROFHENOL	ug/1	0.03 U	0.500 U 0.667 U	0.571 U	0.500 U
105-67-9	2.4-DIMETHVI PHENOL	ug/1	0.74 0	0.717 U	0.724 U	0.717 U
51-28-5	2.4-DINITROPHENOL	110/1	2.4 UI	2.1 UI	2.1 UI	2.1 UI
121-14-2	2 4-DINITROTOLUENE	ug/1	1.2 U	1 U	11 U	1 U
606-20-2	2.6-DINITROTOLUENE	110/1	0.36 U	0 323 U	0 327 U	0 323 U
91-58-7	2-CHLORONAPHTHALENE	ug/l	0.18 U	0.162 U	0.163 U	0.162 U
95-57-8	2-CHLOROPHENOL	ug/l	0.61 U	0.545 U	0.551 U	0.545 U
91-57-6	2-METHYLNAPHTHALENE	ug/l	0.36 U	0.323 U	630	630
95-48-7	2-METHYLPHENOL (O-CRESOL)	ug/l	0.27 U	0.242 U	0.245 U	0.242 U
88-74-4	2-NITROANILINE	ug/l	0.55 U	0.495 U	0.5 U	0.495 U
88-75-5	2-NITROPHENOL	ug/l	0.58 U	0.525 U	0.531 U	0.525 U
91-94-1	3,3'-DICHLOROBENZIDINE	ug/l	2.2 U	2 U	2 U	2 U
MEPH3MEPH	3+4-Methylphenols	ug/l	0.43 U	0.384 U	0.388 U	0.384 U
99-09-2	3-NITROANILINE	ug/l	1.2 U	1.1 U	1.1 U	1.1 U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	ug/l	0.83 UJ	0.747 UJ	0.755 UJ	0.747 UJ
101-55-3	4-BROMOPHENYL PHENYL ETHER	ug/l	0.26 U	0.232 U	0.235 U	0.232 U
59-50-7	4-CHLORO-3-METHYLPHENOL	ug/l	0.45 U	0.404 U	0.408 U	0.404 U
106-47-8	4-CHLOROANILINE	ug/l	3.2 U	2.9 U	2.9 U	2.9 U
7005-72-3	4-CHLOROPHENYL PHENYL ETHER	ug/l	0.24 U	0.212 U	0.214 U	0.212 U
100-01-6	4-NITROANILINE	ug/l	1.5 U	1.4 U	1.4 U	1.4 U
100-02-7	4-NITROPHENOL	ug/l	2.2 U	2 U	2 U	2 U
83-32-9	ACENAPHTHENE	ug/l	0.24 U	0.212 U	22.5	32.2
208-96-8	ACENAPHTHYLENE	ug/l	0.79 U	0.707 U	75.6 J	130 J
98-86-2	ACETOPHENONE	ug/l	0.16 U	0.141 UJ	4.8 J	8 J
120-12-7	ANTHRACENE	ug/l	0.18 U	0.162 U	21.9	27.4
1912-24-9	ATRAZINE	ug/l	0.45 U	0.404 U	0.408 U	0.404 U
100-52-7	BENZALDEH Y DE	ug/l	0.87 U	0.778 U	0.786 U	0.778 U
50-55-5	BENZO(A)ANTHRACENE	ug/I	0.18 U	0.162 U	12.1	12.2
205 00 2	DENZO(A)FIKENE	ug/1	0.10 U	0.141 U	8.5 J	8.5 J
203-99-2	DENZO(D)FLUORANTHENE	ug/1	0.35 U	0.293 U	0.4 J	0.0 J
207.08.0	BENZO(G, H, I)FENILENE	ug/1	0.55 UJ	0.293 U 0.182 U	0.290 U 0.184 U	0.293 U 0.182 U
85-68-7	BENZYI BUTYI PHTHALATE	ug/1	0.2 U 0.21 U	0.102 U 0.192 U	0.104 U	0.102 U 0.192 U
92-52-4	BIPHENYL (DIPHENYL)	110/1	0.17 U	0.152 U	25.2	36.2
111-91-1	BIS(2-CHLOROETHOXY) METHANE	ug/1	0.62 U	0.556 U	0.561 U	0.556 U
111-44-4	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	ug/l	0.62 U	0.556 U	0.561 U	0.556 U
108-60-1	BIS(2-CHLOROISOPROPYL) ETHER	ug/l	0.19 U	0.172 U	0.173 U	0.172 U
117-81-7	BIS(2-ETHYLHEXYL) PHTHALATE	ug/l	0.18 U	0.162 U	0.163 U	0.162 U
105-60-2	CAPROLACTAM	ug/l	2.2 U	2 U	2 U	2 U
86-74-8	CARBAZOLE	ug/l	0.25 U	0.222 U	5.3 J	8.4 J
218-01-9	CHRYSENE	ug/l	0.2 U	0.182 U	12.3	12.2
53-70-3	DIBENZ(A,H)ANTHRACENE	ug/l	0.47 UJ	0.424 U	0.429 U	0.424 U
132-64-9	DIBENZOFURAN	ug/l	0.27 U	0.242 U	6.1 J	8.9 J
84-66-2	DIETHYL PHTHALATE	ug/l	0.43 U	0.384 U	0.388 U	0.384 U
131-11-3	DIMETHYL PHTHALATE	ug/l	0.25 U	0.222 U	0.224 U	0.222 U
84-74-2	DI-N-BUTYL PHTHALATE	ug/l	2.2 U	2 U	2 U	2 U
117-84-0	DI-N-OCTYLPHTHALATE	ug/l	0.57 U	0.515 U	0.52 U	0.515 U
206-44-0	FLUORANTHENE	ug/l	0.45 U	0.404 U	17.8	19.9
86-73-7	FLUORENE	ug/l	0.35 U	0.313 U	47.3	65.1
118-74-1	HEXACHLOROBENZENE	ug/l	0.2 U	0.182 U	0.184 U	0.182 U
87-68-3	HEXACHLOROBUTADIENE	ug/l	0.28 U	0.253 U	0.255 U	0.253 U
11-41-4	HEXACHLOROCYCLOPENTADIENE	ug/l	0.27 UJ	0.242 U	0.245 U	0.242 U
0/-/2-1	HEAACHLUKUETHANE	ug/I	0.28 U	0.253 U	0.255 U	0.253 U
193-39-5	INDENO(1,2,3-C,D)PYKENE	ug/1	0.17 UJ	0.152 U	0.153 U	0.152 U
18-39-1	IN A DIFFU AL ENE	ug/1	0.34 U	0.303 U	0.306 U	0.303 U
91-20-3	NITDORENZENE	ug/I	0.13 U	0.121 U	2500	0 497 II
621-64-7	N-NITROSODI-N-PROPYLAMINE	ug/1 11g/1	0.70 0	0.087 0	0.094 0	0.087 U
86-30-6	N-NITROSODIPHENYLAMINE	ug/1 110/l	0.22 0	0.202 0	0.612 U	0.202 0
87-86-5	PENTACHLOROPHENOL	10/l	1911	17 11	1 8 III	17 11
85-01-8	PHENANTHRENE	ug/l	0.29 U	0.263 U	72.9	110
108-95-2	PHENOL	ug/l	0.24 U	0.212 U	0.214 U	0.212 U
129-00-0	PYRENE	ug/l	0.22 U	0.202 U	28.4	31.6
		<u> </u>				

Canaditable Hittern         Lacation Dr.         MW-1         MW-2         MW-3         MW-3.0         MW-3.0           Valiable Groundwater Analytical Data         Lab Sample Dr.         MW-2.01/04048         E178-413         E178-413         E178-404         4/302013         4/30201         4/30201         4/30201						Dup of MW-3	
Ladies Groundware Analytical Data         Sample ID: Validated Groundware Analytical Data         NWN -2.0312488         NWN -3.0312488         NWN -3.031248         NWN -3.03124         NWN -3.031248         NWN -3.031	Consolidated I	Edison	Location ID:	MW-1	MW-2	MW-3	MW-3A
Validated foroundwater Aualytical Data         Lab Sample k2 Sorce:         E178-813 CTECH         E178-813 CTECH         E178-813 CTECH         E178-813 CTECH         E178-818 E178-81           SDG: E1763         E178-81         E178-81         E178-81         E178-81         E178-81           SDG: E1763         E178-81         E178-81         E178-81         E178-81         E178-81           SOG: CASNO         COMPOLIND         UNTR:         432013 52-2         482013 52-4         482013 52-2           T23-80-45         ALIMINIM         gg1         8 gg1         7.8 J         4302013         432013 52-2           740-17-2         EGNEVLIKIM         gg1         7.8 J         9.8 J         8.8 J         4.8 U           740-17-2         EGNEVLIKIM         gg1         7.8 J         1.9 U         1.1 U </td <td>Ludlow Street</td> <td>Site</td> <td>Sample ID:</td> <td>MW-1-20130405</td> <td>MW-2-20130408</td> <td>MW-3-20130408</td> <td>MW-3A-20130408</td>	Ludlow Street	Site	Sample ID:	MW-1-20130405	MW-2-20130408	MW-3-20130408	MW-3A-20130408
SDG:         ETCEH         CTECH         CTECH         CTECH         CTECH         CTECH         ET768           Minit:         WATRR         WAT	Validated Gro	undwater Analytical Data	Lab Sample Id:	E1768-13	E1768-07	E1768-08	E1768-09
SDG: Matrix: Sampled         EI768 WATER         EI768 WATER         EI768 WATER         EI768 WATER         EI768 WATER           CAS NO.         COMPOLND         UNTEX         4302013 3:00         4302013 9:54         4302013	SDG: E1768		Source:	CTECH	CTECH	CTECH	CTECH
Matrix Valuate:         WATR Valuate:         WATR 452013         WATR 4520013         WATR 4520013 <t< td=""><td></td><td></td><td>SDG:</td><td>E1768</td><td>E1768</td><td>E1768</td><td>E1768</td></t<>			SDG:	E1768	E1768	E1768	E1768
			Matrix:	WATER	WATER	WATER	WATER
U-table         Valuate:         4/30/2013         4/30/2013         4/30/2013         4/30/2013           CASNO.         COMPOUND         UNTS. $4/30/2013$ 4/30/2013         4/30/2013         4/30/2013           CASNO.         COMPOUND         ug/l         2300 5         ALUMNIVM         8 U         8 U         8 U         8 U         8 U         8 U         8 U         8 U         8 U         8 U         8 U         8 U         8 U         4/30/2013         4/30/			Sampled:	4/5/2013 13:00	4/8/2013 8:22	4/8/2013 9:54	4/8/2013 9:54
CAS NO.         COMPOUND         UNITS:         Interval         Interval         Interval           T0240-50         ALLMINUM         ug1         2180 J         368 J         96.1 J         81.4 J           740-360         ANTMONY         ug1         7.8 J         4.2 U         4.2 U<			Validated:	4/30/2013	4/30/2013	4/30/2013	4/30/2013
TOTAL METALS         ugl         2180 J         368 J         96.1 J         81.4 J           740-360         ANTMONY         ugl         8 U         8 U         8 U         8 U           740-360         ANSENC         ugl         78 J         4.2 U         4.2 J         0.7 U	CAS NO.	COMPOUND	UNITS:				
12:29:05         ALMINUM         ugi         23:0 J         36:8 J         96:1 J         81:4 J           740:360         ARTIMONY         ugi         78.1         9.48 J         8.U         9.42 J           740:362         ARSINC         ugi         78.1         4.2 U         4.2 U         4.2 J           740:373         BARIUM         ugi         0.7 U         0.7 U         0.7 U         0.7 U           740:473         CROMUM, TOTAL         ugi         376.1         1.1 UJ         1.2 UJ         2.2 UJ         2.2 UJ         2.2 UJ         2.2 UJ         2.2 UJ         2.2 UJ		TOTAL METALS					
2+40.500         ArTIMONY         up1         3 U         9.48 J         8 U           2+40.382         ARSENC         up1         7.8 J         4.2 U	7429-90-5	ALUMINUM	119/1	2380 I	368 I	96 1 I	81 4 I
2404 38.2         ÄSESINC         up1         7.8.1         4.2.U         4.2.U         4.2.J         4.2.U         4.2.S.J           7440-37.3         BARIUM         up1         0.7.U	7440-36-0	ANTIMONY	ug/l	2500 F 8 U	9.48 I	8 11	8 11
2+44.9-35         BARIUM         up1         129         1990         134         128           7440-14-7         BERVLLIUM         up1         R         1.22 J         0.52 J         R           7440-39         CADMIUM         up1         R         1.22 J         0.52 J         R           7440-752         CALCUM         up1         57.6 J         1.1 UJ         7.59 J         6.54 J         7.40 J         7.6 J         7.40 J         7.6 J         7.40 J         7.6 J         7.40 J         7.6 J         7.40 J </td <td>7440-38-2</td> <td>ARSENIC</td> <td>ug/l</td> <td>781</td> <td>42 11</td> <td>4 2 U</td> <td>4 25 I</td>	7440-38-2	ARSENIC	ug/l	781	42 11	4 2 U	4 25 I
2440-4.7         DERYLLIMM         up1 (1)         0.7	7440-39-3	BARIUM	ug/l	129	1990	134	128
2440.459         CADMUM         240         CADMUM         221         0.52 J         0.52 J           2440.702         CALCIUM         0g1         5000 J         26300 J         28000 J         100 J	7440-41-7	BERYLLUM	ug/l	0.7 U	07 U	07 U	0.7 U
7440 7.02         CALCIUM $ug1$ 50000 J         262000 J         80000 J         77000 J           7440-73         CREWOMUM, TOTAL $ug1$ 5.8         11<	7440-43-9	CADMILIM	ug/1	0.7 C R	1 22 I	0.52 I	0.7 C
T440-43         CHROMIUM, TOTAL.         """         """"         """"         """"         """         """"         """"         """"         """"         """"         """"         """"         """"         """"         """"         """"         """""         """"         """"	7440-70-2	CALCIUM	ug/l	59000 I	262000 I	81900 J	77000 I
The second se	7440-47-3	CHROMIUM TOTAL	ug/1 110/1	37 6 I	11 111	1 1 111	11 111
The control $ug1$ $2.3 \text{ U}$ $0.3 \text{ U}$ $1.3 \text{ U}$ $1.3 \text{ U}$ 7239-826         IRON $ug1$ $870$ $6860$ $1600$ $1590$ 7239-921         IEAD $ug1$ $6351$ $10.1$ $40.3$ $37.6$ 7239-954         MAGNESUM $ug1$ $13400$ $33200$ $22600$ $22000$ $22000$ $22000$ $20092$ $0.092$	7440-48-4	COBALT	ug/1 110/1	58 111	6 01 T	5.8 11	5.8 111
The constraint $u_{g1}$ $LPAJ$ $LPAJJ$ $LPAJJ$ $LPAJJ$ $LPAJJ$ $LPAJJ$ $LPAJJ$ $LPAJJ$ $LPAJJ$ $LPAJJ$ $LPAJJJ$ $LPAJJJJJJJJJJJJJJJJJJJJJJJJJJJJJJJJJJJJ$	7440-50-8	COPPER	ug/1 110/1	7 50 I	0.91 J 27 / I	7 50 I	5.0 UJ
123.921         LEAD $ug1$ $6.361$ $10.001$ $10.001$ $10.001$ $10.001$ $10.001$ $10.001$ $10.001$ $10.001$ $10.001$ $10.001$ $10.001$ $10.001$ $10.001$ $10.001$ $10.001$ $10.001$ $10.001$ $10.0001$ <t< td=""><td>7439_80_6</td><td>IRON</td><td>ug/1 110/l</td><td>8770</td><td>6860</td><td>1600</td><td>1500</td></t<>	7439_80_6	IRON	ug/1 110/l	8770	6860	1600	1500
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	7439_92_1	LEAD	ug/1 110/1	636 I	10.1 I	40.3 I	37.6 I
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	7439-95-4	MAGNESIUM	ug/1 11g/l	13400 I	33200 1	22600 I	21000 I
239-97-6     MERCURY     ug1     0.092	7439-96-5	MANGANESE	ug/l	2200 J	2160 J	1500 J	21000 J 1400 J
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	7439-97-6	MERCURY	ug/l	0.092 U	0.092 U	0.092 11	0.092 U
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	7440-02-0	NICKEI	ug/l	20.9 I	4.2 11	5.62 L	5.4 I
PHOOP1         D1300         PHOOP1         D13000         J         ASUU         PHOOP1         D13000         J         SUU         LAS U         LAS U <thlas th="" u<=""> <thlas th="" u<=""> <thlas td="" u<=""><td>7440-02-0</td><td>DOTASSIUM</td><td>ug/I</td><td>6300</td><td>113000</td><td>15500</td><td>1/300</td></thlas></thlas></thlas>	7440-02-0	DOTASSIUM	ug/I	6300	113000	15500	1/300
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	7782 40 2	SELENILIM	ug/1	48.11	115000	15500	14500 4 8 H
PHOLEAR         SUDICM         ug/l         1.0.00         Status         1.0.00 </td <td>7/02-49-2</td> <td>SELENIOM SILVED</td> <td>ug/I</td> <td>4.8 U</td> <td>4.6 U</td> <td>4.8 U</td> <td>4.8 U</td>	7/02-49-2	SELENIOM SILVED	ug/I	4.8 U	4.6 U	4.8 U	4.8 U
THAD_2SD         DIADAM         ug/l         DIADAG J         HALLUM         HALLUM         JA0000 J         HALLUM         JA0000 J         JA0000 J         JA1000 J         JA1000 J         JA1000 J         JA1000 J         JA100 J	7440-22-4	SODIUM	ug/l	272000 I	39700000 I	4620000 I	5420000 I
THUELDM         ugl         2.4 GJ         2.4 GJ <td>7440-23-5</td> <td></td> <td>ug/1</td> <td>272000 J</td> <td>2.4 UI</td> <td>4020000 J</td> <td>2.4 UI</td>	7440-23-5		ug/1	272000 J	2.4 UI	4020000 J	2.4 UI
Prime 22         Discourse         Discourse <thdiscourse< th="">         Discourse         <thdiscourse< th=""> <thdiscourse< th=""> <thdis< td=""><td>7440-62-2</td><td>VANADIUM</td><td>ug/1</td><td>2.4 UJ 61 UI</td><td>2.4 UJ 61 UI</td><td>6.1 UI</td><td>2.4 UJ 6.1 UI</td></thdis<></thdiscourse<></thdiscourse<></thdiscourse<>	7440-62-2	VANADIUM	ug/1	2.4 UJ 61 UI	2.4 UJ 61 UI	6.1 UI	2.4 UJ 6.1 UI
Dissolved Metrals         ug/l         100 ° 200	7440-66-6	ZINC	ug/1	18.4 I	35.4 I	20.8 I	21.1.1
7429-90-5       ALUMINUM       ug1       6.5 UJ         7440-36-0       ANTIMONY       ug1       8 U         7440-38-2       ARSENC       ug1       4.2 U         7440-39-3       BARIUM       ug1       64.9         7440-41-7       BERYLLUM       ug1       0.7 U         7440-43-7       BERYLLUM       ug1       0.7 U         7440-41-7       BERYLLUM       ug1       0.7 U         7440-43-2       CADMIUM       ug1       0.7 U         7440-43-2       CADMIUM       ug1       54500 J         7440-44-2       CHROMUM, TOTAL       ug1       1.1 UJ         7440-45-8       COPPER       ug1       2.0 U         7439-95-6       IRCON       ug1       2.0 U         7439-95-4       MACRESIUM       ug1       0.092 U         7439-95-4       MACNESIUM       ug1       0.092 U         7440-02-0       NICKEL       ug1       4.2 UJ         7440-22-0       NICKEL       ug1       4.2 UJ         7440-23-5       SDDIUM       ug1       4.2 UJ         7440-24-5       SILVER       ug1       2.1 U         7440-25-5       SODIUM       ug1       2.4 UJ </td <td>7110 00 0</td> <td>DISSOLVED METALS</td> <td>ug/1</td> <td>10.1.0</td> <td>55.10</td> <td>20:0 0</td> <td>21.1 0</td>	7110 00 0	DISSOLVED METALS	ug/1	10.1.0	55.10	20:0 0	21.1 0
7440-36-0       ANTIMONY       ug/l       8.0         7440-36-0       ANTIMONY       ug/l       4.2 U         7440-38-2       ARSENC       ug/l       4.2 U         7440-38-2       BARIUM       ug/l       64.9         7440-41-7       BERYLLIUM       ug/l       0.7 U         7440-42-3       CADMIUM       ug/l       R         7440-7-3       CHROMIUM, TOTAL       ug/l       1.1 UJ         7440-47-3       CHROMIUM, TOTAL       ug/l       5.8 UJ         7440-64-5       COPER       ug/l       2.0 UJ         7440-50-5       MARKESUM       ug/l       2.6 UJ         7439-95-4       MAGANESE       ug/l       2.6 UJ         7439-95-5       MANGANESE       ug/l       0.092 U         7440-00-7       POTASSIUM       ug/l       6360         7440-23-5       SDIUM       ug/l       4.8 U         7440-24-5       SUPR       ug/l       2.1 UJ         7440-25-5       SDIUM       ug/l       2.1 UJ         7440-25-5       SDIUM       ug/l       6.1 UJ         7440-24-5       SUPR       ug/l       6.1 UJ         7440-25-5       SDIUM       ug/l	7429-90-5	ALUMINUM	119/1	65 UI			
7440-38-2       ARSENIC       ug/l       4.2 U         7440-38-3       BARUM       ug/l       64.9         7440-41-7       BERYLLIUM       ug/l       0.7 U         7440-43-9       CADMIUM       ug/l       0.7 U         7440-43-9       CADMIUM       ug/l       0.7 U         7440-43-9       CADMIUM       ug/l       R         7440-7-2       CALCIUM       ug/l       54500 J         7440-47-3       CHROMIUM, TOTAL       ug/l       1.1 UJ         7440-48-4       COBALT       ug/l       2.8 UJ         7440-48-4       COBALT       ug/l       2.0 UJ         7440-48-4       COBALT       ug/l       2.0 UJ         7439-95-4       RAGNESIUM       ug/l       2.0 UJ         7439-95-4       MAGNESIUM       ug/l       10700 J         7439-95-5       MARGANESE       ug/l       680 J         7440-20       NICKEL       ug/l       4.2 UJ         7440-24       NICKEL       ug/l       4.8 U         7440-25       SDDUM       ug/l       1.5 UJ         7440-25       SDDUM       ug/l       2.4 UJ         7440-25       VANADIUM       ug/l       2	7440-36-0	ANTIMONY	ug/1	8 U			
7440-39-3       BARIUM       ug/l       64.9         7440-41-7       BERYLLIUM       ug/l       0.7 U         7440-41-7       BERYLLIUM       ug/l       0.7 U         7440-43-9       CADMIUM       ug/l       R         7440-70-2       CALCIUM       ug/l       54500 J         7440-73-3       CHROMIUM, TOTAL       ug/l       1.1 UJ         7440-48-4       COBALT       ug/l       2.0 UJ         7440-50-8       COPPER       ug/l       2.0 UJ         7439-95-6       IRON       ug/l       10700 J         7439-95-5       MANGANESE       ug/l       680 J         7440-02-0       NICKEL       ug/l       6360         782-49-2       SELENIUM       ug/l       4.8 U         7440-22-4       SILVER       ug/l       1.5 UJ         7440-22-4       SILVER       ug/l       21000 J         7440-22-2       VANADUM       ug/l       6.1 UJ         7440-22-2       VANADUM       ug/l	7440-38-2	ARSENIC	ug/1	4 2 U			
7440-41-7     BERYLLIUM     ug/l     0.7 U       7440-43-9     CADMIUM     ug/l     R       7440-43-9     CALCIUM     ug/l     R       7440-70-2     CALCIUM     ug/l     1.1 UJ       7440-47-3     CHROMIUM, TOTAL     ug/l     1.1 UJ       7440-48-4     COBALT     ug/l     2.8 UJ       7440-48-4     COBALT     ug/l     2.04 U       7430-80-6     RON     ug/l     2.04 U       7439-92-1     LEAD     ug/l     2.6 UJ       7439-92-1     LEAD     ug/l     0.070 J       7439-95-4     MAGNESIUM     ug/l     10700 J       7440-02-0     NICKEL     ug/l     0.092 U       7440-02-0     NICKEL     ug/l     6360       7440-22-4     SILVER     ug/l     1.5 UJ       7440-23-5     SODIUM     ug/l     1.5 UJ       7440-24     SILVER     ug/l     6.1 UJ       7440-25-2     VANADUM     ug/l     6.1 UJ       7440-26-6     ZINC     ug/l     6.1 UJ       7440-62-6     CINC     ug/l     6.1 UJ       7440-62-6     CINC     ug/l     6.1 UJ       7440-62-6     CINC     ug/l     6.1 UJ       7440-62-6 <t< td=""><td>7440-39-3</td><td>BARIUM</td><td>ug/l</td><td>64.9</td><td></td><td></td><td></td></t<>	7440-39-3	BARIUM	ug/l	64.9			
7440.43-9       CADMIUM       ug/l       R         7440.43-9       CALCIUM       ug/l       Statu         7440.47-3       CHROMIUM, TOTAL       ug/l       54500 J         7440.47-3       CHROMIUM, TOTAL       ug/l       1.1 UJ         7440.484       COBALT       ug/l       1.1 UJ         7440.484       COBALT       ug/l       2 UJ         7440.50-8       COPPER       ug/l       2 UJ         7439-95-6       IRON       ug/l       2.6 UJ         7439-95-4       MAGNESEIUM       ug/l       10700 J         7439-95-5       MANGANESE       ug/l       680 J         7440-02-0       NICKEL       ug/l       6360         7440-02-0       NICKEL       ug/l       4.2 UJ         7440-23-5       SDOIUM       ug/l       1.5 UJ         7440-24       SL/VER       ug/l       1.5 UJ         7440-25-2       SLENIUM       ug/l       2.4 UJ         7440-26-2       VANADIUM       ug/l       2.4 UJ         7440-27-4       SL/VER       ug/l       1.5 UJ         7440-26-2       VANADIUM       ug/l       2.4 UJ         7440-26-2       VANADIUM       ug/l <td>7440-41-7</td> <td>BERYLLIUM</td> <td>ug/l</td> <td>0.7 U</td> <td></td> <td></td> <td></td>	7440-41-7	BERYLLIUM	ug/l	0.7 U			
7440-70-2       CALCIUM       ug/l       54500 J         7440-77-3       CHROMIUM, TOTAL       ug/l       1.1 UJ         7440-47-3       CORDUM, TOTAL       ug/l       1.1 UJ         7440-47-3       COBALT       ug/l       5.8 UJ         7440-50-8       COPDER       ug/l       2 UJ         7439-89-6       IRON       ug/l       2.6 UJ         7439-92-1       LEAD       ug/l       2.6 UJ         7439-95-4       MAGNESIUM       ug/l       2.6 UJ         7439-95-5       MAGNAGANESE       ug/l       680 J         7440-02-0       NICKEL       ug/l       0.092 U         7440-02-0       NICKEL       ug/l       4.2 UJ         7440-02-0       NICKEL       ug/l       6360         7440-02-1       SELENIUM       ug/l       6360         7440-02-3       SELENIUM       ug/l       1.5 UJ         7440-22-4       SILVER       ug/l       2.71000 J         7440-22-4       SILVER       ug/l       2.4 UJ         7440-22-2       VANADIUM       ug/l       6.1 UJ         7440-66-2       ZINC       ug/l       6.1 UJ         7440-66-6       ZINC       ug/	7440-43-9	CADMIUM	ug/l	R			
7440-47-3       CHROMIUM, TOTAL       ug/l       1.1 UJ         7440-48-4       COBALT       ug/l       5.8 UJ         740-47-3       CMROMIUM, TOTAL       ug/l       5.8 UJ         740-48-4       COBALT       ug/l       2 UJ         7440-48-4       COBALT       ug/l       2 UJ         740-47-5       COPPER       ug/l       2 UJ         7439-92-1       LEAD       ug/l       2.6 UJ         7439-95-4       MAGNESIUM       ug/l       10700 J         7439-95-5       MARGANESE       ug/l       680 J         7440-02-0       NICKEL       ug/l       6360         7440-02-7       POTASSIUM       ug/l       6360         7440-22-4       SILVER       ug/l       1.5 UJ         7440-22-4       SILVER       ug/l       1.5 UJ         7440-22-5       SODIUM       ug/l       271000 J         7440-23-5       THALLIUM       ug/l       2.4 UJ         7440-62-2       VANADIUM       ug/l       6.1 UJ         7440-66-6       ZINC       ug/l       9.09 J         57-12-5       CYANIDE       ug/l       3 U       224       36 J       166 J	7440-70-2	CALCIUM	ug/l	54500 J			
7440.48.4       COBALT       ug/l       5.8 UJ         7440.48.4       COPPER       ug/l       2 UJ         7439.48.6       IRON       ug/l       2 UJ         7439.98.6       IRON       ug/l       2.0.4 U         7439.95.1       LEAD       ug/l       2.6 UJ         7439.95.4       MAGNESIUM       ug/l       10700 J         7439.95.5       MANGANESE       ug/l       680 J         7440.02.0       NICKEL       ug/l       6.80 J         7440.02.0       NICKEL       ug/l       6.300         7440.22.4       SILVER       ug/l       6.360         7440.22.4       SILVER       ug/l       6.300         7440.22.4       SILVER       ug/l       4.8 U         7440.23.5       SODIUM       ug/l       1.5 UJ         7440.24.0       THALLIUM       ug/l       2.4 UJ         7440.25.2       VANADIUM       ug/l       6.1 UJ         7440.66.2       ZINC       ug/l       6.1 UJ         7440.66.6       ZINC       ug/l       3 U       224       36 J       166 J	7440-47-3	CHROMIUM. TOTAL	ug/l	1.1 UJ			
7440-50-8     COPPER     ug/l     2 UJ       7439-89-6     IRON     ug/l     20.4 U       7439-99-1     LEAD     ug/l     20.4 U       7439-99-1     LEAD     ug/l     2.6 UJ       7439-95-4     MAGNESIUM     ug/l     10700 J       7439-95-5     MANGANESE     ug/l     680 J       7439-97-6     MERCURY     ug/l     0.092 U       7440-02-0     NICKEL     ug/l     4.2 UJ       7440-02-0     NICKEL     ug/l     6360       7782-49-2     SELENIUM     ug/l     6360       7440-22-4     SILVER     ug/l     1.5 UJ       7440-23-5     SODIUM     ug/l     2.4 UJ       7440-62-2     VANADIUM     ug/l     2.4 UJ       7440-66-6     ZINC     ug/l     9.09 J       740-66-6     ZINC     ug/l     3 U     224       36 J     166 J	7440-48-4	COBALT	ug/l	5.8 UI			
7439-89-6     IRON     ug/l     20.4 U       7439-89-6     IRON     ug/l     20.4 U       7439-89-6     IRON     ug/l     2.6 UJ       7439-89-54     MAGNESIUM     ug/l     10700 J       7439-99-5     MANGANESE     ug/l     680 J       7439-97-6     MERCURY     ug/l     0.092 U       7440-02-0     NICKEL     ug/l     4.2 UJ       7440-09-7     POTASSIUM     ug/l     6360       7782-49-2     SELENIUM     ug/l     1.5 UJ       7440-22-4     SILVER     ug/l     1.5 UJ       7440-23-5     SODIUM     ug/l     2.4 UJ       7440-62-2     VANADIUM     ug/l     2.4 UJ       7440-66-6     ZINC     ug/l     6.1 UJ       740-66-6     ZINC     ug/l     3 U     224       36 J     166 J	7440-50-8	COPPER	ug/l	2 UJ			
7439-92-1       LEAD       ug/l       2.6 UJ         7439-95-4       MAGNESIUM       ug/l       10700 J         7439-95-5       MANGANESE       ug/l       680 J         7439-97-6       MERCURY       ug/l       0.092 U         7440-02-0       NICKEL       ug/l       4.2 UJ         7440-09-7       POTASSIUM       ug/l       6360         7782-49-2       SELENIUM       ug/l       1.5 UJ         7440-22-4       SILVER       ug/l       1.5 UJ         7440-23-5       SODIUM       ug/l       2.4 UJ         7440-62-2       VANADIUM       ug/l       6.1 UJ         7440-66-6       ZINC       ug/l       9.09 J         740-66-6       THER       ug/l       3 U       224       36 J       166 J	7439-89-6	IRON	ug/l	20.4 U			
7439-95-4     MAGNESIUM     ug/l     10700 J       7439-95-5     MANGANESE     ug/l     680 J       7439-97-6     MERCURY     ug/l     0.092 U       7440-02-0     NICKEL     ug/l     4.2 UJ       7440-09-7     POTASSIUM     ug/l     6360       7782-49-2     SELENIUM     ug/l     4.8 U       7440-22-4     SILVER     ug/l     1.5 UJ       7440-22-4     SILVER     ug/l     2.4 UJ       7440-22-4     THALLIUM     ug/l     6.1 UJ       7440-62-2     VANADIUM     ug/l     6.1 UJ       7440-66-6     ZINC     ug/l     3 U     224       36 J     166 J	7439-92-1	LEAD	ug/l	2.6 UJ			
7439-96-5     MANGANESE     ug/l     1000 T       7439-96-5     MARGANESE     ug/l     680 J       7439-97-6     MERCURY     ug/l     0.092 U       7440-02-0     NICKEL     ug/l     4.2 UJ       7440-09-7     POTASSIUM     ug/l     6360       7782-49-2     SELENIUM     ug/l     4.8 U       7440-22-4     SILVER     ug/l     1.5 UJ       7440-23-5     SODIUM     ug/l     271000 J       7440-28-0     THALLIUM     ug/l     2.4 UJ       7440-66-2     ZINC     ug/l     6.1 UJ       7440-66-6     ZINC     ug/l     9.09 J       57-12-5     CYANIDE     ug/l     3 U     224     36 J	7439-95-4	MAGNESIUM	ug/l	10700 I			
7439-97-6     MERCURY     ug/l     0.002 U       7440-02-0     NICKEL     ug/l     4.2 UJ       7440-09-7     POTASSIUM     ug/l     6360       7782-49-2     SELENIUM     ug/l     4.8 U       7440-22-4     SILVER     ug/l     1.5 UJ       7440-23-5     SODIUM     ug/l     2.4 UJ       7440-23-6     ZINC     ug/l     6.1 UJ       7440-66-2     ZINC     ug/l     9.09 J       57-12-5     CYANIDE     ug/l     3 U     224	7439-96-5	MANGANESE	ug/l	680 J			
7440-02-0     NICKEL     ug/l     4.2 UJ       7440-09-7     POTASSIUM     ug/l     6360       7782-49-2     SELENIUM     ug/l     4.8 U       7440-22-4     SILVER     ug/l     1.5 UJ       7440-22-4     SILVER     ug/l     271000 J       7440-22-5     SODIUM     ug/l     2.4 UJ       7440-62-2     VANADIUM     ug/l     6.1 UJ       7440-66-6     ZINC     ug/l     9.09 J       57-12-5     CYANIDE     ug/l     3 U     224	7439-97-6	MERCURY	ug/l	0.092 U			
7440-09-7         POTASSIUM         ug/l         6.16 U           7782-49-2         SELENIUM         ug/l         4.8 U           7440-22-4         SILVER         ug/l         1.5 UJ           7440-22-4         SILVER         ug/l         1.5 UJ           7440-23-5         SODIUM         ug/l         2.4 UJ           7440-28-0         THALLIUM         ug/l         6.1 UJ           7440-66-2         ZINC         ug/l         6.1 UJ           7440-66-6         ZINC         ug/l         9.09 J           57-12-5         CYANIDE         ug/l         3 U         224         36 J         166 J	7440-02-0	NICKEL	ug/l	4.2 UI			
VIEW         USA         USA           7482-49-2         SELENIUM         Ug/l         4.8 U           7440-22-4         SILVER         Ug/l         1.5 UJ           7440-23-5         SODIUM         Ug/l         271000 J           7440-28-0         THALLIUM         Ug/l         2.4 UJ           7440-62-2         VANADIUM         Ug/l         6.1 UJ           7440-66-6         ZINC         Ug/l         9.09 J           57-12-5         CYANIDE         Ug/l         3 U         224         36 J         166 J	7440-09-7	POTASSIUM	ug/l	6360			
Visit         User         User           7440-23-5         SODIUM         ug/l         1.5 UJ           7440-23-5         SODIUM         ug/l         271000 J           7440-28-0         THALLIUM         ug/l         2.4 UJ           7440-62-2         VANADIUM         ug/l         6.1 UJ           7440-66-6         ZINC         ug/l         9.09 J           57-12-5         CYANIDE         ug/l         3 U         224         36 J         166 J	7782-49-2	SELENIUM	ug/l	4.8 U			
Visit         Visit <th< td=""><td>7440-22-4</td><td>SILVER</td><td>ug/1</td><td>15 11</td><td></td><td></td><td></td></th<>	7440-22-4	SILVER	ug/1	15 11			
THALLIUM         ug/l         2.4 UJ           7440-28.0         THALLIUM         ug/l         2.4 UJ           7440-66-2         VANADIUM         ug/l         6.1 UJ           7440-66-6         ZINC         ug/l         9.09 J           OTHER         ug/l         3 U         224         36 J         166 J	7440-23-5	SODIUM	ug/1	271000 I			
VANADIUM     ug/l     6.1 UJ       7440-66-6     ZINC     ug/l       0THER     0THER       57-12-5     CYANIDE     ug/l       3 U     224       36 J     166 J	7440-28-0	THALLIUM	ug/1	2.4 III			
OTHER         ug/l         9.09 J           67-12-5         CYANIDE         ug/l         3 U         224         36 J         166 J	7440-62-2	VANADIUM	ug/1	61 UI			
OTHER         ug/l         3 U         224         36 J         166 J           57-12-5         CYANIDE         ug/l         3 U         224         36 J         166 J	7440-66-6	ZINC	ug/l	9.09 I			
57-12-5 CYANIDE ug/l 3 U 224 36 J 166 J		OTHER					
	57-12-5	CYANIDE	ug/l	3 U	224	36 J	166 J

Consolidated Edison		Location ID:	MW-4	MW-5	MW-7	MW-9
Ludlow Street Site		Sample ID:	MW-4-20130408	MW-5-20130405	MW-7-20130404	MW-9-20130405
Validated Groundwater Analytical Data		Lab Sample Id	E1768-06	E1768-03	E1768-12	E1768-01
SDG: E1768		Source:	CTECH	CTECH	CTECH	CTECH
52 6. 21/00		SDG:	F1768	F1768	F1768	F1768
		Matrix	WATER	WATER	WATER	WATER
		Sampled	4/8/2013 8:40	4/5/2013 14:10	4/4/2013 12:32	4/5/2013 10:35
		Validated:	4/30/2013	4/30/2013	4/30/2013	4/30/2013
CAS NO	COMPOUND	UNITS:	4/30/2015	4/30/2015	4/30/2015	4/30/2013
	VOLATILES					
71-55-6	1.1.1-TRICHLOROETHANE	ug/l	0.4 U	0.4 U	0.4 U	0.4 U
79-34-5	1.1.2.2-TETRACHLOROETHANE	ug/l	0.31 U	0.31 U	0.31 U	0.31 U
76-13-1	1.1.2-TRICHLORO-1.2.2-TRIFLUOROETHANE	ug/l	0.45 U	0.45 U	0.45 U	0.45 U
79-00-5	1,1,2-TRICHLOROETHANE	ug/l	0.38 U	0.38 U	0.38 U	0.38 U
75-34-3	1,1-DICHLOROETHANE	ug/l	0.36 U	0.36 U	0.36 U	0.36 U
75-35-4	1,1-DICHLOROETHENE	ug/l	0.47 U	0.47 U	0.47 U	0.47 U
87-61-6	1,2,3-TRICHLOROBENZENE	ug/l	0.2 U	0.2 U	0.2 U	0.2 U
120-82-1	1,2,4-TRICHLOROBENZENE	ug/l	0.2 U	0.2 U	0.2 U	0.2 U
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	ug/l	0.46 U	0.46 U	0.46 U	0.46 U
106-93-4	1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	ug/l	0.41 U	0.41 U	0.41 U	0.41 U
95-50-1	1,2-DICHLOROBENZENE	ug/l	0.45 U	0.45 U	0.45 U	0.45 U
107-06-2	1,2-DICHLOROETHANE	ug/l	0.48 U	0.48 U	0.48 U	0.48 U
78-87-5	1,2-DICHLOROPROPANE	ug/l	0.46 U	0.46 U	0.46 U	0.46 U
541-73-1	1,3-DICHLOROBENZENE	ug/l	0.43 U	0.43 U	0.43 U	0.43 U
106-46-7	1,4-DICHLOROBENZENE	ug/l	0.32 U	0.32 U	0.32 U	0.32 U
591-78-6	2-HEXANONE	ug/l	1.9 U	1.9 U	1.9 U	1.9 U
67-64-1	ACETONE	ug/l	81.1 J	320 J	0.5 UJ	0.5 UJ
71-43-2	BENZENE	ug/l	0.32 U	35.8	1200	0.32 U
74-97-5	BROMOCHLOROMETHANE	ug/l	0.2 U	0.2 U	0.2 U	0.2 U
75-27-4	BROMODICHLOROMETHANE	ug/l	0.36 U	0.36 U	0.36 U	0.36 U
75-25-2	BROMOFORM	ug/l	0.47 U	0.47 U	0.47 U	0.47 U
74-83-9	BROMOMETHANE	ug/l	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ
75-15-0	CARBON DISULFIDE	ug/l	0.2 U	0.2 U	0.2 U	0.2 U
56-23-5	CARBON TETRACHLORIDE	ug/l	0.2 U	0.2 U	0.2 U	0.2 U
108-90-7	CHLOROBENZENE	ug/l	0.49 U	0.49 U	0.49 U	0.49 U
75-00-3	CHLOROETHANE	ug/l	0.2 U	0.2 UJ	0.2 U	0.2 U
67-66-3	CHLOROFORM	ug/l	0.34 U	0.34 U	0.34 U	0.34 U
74-87-3	CHLOROMETHANE	ug/l	0.2 U	0.2 U	0.2 U	0.2 U
156-59-2	CIS-1,2-DICHLOROETHYLENE	ug/l	0.35 U	0.35 U	0.35 U	0.35 U
10061-01-5	CIS-1,3-DICHLOROPROPENE	ug/l	0.31 U	0.31 U	0.31 U	0.31 U
110-82-7	CYCLOHEXANE	ug/l	0.2 UJ	0.2 U	0.2 UJ	0.2 UJ
124-48-1	DIBROMOCHLOROMETHANE	ug/l	0.2 U	0.2 U	0.2 U	0.2 U
75-71-8	DICHLORODIFLUOROMETHANE	ug/l	0.2 U	0.2 U	0.2 U	0.2 U
100-41-4	ETHYLBENZENE	ug/l	0.2 U	12.1	90	0.2 U
98-82-8	ISOPROPYLBENZENE (CUMENE)	ug/l	0.45 U	1.8 J	9.8	0.45 U
XYLMP	M,P-XYLENE (SUM OF ISOMERS)	ug/l	0.95 U	7.7 J	180	0.95 U
79-20-9	METHYL ACETATE	ug/l	0.2 U	0.2 U	0.2 U	0.2 U
78-93-3	METHYL ETHYL KETONE (2-BUTANONE)	ug/l	1.3 U	29.2 J	1.3 U	1.3 U
108-10-1	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	ug/l	2.1 U	200 J	2.1 U	2.1 U
108-87-2	METHYLCYCLOHEXANE	ug/I	0.2 U	0.2 UJ	0.44 J	0.2 U
/5-09-2	METHYLENE CHLORIDE	ug/l	0.41 U	0.41 U	0.41 U	0.41 U
95-47-6	U-AYLENE (1,2-DIMETHYLBENZENE)	ug/l	0.43 U	8.1	130	0.43 U
100-42-5	STIKENE	ug/I	0.36 U	0.49 J	0.36 U	0.36 U
1054-04-4	TERT-BUITL METHYLETHEK	ug/I	0.35 U	0.35 U	1.6 J	1.6 J
12/-18-4	TOLLENE	ug/1	0.27 U	0.27 U 26 0	0.27 0	0.27 U
108-88-3	TRANG 1.2 DICHLODOETHENE	ug/I	0.37 U	30.9	0.41 U	0.37 U
10061 02 6	TRANS-1,2-DICHLOROETHENE	ug/i	0.41 U	0.41 U	0.41 U	0.41 U
70.01.6	TDICHI ODOETUVI ENE (TCE)	ug/1	0.29 U	0.29 U	0.29 U	0.29 U
75 60 4		ug/1	0.28 U	0.28 U	0.28 U	0.28 U
75 01 4		ug/I	0.55 U	0.35 U	0.55 U	0.35 U
123_01_1	1 4-DIOXANE (P-DIOXANE)	ug/1	0.54 U 100 II	100 11	100 II	100 U
123-71-1	I,T-DIOAAINE (I "DIOAAINE)	ug/1	100 U	100 0	100 U	100 0

Lador. Source         Sample D: Marked Construction Adjuing Data Back. Elization Adjuing Data Back.	Consolidated Edison		Location ID:	MW-4	MW-5	MW-7	MW-9
Validated frameworks Audyleid Ban         Lab Sample Marge         Particles	Ludlow Street	Site	Sample ID:	MW-4-20130408	MW-5-20130405	MW-7-20130404	MW-9-20130405
SND:         ETHON         CTECH         ETNS         WATER         Second         WATER         Second         WATER         Second         WATER         Second         WATER         Second         WATER	Validated Grou	indwater Analytical Data	Lab Sample Id:	F1768-06	F1768-03	F1768-12	F1768-01
ADDIT LINE         SPRE Market Sample (#\$2001 AL0         Fried (#\$2001 AL0 <td>SDC: E1769</td> <td>niuwater Anarytical Data</td> <td>Lao Sample Iu.</td> <td>CTECH</td> <td>CTECH</td> <td>CTECH</td> <td>CTECH</td>	SDC: E1769	niuwater Anarytical Data	Lao Sample Iu.	CTECH	CTECH	CTECH	CTECH
Number         Number<	SDG. E1708		Source.	E1769	LIECH	CIECH	EIECH
Same:         Value         440/018-00			SDG:	E1/08	E1/08	E1/08	E1/08
Database         Parameter         Parameter <th< td=""><td></td><td></td><td>Matrix:</td><td>WATER</td><td>WATER</td><td>WATER</td><td>WATER</td></th<>			Matrix:	WATER	WATER	WATER	WATER
Construct         Valuation         4-59/013         4-59/013         4-59/013         4-59/013         4-59/013           SMAD         L3.4.5 TERRACH/GROMENZENE         12.4.5 TERRACH/GROMENZENE			Sampled:	4/8/2013 8:40	4/5/2013 14:10	4/4/2013 12:32	4/5/2013 10:35
CAN MU         Long Oracle         UNIX         Construction         Construction <thconstruction< th=""> <th< td=""><td>a</td><td>001/0010/0</td><td>Validated:</td><td>4/30/2013</td><td>4/30/2013</td><td>4/30/2013</td><td>4/30/2013</td></th<></thconstruction<>	a	001/0010/0	Validated:	4/30/2013	4/30/2013	4/30/2013	4/30/2013
BARYOLANDER         up1         0.4 U         0.23 U         0.23 U         0.21 U           98-93         21.4.7 FURCHI GROPENDOL         up1         0.8 U         0.56 U         0.41 U         0.42 U         0.42 U           98-94         24.5 FURCHI GROPENDOL         up1         1.1 U         0.570 U         0.64 U         0.64 U         0.64 U         0.62 U         0.64 U         0.62 U         0.64 U         0.62 U         0.64 U         0.65 U         0.65 U         0.55 U	CAS NO.	COMPOUND	UNITS:				
93-44         1.3.4.5 THTRACHIARDRIN-2738         up1         0.4.0         0.235.0         0.235.0         0.235.0         0.235.0         0.235.0         0.235.0         0.235.0         0.235.0         0.235.0         0.235.0         0.037.0         0.057.0 <td></td> <td>SEMIVOLATILES</td> <td></td> <td></td> <td></td> <td></td> <td></td>		SEMIVOLATILES					
38-90-2         2.3.6 TEREACULAROPHENOL         ep3         0.4.0         0.235.0         0.256.0         0.210.0           1208-82         2.4.5 RECHOROMENNOL         ep3         1.5.0         0.887.0         0.687.0         0.670.0           1208-82         2.4.5 RECHOROMENNOL         ep3         1.4.0         0.887.0         0.687.0         0.670.0           1208-82         2.4.5 RECHOROMENNOL         ep3         4.4.0         0.870.0         0.75.0           12.8.6.6         2.4.5 RECHOROMENNOL         ep3         4.2.00         0.75.0         1.2.3.0         0.65.0         1.0.0         0.64.0         0.1.0.0.0	95-94-3	1,2,4,5-TETRACHLOROBENZENE	ug/l	0.4 U	0.253 U	0.206 U	0.21 U
98-95-4         24.5 TRICH (ORD/PHPNOL)         (m)         0.8 (m)         0.9 (m)         0.4 (1) <td>58-90-2</td> <td>2,3,4,6-TETRACHLOROPHENOL</td> <td>ug/l</td> <td>0.4 U</td> <td>0.253 U</td> <td>0.206 U</td> <td>0.21 U</td>	58-90-2	2,3,4,6-TETRACHLOROPHENOL	ug/l	0.4 U	0.253 U	0.206 U	0.21 U
88.66.2         2.46.TRICH.0000PHINOL         up1         1         0         0.757         0         0.0           98.25         2.45.DRITROFULARMENTOL         up1         4.2         0         0.2         0.2         0.2         0.2         0.0         0         0.2         0.0         0.2         0.0         0.2         0.0	95-95-4	2,4,5-TRICHLOROPHENOL	ug/l	0.8 U	0.506 U	0.412 U	0.43 U
12083-3         24-DICHLOROPHINOL         up1         1.3         0.859         0.08         0.07         0.07           100-573         24-DINTROTOLIPNE         up1         0.14         0.899         0.08         0.07         0.14           101-162         24-DINTROTOLIPNE         up1         0.64         0.450         0.431         0.31         0.341           91-38-7         2-CELOROPARTHALENE         up1         0.22         0.081         0.31         0.31         0.341           91-37-6         2-MELOROPARTHALENE         up1         0.22         0.084         0.464         0.41         310         0.341           91-37-6         2-MELOROPARTHALENE         up1         0.22         0.084         0.464         0.41         0.41         310         0.341	88-06-2	2,4,6-TRICHLOROPHENOL	ug/l	1.1 U	0.709 U	0.577 U	0.6 U
00:6-7.9         24-DMRETHYLENOL         up1         1.4         0.997         0.723         0.720         0.721	120-83-2	2,4-DICHLOROPHENOL	ug/l	1.3 U	0.835 U	0.68 U	0.7 U
512.8.5         2.4.DNTROPULIENCE         up1         4.2.U         7.2.U         7.2.U <th7.2.u< th="">         7.2.U         7.2.U</th7.2.u<>	105-67-9	2,4-DIMETHYLPHENOL	ug/l	1.4 U	0.899 U	0.732 U	0.76 U
12:142         2.4-DNTREOPLIESE         up1         2.1 U         1.1 U         0.3 U	51-28-5	2,4-DINITROPHENOL	ug/l	4.2 UJ	2.7 UJ	2.2 UJ	2.2 UJ
968-50         2.6.DNRTRECTOLLESE         991         0.4.0         0.2.8.0         0.3.8.0         0.3.8.0           95.57         2.CLILOROMAPTHALENE         991         1.1.0         0.2.8.10         0.3.6.0         0.7.0         0.7.0           95.57.5         2.CLILOROMAPTHALENE         991         0.4.0         0.3.4.10         0.5.5.0         0.5.7.0           98.74         2.METROANLINE         991         0.4.0         0.4.0         0.5.5.0         0.5.2.0           98.74         2.METROANLINE         991         1.0         0.6.5.1         0.5.5.0         0.5.5.0           98.74         2.METROANLINE         991         0.4.0         0.4.0         0.4.0         0.5.0         0.5.5.0           91.94.1         3.5.0CHLORONBENZIDNE         991         0.4.0         0.4.0         0.2.0         0.4.0         0.2.0         0.4.0         0.2.0         0.2.0         0.4.0         0.2.0         0.2.0         0.3.0	121-14-2	2,4-DINITROTOLUENE	ug/l	2.1 U	1.3 U	1.1 U	1.1 U
91-88         2 CILLORONAPTIFALENE         up1         0.01         0.015 U         0.017 U           95-78         2.CHLOROPHENOL         up1         1,1         0.0684 U         0.431         340         0.331 U           94-70         2.METHYLANNICLOCKERSOL         up1         0.481 U         0.301 U         0.557 U         0.247 U         1.1 U         0.247 U         1.1 U         1.2 U         1.1 U         1.2 U         1.1 U         1.2 U         1.1 U         1.2 U         0.247 U         0.77 U         0.247 U         0.77 U         0.247 U         0.77 U         0.247 U         0.27 U         0.27 U         0.27 U         0.21 U         0.247 U         1.1 U         1.4 U         <	606-20-2	2,6-DINITROTOLUENE	ug/l	0.64 U	0.405 U	0.33 U	0.34 U
95.75         2CILOROPTINOL         up1         1.1         0.64         0.57	91-58-7	2-CHLORONAPHTHALENE	ug/l	0.32 U	0.203 U	0.165 U	0.17 U
94.57         2METHYLANDEN (CRESOL)         ug1         0.64 U         0.24 U         0.25 U         0.21 U         0.21 U         0.21 U         0.21 U         0.21 U         0.21 U         0.22 U         0.21 U         0.23 U         0.21 U	95-57-8	2-CHLOROPHENOL	ug/l	1.1 U	0.684 U	0.557 U	0.57 U
95-48-7         2-METHYLPHENOL (OCRESOL)         up1         0.48 U         0.24 U         0.247 U         0.25 U           887-54         2-NITROPHENOL         up1         1 U         0.68 U         0.350 U         0.55 U           887-55         2-NITROPHENOL         up1         1 U         0.87 U         2.1 U           MEHATENE 1-MARNARMAN         up1         4 U         R         2.1 U         0.4 U           MEHATENE 1-MARNARMAN         up1         4 U         R         2.1 U         0.4 U <td>91-57-6</td> <td>2-METHYLNAPHTHALENE</td> <td>ug/l</td> <td>0.64 U</td> <td>42.1</td> <td>340</td> <td>0.34 U</td>	91-57-6	2-METHYLNAPHTHALENE	ug/l	0.64 U	42.1	340	0.34 U
88:74-0         2.NTROANLINE         up1         0.98 U         0.62 U         0.050 U         0.55 U           91:94-1         3.3 DICHLOROMENZINE         up1         4 U         R         2.1 U         0.25 U           91:94-1         3.3 DICHLOROMENZINE         up3         0.76 U         0.48 U         0.92 U         0.41 U           99:02         2.NTROANINE         up3         0.22 U         R         1.1 U         0.21 U           99:05         2.NTROANINE         up3         0.5 U         0.03 U         0.32 U         0.32 U           99:05         3.0TROANINE         up3         0.8 U         0.09 U         0.3 U         0.32 U         0.3 U           90:07-74         CHLOROANLINE         up3         0.8 U         0.26 U         0.21 U         0.4 U           90:05-74         NTROANINE         up3         0.4 U         0.25 U         0.21 U         0.4 U         0.22 U           32:02         ACXMPHTHENC         up3         0.4 U         0.25 U         0.21 U         0.02 U <td>95-48-7</td> <td>2-METHYLPHENOL (O-CRESOL)</td> <td>ug/l</td> <td>0.48 U</td> <td>0.304 U</td> <td>0.247 U</td> <td>0.26 U</td>	95-48-7	2-METHYLPHENOL (O-CRESOL)	ug/l	0.48 U	0.304 U	0.247 U	0.26 U
8875.5         2-NITROPHENOL         up1         1 U         0.68 U         0.53 U         0.51 U           MEPHI MAPHI 1-MENOL         up1         0.76 U         0.81 U         0.320 U         0.4 U           MEPHI MAPHI 1-MENOL         up1         1.5 U         0.81 U         0.372 U         0.42 U           S15-53         4.80 MOMPLAN 1-MENUL ETHER         up1         0.64 U         0.21 U         0.23 U         0.42 U           93-09         3-NITROPHENUL ETHER         up1         0.40 U         0.23 U         0.42 U         0.42 U           93-09         4-CHLORO 3-METHYLEPHENUL ETHER         up1         0.40 U         0.25 U         0.21 U         0.21 U           93-09         4-CHLORO 3-METHYLEPHENUL ETHER         up1         0.42 U         0.26 U         0.21 U         0.21 U           93-09         ACENAPHITENE         up1         0.42 U         0.26 U         0.21 U         0.21 U           98-64         ACENAPHITENE         up1         4 U         1.81 N         3.66 O.71 U           98-64         ACENAPHITENE         up1         0.21 U         0.21 U         0.21 U         0.21 U           100-12-12         ATRACOME         up1         0.21 U         0.21 U         0.21 U </td <td>88-74-4</td> <td>2-NITROANILINE</td> <td>ug/l</td> <td>0.98 U</td> <td>0.62 U</td> <td>0.505 U</td> <td>0.52 U</td>	88-74-4	2-NITROANILINE	ug/l	0.98 U	0.62 U	0.505 U	0.52 U
919-94         37-DICHLOROBENZIDNE         up1         4         U         R         2.1         U         2.1         U           990-92         SNITROANLINE         up1         7.2         U         0.8         1.1         U         1.2         U         0.64         U         0.83         U         0.73         U         0.74         0.73         U         0.74         0.74         0.74         0.74         0.74         0.74         U         0.25         U         0.26         U         0.27         U         0.72         0.71         0.71         0.71         0.71         0.71         0.71         0.72         0.71         0.71         0.14         U         0.22         U         0.26         0.71         0.71         0.14         U         0.22         U         0.2	88-75-5	2-NITROPHENOL	ug/l	1 U	0.658 U	0.536 U	0.55 U
MEPH MEPH 3Methylebrohs         up1         0.70 U         0.481 U         0.392 U         7.4 U           S34-52.1         4.6 DINTRO-AMENT         up3         1.5 U         9.377 U         0.733 U         0.73 U         0.24 U           59-50         + CHLORO-AMETHYLPHENOL         up1         0.40 U         0.29 U         0.3 U         0.32 U         0.32 U         0.32 U         0.32 U         0.32 U         0.3 U           99-57         + CHLORO-AMETHYLPHENOL         up1         0.42 U         0.26 U         0.216 U         0.21 U         0.22 U         0.26 U         0.26 U         0.21 U	91-94-1	3,3'-DICHLOROBENZIDINE	ug/l	4 U	R	2.1 U	2.1 U
99.09.2         INTROÀNILATE         12.0         N. R.         1.10         12.0           100-55         4-BROMOPHENYL-PHENOL         up1         15.0         0.70         0.0           100-55         4-BROMOPHENYL-PHENOL         up1         0.40         0.201         0.237         0.240           100-55         4-CHLORO-MENTYL-PHENOL         up1         0.50         0.412         0.241         0.241           106-74         4-CHLORO-MENTYL-PHENOL         up1         0.52         0.00         0.261         0.220         0.241           106-04         +NIROMENLE         up1         0.42         0.260         0.216         0.222         0.210         1.40         1.40         1.40         1.40         1.40         1.40         1.40         1.40         1.40         1.40         1.40         1.41         0.220         1.00 <t< td=""><td>МЕРНЗМЕРН</td><td>3+4-Methylphenols</td><td>ug/l</td><td>0.76 U</td><td>0.481 U</td><td>0.392 U</td><td>0.4 U</td></t<>	МЕРНЗМЕРН	3+4-Methylphenols	ug/l	0.76 U	0.481 U	0.392 U	0.4 U
534-52.         4-DDNTRO-AMETHYLPHENDL         wp1         1.5 UJ         0.97 UJ         0.73 UJ         0.75 UJ <th0.75 th="" uj<="">         0.75 UJ         0.75 UJ</th0.75>	99-09-2	3-NITROANILINE	ug/l	2.2 U	R	1.1 U	1.2 U
In 0.53.3         4.BROMOPHENTL PHENOL         up1         0.26 U         0.27 U         0.22 U         0.04 U           95-07         4.CH0.003.0HLINE         up1         0.5 U         0.50 U         0.216 U         0.43 U           106-7.8         4.CH0.007.0HLINE/PHENOL         up1         0.5 U         0.26 U         0.226 U         0.220 U         0.3 U           100-01-6         4.NTROJHENOL         up1         0.4 U         0.25 U         2.1 U         0.4 U         0.22 U           0.80-27         4.CH0.007.0HLINE         up1         0.4 U         2.5 U         2.1 U         0.1 U         0.5 U         0.5 U         0.1 U         0.5 U         0.5 U         0.1 U         0.5 U         0.5 U         0.5 U<	534-52-1	4.6-DINITRO-2-METHYLPHENOL	11g/l	15 11	0.937 111	0.763 UI	0.79 111
59.50.7         LCHU DE0.3METRYLPHEND.         up1         0.5 U         0.6 U         0.41 2 U         0.43 U           106-73         4-CHU DROANLINE         up1         0.7 U         0.26 U         0.216 U         0.22 U           106-73         4-CHU DROANLINE         up1         0.42 U         1.7 U         1.4 U         1.4 U         1.4 U           100-16         4-KITROMIEND.         up1         0.42 U         4.2 G         4.71. U         2.1 U         2.1 U           100-0.6         4-KITROMIEND.         up1         0.42 U         4.2 G         4.71. U         0.22 U         0.17 V         0.14 U         0.26 U         0.17 U         0.14 U         0.5 U         0.20 U         0.17 U         0.14 U         0.5 U         0.25 U         0.17 U         0.14 U         0.5 U </td <td>101-55-3</td> <td>4-BROMOPHENYL PHENYL ETHER</td> <td>11g/l</td> <td>0.46 U</td> <td>0.291 U</td> <td>0.237 U</td> <td>0.24 U</td>	101-55-3	4-BROMOPHENYL PHENYL ETHER	11g/l	0.46 U	0.291 U	0.237 U	0.24 U
	59-50-7	4-CHLORO-3-METHYLPHENOL	100/1	0.8 U	0.506 U	0.412 U	0.43 U
TOD-57.33         I-CHLOROPHENYL PHENYL ETHER         "97         0.42         0         0.21         0         0.21         0         0.21         0         0.21         0         0.21         0         0.21         0         0.22         0         0.21         0         0.21         0         0.21         0         0.21         0         0.21         0         0.21         0         0.21         0         0.21         0         0.21         0         0.21         0         0.21         0         0.21         0         0.21         0         0.21         0         0.22         0         0.21         0         0.22         0         0.22         0         0.22         0         0         0.21         0         0         0         0.21         0	106-47-8	4-CHI OROANII INF	ug/1	5.0 C	36 U	291	3 11
100.0.2         4.NTROANLINE         10.0.0.2         4.NTROANLINE         14.U         14.U <t< td=""><td>7005-72-3</td><td>4-CHI OROPHENYI PHENYI ETHER</td><td>ug/1</td><td>0.42 U</td><td>0.266 U</td><td>0.216 U</td><td>0.22 U</td></t<>	7005-72-3	4-CHI OROPHENYI PHENYI ETHER	ug/1	0.42 U	0.266 U	0.216 U	0.22 U
1000.27         LATROPHENDL         ug1         2.4 U         2.5 U         2.1 U         2.1 U           028-06         ACENAPHTHENE         ug1         1.4 U         1.8 I         38.6         0.74 U           028-06.4         ACENAPHTHENE         ug1         1.4 U         1.8 I         38.6         0.74 U           120-12.7         ANTERACINE         ug1         0.32 U         0.203 U         0.61 U         0.64 U         0.63 U           120-12.7         ANTERACINE         ug1         0.52 U         0.075 U         0.794 U         0.82 U         0.37 U         0.94 U         0.82 U         0.47 U         0.82 U         0.47 U         0.82 U         0.47 U         0.82 U         0.37 U         0.97 J         0.50 U         0.52 U         0.31 U         0.50 U         0.52 U         0.31 U         0.50 U         0.36 U         0.36 U         0.36 U         0.30 U         0.99 U         0.31 U         0.95 U         0.55 U         0.56 U         0.56 U         0.57 U         0.59 U         0.55 U         0.56 U         0.56 U         0.57 U         0.59 U         0.59 U         0.55 U	100-01-6	4-NITROANII INF	ug/1	27 1	17 11	1.4 U	1.4 U
0x33.9         CCENAPTITUENE         ug         0.4	100-01-0	4 NITROAHEINE	ug/l	2.7 U 4 U	25 U	1.4 U 2.1 U	2.1 U
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	82 22 0	ACENADUTHENE	ug/I	4 U 0 42 U	2.5 0	2.1 0	0.22 U
Dabbase         ACETOPHENONE         ug1         1.8.1         1.1.1	208 06 8	ACENADUTUVI ENE	ug/I	0.42 U	42.0	47.1	0.22 U
93-00-2         ACH OF INSLACE.         ug1         0.23 U         0.11 U         0.12 U         0.11 U         0.12 U         0.11 U         0.12 U         0.11 U         0.12 U         0.13 U	200-90-0	ACENALITITIENE	ug/I	1.4 U	10.1 0.177 U	0.144 UI	0.74 U 0.15 U
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	120 12 7	ANTHDACENE	ug/I	0.28 U	0.177 U	0.144 UJ	0.15 U
D12-49         ATRACINE         ug1         0.8 U         0.30 U         0.48 U         0.43 U           05-32-8         BEXZOLAJANTHRACENE         ug1         1.5 U         0.975 U         0.794 U         0.82 U           56-55-3         BEXZOLAJANTHRACENE         ug1         0.23 U         0.203 U         1.4 K         0.015 U           205-92         BEXZOLAJPYRENE         ug1         0.28 U         0.377 U         9.7 J         0.15 U           205-92         BEXZOLGHPURENTLENE         ug1         0.58 U         0.367 U         0.299 U         0.31 U           207-08-9         BEXZOLGUPUCARANTHENE         ug1         0.38 U         0.241 U         0.196 U         0.22 U           98-68-7         BEXZOLENPUTU, PHTHALATE         ug1         0.38 U         0.241 U         0.196 U         0.567 U         0.59 U           111-91-1         BIS2-CHLOROBORPOPLITHER         ug1         0.34 U         0.215 U         0.175 U         0.18 U           108-0-1         BIS2-CHLOROBORPOPLITHENE         ug1         0.34 U         0.278 U         2.5 J         0.23 U           105-69-2         CARPOLACTAM         ug1         0.44 U         0.278 U         0.45 U         0.45 U         0.43 U         0.43 U	120-12-7	ATDAZINE	ug/1	0.32 U	0.203 U	20.2 0.412 U	0.17 U
IND-2-7         BEXZO(A)ANTHRACENE         ug/l         0.3 U         0.97 U         0.97 U         0.82 U           S032.8         BEXZO(A)ANTHRACENE         ug/l         0.23 U         0.23 U         0.17 U         9.7 J         0.15 U           S032.8         BEXZO(B)UORANTHENE         ug/l         0.58 U         0.367 U         8.2 J         0.31 U           S070.8-9         BEXZO(B)UORANTHENE         ug/l         0.58 U         0.367 U         0.29 U         0.31 U           S070.8-9         BEXZO(K)LORANTHENE         ug/l         0.38 U         0.24 U         0.99 U         0.31 U           S5-84         BENZO(K)LUORANTHENE         ug/l         0.38 U         0.24 U         0.99 U         0.50 U           S5-54         BENZO(K)LUORANTHENE         ug/l         0.3 U         19.6         25.7         0.16 U           111-11         BIS2-CHLOROGETHONY) METHANE         ug/l         0.3 U         0.66 U         0.567 U         0.59 U           108-60-1         BIS2-CHLOROFORPYL) ETHER         ug/l         0.4 U         2.5 U         2.1 U         2.1 U         2.1 U           105-60-2         CARROLACTAM         ug/l         0.4 U         0.278 U         0.33 U         0.650 U         0.31 U     <	1912-24-9	A I KALINE DENZAL DEUVDE	ug/1	0.8 U	0.500 U	0.412 U	0.45 U
3b3-3-3         BENZOA/ANTRIACENE         ugl         0.32 U         0.43 U         0.22 U         0.16 U         0.2 U           207.08-9         BENZOG(A)PRENTENE         ugl         0.35 U         0.22 U         0.18 U         0.24 U         0.16 U         0.2 U           92.52-4         BIPENTL/ DIFTENTL         ugl         0.3 U         1.0 U         0.066 U         0.56 T U         0.59 U           111-41-4         BIS(2-CHLOROETHOXY) METHANE         ugl         1.1 U         0.066 U         0.567 U         0.59 U           111-44-4         BIS(2-CHLOROETHAY) ETHER         ugl         0.34 U         0.21 U         2.1 U         2.1 U           86-61         BIS(2-CHLOROETHAY) HITHALATE         ugl         0.34 U         0.23 U         0.16 U         0.17 U         0.17 U           105-60-2         CAPROLACTAM         ugl         0.34 U         0.23 U         0.41 U         0.17 U         2.1 U           218.01-9         CHRYSENE         ugl         0.44	100-52-7	DENZALDEH I DE DENZO(A) ANTHD ACENE	ug/1	1.5 U	0.975 U	0.794 U	0.82 U
D3-25-3         DEXZOR/NTERNE         ugil         0.25 U         0.17/U         9.7/J         0.13 U           191-34-2         BENZOR/HURORATHENE         ugil         0.58 U         0.367 U         0.29 U         0.31 U           191-34-2         BENZOR/HURORATHENE         ugil         0.58 U         0.367 U         0.29 U         0.31 U           191-34-2         BENZOR/HURORATHENE         ugil         0.35 U         0.367 U         0.29 U         0.11 U           85-68-7         BENZOR/HURORATHENE         ugil         0.33 U         19.6         25.7         0.16 U           111-91-1         BIS(2-CHLOROETHYL) FTHER         ugil         1.1 U         0.696 U         0.567 U         0.59 U           108-60-1         BIS(2-CHLOROETHYL) FTHER         ugil         0.34 U         0.215 U         0.17 U         108           105-60-2         CARROLACTAM         ugil         4.4 U         2.5 U         2.1 U         2.1 U           80-74         CARBOLACTAM         ugil         0.34 U         0.278 U         0.35 U         0.21 U         2.1 U           108-60-1         BIS(2-CHLOROETHYL) FTHER         ugil         0.36 U         0.228 U         1.4.6         0.19 U           108-62 <t< td=""><td>50-55-5</td><td>DENZO(A)ANTHRACENE</td><td>ug/1</td><td>0.32 U</td><td>0.203 U</td><td>14.8</td><td>0.17 U</td></t<>	50-55-5	DENZO(A)ANTHRACENE	ug/1	0.32 U	0.203 U	14.8	0.17 U
205-992         DENZOGRAPHENTENE         ugi         0.58 U         0.36 U         0.36 U         0.29 U         0.31 U           207.08-9         BENZOGRAPHENTENE         ugi         0.58 U         0.36 U         0.228 U         0.186 U         0.19 U           85-68-7         BENZOR KOKFLUDRANTHENE         ugi         0.38 U         0.241 U         0.196 U         0.2 U           92.52-4         BEPKZVL BUTVL PHTHALATE         ugi         0.31 U         0.660 U         0.567 U         0.59 U           111-44-4         BISC-CHLOROETHOXY METHANE         ugi         1.1 U         0.666 U         0.567 U         0.59 U           108-60-1         BISC-CHLOROETHOXY METHANE         ugi         0.32 U         0.203 U         0.165 U         0.17 U           108-60-1         BISC-CHLOROETHOXY METHANE         ugi         0.34 U         0.27 U         2.1 U         2.1 U         2.1 U         2.1 U         2.1 U         0.17 U           108-60-1         BISC-CHLOROETHOXY METHANE         ugi         0.34 U         0.23 U         0.165 U         0.17 U         2.1	30-32-8	DENZO(A)PIKENE	ug/1	0.28 U	0.177 U	9.7 J	0.15 U
191-24-2       BEXZOK,FLUCKANTHENE       ug1       0.38 U       0.36 U       0.298 U       0.164 U       0.19 U         85-68-7       BEXZOK,FLUCKANTHENE       ug1       0.38 U       0.241 U       0.196 U       0.2 U         95-52-4       BENZOK,FLUCKANTHENE       ug1       0.38 U       0.241 U       0.196 U       0.257 U       0.15 U         111-91-1       BIS2-CHLOROETHOXY) METHANE       ug1       1.1 U       0.666 U       0.567 U       0.59 U         111-44-4       BIS2-CHLOROETHYL) ETHER (2.CHLOROETHYL ETHER)       ug1       0.34 U       0.215 U       0.175 U       0.18 U         08-60-1       BIS2-CHLOROISORPOPYL) ETHER       ug1       0.34 U       0.215 U       0.175 U       0.18 U         105-60-2       CAPROLACTAM       ug1       0.44 U       0.278 U       5.5 J       0.23 U         105-60-2       CARBAZOLE       ug1       0.64 U       0.278 U       0.45 U       0.17 U         105-60-2       CARBAZOLE       ug1       0.44 U       0.278 U       0.45 U       0.45 U         105-60-2       CARBAZOLE       ug1       0.44 U       0.278 U       0.45 U       0.45 U         112-61-9       DIENZOKFINAN       ug1       0.76 U       0.48 U	205-99-2	BENZO(B)FLUURANTHENE	ug/I	0.58 U	0.367 U	8.2 J	0.31 U
20/36-9         BENZU (SPELOUGAN HENE         ugl         0.36 U         0.22 U         0.166 U         0.19 U           92-52-4         BIPHENYL (DIPHENYL)         ugl         0.38 U         0.24 U         0.19 U         0.25 U           92-52-4         BIPHENYL (DIPHENYL)         METHANE         ugl         0.31 U         0.66 U         0.567 U         0.59 U           111-91-1         BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)         ugl         0.34 U         0.215 U         0.175 U         0.18 U           108-60-1         BIS(2-CHLOROSOROPOYL) ETHER         ugl         0.32 U         0.203 U         0.165 U         0.17 U           105-60-2         CARBAZOLE         ugl         0.44 U         0.25 U         2.1 U         2.1 U           218-01-9         CHRYSENE         ugl         0.36 U         0.228 U         1.4.6         0.19 U           132-64-9         DIBENZA, HJNNTHRACENE         ugl         0.48 U         0.304 U         6.33 J         0.26 U           134-64-2         DIETHYL PHTHALATE         ugl         0.44 U         0.27 U         0.23 U           134-64-2         DIETHYL PHTHALATE         ugl         0.44 U         0.227 U         0.23 U           124-44-2         DIMETYL PHTHA	191-24-2	BENZO(G,H,I)PERYLENE	ug/I	0.58 U	0.367 UJ	0.299 U	0.31 UJ
S>68-7         BENZAL BUTYL PHIALATE         ugl         0.38 U         0.24 U         0.196 U         0.2 U           111-91-1         BIFLENYL (DUPHENYL)         ugl         0.3 U         19.6         25.7         0.16 U           111-91-1         BIS(2-CHLOROETHOXY) METHANE         ugl         1.1 U         0.696 U         0.567 U         0.59 U           108-60-1         BIS(2-CHLOROENTPYL) ETHER (2-CHLOROETHYL ETHER)         ugl         0.32 U         0.203 U         0.165 U         0.17 U           105-60-2         CAPROLACTAM         ugl         0.44 U         0.278 U         5.5 J         0.23 U           105-60-2         CARROLACTAM         ugl         0.44 U         0.278 U         5.5 J         0.23 U           105-60-2         CHRYSENE         ugl         0.36 U         0.228 U         14.6         0.19 U           312-64-9         DIBENZOFURAN         ugl         0.44 U         0.278 U         0.33 U         0.45 U           124-64-2         DIETHYL PHTHALATE         ugl         0.44 U         0.392 U         0.44 U           131-13         DIMETHYL PHTHALATE         ugl         0.44 U         0.278 U         0.221 U         0.21 U           117-84-0         DN-SUTYL PHTHALATE         <	207-08-9	BENZO(K)FLUORANTHENE	ug/I	0.36 U	0.228 U	0.186 U	0.19 U
92-52-4         BIPHENT (UPPERNT (UPPERNT (UPPERNT))         ugl         0.3 U         19.6         2.5.7         0.16 U           111-91-1         BIS(2-CHLOROETHOXY) METHANE         ugl         1.1 U         0.696 U         0.567 U         0.59 U           111-444         BIS(2-CHLOROETHAYL) ETHER         ugl         0.34 U         0.215 U         0.175 U         0.18 U           117-81-7         BIS(2-CHLOROISOPROPYL) ETHER         ugl         0.32 U         0.020 U         0.165 U         0.17 U           105-60-2         CARBAZOLE         ugl         0.44 U         0.278 U         5.5 J         0.23 U           218-01-9         CHRYSENE         ugl         0.36 U         0.252 U         0.433 U         0.45 U           312-64-9         DIBENZ(A,HANTHRACENE         ugl         0.44 U         0.278 U         0.63 J         0.26 U           31-11-3         DIBENZOFURAN         ugl         0.44 U         0.278 U         0.227 U         0.23 U           84-74-2         DIEHNULPHTHALATE         ugl         0.44 U         0.278 U         0.227 U         0.23 U           84-74-2         DIMETHYL PHTHALATE         ugl         0.8 U         0.306 U         18.8         0.43 U           0117-84-0	85-68-7	BENZYL BUTYL PHIHALATE	ug/I	0.38 U	0.241 U	0.196 U	0.2 U
111-91-1       BIS/2-CHLOROBE HIAY) PHERE (2-CHLOROETHYL ETHER)       ug/l       1.1 U       0.696 U       0.567 U       0.59 U         108-60-1       BIS/2-CHLOROISOPROPYL) ETHER       ug/l       0.31 U       0.215 U       0.175 U       0.18 U         117-81-7       BIS/2-CHLOROISOPROPYL) ETHER       ug/l       0.32 U       0.203 U       0.165 U       0.17 U         105-60-2       CAPROLACTAM       ug/l       4 U       2.5 U       2.1 U       2.1 U         86-74-8       CARRAZOLE       ug/l       0.44 U       0.278 U       5.5 J       0.23 U         128-01-9       CARNSENE       ug/l       0.44 U       0.278 U       0.433 U       0.45 U         132-64-9       DIEENZOPURAN       ug/l       0.44 U       0.527 U       0.23 U         84-62       DIETHYL PHTHALATE       ug/l       0.44 U       0.278 U       0.32 U       0.4 U         131-11-3       DIMETHYL PHTHALATE       ug/l       0.44 U       0.278 U       0.227 U       0.23 U         86-73-7       FLOORNTHENE       ug/l       0.44 U       0.256 U       0.54 U       0.64 U         17-74-4       HEXACHLOROBUTADENE       ug/l       0.66 U       0.36 U       0.258 U       0.27 U       0.23 U	92-52-4	BIPHENYL (DIPHENYL)	ug/l	0.3 U	19.6	25.7	0.16 U
111-44-4       BIS/2-CHLOROEINTLEINEX       ug/l       1.1 U       0.696 U       0.567 U       0.597 U         108-60-1       BIS/2-CHLOROISOPROPYL)ETHER       ug/l       0.34 U       0.215 U       0.175 U       0.18 U         107-81-7       BIS/2-CHLOROISOPROPYL)ETHER       ug/l       0.32 U       0.203 U       0.165 U       0.17 U         105-60-2       CAPROLACTAM       ug/l       0.44 U       0.278 U       5.5 J       0.23 U         218-01-9       CHRVSENE       ug/l       0.36 U       0.228 U       14.6       0.19 U         35-70-3       DIBENZOFURAN       ug/l       0.84 U       0.304 U       6.3 J       0.26 U         84-66-2       DIETHYL PHTHALATE       ug/l       0.44 U       0.278 U       0.227 U       0.23 U         84-74-2       DI-N-DCTYLPHTHALATE       ug/l       0.44 U       0.278 U       0.227 U       0.23 U         84-74-2       DI-N-DCTYLPHTHALATE       ug/l       0.44 U       0.278 U       0.227 U       0.23 U         206-44-0       FLORANTHENE       ug/l       0.44 U       0.278 U       0.26 U       1.8         86-73-7       FLORANTHENE       ug/l       0.40 U       0.256 U       0.56 U       0.54 U	111-91-1	BIS(2-CHLOROETHOXY) METHANE	ug/l	1.1 U	0.696 U	0.567 U	0.59 U
IN8-00-1         BIS(2-ENLOROISOPROPYL) ETHER         ug/l         0.34 U         0.13 U         0.175 U         0.175 U         0.175 U         0.175 U         0.175 U         0.018 U           105-06-2         CAPROLACTAM         ug/l         0.44 U         0.203 U         0.203 U         0.215 U         0.21 U         2.1 U         2.1 U           86-74-8         CARBAZOLE         ug/l         0.44 U         0.278 U         5.5 J         0.023 U           128-01-9         CHRYSENE         ug/l         0.36 U         0.228 U         1.4.6         0.19 U           53-70-3         DIBENZOFURAN         ug/l         0.48 U         0.334 U         0.332 U         0.44 U           132-64-9         DIBENZOFURAN         ug/l         0.76 U         0.481 U         0.392 U         0.44 U           131-1-3         DIMETHYL PHTHALATE         ug/l         0.76 U         0.481 U         0.392 U         0.44 U           131-1-3         DIN-NOTYL PHTHALATE         ug/l         0.44 U         2.50 L         0.11 U         2.1 U         2.5 U         0.21 M         0.45 U <td< td=""><td>111-44-4</td><td>BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)</td><td>ug/l</td><td>1.1 U</td><td>0.696 U</td><td>0.567 U</td><td>0.59 U</td></td<>	111-44-4	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	ug/l	1.1 U	0.696 U	0.567 U	0.59 U
117.47.7       BIS(2-E1HYLHEXYL)PHTHALATE       ug/l       0.32 U       0.03 U       0.165 U       0.17 U         015-60-2       CAPROLACTAM       ug/l       0.44 U       0.25 U       2.1 U       2.1 U         86-74-8       CARBAZOLE       ug/l       0.44 U       0.278 U       5.5 J       0.23 U         218-01-9       CHRYSENE       ug/l       0.36 U       0.228 U       14.6       0.19 U         35-70-3       DIEENZA(A,HANTHRACENE       ug/l       0.64 U       0.532 UJ       0.433 U       0.45 UJ         132-64-9       DIEENZOFURAN       ug/l       0.44 U       0.392 U       0.42 U       0.323 U         84-66-2       DIEHYL PHTHALATE       ug/l       0.44 U       0.27 U       0.23 U       0.43 U         84-74-2       DI-N-OCTYLPHTHALATE       ug/l       0.44 U       0.27 U       0.23 U       0.44 U         117.48-0       DI-N-OCTYLPHTHALATE       ug/l       0.8 U       0.506 U       18.8       0.43 U         206-44-0       FLUORANTHENE       ug/l       0.8 U       0.506 U       18.8       0.43 U         86-73-7       FLUORANTHENE       ug/l       0.5 U       0.316 U       0.258 U       0.27 U         77-47-4	108-60-1	BIS(2-CHLOROISOPROPYL) ETHER	ug/l	0.34 U	0.215 U	0.175 U	0.18 U
105-60-2         CARPOLACTAM         ug/l         4 U         2.5 U         2.1 U         2.1 U         2.1 U           218-01-9         CHRYSENE         ug/l         0.44 U         0.278 U         5.5 J         0.23 U           218-01-9         CHRYSENE         ug/l         0.84 U         0.532 UJ         0.433 U         0.45 UJ           33-70-3         DIBENZ(A,H)ANTHRACENE         ug/l         0.48 U         0.532 UJ         0.433 U         0.45 UJ           84-66-2         DIETHYL PHTHALATE         ug/l         0.76 U         0.481 U         0.392 U         0.44 U           131-11-3         DIMETYL PHTHALATE         ug/l         0.44 U         0.278 U         0.227 U         0.23 U           84-74-2         DLN-BUTYL PHTHALATE         ug/l         0.44 U         0.278 U         0.27U U         0.23 U           206-44-0         FLUORANTHENE         ug/l         0.8 U         0.506 U         18.8         0.43 U           26-73-7         FLUORENE         ug/l         0.62 U         18         46.3         0.33 U           218-768-3         HEXACHLOROBUTADIENE         ug/l         0.36 U         0.316 U         0.228 U         0.27 U           193-39-5         INDENO(1.23-C.DJPYRENE <td>117-81-7</td> <td>BIS(2-ETHYLHEXYL) PHTHALATE</td> <td>ug/l</td> <td>0.32 U</td> <td>0.203 U</td> <td>0.165 U</td> <td>0.17 U</td>	117-81-7	BIS(2-ETHYLHEXYL) PHTHALATE	ug/l	0.32 U	0.203 U	0.165 U	0.17 U
86.74.8       CARBAZOLE       ug/l       0.44 U       0.278 U       5.5 J       0.23 U         18-01-9       CHRYSENE       ug/l       0.36 U       0.228 U       14.6 6       0.19 U         53-70-3       DIBENZ(A,H)ANTHRACENE       ug/l       0.84 U       0.532 UJ       0.433 U       0.45 UJ         132-64-9       DIBENZOFURAN       ug/l       0.48 U       0.304 U       6.3 J       0.26 U         84-66-2       DIETHYL PHTHALATE       ug/l       0.76 U       0.481 U       0.392 U       0.4 U         131-11-3       DIMETHYL PHTHALATE       ug/l       0.44 U       0.278 U       0.227 U       0.23 U         84-74-2       DI-N-BUTYL PHTHALATE       ug/l       4 U       2.5 U       2.1 U       2.1 U         206-44.0       FLUORANTHENE       ug/l       0.8 U       0.506 U       18.8       0.43 U         86.73-7       FLUORENE       ug/l       0.62 U       18       46.3       0.33 U         118-74-1       HEXACHLOROBUZENE       ug/l       0.5 U       0.316 U       0.258 U       0.27 U         77-44       HEXACHLOROBUZENE       ug/l       0.48 U       0.304 UJ       0.247 U       0.26 UJ         77-2-1       HEXACHLOR	105-60-2	CAPROLACTAM	ug/l	4 U	2.5 U	2.1 U	2.1 U
218-01-9       CHRYSENE       ug/1       0.36 U       0.228 U       14.6       0.19 U         53-70-3       DIBENZ(A,H)ANTHRACENE       ug/1       0.84 U       0.532 UJ       0.433 U       0.45 UJ         53-70-3       DIBENZOFURAN       ug/1       0.48 U       0.304 U       6.3 J       0.26 U         84-66-2       DIETHYL PHTHALATE       ug/1       0.76 U       0.481 U       0.392 U       0.4 U         131-11-3       DIMETHYL PHTHALATE       ug/1       0.44 U       0.25 U       2.1 U       2.1 U         131-11-3       DIN-SUTYL PHTHALATE       ug/1       1 U       0.646 U       0.526 U       0.54 U         206-44-0       FLUORANTHENE       ug/1       0.8 U       0.506 U       18.8       0.43 U         206-44-0       FLUORANTHENE       ug/1       0.62 U       18       46.3       0.33 U         118-74-1       HEXACHLOROBENZENE       ug/1       0.50 U       0.316 U       0.258 U       0.27 U         18-74-4       HEXACHLOROBUTADIENE       ug/1       0.5 U       0.316 U       0.258 U       0.27 U         18-74-1       HEXACHLOROCYCLOPENTADIENE       ug/1       0.5 U       0.316 U       0.258 U       0.27 U         7-74-7	86-74-8	CARBAZULE	ug/I	0.44 U	0.278 U	5.5 J	0.23 U
5.3-0.3       DIBENZA, HJANTHRACENE       ug/l       0.84 U       0.532 UJ       0.43 U       0.45 U         84-66-2       DIETHYL PHTHALATE       ug/l       0.76 U       0.481 U       0.392 U       0.4 U         84-66-2       DIETHYL PHTHALATE       ug/l       0.76 U       0.481 U       0.392 U       0.4 U         84-74-2       DI-N-OCTYLPHTHALATE       ug/l       0.44 U       0.278 U       0.227 U       0.23 U         117-84-0       DI-N-OCTYLPHTHALATE       ug/l       1 U       0.646 U       0.526 U       0.54 U         206-44-0       FLUORANTHENE       ug/l       1 U       0.646 U       0.526 U       0.54 U         206-44-0       FLUORANTHENE       ug/l       0.8 U       0.506 U       18.8       0.43 U         86-73-7       FLUORENE       ug/l       0.36 U       0.228 U       0.186 U       0.19 U         87-88-3       HEXACHLOROBUTADIENE       ug/l       0.5 U       0.316 U       0.258 U       0.27 U         77-47-4       HEXACHLOROBUTADIENE       ug/l       0.5 U       0.316 U       0.258 U       0.27 U         97-39-1       IDOPHONE       ug/l       0.5 U       0.316 U       0.258 U       0.27 U         98-95-3<	218-01-9	CHRYSENE	ug/l	0.36 U	0.228 U	14.6	0.19 U
132-64-9       DIBENZOFURAN       ug/l       0.48 U       0.304 U       6.3 J       0.26 U         84-66-2       DIETHYL PHTHALATE       ug/l       0.76 U       0.481 U       0.392 U       0.4 U         84-66-2       DIETHYL PHTHALATE       ug/l       0.76 U       0.278 U       0.227 U       0.23 U         84-74-2       DI-N-BUTYL PHTHALATE       ug/l       4 U       2.5 U       2.1 U       2.1 U         117-84-0       DI-N-OCTYLPHTHALATE       ug/l       0.8 U       0.506 U       18.8       0.43 U         206-44-0       FLUORANTHENE       ug/l       0.62 U       18       46.3       0.33 U         86-73-7       FLUORENE       ug/l       0.62 U       18       46.3       0.33 U         118-74-1       HEXACHLOROBENZENE       ug/l       0.36 U       0.248 U       0.186 U       0.19 U         87-68-3       HEXACHLOROBUTADIENE       ug/l       0.48 U       0.304 UJ       0.247 U       0.26 UJ         97-74-4       HEXACHLOROCETHANE       ug/l       0.5 U       0.316 U       0.239 U       0.32 U         97-92-1       HEXACHLOROBETZENE       ug/l       0.5 U       0.316 U       0.309 U       0.32 U         97-93-5	53-70-3	DIBENZ(A,H)ANTHRACENE	ug/l	0.84 U	0.532 UJ	0.433 U	0.45 UJ
84-66-2         DIETHYL PHTHALATE         ug/l         0.76 U         0.481 U         0.392 U         0.4 U           131-11-3         DIMETHYL PHTHALATE         ug/l         0.44 U         0.278 U         0.227 U         0.233 U           84-74-2         DLN-BUTYL PHTHALATE         ug/l         4 U         2.5 U         2.1 U         2.1 U           117-84-0         DI-N-OCTYLPHTHALATE         ug/l         1 U         0.646 U         0.526 U         0.54 U           206-44-0         FLUORANTHENE         ug/l         0.8 U         0.506 U         18.8         0.43 U           86-73-7         FLUORENE         ug/l         0.62 U         18         46.3         0.33 U           118-74-1         HEXACHLOROBUTADIENE         ug/l         0.36 U         0.228 U         0.186 U         0.19 U           87-68-3         HEXACHLOROBUTADIENE         ug/l         0.36 U         0.304 UJ         0.247 U         0.26 UJ           97-72-1         HEXACHLOROBUTADIENE         ug/l         0.5 U         0.316 U         0.258 U         0.27 U           93-39-5         INDENO(1.2,3-C,D)PYRENE         ug/l         0.6 U         0.38 U         0.309 U         0.32 U           91-30-3         NAPHTHALENE	132-64-9	DIBENZOFURAN	ug/l	0.48 U	0.304 U	6.3 J	0.26 U
131-11-3       DIMETHYL PHTHALATE       ug/l       0.44 U       0.278 U       0.227 U       0.23 U         84-74-2       DI-N-BUTYL PHTHALATE       ug/l       4 U       2.5 U       2.1 U       2.1 U         117-84-0       DI-N-COTYLPHTHALATE       ug/l       1 U       0.646 U       0.526 U       0.54 U         206-44-0       FLUORANTHENE       ug/l       0.8 U       0.506 U       18.8       0.43 U         86-73-7       FLUORENE       ug/l       0.62 U       18       46.3       0.33 U         86-73-7       FLUORENE       ug/l       0.50 U       0.228 U       0.186 U       0.19 U         87-68-3       HEXACHLOROBUTADIENE       ug/l       0.51 U       0.316 U       0.228 U       0.27 U         77-47-4       HEXACHLOROCYCLOPENTADIENE       ug/l       0.48 U       0.304 UJ       0.247 U       0.26 UJ         67-72.1       HEXACHLORONETHANE       ug/l       0.48 U       0.304 UJ       0.258 U       0.27 U         93-39-5       INDENO(1,2,3-C,D)PYRENE       ug/l       0.3 U       0.19 UJ       0.155 U       0.16 UJ         98-53       NTROBENZENE       ug/l       0.24 U       240 J       1600       0.13 U         98-95-3 <td>84-66-2</td> <td>DIETHYL PHTHALATE</td> <td>ug/l</td> <td>0.76 U</td> <td>0.481 U</td> <td>0.392 U</td> <td>0.4 U</td>	84-66-2	DIETHYL PHTHALATE	ug/l	0.76 U	0.481 U	0.392 U	0.4 U
84-74-2       DI-N-BUTYL PHTHALATE       ug/l       4 U       2.5 U       2.1 U       2.1 U         117.84-0       DI-N-OCTYLPHTHALATE       ug/l       1 U       0.646 U       0.526 U       0.54 U         206-44-0       FLUORANTHENE       ug/l       0.8 U       0.506 U       18.8       0.43 U         86-73-7       FLUORENE       ug/l       0.62 U       18       46.3       0.33 U         118-74-1       HEXACHLOROBENZENE       ug/l       0.62 U       18       46.3       0.33 U         97-86-3       HEXACHLOROBUTADIENE       ug/l       0.50 U       0.316 U       0.258 U       0.27 U         77-47-4       HEXACHLOROCYCLOPENTADIENE       ug/l       0.5 U       0.316 U       0.258 U       0.27 U         97-72-1       HEXACHLOROCYCLOPENTADIENE       ug/l       0.5 U       0.316 U       0.258 U       0.27 U         913-39-5       INDENO(1,2,3-C,D)PYRENE       ug/l       0.3 U       0.19 UJ       0.155 U       0.16 UJ         78-59-1       ISOPHORONE       ug/l       0.4 U       0.38 U       0.309 U       0.32 U         98-95-3       NITROSODI-N-PROPYLAMINE       ug/l       1.4 U       0.861 U       0.701 U       0.72 U <t< td=""><td>131-11-3</td><td>DIMETHYL PHTHALATE</td><td>ug/l</td><td>0.44 U</td><td>0.278 U</td><td>0.227 U</td><td>0.23 U</td></t<>	131-11-3	DIMETHYL PHTHALATE	ug/l	0.44 U	0.278 U	0.227 U	0.23 U
117.84-0       DI-N-OCTYLPHTHALATE       ug/l       1 U       0.646 U       0.526 U       0.54 U         206.44-0       FLUORANTHENE       ug/l       0.8 U       0.506 U       18.8       0.43 U         206.44-0       FLUORANTHENE       ug/l       0.62 U       18       46.3       0.33 U         86-73-7       FLUORENE       ug/l       0.62 U       18       46.3       0.33 U         118-74-1       HEXACHLOROBENZENE       ug/l       0.36 U       0.228 U       0.186 U       0.19 U         87-68-3       HEXACHLOROBUTADIENE       ug/l       0.55 U       0.316 U       0.258 U       0.27 U         77-4-4       HEXACHLOROCYCLOPENTADIENE       ug/l       0.48 U       0.304 UJ       0.247 U       0.26 UJ         67-72-1       HEXACHLOROETHANE       ug/l       0.5 U       0.316 U       0.258 U       0.27 U         193-39-5       INDENO(1,2,3-C,D)PYRENE       ug/l       0.3 U       0.19 UJ       0.155 U       0.16 UJ         78-59-1       ISOPHORONE       ug/l       0.24 U       240 J       1600       0.13 U         98-95-3       NITROBENZENE       ug/l       1.4 U       0.861 U       0.206 U       0.21 U         86-30-6	84-74-2	DI-N-BUTYL PHTHALATE	ug/l	4 U	2.5 U	2.1 U	2.1 U
20644-0         FLUORANTHENE         ug/l         0.8 U         0.050 U         18.8         0.43 U           86-73-7         FLUORENE         ug/l         0.62 U         18         46.3         0.33 U           118-74-1         HEXACHLOROBENZENE         ug/l         0.36 U         0.228 U         0.186 U         0.19 U           87-68-3         HEXACHLOROBUTADIENE         ug/l         0.5 U         0.316 U         0.258 U         0.27 U           77-47-4         HEXACHLOROCYCLOPENTADIENE         ug/l         0.48 U         0.304 UJ         0.247 U         0.26 UJ           93-39-5         INDENO(1,2,3-C,D)PYRENE         ug/l         0.5 U         0.316 U         0.238 U         0.27 U           193-39-5.1         ISOPHORONE         ug/l         0.5 U         0.316 U         0.258 U         0.27 U           193-39-5.3         INTROBENZENE         ug/l         0.4 U         0.316 U         0.309 U         0.32 U           98-95.3         NITROBENZENE         ug/l         0.24 U         240 J         1600         0.21 U           86-30-6         N-NITROSODIP-N-PROPYLAMINE         ug/l         0.4 U         0.253 U         0.206 U         0.21 U      87-86-5         PENTACHLOROPHENOL         u	117-84-0	DI-N-OCTYLPHTHALATE	ug/l	1 U	0.646 U	0.526 U	0.54 U
86-73-7         FLUORENE         ug/l         0.62 U         18         46.3         0.33 U           118-74-1         HEXACHLOROBENZENE         ug/l         0.36 U         0.228 U         0.186 U         0.19 U           87-68-3         HEXACHLOROBUTADIENE         ug/l         0.5 U         0.316 U         0.228 U         0.18 U         0.27 U           97-47-4         HEXACHLOROCYCLOPENTADIENE         ug/l         0.48 U         0.304 UJ         0.247 U         0.26 UJ           67-72-1         HEXACHLOROETHANE         ug/l         0.48 U         0.316 U         0.258 U         0.27 U           193-39-5         INDENO(1,2,3-C,D)PYRENE         ug/l         0.5 U         0.316 U         0.258 U         0.27 U           193-39-5         INDENO(1,2,3-C,D)PYRENE         ug/l         0.5 U         0.316 U         0.258 U         0.27 U           193-39-5         INDENO(1,2,3-C,D)PYRENE         ug/l         0.3 U         0.19 UJ         0.155 U         0.16 UJ           78-59-1         ISOPHORONE         ug/l         0.24 U         240 J         1600         0.13 U           98-53         NITROBENZENE         ug/l         1.4 U         0.861 U         0.701 U         0.72 U           621-64-7	206-44-0	FLUORANTHENE	ug/l	0.8 U	0.506 U	18.8	0.43 U
118-74-1       HEXACHLOROBENZENE       ug/l       0.36 U       0.228 U       0.186 U       0.19 U         87-68-3       HEXACHLOROBUTADIENE       ug/l       0.5 U       0.316 U       0.228 U       0.27 U         87-68-3       HEXACHLOROCYCLOPENTADIENE       ug/l       0.48 U       0.304 UJ       0.247 U       0.26 UJ         67-72-1       HEXACHLOROCYCLOPENTADIENE       ug/l       0.5 U       0.316 U       0.258 U       0.27 U         193-39-5       INDENO(1,2,3-C,D)PYRENE       ug/l       0.5 U       0.316 U       0.258 U       0.27 U         193-39-5       INDENO(1,2,3-C,D)PYRENE       ug/l       0.3 U       0.19 UJ       0.155 U       0.16 UJ         78-59-1       ISOPHORONE       ug/l       0.6 U       0.38 U       0.309 U       0.32 U         91-20.3       NAPHTHALENE       ug/l       0.24 U       240 J       1600       0.13 U         98-95-3       NITROSODI-N-PROPYLAMINE       ug/l       1.4 U       0.861 U       0.701 U       0.72 U         621-64-7       N-NITROSODI-N-PROPYLAMINE       ug/l       1.4 U       0.253 U       0.206 U       0.21 U         86-30-6       N-NITROSODIPHENYLAMINE       ug/l       1.2 U       0.759 U       0.619 U	86-73-7	FLUORENE	ug/l	0.62 U	18	46.3	0.33 U
87-68-3         HEXACHLOROBUTADIENE         ug/l         0.5 U         0.316 U         0.258 U         0.27 U           77-47-4         HEXACHLOROCYCLOPENTADIENE         ug/l         0.48 U         0.304 UJ         0.247 U         0.26 UJ           77-47-4         HEXACHLOROCYCLOPENTADIENE         ug/l         0.48 U         0.304 UJ         0.278 U         0.26 UJ           193-39-5         INDENO(1,2,3-C,D)PYRENE         ug/l         0.5 U         0.316 U         0.258 U         0.27 U           193-39-5         INDENO(1,2,3-C,D)PYRENE         ug/l         0.3 U         0.19 UJ         0.155 U         0.16 UJ           78-59-1         ISOPHORONE         ug/l         0.6 U         0.38 U         0.309 U         0.32 U           91-20-3         NAPHTHALENE         ug/l         0.24 U         240 J         1600         0.13 U           98-95-3         NITROBENZENE         ug/l         0.4 U         0.861 U         0.701 U         0.72 U           621-64-7         N-NITROSODI-N-PROPYLAMINE         ug/l         0.4 U         0.253 U         0.206 U         0.21 U           86-30-6         N-NITROSODIPHENYLAMINE         ug/l         1.2 U         0.759 U         0.619 U         0.64 U           87-86-5	118-74-1	HEXACHLOROBENZENE	ug/l	0.36 U	0.228 U	0.186 U	0.19 U
77-47-4         HEXACHLOROCYCLOPENTADIENE         ug/l         0.48 U         0.304 UJ         0.247 U         0.26 UJ           67-72-1         HEXACHLOROETHANE         ug/l         0.5 U         0.316 U         0.258 U         0.27 U           193-39-5         INDENO(1,2,3-C,D)PYRENE         ug/l         0.3 U         0.19 UJ         0.155 U         0.16 UJ           78-59-1         ISOPHORONE         ug/l         0.6 U         0.38 U         0.309 U         0.32 U           91-20-3         NAPHTHALENE         ug/l         0.24 U         240 J         1600         0.13 U           98-95-3         NITROBENZENE         ug/l         1.4 U         0.861 U         0.701 U         0.72 U           621-64-7         N-NITROSODI-N-PROPYLAMINE         ug/l         0.4 U         0.253 U         0.206 U         0.21 U           86-30-6         N-NITROSODIPHENYLAMINE         ug/l         1.2 U         0.759 U         0.619 U         0.64 U           87-85-5         PENTACHLOROPHENOL         ug/l         3.4 UJ         2.2 UJ         1.8 UJ         1.8 UJ           85-01-8         PHENANTHRENE         ug/l         0.52 U         21.2         110         0.28 U           108-95-2         PHENOL	87-68-3	HEXACHLOROBUTADIENE	ug/l	0.5 U	0.316 U	0.258 U	0.27 U
67-72-1         HEXACHLOROETHANE         ug/l         0.5 U         0.316 U         0.258 U         0.27 U           193.39-5         INDENO(1,2,3-C,D)PYRENE         ug/l         0.3 U         0.19 UJ         0.155 U         0.16 UJ           78-59-1         ISOPHORONE         ug/l         0.6 U         0.38 U         0.39 U         0.32 U           91-20-3         NAPHTHALENE         ug/l         0.24 U         240 J         1600         0.13 U           98-95-3         NITROBENZENE         ug/l         1.4 U         0.861 U         0.701 U         0.72 U           621-64-7         N-NITROSODI-N-PROPYLAMINE         ug/l         0.4 U         0.253 U         0.206 U         0.21 U           87-30-6         N-NITROSODI-N-PROPYLAMINE         ug/l         1.2 U         0.759 U         0.619 U         0.64 U           87-86-5         PENTACHLOROPHENOL         ug/l         3.4 UJ         2.2 UJ         1.8 UJ         1.8 UJ           85-01-8         PHENANTHRENE         ug/l         0.52 U         21.2         110         0.28 U           108-95-2         PHENOL         ug/l         0.42 U         0.266 U         0.216 U         0.22 U           129-00-0         PYRENE         ug/l	77-47-4	HEXACHLOROCYCLOPENTADIENE	ug/l	0.48 U	0.304 UJ	0.247 U	0.26 UJ
193-39-5         INDENO(1,2,3-C,D)PYRENE         ug/l         0.3 U         0.19 UJ         0.155 U         0.16 UJ           78-59-1         ISOPHORONE         ug/l         0.6 U         0.38 U         0.309 U         0.32 U           91-20-3         NAPHTHALENE         ug/l         0.24 U         240 J         1600         0.13 U           98-95-3         NITROBENZENE         ug/l         1.4 U         0.861 U         0.701 U         0.72 U           621-64-7         N-NITROSODI-N-PROPYLAMINE         ug/l         0.4 U         0.253 U         0.206 U         0.21 U           86-30-6         N-NITROSODIPHENYLAMINE         ug/l         1.2 U         0.759 U         0.619 U         0.64 U           87-65         PENTACHLOROPHENOL         ug/l         3.4 UJ         2.2 UJ         1.8 UJ         1.8 UJ           85-01-8         PHENANTHRENE         ug/l         0.52 U         21.2         110         0.28 U           108-95-2         PHENOL         ug/l         0.4 U         0.266 U         0.216 U         0.22 U           129-00-0         PYRENE         ug/l         0.4 U         0.253 U         37         0.21 U	67-72-1	HEXACHLOROETHANE	ug/l	0.5 U	0.316 U	0.258 U	0.27 U
78-59-1         ISOPHORONE         ug/l         0.6 U         0.38 U         0.309 U         0.32 U           91-20-3         NAPHTHALENE         ug/l         0.24 U         240 J         1600         0.13 U           98-95-3         NITROBENZENE         ug/l         1.4 U         0.861 U         0.701 U         0.72 U           621-64-7         N-NITROSODI-N-PROPYLAMINE         ug/l         0.4 U         0.253 U         0.206 U         0.21 U           86-30-6         N-NITROSODIPHENYLAMINE         ug/l         1.2 U         0.759 U         0.619 U         0.64 U           87-86-5         PENTACHLOROPHENOL         ug/l         3.4 UJ         2.2 UJ         1.8 UJ         1.8 UJ           85-01-8         PHENANTHRENE         ug/l         0.42 U         0.266 U         0.216 U         0.28 U           108-95-2         PHENOL         ug/l         0.42 U         0.266 U         0.28 U         0.28 U           129-00-0         PYRENE         ug/l         0.42 U         0.266 U         0.216 U         0.22 U	193-39-5	INDENO(1,2,3-C,D)PYRENE	ug/l	0.3 U	0.19 UJ	0.155 U	0.16 UJ
91-20-3         NAPHTHALENE         ug/l         0.24 U         240 J         1600         0.13 U           98-95-3         NITROBENZENE         ug/l         1.4 U         0.861 U         0.701 U         0.72 U           621-64-7         N-NITROSODI-N-PROPYLAMINE         ug/l         0.4 U         0.253 U         0.206 U         0.21 U           86-30-6         N-NITROSODIPHENYLAMINE         ug/l         1.2 U         0.759 U         0.619 U         0.64 U           87-86-5         PENTACHLOROPHENOL         ug/l         3.4 UJ         2.2 UJ         1.8 UJ         1.8 UJ           85-01-8         PHENANTHRENE         ug/l         0.52 U         21.2         110         0.28 U           108-95-2         PHENOL         ug/l         0.42 U         0.266 U         0.216 U         0.22 UJ           129-00-0         PYRENE         ug/l         0.4 U         0.253 U         37         0.21 U	78-59-1	ISOPHORONE	ug/l	0.6 U	0.38 U	0.309 U	0.32 U
98-95-3         NITROBENZENE         ug/l         1.4 U         0.861 U         0.701 U         0.72 U           621-64-7         N-NITROSODI-N-PROPYLAMINE         ug/l         0.4 U         0.253 U         0.206 U         0.21 U           86-30-6         N-NITROSODIPHENYLAMINE         ug/l         1.2 U         0.79 U         0.619 U         0.64 U           87-86-5         PENTACHLOROPHENOL         ug/l         3.4 UJ         2.2 UJ         1.8 UJ         1.8 UJ           85-01-8         PHENANTHRENE         ug/l         0.52 U         21.2         110         0.28 U           108-95-2         PHENOL         ug/l         0.42 U         0.266 U         0.216 U         0.22 UJ           129-00-0         PYRENE         ug/l         0.42 U         0.266 U         3.7         0.21 U	91-20-3	NAPHTHALENE	ug/l	0.24 U	240 J	1600	0.13 U
621-64-7         N-NITROSODI-N-PROPYLAMINE         ug/l         0.4 U         0.253 U         0.206 U         0.21 U           86-30-6         N-NITROSODIPHENYLAMINE         ug/l         1.2 U         0.759 U         0.619 U         0.64 U           87-86-5         PENTACHLOROPHENOL         ug/l         3.4 UJ         2.2 UJ         1.8 UJ         1.8 UJ           85-01-8         PHENANTHRENE         ug/l         0.52 U         21.2         110         0.28 U           108-95-2         PHENOL         ug/l         0.42 U         0.266 U         0.216 U         0.22 UJ           129-00-0         PYRENE         ug/l         0.4 U         0.253 U         37         0.21 U	98-95-3	NITROBENZENE	ug/l	1.4 U	0.861 U	0.701 U	0.72 U
86-30-6         N-NITROSODIPHENYLAMINE         ug/l         1.2 U         0.759 U         0.619 U         0.64 U           87-86-5         PENTACHLOROPHENOL         ug/l         3.4 UJ         2.2 UJ         1.8 UJ         1.8 UJ           85-01-8         PHENANTHRENE         ug/l         0.52 U         21.2         110         0.28 U           108-95-2         PHENOL         ug/l         0.42 U         0.266 U         0.216 U         0.22 U           129-00-0         PYRENE         ug/l         0.4 U         0.253 U         37         0.21 U	621-64-7	N-NITROSODI-N-PROPYLAMINE	ug/l	0.4 U	0.253 U	0.206 U	0.21 U
87-86-5         PENTACHLOROPHENOL         ug/l         3.4 UJ         2.2 UJ         1.8 UJ         1.8 UJ           85-01-8         PHENANTHRENE         ug/l         0.52 U         21.2         110         0.28 U           108-95-2         PHENOL         ug/l         0.42 U         0.266 U         0.216 U         0.22 U           129-00-0         PYRENE         ug/l         0.4 U         0.253 U         37         0.21 U	86-30-6	N-NITROSODIPHENYLAMINE	ug/l	1.2 U	0.759 U	0.619 U	0.64 U
85-01-8         PHENANTHRENE         ug/l         0.52 U         21.2         110         0.28 U           108-95-2         PHENOL         ug/l         0.42 U         0.266 U         0.216 U         0.22 U           129-00-0         PYRENE         ug/l         0.4 U         0.253 U         37         0.21 U	87-86-5	PENTACHLOROPHENOL	ug/l	3.4 UJ	2.2 UJ	1.8 UJ	1.8 UJ
108-95-2         PHENOL         ug/l         0.42 U         0.266 U         0.216 U         0.22 U           129-00-0         PYRENE         ug/l         0.4 U         0.253 U         37         0.21 U	85-01-8	PHENANTHRENE	ug/l	0.52 U	21.2	110	0.28 U
129-00-0 PYRENE ug/1 0.4 U 0.253 U 37 0.21 U	108-95-2	PHENOL	ug/l	0.42 U	0.266 U	0.216 U	0.22 U
	129-00-0	PYRENE	ug/l	0.4 U	0.253 U	37	0.21 U
Consolidated E	Edison	Location ID:	MW-4	MW-5	MW-7	MW-9	
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Ludlow Street Site		Sample ID:	MW-4-20130408	MW-5-20130405	MW-7-20130404	MW-9-20130405	
Validated Crowndwater Analytical Data		Lab Sample Id:	F1768-06	F1768-03	F1768-12	F1768-01	
SDC: E1768	indwater Anarytear Data	Source:	CTECH	CTECH	CTECH	CTECH	
3DG. E1708		Source.	E1769	E1769	E1769	E1769	
		SDG. Motrivi	E1700 WATED	E1700 WATED	E1700 WATED	E1/00 WATED	
			WATER 4/9/2012 0 40	WATER 4/5/2012 14 10	WATER 4/4/2012 12 22	WATER 4/5/2012 10 25	
		Sampled:	4/8/2013 8:40	4/5/2013 14:10	4/4/2013 12:32	4/5/2013 10:35	
CARNO	COMPOUND	Validated:	4/30/2013	4/30/2013	4/30/2013	4/30/2013	
CAS NO.	COMPOUND TOTAL METALS	UNITS:					
7420 00 5	ALUMINUM		22100 I	550 I	244 1	01.0 I	
7429-90-3	ANTIMONY	ug/I	52100 J 8 U	12.1 J	244 J 9 II	91.9 J 0 II	
7440-30-0	ADDEDUC	ug/1	8 U 40	12.1 J	8 U	0.05 I	
7440-36-2	DADUM	ug/1	40	4.4 J	4.2 0	9.03 J	
7440-39-3	BARIUM DEDX/LUD/	ug/1	525 1.02 J	910	192	580 0.7.11	
7440-41-7	BERYLLIUM	ug/I	1.23 J	0.7 U	0.7 U	0.7 U	
7440-43-9	CADMIUM	ug/l	1.3 J	2.2 J	K	K	
/440-/0-2	CALCIUM	ug/l	116000 J	267000 J	123000 J	196000 J	
/440-47-3	CHROMIUM, TOTAL	ug/l	113 J	1.1 UJ	7.73 J	1.1 UJ	
/440-48-4	COBALT	ug/l	25.1 J	5.8 UJ	5.8 UJ	5.8 UJ	
7440-50-8	COPPER	ug/l	205 J	5.86 J	2.06 J	2 UJ	
7439-89-6	IRON	ug/l	55300	4550	1300	11300	
7439-92-1	LEAD	ug/l	1200 J	232 J	2.6 UJ	2.6 UJ	
7439-95-4	MAGNESIUM	ug/l	24500 J	59800 J	42200 J	77600 J	
7439-96-5	MANGANESE	ug/l	1210 J	1580 J	688 J	3240 J	
7439-97-6	MERCURY	ug/l	20.182	0.092 U	0.092 U	0.092 U	
7440-02-0	NICKEL	ug/l	112 J	4.2 UJ	9 J	4.2 UJ	
7440-09-7	POTASSIUM	ug/l	11800	93500	26900	15100	
7782-49-2	SELENIUM	ug/l	16.1	4.8 U	4.8 U	4.8 U	
7440-22-4	SILVER	ug/l	1.5 UJ	1.5 UJ	1.5 UJ	1.5 UJ	
7440-23-5	SODIUM	ug/l	712000 J	32700000 J	2230000 J	1210000 J	
7440-28-0	THALLIUM	ug/l	4.02 J	2.4 UJ	2.4 UJ	3.46 J	
7440-62-2	VANADIUM	ug/l	77.8 J	6.1 UJ	6.1 UJ	6.1 UJ	
7440-66-6	ZINC	ug/l	715 J	46.8 J	10.3 J	6.5 UJ	
	DISSOLVED METALS						
7429-90-5	ALUMINUM	ug/l	17.1 J				
7440-36-0	ANTIMONY	ug/l	9.22 J				
7440-38-2	ARSENIC	ug/l	6 J				
7440-39-3	BARIUM	ug/l	243				
7440-41-7	BERYLLIUM	ug/l	0.7 U				
7440-43-9	CADMIUM	ug/l	R				
7440-70-2	CALCIUM	110/1	143000 I				
7440-47-3	CHROMIUM TOTAL	ug/1	7 84 J				
7440-48-4	COBALT	ug/1	58 UI				
7440-50-8	COPPER	ug/1	55.2 I				
7430 80 6	IPON	ug/I	50.2 J				
7439-89-0	LEAD	ug/I	2 20 I				
7439-92-1	MACNESHIM	ug/I	21200 J				
7439-93-4	MADINESIUM	ug/I	21200 J 499 J				
7439-90-3	MEDCUDV	ug/I	488 J				
7439-97-0	NICKEL	ug/1	0.092 U				
7440-02-0	NUCKEL DOTA SSUDA	ug/1	10.2 J				
7440-09-7	PUTASSIUM CELENIUM	ug/I	8920				
//82-49-2	SELENIUM	ug/I	16.2				
/440-22-4	SILVER	ug/l	1.5 UJ				
/440-23-5	SODIUM	ug/l	753000 J				
7440-28-0	THALLIUM	ug/l	2.4 UJ				
7440-62-2	VANADIUM	ug/l	6.1 UJ				
7440-66-6	ZINC	ug/l	37.6 J				
1	OTHER						
57-12-5	CYANIDE	ug/l	126	174	145	3 J	

Ladiox Street Size         Sample ID: Validated Consolver Analytical Data         Sample ID: Lab Sample Id: Source: S	Consolidated Edison		Location ID:	FB040813	TRIPBLANK
Validated Groundwater Analytical Data         Lab Sample kits         ET 768-11         ET 768-11           SDC: E1768         Source:         CTECH         CTECH         ET768           Marrit:         WATER         WATER         WATER         VAUATURS           CAS NO.         COMPOUND         UNITS:         4/30/2013         4/42/2013         9/00           T-555         1,1,1-TRCHLOROETHANE         ug1         0.4 <td colspan="2">Ludlow Street Site</td> <td>Sample ID:</td> <td>FB040813-20130408</td> <td>TBLANK-20130404</td>	Ludlow Street Site		Sample ID:	FB040813-20130408	TBLANK-20130404
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	Validated Groundwater Analytical Data			E1768-10	E1768-11
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	SDG: E1768	SDG: E1768		CTECH	CTECH
Matrix:         WATER         WATER         WATER           Sampleit:         4/32013 10:00         4/302013         4/302013           CAS NO.         COMPOUND         UNTE:         4/302013         4/302013           Total Compound         UNTS:         9/1         0.4 U         0.4 U           75-56         1,1,2-TRICHLOROETHANE         9/2         0.4 S         U         0.4 U           76-13-1         1,1,2-TRICHLOROETHANE         9/2         0.6 S         0.3 G         0.3 G         0.4 SU         0.3 SU <t< td=""><td></td><td></td><td>SDG:</td><td>E1768</td><td>E1768</td></t<>			SDG:	E1768	E1768
Samplet:         48/2013/1000         44/2013/900         44/2013/900           CAS NO.         COMPOUND         UNITS:         4/30/2013         4/30/2013           T1-55-6         I.,1-TRICHLOROETHANE         ug1         0.4 U         0.4 U           73-45.5         I.,1.2-TRICHLOROETHANE         ug1         0.3 U         0.33 U         0.33 U           75-34.3         I.,1.2-TRICHLOROETHANE         ug1         0.45 U         0.45 U         0.47 U           75-35.4         I.,1.DICHLOROETHANE         ug1         0.3 U         0.33 U         0.33 U           75-35.4         I.,1.DICHLOROETHANE         ug1         0.2 U         0.2 U         0.2 U           96-12.8         I.2.JTRICHOROBENZENE         ug1         0.4 U         0.44 U         0.44 U           95-0-1         I.2.DICHLOROERNZENE         ug1         0.44 U         0.44 U         0.44 U           95-75         I.2.DICHLOROENZENE         ug1         0.45 U         0.45 U         0.45 U           91-76-62         I.2.DICHLOROENZENE         ug1         0.43 U         0.44 U         0.44 U           91-76-62         I.2.DICHLOROENZENE         ug1         0.41 U         0.44 U         0.44 U           91-76-762         I.2			Matrix:	WATER	WATER
Valiated:         4/302013         4/302013           CASNO.         COMPOUND         UNTS:			Sampled:	4/8/2013 10:00	4/4/2013 9:00
CAS NO.         COMPOUND         UNITS: $V$ T1-55-6         1.,1.TRCHLOROETHANE         ug1         0.4 U         0.4 U           73-34.5         1.,1.2.TRCHLOROETHANE         ug1         0.31 U         0.31 U           7613-1         1.1.2.TRCHLOROETHANE         ug1         0.35 U         0.38 U           753-4         1.1.2.TRCHLOROETHANE         ug1         0.36 U         0.36 U           753-4         1.1.DCHLOROETHANE         ug1         0.47 U         0.47 U           87-61-6         1.2.3.TRCHOROENZENE         ug1         0.4 U         0.44 U           96-12-8         1.2.DIBROMOTHANE (ETHYLEE DIBROMDE)         ug1         0.44 U         0.44 U           96-51-1         1.2.DIBROMOTHANE (ETHYLEE DIBROMDE)         ug1         0.44 U         0.44 U           97-66-2         1.2.DICHLOROENZENE         ug1         0.44 U         0.44 U           97-76-2         1.2.DICHLOROENZENE         ug1         0.45 U         0.45 U           91-78-6         2.DICHLOROENZENE         ug1         0.45 U         0.45 U           91-78-6         2.DICHLOROENZENE         ug1         0.5 U         0.5 U           71-43-2         DESEZENE         ug1         0.4 U			Validated:	4/30/2013	4/30/2013
VOLATURES         ug1         0.4         0.4         0.4         0.4         0.4         0.4         0.4         0.4         0.31         0.33         0.33         0.33         0.33         0.32         0.32         0.32         0.32         0.31 <th0.31< th=""> <th0.31< td=""><td>CAS NO.</td><td>COMPOUND</td><td>UNITS:</td><td></td><td></td></th0.31<></th0.31<>	CAS NO.	COMPOUND	UNITS:		
71-55-61,1,1-TRICHLOROETHANEug10.4 U0.4 U79-34-51,1,2-TRICHLOROETHANEug10.31 U0.31 U76-13-11,1,2-TRICHLOROETHANEug10.38 U0.38 U75-34-51,1-DICHLOROETHANEug10.36 U0.36 U75-35-41,1-DICHLOROETHANEug10.47 U0.47 U87-61-61,2.3-TRICHLOROEENZENEug10.2 U0.2 U96-12-81,2-DIRINOGENZENEug10.44 U0.44 U95-90-11,2-DIRINOGENZENEug10.44 U0.44 U95-90-11,2-DIRINOGENZENEug10.44 U0.44 U95-90-11,2-DICHLOROEENZENEug10.44 U0.44 U95-90-11,2-DICHLOROEENZENEug10.44 U0.44 U95-90-11,2-DICHLOROEENZENEug10.43 U0.44 U96-75-751,2-DICHLOROEENZENEug10.32 U0.32 U96-76-711,2-DICHLOROEENZENEug10.52 U0.32 U97-76-762.4EXANONEug10.52 U0.52 U97-75-78ROMOCHLOROEENZENEug10.5 UJ0.5 UJ71-43-2BENZENEug10.2 U0.2 U0.2 U72-74BROMOCHLOROMETHANEug10.2 U0.2 U0.2 U75-55CARBON DISULFIDEug10.47 U0.47 U75-50CARBON DISULFIDEug10.41 U0.41 U0.41 U75-53CARBON DISULFIDEug10.2 U0.2 U0.2 U75-54BROMOCHLO		VOLATILES			
79-34-5         1,1,2-TERCACHLOROETHANE         ug1         0.31 U         0.31 U           76-13-1         1,1,2-TERCLOROETHANE         ug1         0.45 U         0.45 U           75-03-5         1,1,2-TERCLOROETHANE         ug1         0.36 U         0.36 U           75-34-3         1,1-DICHLOROETHANE         ug1         0.2 U         0.2 U           75-34-3         1,1-DICHLOROETHANE         ug1         0.2 U         0.2 U           120-82-1         1,2-ATERCHLOROEEXZENE         ug1         0.46 U         0.46 U           96-12-8         1,2-DIEROROBEXZENE         ug1         0.44 U         0.44 U           106-93-4         1,2-DIEROROPANE         ug1         0.44 U         0.44 U           107-06-2         1,2-DICHLOROEROPANE         ug1         0.44 U         0.44 U           107-06-2         1,2-DICHLOROEROPANE         ug1         0.44 U         0.44 U           547-71         1,3-DICHLOROBEXZENE         ug1         0.44 U         0.44 U           541-73-1         1,3-DICHLOROBEXZENE         ug1         0.32 U         0.32 U           541-73-1         1,3-DICHLOROBEXZENE         ug1         0.42 U         0.2 U           542-2         AEXANONE         ug1         0	71-55-6	1,1,1-TRICHLOROETHANE	ug/l	0.4 U	0.4 U
76-13-1       1.1,2.TRICHLOROC=11ANE       ug1       0.45 U       0.45 U         75-34-3       1.1-DICHLOROETHANE       ug1       0.38 U       0.38 U         75-35-4       1.1-DICHLOROETHANE       ug1       0.47 U       0.47 U         87-36-6       1.2.3-TRICHLOROBENZENE       ug1       0.2 U       0.2 U       0.2 U         96-12-8       1.2-DIBROMO-3-CHLOROBENZENE       ug1       0.44 U       0.44 U       0.44 U         96-59-1       1.2-DICHLOROBENZENE       ug1       0.44 U       0.44 U       0.44 U         97-60-2       1.2-DICHLOROBENZENE       ug1       0.44 U       0.44 U       0.44 U         98-75       1.2-DICHLOROBENZENE       ug1       0.44 U       0.44 U       0.44 U         98-75       1.2-DICHLOROBENZENE       ug1       0.33 U       0.33 U       0.32 U         99-78-6       2-HEXANONE       ug1       0.5 UI       0.5 UJ       0.5 UJ         91-78-6       2-HEXANONE       ug1       0.2 U       0.2 U       0.2 U       0.2 U         91-78-6       2-HEXANONE       ug1       0.2 U	79-34-5	1,1,2,2-TETRACHLOROETHANE	ug/l	0.31 U	0.31 U
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	76-13-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	0.45 U	0.45 U
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	79-00-5	1,1,2-TRICHLOROETHANE	ug/l	0.38 U	0.38 U
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	75-34-3	1,1-DICHLOROETHANE	ug/l	0.36 U	0.36 U
N-10-10         L2-FIRCHLOROBENZENE         ug/l         0.2 U         0.2 U           96-12-8         1.2-DIBROMO-3-CHLOROFENZENE         ug/l         0.46 U         0.46 U           106-93-4         1.2-DIBROMO-3-CHLOROFENZENE         ug/l         0.44 U         0.45 U           107-06-2         1.2-DICHLOROBETHANE (ETHVLENE DIBROMIDE)         ug/l         0.48 U         0.45 U           107-06-2         1.2-DICHLOROBENZENE         ug/l         0.44 U         0.46 U           14.73-1         1.3-DICHLOROBENZENE         ug/l         0.43 U         0.43 U           106-46-7         1.4-DICHLOROBENZENE         ug/l         0.5 UJ         0.5 UJ           107-74-1         1.3-DICHLOROBENZENE         ug/l         0.5 UJ         0.5 UJ           107-74-1         ACETONE         ug/l         0.32 U         0.32 U           14.3-12         BENZENE         ug/l         0.32 U         0.32 U           14.3-2         BENZENE         ug/l         0.35 U         0.5 UJ           17.43-2         BENZENE         ug/l         0.47 U         0.42 UJ           12.327         BROMODICHLOROMETHANE         ug/l         0.2 U         0.2 U           12.4375         CABBON DISOLIDDE         ug/l	75-35-4	1,1-DICHLOROETHENE	ug/l	0.47 U	0.47 U
	87-61-6	1,2,3-1 RICHLOROBENZENE	ug/l	0.2 U	0.2 U
96-12-8         1.2-DIBROMON-3-CHLOROFYROPANE         ug/l         0.46 U         0.46 U           166-93-4         1.2-DICHLOROBENZENE         ug/l         0.45 U         0.45 U           107-06-2         1.2-DICHLOROBENZENE         ug/l         0.44 U         0.46 U           187-5         1.2-DICHLOROBENZENE         ug/l         0.43 U         0.46 U           106-46-7         1.4-DICHLOROBENZENE         ug/l         0.32 U         0.22 U           91-78-6         2-HEXANONE         ug/l         0.5 UJ         0.5 UJ           71-43         BENZENE         ug/l         0.5 UJ         0.5 UJ           71-43-2         BENZENE         ug/l         0.5 UJ         0.5 UJ         0.5 UJ           72-52-5         BROMODICHLOROMETHANE         ug/l         0.36 U         0.36 U           75-53-0         CARBON DETRACHORIDE         ug/l         0.47 U         0.47 U           0.890-7         CHROROBENZENE         ug/l         0.4 U         0.2 U           0.890-7         CHROROFM         ug/l         0.2 U         0.2 U           0.890-7         CHROROFNZENE         ug/l         0.2 U         0.2 U           0.890-7         CHROROFORM         ug/l         0.2 U	120-82-1	1,2,4-TRICHLOROBENZENE	ug/I	0.2 U	0.2 U
10e93-4         1.2-DIGHCONDERAZENE         ug1         0.41 U         0.41 U           95-30-1         1.2-DICHLOROBENZENE         ug1         0.48 U         0.48 U           107-06-2         1.2-DICHLOROPENANE         ug1         0.46 U         0.46 U           547-73-1         1.3-DICHLOROPENZENE         ug1         0.43 U         0.32 U           05-46-7         1.4-DICHLOROBENZENE         ug1         0.32 U         0.32 U           91-78-6         2.HEXANONE         ug1         0.32 U         0.32 U           91-78-5         BROMOCHLOROMETHANE         ug1         0.32 U         0.32 U           75-27-4         BROMOCHLOROMETHANE         ug1         0.36 U         0.36 U           75-27-5         BROMOGRIHARE         ug1         0.47 U         0.47 U           74-483-9         BROMOGRIHARE         ug1         0.47 U         0.47 U           74-483-9         BROMOMETHANE         ug1         0.49 U         0.2 U         0.2 U           108-90-7         CHLOROBENZENE         ug1         0.49 U         0.49 U         0.49 U           76-63         CHLOROBENZENE         ug1         0.41 U         0.44 U           108-90-7         CHLOROBENZENE         ug1	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	ug/I	0.46 U	0.46 U
32-50-1         1,2-DICHLOROBETHANE         ug1         0.4-5         0         0.4-3         0           107-06-2         1,2-DICHLOROPENANE         ug1         0.46         0         0.44         0           18-87-5         1,2-DICHLOROPENANE         ug1         0.43         0         0.43         0           106-46-7         1,4-DICHLOROBENZENE         ug1         0.32         0         0.32         0           171-43-2         BENZENE         ug1         0.5         0.1         0.5         0.1         0.5         0.1           174-97-5         BROMOCHLOROMETHANE         ug1         0.47         0.2         <	100-93-4	1,2-DIBROMUETHANE (ETHYLENE DIBROMIDE)	ug/1	0.41 U	0.41 U
ID-00-2         I_2-DICHLOROPROPANE         ug1         0.46 U         0.46 U           541-73-1         I_3-DICHLOROPROPANE         ug1         0.43 U         0.43 U           541-73-1         I_3-DICHLOROPENZENE         ug1         0.32 U         0.32 U           591-78-6         2-HEXANONE         ug1         0.5 UJ         0.5 UJ           67-64-1         ACETONE         ug1         0.32 U         0.32 U           71-43-2         BROMOCHLOROMETHANE         ug1         0.36 U         0.36 U           75-27-4         BROMOCHLOROMETHANE         ug1         0.36 U         0.36 U           75-27-5         BROMOCHLOROMETHANE         ug1         0.47 U         0.47 U           75-52-2         BROMOFOM         ug1         0.47 U         0.47 U           75-15-0         CARBON DISULTIDE         ug1         0.4 U         0.2 U           75-35         CARBON DISULTIDE         ug1         0.4 U         0.49 U           75-6-6-3         CHLOROBEZENE         ug1         0.42 U         0.2 U           108-90-7         CYLOROFTHANE         ug1         0.31 U         0.31 U           108-90-7         CYLOROFTHANE         ug1         0.2 U         0.2 U	107.06.2	1.2 DICHLOROBEINZEINE	ug/1	0.45 U	0.45 U
100073         1.2-DICHLOROBENZENE         ug1         0.43 U         0.43 U           1064-6-7         1.4-DICHLOROBENZENE         ug1         0.32 U         0.32 U         0.32 U           951-78.6         2-HEXANONE         ug1         0.5 UJ         0.5 UJ         0.5 UJ           1143-2         BENZENE         ug1         0.32 U         0.32 U         0.22 U           1247-7.4         RAGMONEHANE         ug1         0.2 U         0.2 U         0.2 U           75-7.4         BROMOCHLOROMETHANE         ug1         0.36 U         0.36 U         0.36 U           75-5.5         CARBON DISULFIDE         ug1         0.47 U         0.47 U         0.47 U           75-15.0         CARBON TERACHLORIDE         ug1         0.49 U         0.2 U         0.2 U           108-90-7         CHLOROBENZENE         ug1         0.49 U         0.49 U         0.49 U           75-0-3         CHLOROBETHANE         ug1         0.41 U         0.31 U         0.31 U           1061-01-5         CIS-1.3-DICHLOROPROPENE         ug1         0.31 U         0.31 U         0.31 U           1061-01-5         CIS-1.3-DICHLOROPROPENE         ug1         0.2 U         0.2 U         0.2 U         0.2 U         <	78 87 5	1.2 DICHLOROETHANE	ug/I	0.48 U 0.46 U	0.46 U
Display 1       Label (LOROBENZENE)       ug1       0.32 U       0.32 U         Sp178.6       2.HEXANONE       ug1       1.9 U       1.9 U         Sp178.6       2.HEXANONE       ug1       0.32 U       0.32 U         Sp178.6       2.HEXANONE       ug1       0.32 U       0.32 U         T1432.2       BENZENE       ug1       0.32 U       0.32 U         74-97.5       BROMOCHLOROMETHANE       ug1       0.32 U       0.22 U         75-27.4       BROMODICHLOROMETHANE       ug1       0.47 U       0.47 U         75-27.5       BROMODICHLOROMETHANE       ug1       0.2 U       0.2 UJ         74-83.9       BROMOMETHANE       ug1       0.2 U       0.2 UJ         108-90.7       CHLOROBENZENE       ug1       0.4 U       0.49 U         108-90.7       CHLOROBENZENE       ug1       0.2 U       0.2 U       0.2 U         108-90.7       CHLOROBENZENE       ug1       0.3 U       0.31 U       0.31 U         108-90.7       CHLOROBENZENE       ug1       0.3 U       0.31 U       0.31 U         106-01.5       CIS-1.2-DICHLOROPENE       ug1       0.3 U       0.31 U       0.31 U         1064-01.5       CIS-1.3-DICHLO	541 73 1	1.2 DICHLOROFROFANE	ug/I	0.40 U 0.43 U	0.40 U
100-00-1       1-0-10-00-00-00-00-00-00-00-00-00-00-00-	106-46-7	1.4-DICHLOROBENZENE	ug/l	0.43 U	0.45 U
Display         Display         Display         Display         Display           07-64-1         ACETONE         ug1         0.32 U         0.32 U           71-43-2         BROMODICHLOROMETHANE         ug1         0.32 U         0.32 U           74-97-5         BROMODICHLOROMETHANE         ug1         0.36 U         0.36 U           75-25-2         BROMODICHLOROMETHANE         ug1         0.47 U         0.47 U           74-83-9         BROMOMETHANE         ug1         0.2 U         0.2 U           75-15-0         CARBON DISULFIDE         ug1         0.2 U         0.2 U           106-00-7         CHLOROBENZENE         ug1         0.49 U         0.49 U           75-60-3         CHLOROFORM         ug1         0.34 U         0.34 U           1061-0-5         CIS-1,3-DICHLOROFENYLENE         ug1         0.35 U         0.35 U           10661-0-5         CIS-1,3-DICHLOROPROPENE         ug1         0.31 U         0.31 U           1048-7         CYCHOHEXANE         ug1         0.2 U         0.2 U           1044-4         ETHYLBENZENE         ug1         0.2 U         0.2 U           104-4         ETHYLBENZENE         ug1         0.2 U         0.2 U <tr< td=""><td>591-78-6</td><td>2-HEXANONE</td><td>ug/l</td><td>19.11</td><td>19 U</td></tr<>	591-78-6	2-HEXANONE	ug/l	19.11	19 U
Display         Display <t< td=""><td>67-64-1</td><td>ACETONE</td><td>ug/l</td><td>0.5 UI</td><td>0.5 UI</td></t<>	67-64-1	ACETONE	ug/l	0.5 UI	0.5 UI
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	71-43-2	BENZENE	ug/l	0.3 U	0.3 U
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	74-97-5	BROMOCHLOROMETHANE	ug/1 11g/1	0.52 U	0.52 U
15-1.1       Instruction of the experimental experimentexperimentexperimentexperiment experimentexperiment experimentexpe	75-27-4	BROMODICHI OROMETHANE	ug/1 11g/1	0.2 U 0.36 U	0.2 U 0.36 U
12-13         BROMOMETHANE         ug/l         0.1 C U         0.2 UJ         0.2 UJ           75-15-0         CARBON DISULFIDE         ug/l         5.4         0.2 U         0.2 U           168-23-5         CARBON DISULFIDE         ug/l         0.49 U         0.49 U         0.49 U           168-23-5         CARBON DISULFIDE         ug/l         0.49 U         0.49 U         0.49 U           108-90-7         CHLOROBENZENE         ug/l         0.2 U         0.2 U         0.2 U           67-66-3         CHLOROFTHANE         ug/l         0.2 U         0.2 U         0.2 U           17-87-7         CHLOROFTHYLENE         ug/l         0.31 U         0.31 U         0.31 U           10061-01-5         CIS-1,3-DICHLOROPROPENE         ug/l         0.2 U         0.2 U         0.2 U           124-48-1         DIROMOCHLOROMETHANE         ug/l         0.2 U         0.2 U         0.2 U           100-41-4         ETHYLBENZENE         ug/l         0.2 U         0.2 U         0.2 U           100-41-4         ETHYLBENZENE (CUMENE)         ug/l         0.2 U         0.2 U         0.2 U           100-41-4         ETHYLBENZENE (CUMENE)         ug/l         0.45 U         0.45 U         0.45 U	75-25-2	BROMOFORM	ug/1	0.47 U	0.30 U 0.47 U
75:15-0.       CARBON DISULFIDE       ug1       5.4       0.2 U         156:23-5.       CARBON TETRACHLORIDE       ug1       0.2 U       0.2 U         108:90-7.       CHLOROBENZENE       ug1       0.49 U       0.49 U         108:90-7.       CHLOROBENZENE       ug1       0.2 U       0.2 U         108:90-7.       CHLOROBENZENE       ug1       0.2 U       0.2 U         106:59-2       CIS-1,2-DICHLOROETHANE       ug1       0.35 U       0.35 U         106:10-15.       CS-1,3-DICHLOROFENE       ug1       0.31 U       0.31 U         104:82-7.       CYCLOHEXANE       ug1       0.2 U       0.2 U         104:48-1       DIBROMOCHLOROMETHANE       ug1       0.2 U       0.2 U         104:48-1       DIBROMOCHLOROMETHANE       ug1       0.2 U       0.2 U         104:48-1       DIBROMOCHLOROMETHANE       ug1       0.2 U       0.2 U         104:48       ETHYLBENZENE       ug1       0.2 U       0.2 U         104:44       ETHYLBENZENE (CUMENE)       ug1       0.45 U       0.45 U         YXIAP       M.P.XYLENE (SUM OF ISOMERS)       ug1       0.41 U       0.41 U         108:87-2       METHYL ACETATE       ug1       0.2 U </td <td>74-83-9</td> <td>BROMOMETHANE</td> <td>ug/l</td> <td>0.2 UJ</td> <td>0.2 UJ</td>	74-83-9	BROMOMETHANE	ug/l	0.2 UJ	0.2 UJ
56-23-5       CARBON TETRACHLORIDE $ug/1$ $0.2$ U $0.2$ U         108-90-7       CHLOROBENZENE $ug/1$ $0.49$ U $0.49$ U         75-00-3       CHLOROFENANE $ug/1$ $0.2$ U $0.2$ U         67-66-3       CHLOROFORM $ug/1$ $0.34$ U $0.34$ U $0.34$ U         74-87-3       CHLOROFORM $ug/1$ $0.35$ U $0.35$ U $0.35$ U         10061-01-5       CIS-1,2-DICHLOROFTHYLENE $ug/1$ $0.31$ U $0.31$ U $0.31$ U         10061-01-5       CIS-1,3-DICHLOROPROPENE $ug/1$ $0.2$ U $0.2$ U $0.2$ U         124-48-1       DIBROMOCHLOROMETHANE $ug/1$ $0.2$ U $0.2$ U $0.2$ U         100-41-4       ETHYLBENZENE $ug/1$ $0.2$ U $0.2$ U $0.2$ U         100-41-4       ETHYLBENZENE (CUMENE) $ug/1$ $0.45$ U $0.45$ U $0.45$ U         100-41-4       ETHYLENE (SUM OF ISOMERS) $ug/1$ $0.2$ U $0.2$ U $0.2$ U         108-40-1       METHYL ETONE (4-METHYL-2-PENTANONE) $ug/1$ $0.2$ U $0.2$ U $0.2$ U         108-70-2       METHYLENE (SUM OF IS	75-15-0	CARBON DISULFIDE	ug/l	5.4	0.2 U
108-90-7         CHLOROBENZENE         ug/1         0.49 U         0.49 U           75-00-3         CHLOROETHANE         ug/1         0.2 U         0.2 U           67-66-3         CHLOROMETHANE         ug/1         0.34 U         0.34 U           74-87-3         CHLOROMETHANE         ug/1         0.35 U         0.2 U           156-59-2         CIS-1,2-DICHLOROETHYLENE         ug/1         0.35 U         0.35 U           10061-01-5         CIS-1,3-DICHLOROPROPENE         ug/1         0.2 U         0.2 U           110-82-7         CYCLOHEXANE         ug/1         0.2 U         0.2 U           104-48-1         DIBROMOCHLOROMETHANE         ug/1         0.2 U         0.2 U           104-14         ETHYLBENZENE         ug/1         0.45 U         0.2 U           98-82-8         ISOPROPYLBENZENE (CUMENE)         ug/1         0.45 U         0.45 U           YILMP         M.P-XYLENE (SUM OF ISOMERS)         ug/1         0.95 U         0.95 U           98-82-8         ISOPROPYLBENZENE (CUMENE)         ug/1         0.3 U         0.3 U           YILMP         M.P-XYLENE (SUM OF ISOMERS)         ug/1         0.45 U         0.45 U           98-82-8         METHYL ACETATE         ug/1	56-23-5	CARBON TETRACHLORIDE	ug/l	0.2 U	0.2 U
75-00-3       CHLOROETHANE       ug/1       0.2 U       0.2 U         67-66-3       CHLOROFORM       ug/1       0.34 U       0.34 U         74-87-3       CHLOROMETHANE       ug/1       0.34 U       0.2 U         156-59-2       CIS-1,2-DICHLOROETHYLENE       ug/1       0.35 U       0.35 U         10061-01-5       CIS-1,3-DICHLOROPROPENE       ug/1       0.2 UJ       0.2 UJ         124-48-1       DIBROMOCHLOROMETHANE       ug/1       0.2 U       0.2 U         124-48-1       DIBROMOCHLOROMETHANE       ug/1       0.2 U       0.2 U         104-14       ETHYLBENZENE       ug/1       0.2 U       0.2 U         98-82-8       ISOPROPYLBENZENE (CUMENE)       ug/1       0.2 U       0.2 U         98-82-8       ISOPROPYLBENZENE (CUMENE)       ug/1       0.2 U       0.45 U         XYLMP       M.P-XYLENE (SUM OF ISOMERS)       ug/1       0.2 U       0.2 U         98-82-8       ISOPROPYLBENZENE (2-BUTANONE)       ug/1       1.3 U       1.3 U         108-10-1       METHYL KETONE (2-BUTANONE)       ug/1       0.2 U       0.2 U         92-0-9       METHYL ENDE (2-BUTANONE)       ug/1       0.2 U       0.2 U         108-10-1       METHYL END	108-90-7	CHLOROBENZENE	ug/l	0.49 U	0.49 U
67-66-3CHLOROFORMug/l $0.34$ U $0.34$ U74-87-3CHLOROMETHANEug/l $0.2$ U $0.2$ U156-59-2CIS-1,2-DICHLOROETHYLENEug/l $0.35$ U $0.35$ U10061-01-5CIS-1,3-DICHLOROPROPENEug/l $0.31$ U $0.31$ U110-82-7CYCLOHEXANEug/l $0.2$ UJ $0.2$ UJ124-48-1DIBROMOCHLOROMETHANEug/l $0.2$ U $0.2$ U100-41-4ETHYLBENZENEug/l $0.2$ U $0.2$ U98-82-8BOPROPYLBENZENE (CUMENE)ug/l $0.45$ U $0.45$ UNTLMPM.P-XYLENE (SUM OF ISOMERS)ug/l $0.95$ U $0.95$ U79-20-9METHYL ACETATEug/l $0.2$ U $0.2$ U78-93-3METHYL ETHYL KETONE (2-BUTANONE)ug/l $0.2$ U $0.2$ U108-10-1METHYL SOBUTYL KETONE (4-METHYL-2-PENTANONE)ug/l $0.43$ U $0.43$ U108-10-1METHYLENE CHLORIDEug/l $0.35$ U $0.35$ U $0.35$ U108-10-1METHYLENE (1,2-DIMETHYLBENZENE)ug/l $0.43$ U $0.43$ U $0.43$ U100-42-5STYRENEug/l $0.35$ U $0.35$ U $0.35$ U1634-04-4TERT-BUTYL METHYL ETHERug/l $0.37$ U $0.37$ U $0.37$ U1634-04-4TERT-BUTYL METHYLENE(PCE)ug/l $0.37$ U $0.37$ U $0.37$ U1634-04-4TERT-BUTYL METHYLENE(CPCE)ug/l $0.35$ U $0.35$ U $0.35$ U1634-04-4TERT-BUTYL METHYLENE(PCE)ug/l $0.37$ U <t< td=""><td>75-00-3</td><td>CHLOROETHANE</td><td>ug/l</td><td>0.2 U</td><td>0.2 U</td></t<>	75-00-3	CHLOROETHANE	ug/l	0.2 U	0.2 U
74-87-3CHLOROMETHANEug/l0.2 U0.2 U156-59-2CIS-1,2-DICHLOROETHYLENEug/l0.35 U0.35 U10061-01-5CIS-1,3-DICHLOROPENEug/l0.31 U0.31 U110-82-7CYCLOHEXANEug/l0.2 UU0.2 UJ124-48-1DIBROMOCHLOROMETHANEug/l0.2 U0.2 U100-41-4ETHYLBENZENEug/l0.2 U0.2 U98-82-8ISORPOPYLBENZENE (CUMENE)ug/l0.2 U0.2 U98-82-8ISORPOPYLBENZENE (CUMENE)ug/l0.95 U0.95 U98-82-8ISORPOPYLBENZENE (CUMENE)ug/l0.95 U0.95 U98-82-8ISORPOPYLBENZENE (CUMENE)ug/l0.2 U0.2 U79-20-9METHYL ACETATEug/l0.2 U0.2 U108-10-1METHYL ISOBUTYL KETONE (2-BUTANONE)ug/l1.3 U1.3 U108-10-1METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)ug/l0.41 U0.41 U104-2-5STYRENEug/l0.36 U0.36 U0.36 U104-2-5STYRENEug/l0.35 U0.35 U0.35 U107-18-4TETRACHLOROETHYLENE(PCE)ug/l0.37 U0.37 U106-10-2-6TRANS-1,3-DICHLOROPENEug/l0.41 U0.41 U106-10-2-6TRANS-1,3-DICHLOROPENEug/l0.28 U0.28 U100-61-02-6TRANS-1,3-DICHLOROPENEug/l0.35 U0.35 U127-18-4TETRACHLOROETHYLENEug/l0.43 U0.43 U10061-02-6TRANS-1,3-DICHLO	67-66-3	CHLOROFORM	ug/l	0.34 U	0.34 U
156-59-2       CIS-1,2-DICHLOROETHYLENE       ug/l       0.35 U       0.35 U         10061-01-5       CIS-1,3-DICHLOROPROPENE       ug/l       0.31 U       0.31 U         110-82-7       CYCLOHEXANE       ug/l       0.2 UJ       0.2 UJ         124-48.1       DIBROMOCHLOROMETHANE       ug/l       0.2 U       0.2 U         124-48.1       DIBROMOCHLOROMETHANE       ug/l       0.2 U       0.2 U         10041-4       ETHYLBENZENE       ug/l       0.2 U       0.2 U         98-82-8       ISOPROPYLBENZENE (CUMENE)       ug/l       0.45 U       0.45 U         YYLMP       M.P.XYLENE (SUM OF ISOMERS)       ug/l       0.95 U       0.95 U         79-20-9       METHYL ACETATE       ug/l       0.2 U       0.2 U         79-20-9       METHYL KETONE (2-BUTANONE)       ug/l       1.3 U       1.3 U         108-87-1       METHYL KETONE (2-BUTANONE)       ug/l       0.2 U       0.2 U         108-87-2       METHYLCYCLOHEXANE       ug/l       0.41 U       0.41 U         108-87-3       METHYLCYCLOHEXANE       ug/l       0.43 U       0.43 U         108-82-4       METHYLCYCLOHEXANE       ug/l       0.41 U       0.41 U         108-87-6       O-XYLEN	74-87-3	CHLOROMETHANE	ug/l	0.2 U	0.2 U
10061-01-5         CIS-1,3-DICHLOROPROPENE         ug/l         0.31 U         0.31 U           110-82-7         CYCLOHEXANE         ug/l         0.2 UJ         0.2 UJ           124-48-1         DIBROMOCHLOROMETHANE         ug/l         0.2 U         0.2 U           124-48-1         DIBROMOCHLOROMETHANE         ug/l         0.2 U         0.2 U           100-41-4         ETHYLBENZENE         ug/l         0.2 U         0.2 U           100-41-4         ETHYLBENZENE         ug/l         0.45 U         0.45 U           YXIMP         M.P-XYLENE (SUM OF ISOMERS)         ug/l         0.95 U         0.95 U           79-20-9         METHYL ACETATE         ug/l         1.3 U         1.3 U           108-10-1         METHYL ETHYL KETONE (2-BUTANONE)         ug/l         1.3 U         1.3 U           108-10-1         METHYL ETHYL KETONE (4-METHYL-2-PENTANONE)         ug/l         0.2 U         0.2 U           108-87-2         METHYLENE CHLORIDE         ug/l         0.41 U         0.41 U           108-87-2         METHYLENE CHLORIDE         ug/l         0.43 U         0.43 U           100-42-5         STYRENE         ug/l         0.35 U         0.35 U           100-42-6         TRANS-1,2-DICHLOROETHENE </td <td>156-59-2</td> <td>CIS-1,2-DICHLOROETHYLENE</td> <td>ug/l</td> <td>0.35 U</td> <td>0.35 U</td>	156-59-2	CIS-1,2-DICHLOROETHYLENE	ug/l	0.35 U	0.35 U
110-82-7       CYCLOHEXANE       ug/l       0.2 UJ       0.2 UJ         124-48-1       DIBROMOCHLOROMETHANE       ug/l       0.2 U       0.2 U         75-71-8       DICHLORODIFLUOROMETHANE       ug/l       0.2 U       0.2 U         100-41-4       ETHYLBENZENE       ug/l       0.2 U       0.2 U         98-82-8       ISOPROPYLBENZENE (CUMENE)       ug/l       0.45 U       0.45 U         XYLMP       M.P-XYLENE (SUM OF ISOMERS)       ug/l       0.95 U       0.95 U         79-20-9       METHYL ACETATE       ug/l       0.2 U       0.2 U         78-93-3       METHYL KETONE (2-BUTANONE)       ug/l       1.3 U       1.3 U         108-10-1       METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)       ug/l       0.2 U       0.2 U         108-87-2       METHYLENE CHLORIDE       ug/l       0.41 U       0.41 U         108-87-2       METHYLENE CHLORIDE       ug/l       0.36 U       0.35 U         104-4       TERT-BUTYL METHYLENENE       ug/l       0.41 U       0.41 U         105-87.2       METHYLENE CHLORIDE       ug/l       0.35 U       0.35 U         104-4       TERT-BUTYL METHYLENENE       ug/l       0.35 U       0.35 U         1634-04-4	10061-01-5	CIS-1,3-DICHLOROPROPENE	ug/l	0.31 U	0.31 U
124.48-1         DIBROMOCHLOROMETHANE         ug/l         0.2 U         0.2 U           75-71-8         DICHLORODIFLUOROMETHANE         ug/l         0.2 U         0.2 U           100-41-4         ETHYLBENZENE         ug/l         0.2 U         0.2 U           98-82-8         ISOPROPYLBENZENE (CUMENE)         ug/l         0.45 U         0.45 U           XYLMP         M.P-XYLENE (SUM OF ISOMERS)         ug/l         0.95 U         0.95 U           78-93-3         METHYL ACETATE         ug/l         0.2 U         0.2 U           108-10-1         METHYL KETONE (2-BUTANONE)         ug/l         1.3 U         1.3 U           108-10-1         METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)         ug/l         0.2 U         0.2 U           108-87-2         METHYLLSOBUTYL KETONE (4-METHYL-2-PENTANONE)         ug/l         0.41 U         0.41 U           108-87-2         METHYLLSOBUTYL KETONE (4-METHYL-2-PENTANONE)         ug/l         0.2 U         0.2 U           108-87-2         METHYLLSOBUTYL KETONE (4-METHYL-2-PENTANONE)         ug/l         0.41 U         0.41 U           104-25         STYRENE         ug/l         0.36 U         0.36 U         0.36 U           1034-044         TERT-BUTYL METHYLETHER         ug/l         0.35 U	110-82-7	CYCLOHEXANE	ug/l	0.2 UJ	0.2 UJ
75-71-8         DICHLORODIFLUOROMETHANE         ug/l         0.2 U         0.2 U           100-41-4         ETHYLBENZENE         ug/l         0.2 U         0.2 U           98-82-8         ISOPROPYLBENZENE (CUMENE)         ug/l         0.45 U         0.45 U           XYLMP         M.P-XYLENE (SUM OF ISOMERS)         ug/l         0.95 U         0.95 U           79-20-9         METHYL ACETATE         ug/l         0.2 U         0.2 U           108-10-1         METHYL ACETATE         ug/l         0.2 U         0.2 U           108-87-2         METHYL ETHYL KETONE (2-BUTANONE)         ug/l         1.3 U         1.3 U           108-10-1         METHYLCYCLOHEXANE         ug/l         0.2 U         0.2 U           108-87-2         METHYLENE CHLORIDE         ug/l         0.41 U         0.41 U           104-2-5         STYRENE         ug/l         0.36 U         0.36 U           1034-04-4         TERT-BUTYL METHYLENE(PCE)         ug/l         0.37 U         0.37 U           1034-04-4         TERT-BUTYL METHYLENE(PCE)         ug/l         0.37 U         0.37 U           1034-04-4         TERT-BUTYL METHYLENE(PCE)         ug/l         0.37 U         0.37 U           1034-04-4         TERT-BUTYL METHYLEN	124-48-1	DIBROMOCHLOROMETHANE	ug/l	0.2 U	0.2 U
100-41-4         ETHYLBENZENE         ug/l         0.2 U         0.2 U           98-82-8         ISOPROPYLBENZENE (CUMENE)         ug/l         0.45 U         0.45 U           YYLMP         M.P.XYLENE (SUM OF ISOMERS)         ug/l         0.95 U         0.95 U           79-20-9         METHYL ACETATE         ug/l         0.2 U         0.2 U           78-93-3         METHYL ACETATE         ug/l         0.2 U         0.2 U           108-87-2         METHYL KETONE (2-BUTANONE)         ug/l         1.3 U         1.3 U           108-87-2         METHYLCYCLOHEXANE         ug/l         0.2 U         0.2 U           75-09-2         METHYLENE CHLORIDE         ug/l         0.41 U         0.41 U           95-47-6         O-XYLENE (1,2-DIMETHYLBENZENE)         ug/l         0.43 U         0.43 U           10042-5         STYRENE         ug/l         0.35 U         0.35 U           1034-04-4         TERT-ROUTYL METHYLENE(CE)         ug/l         0.37 U         0.37 U           127-18-4         TETRACHLOROETHENE         ug/l         0.41 U         0.41 U           1064-02-6         TRANS-1,2-DICHLOROETHENE         ug/l         0.37 U         0.37 U           10051-02-6         TRANS-1,3-DICHLOROFTHENE <td>75-71-8</td> <td>DICHLORODIFLUOROMETHANE</td> <td>ug/l</td> <td>0.2 U</td> <td>0.2 U</td>	75-71-8	DICHLORODIFLUOROMETHANE	ug/l	0.2 U	0.2 U
98-82-8         ISOPROPYLBENZENE (CUMENE)         ug/l         0.45 U         0.45 U           XYLMP         M,P-XYLENE (SUM OF ISOMERS)         ug/l         0.95 U         0.95 U           79-20-9         METHYL ACETATE         ug/l         0.2 U         0.2 U           78-93-3         METHYL ETHYL KETONE (2-BUTANONE)         ug/l         1.3 U         1.3 U           108-10-1         METHYL ETHYL KETONE (4-METHYL-2-PENTANONE)         ug/l         0.2 U         0.2 U           75-09-2         METHYLCYCLOHEXANE         ug/l         0.41 U         0.41 U           95-47-6         O-XYLENE (1,2-DIMETHYLBENZENE)         ug/l         0.43 U         0.43 U           100-42-5         STYRENE         ug/l         0.36 U         0.36 U         0.35 U           100-42-5         STYRENE         ug/l         0.35 U         0.35 U         0.35 U           127-18-4         TERT-BUTYL METHYL ETHER         ug/l         0.37 U         0.37 U         0.37 U           126-60-5         TRANS-1,2-DICHLOROETHENE         ug/l         0.41 U         0.41 U         0.41 U           10061-02-6         TRANS-1,3-DICHLOROPENE         ug/l         0.28 U         0.28 U         0.28 U           75-69-4         TRICHLOROFTHANE	100-41-4	ETHYLBENZENE	ug/l	0.2 U	0.2 U
XYLMP         M,P-XYLENE (SUM OF ISOMERS)         ug/l         0.95 U         0.95 U           79-20-9         METHYL ACETATE         ug/l         0.2 U         0.2 U           78-93-3         METHYL ACETATE         ug/l         0.1 U         0.2 U           108-10-1         METHYL ETHYL KETONE (2-BUTANONE)         ug/l         1.3 U         1.3 U           108-10-1         METHYL SOBUTYL KETONE (4-METHYL-2-PENTANONE)         ug/l         0.2 U         0.2 U           108-87-2         METHYLCYCLOHEXANE         ug/l         0.2 U         0.2 U           95-47-6         O-XYLENE CHLORIDE         ug/l         0.43 U         0.43 U           100-42-5         STYRENE         ug/l         0.36 U         0.36 U           1634-04-4         TERT-BUTYL METHYL ETHER         ug/l         0.35 U         0.35 U           127-18-4         TETRACHLOROETHYLENE(PCE)         ug/l         0.27 U         0.27 U           108-88-3         TOLUENE         ug/l         0.41 U         0.41 U           106-60-5         TRANS-1,2-DICHLOROETHENE         ug/l         0.41 U         0.41 U           10061-02-6         TRANS-1,3-DICHLOROPROPENE         ug/l         0.28 U         0.28 U           75-69-4         TRICHLO	98-82-8	ISOPROPYLBENZENE (CUMENE)	ug/l	0.45 U	0.45 U
79-20-9       METHYL ACETATE       ug/l       0.2 U       0.2 U         78-93-3       METHYL ETHYL KETONE (2-BUTANONE)       ug/l       1.3 U       1.3 U         108-10-1       METHYL STOBUTYL KETONE (2-BUTANONE)       ug/l       2.1 U       2.1 U       2.1 U         108-10-1       METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)       ug/l       0.2 U       0.2 U       0.2 U         108-87-2       METHYLCYCLOHEXANE       ug/l       0.2 U       0.2 U       0.2 U         75-09-2       METHYLENE CHLORIDE       ug/l       0.41 U       0.41 U         95-47-6       O-XYLENE (1,2-DIMETHYLBENZENE)       ug/l       0.36 U       0.36 U         1034-04-4       TERT-BUTYL METHYL ETHER       ug/l       0.35 U       0.35 U         1034-04-4       TERT-BUTYL METHYLENE(PCE)       ug/l       0.27 U       0.27 U         108-88-3       TOLUENE       ug/l       0.31 U       0.31 U       0.37 U         106-60-5       TRANS-1,2-DICHLOROETHENE       ug/l       0.41 U       0.41 U         10061-02-6       TRANS-1,3-DICHLOROPROPENE       ug/l       0.28 U       0.28 U         79-01-6       TRICHLOROETHYLENE (TCE)       ug/l       0.35 U       0.35 U         75-69-4       T	XYLMP	M,P-XYLENE (SUM OF ISOMERS)	ug/l	0.95 U	0.95 U
78-93-3       METHYL ETHYL KETONE (2-BUTANONE)       ug/l       1.3 U       1.3 U         108-10-1       METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)       ug/l       2.1 U       2.1 U         108-87-2       METHYLCYCLOHEXANE       ug/l       0.2 U       0.2 U         75-09-2       METHYLCYCLOHEXANE       ug/l       0.41 U       0.41 U         95-47-6       O-XYLENE (1,2-DIMETHYLBENZENE)       ug/l       0.43 U       0.43 U         10042-5       STYRENE       ug/l       0.36 U       0.36 U         1034-04-4       TERT-BUTYL METHYLETHER       ug/l       0.35 U       0.35 U         127-18-4       TETRACHLOROETHYLENE(PCE)       ug/l       0.37 U       0.37 U         10064-05-5       TRANS-1,2-DICHLOROETHENE       ug/l       0.41 U       0.41 U         10061-02-6       TRANS-1,3-DICHLOROETHENE       ug/l       0.41 U       0.41 U         10061-02-6       TRANS-1,3-DICHLOROETHENE       ug/l       0.29 U       0.29 U       0.29 U         76-09-4       TRICHLOROFLUOROMETHANE       ug/l       0.35 U       0.35 U       0.35 U         75-09-4       TRICHLOROFLOROMETHANE       ug/l       0.35 U       0.35 U       0.35 U         75-01-4       VINYL CHLORIDE	79-20-9	METHYL ACETATE	ug/l	0.2 U	0.2 U
108-10-1         METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)         ug/l         2.1         U         2.1         U           108-87-2         METHYLCYCLOHEXANE         ug/l         0.2         U         0.2         U           75-09-2         METHYLENE CHLORIDE         ug/l         0.41         U         0.41         U           95-47-6         O-XYLENE (1,2-DIMETHYLBENZENE)         ug/l         0.43         U         0.43         U           100-42-5         STYRENE         ug/l         0.36         U         0.36         U           1634-04-4         TERT-BUTYL METHYL ETHER         ug/l         0.35         U         0.35         U           127-18-4         TERTACHLOROETHYLENE(PCE)         ug/l         0.37         U         0.37         U           108-88-3         TOLUENE         ug/l         0.41         U         0.41         U           106-02-6         TRANS-1,2-DICHLOROETHENE         ug/l         0.37         U         0.37         U           10061-02-6         TRANS-1,3-DICHLOROPROPENE         ug/l         0.28         U         0.28         U           75-01-4         TRICHLOROFLUOROMETHANE         ug/l         0.35         U         0.35 <td>78-93-3</td> <td>METHYL ETHYL KETONE (2-BUTANONE)</td> <td>ug/l</td> <td>1.3 U</td> <td>1.3 U</td>	78-93-3	METHYL ETHYL KETONE (2-BUTANONE)	ug/l	1.3 U	1.3 U
108-87-2         METHYLCYCLOHEXANE         ug/l         0.2 U         0.2 U           75-09-2         METHYLENE CHLORIDE         ug/l         0.41 U         0.41 U           95-47-6         O-XYLENE (1,2-DIMETHYLBENZENE)         ug/l         0.43 U         0.43 U           100-42-5         STYRENE         ug/l         0.36 U         0.36 U           1634-04-4         TERT-BUTYL METHYL ETHER         ug/l         0.35 U         0.35 U           127-18-4         TETRACHLOROETHYLENE(PCE)         ug/l         0.27 U         0.27 U           108-88-3         TOLUENE         ug/l         0.37 U         0.37 U           156-60-5         TRANS-1,2-DICHLOROETHENE         ug/l         0.41 U         0.41 U           10061-02-6         TRANS-1,3-DICHLOROPROPENE         ug/l         0.29 U         0.29 U           75-01-6         TRICHLOROFLYLENE (TCE)         ug/l         0.28 U         0.28 U           75-01-4         VINYL CHLORIE         ug/l         0.35 U         0.35 U           75-01-4         VINYL CHLORIE         ug/l         0.35 U         0.35 U           123-91-1         14-DIOXANE (P.DIOXANE)         ug/l         0.34 U         0.34 U	108-10-1	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	ug/l	2.1 U	2.1 U
15-09-2         METHYLENE CHLORIDE         ug/l         0.41 U         0.41 U           95-47-6         O-XYLENE (1,2-DIMETHYLBENZENE)         ug/l         0.43 U         0.43 U           100-42-5         STYRENE         ug/l         0.36 U         0.36 U           1634-04-4         TERT-BUTYL METHYL ETHER         ug/l         0.35 U         0.35 U           127-18-4         TETRACHLOROETHYLENE(PCE)         ug/l         0.27 U         0.27 U           108-88-3         TOLUENE         ug/l         0.37 U         0.37 U           10661-02-6         TRANS-1,2-DICHLOROETHENE         ug/l         0.41 U         0.41 U           10061-02-6         TRANS-1,3-DICHLOROPROPENE         ug/l         0.29 U         0.29 U           79-01-6         TRICHLOROFLUOROMETHANE         ug/l         0.28 U         0.28 U           75-69-4         TRICHLOROFLUOROMETHANE         ug/l         0.35 U         0.35 U           75-01-4         VINYL CHLORIDE         ug/l         0.35 U         0.35 U           123-91-1         14-DIOXANE (P.DIOXANE)         ug/l         0.34 U         0.40 U	108-87-2	METHYLCYCLOHEXANE	ug/l	0.2 U	0.2 U
95-47-6         O-X YLENE (1,2-DIME HYLBENZENE)         ug/l         0.43 U         0.43 U           10042-5         STYRENE         ug/l         0.36 U         0.36 U           1034-04-4         TERT-BUTYL METHYL ETHER         ug/l         0.35 U         0.35 U           127-18-4         TETRACHLOROETHYLENE(PCE)         ug/l         0.27 U         0.27 U           108-88-3         TOLUENE         ug/l         0.41 U         0.41 U           1061-02-6         TRANS-1,2-DICHLOROETHENE         ug/l         0.41 U         0.41 U           10061-02-6         TRICHLOROETHYLENE (TCE)         ug/l         0.28 U         0.28 U           75-69-4         TRICHLOROFLUOROMETHANE         ug/l         0.35 U         0.35 U           75-69-4         TRICHLOROFLUOROMETHANE         ug/l         0.35 U         0.35 U           123-91-1         14-DIOXANE (P_DIOXANE)         ug/l         0.34 U         0.34 U	75-09-2	METHYLENE CHLORIDE	ug/I	0.41 U	0.41 U
100-42-5         S1YRENE         ug/l         0.36 U         0.36 U           1634-04-4         TERT-BUTYL METHYL ETHER         ug/l         0.35 U         0.35 U           127-18-4         TETRACHLOROETHYLENE(PCE)         ug/l         0.27 U         0.27 U           108-88-3         TOLUENE         ug/l         0.37 U         0.37 U           156-60-5         TRANS-1,2-DICHLOROETHENE         ug/l         0.41 U         0.41 U           10061-02-6         TRANS-1,3-DICHLOROPROPENE         ug/l         0.29 U         0.29 U           79-01-6         TRICHLOROETHYLENE (TCE)         ug/l         0.28 U         0.28 U           75-01-4         VINYL CHLOROFLOROETHANE         ug/l         0.35 U         0.35 U           123-91-1         14-DIOXANE (P.DIOXANE)         ug/l         0.34 U         0.34 U	95-47-6	O-XYLENE (1,2-DIMETHYLBENZENE)	ug/l	0.43 U	0.43 U
103+0+-+         IER 1-BUT IL METHTL ETHEK         ug/l         0.35 U         0.55 U           127-18-4         TETRACHLOROETHYLENE(PCE)         ug/l         0.27 U         0.27 U           108-88-3         TOLUENE         ug/l         0.37 U         0.37 U           156-60-5         TRANS-1,2-DICHLOROETHENE         ug/l         0.41 U         0.41 U           10061-02-6         TRANS-1,3-DICHLOROPROPENE         ug/l         0.29 U         0.29 U           79-01-6         TRICHLOROETHYLENE (TCE)         ug/l         0.28 U         0.28 U           75-01-4         VINYL CHLOROFLUOROMETHANE         ug/l         0.35 U         0.35 U           123-91-1         14-DIOXANE (P.DIOXANE)         ug/l         0.34 U         0.34 U	100-42-5	SI I KENE TERT DUTVI METUVI ETHER	ug/l	0.36 U	0.36 U
127-10-4         ILTRACHLOROFLETTLERE(FCE)         ug/l         0.27 U         0.27 U           108-88-3         TOLUENE         ug/l         0.37 U         0.37 U           156-60-5         TRANS-1,2-DICHLOROETHENE         ug/l         0.41 U         0.41 U           10061-02-6         TRANS-1,3-DICHLOROPROPENE         ug/l         0.29 U         0.29 U           79-01-6         TRICHLOROETHYLENE (TCE)         ug/l         0.28 U         0.28 U           75-01-4         TRICHLOROFLUOROMETHANE         ug/l         0.35 U         0.35 U           75-01-4         UINYL CHLORIDE         ug/l         0.34 U         0.34 U	1034-04-4		ug/1	0.35 U	0.35 U
ItoGoods         ItoGoods         Ugr         0.37 U         0.37 U         0.37 U           156-60-5         TRANS-1,2-DICHLOROETHENE         ug/l         0.41 U         0.41 U         0.41 U           10061-02-6         TRANS-1,3-DICHLOROPROPENE         ug/l         0.29 U         0.29 U         0.29 U           79-01-6         TRICHLOROETHYLENE (TCE)         ug/l         0.28 U         0.28 U           75-69-4         TRICHLOROFLUOROMETHANE         ug/l         0.35 U         0.35 U           75-01-4         VINYL CHLORIDE         ug/l         0.34 U         0.34 U           123-91-1         14-DIOXANE (P.DIOXANE)         ug/l         100 U         100 U	12/-18-4	TOLUENE	ug/1	0.27 U	0.27 U
10061-02-6         TRAINS 1,2-DICHLOROPENE         ug/l         0.41 U         0.41 U           10061-02-6         TRAINS 1,3-DICHLOROPENE         ug/l         0.29 U         0.29 U           79-01-6         TRICHLOROFLUROPENE         ug/l         0.28 U         0.28 U           75-69-4         TRICHLOROFLUOROMETHANE         ug/l         0.35 U         0.35 U           75-01-4         VINYL CHLORIDE         ug/l         0.34 U         0.34 U           123-91-1         14-DIOXANE (P.DIOXANE)         ug/l         100 U         100 U	100-00-3	TRANS 1.2 DICHLOROFTHENE	ug/1	0.57 U	0.57 U
1001-02-0         TREALOS 1,3-DICHLOROF ROLENE         ug/l         0.29 U         0.29 U           79-01-6         TRICHLOROETHYLENE (TCE)         ug/l         0.28 U         0.28 U           75-69-4         TRICHLOROFLUOROMETHANE         ug/l         0.35 U         0.35 U           75-01-4         VINYL CHLORIDE         ug/l         0.34 U         0.34 U           123-91-1         14-DIOXANE (P.DIOXANE)         ug/l         100 U         100 U	10061.02.6	TRANS-1,2-DICHLOROETHEINE TRANS-1,2-DICHLOROPROPENE	ug/1	0.41 U	0.41 U
75-69-4         TRICHLOROFLUOROMETHANE         ug/l         0.28 U         0.28 U           75-69-4         TRICHLOROFLUOROMETHANE         ug/l         0.35 U         0.35 U           75-01-4         VINYL CHLORIDE         ug/l         0.34 U         0.34 U           123-91-1         14-DIOXANE (P.DIOXANE)         ug/l         100 U         100 U	79-01-6	TRICHI OROFTHYI ENE (TCE)	ug/1	0.29 0	0.29 U
75-01-4         VINYL CHLORIDE         ug/l         0.35 U         0.35 U           75-01-4         VINYL CHLORIDE         ug/l         0.34 U         0.34 U           123-91-1         14-DIOXANE (P-DIOXANE)         ug/l         100 U         100 U	75-69-4	TRICHLOROFILIOROMETHANE	ug/1	0.26 U	0.26 U
123-91-1 14-DIOXANE (P-DIOXANE) 100 U 100 U	75-01-4	VINYL CHLORIDE	ug/1 11g/l	0.35 U	0.34 U
	123-91-1	1 4-DIOXANE (P-DIOXANE)	ug/1 11g/1	100 U	100 U

Consolidated Edison Ludlow Street Site Validated Groundwater Analytical Data SDG: E1768		Location ID: Sample ID: Lab Sample Id: Source:	FB040813 FB040813-20130408 E1768-10 CTECH	TRIPBLANK TBLANK-20130404 E1768-11 CTECH
		SDG: Matrix: Sampled: Validated:	E1768 WATER 4/8/2013 10:00 4/30/2013	E1768 WATER 4/4/2013 9:00 4/30/2013
CAS NO.	COMPOUND	UNITS:		
	SEMIVOLATILES			
95-94-3	1,2,4,5-TETRACHLOROBENZENE	ug/l	0.217 U	
58-90-2 05 05 4	2,5,4,0-TETRACHLOROPHENOL	ug/l	0.217 U 0.435 U	
88-06-2	2.4.6-TRICHLOROPHENOL	ug/l	0.609 U	
120-83-2	2,4-DICHLOROPHENOL	ug/l	0.717 U	
105-67-9	2,4-DIMETHYLPHENOL	ug/l	0.772 U	
51-28-5	2,4-DINITROPHENOL	ug/l	2.3 UJ	
121-14-2	2,4-DINITROTOLUENE	ug/l	1.1 U	
606-20-2	2,6-DINITROTOLUENE	ug/l	0.348 U	
91-58-7	2-CHLORONAPHTHALENE	ug/l	0.174 U	
95-57-8	2-CHLOROPHENOL	ug/l	0.587 U	
91-57-6	2-METHYLNAPHTHALENE	ug/l	0.348 U	
95-48-7	2-METHYLPHENOL (O-CRESOL)	ug/l	0.261 U	
88-74-4 99 75 5	2-NITROAINILINE 2 NITROBHENOI	ug/1	0.555 U	
91-94-1	3 3'-DICHI OROBENZIDINE	ug/1	2.2 U	
MEPH3MEPH	3+4-Methylphenols	ug/1 11g/1	0.413 U	
99-09-2	3-NITROANILINE	ug/l	1.2 U	
534-52-1	4,6-DINITRO-2-METHYLPHENOL	ug/l	0.804 UJ	
101-55-3	4-BROMOPHENYL PHENYL ETHER	ug/l	0.25 U	
59-50-7	4-CHLORO-3-METHYLPHENOL	ug/l	0.435 U	
106-47-8	4-CHLOROANILINE	ug/l	3.1 U	
7005-72-3	4-CHLOROPHENYL PHENYL ETHER	ug/l	0.228 U	
100-01-6	4-NITROANILINE	ug/l	1.5 U	
100-02-7	4-NITROPHENOL	ug/l	2.2 U	
83-32-9	ACENAPHTHENE	ug/l	0.228 U	
208-96-8	ACENAPHTHYLENE	ug/l	0.761 U	
98-86-2	ACETOPHENONE	ug/l	0.152 U	
120-12-7	ATD A ZINE	ug/l	0.174 U 0.425 U	
100-52-7	BENZALDEHYDE	ug/1	0.435 U 0.837 U	
56-55-3	BENZO(A)ANTHRACENE	ug/l	0.174 U	
50-32-8	BENZO(A)PYRENE	ug/l	0.152 U	
205-99-2	BENZO(B)FLUORANTHENE	ug/l	0.315 U	
191-24-2	BENZO(G,H,I)PERYLENE	ug/l	0.315 U	
207-08-9	BENZO(K)FLUORANTHENE	ug/l	0.196 U	
85-68-7	BENZYL BUTYL PHTHALATE	ug/l	0.207 U	
92-52-4	BIPHENYL (DIPHENYL)	ug/l	0.163 U	
111-91-1	BIS(2-CHLOROETHOXY) METHANE	ug/l	0.598 U	
111-44-4	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	ug/l	0.598 U	
108-60-1	BIS(2-CHLOROISOPROPYL) ETHER	ug/l	0.185 U	
117-81-7	CAPPOLACTAM	ug/l	0.174 U 2.2 U	
86-74-8	CARBAZOLE	ug/l	0.239 U	
218-01-9	CHRYSENE	ug/l	0.196 U	
53-70-3	DIBENZ(A,H)ANTHRACENE	ug/l	0.457 U	
132-64-9	DIBENZOFURAN	ug/l	0.261 U	
84-66-2	DIETHYL PHTHALATE	ug/l	0.413 U	
131-11-3	DIMETHYL PHTHALATE	ug/l	0.239 U	
84-74-2	DI-N-BUTYL PHTHALATE	ug/l	2.2 U	
117-84-0	DI-N-OCTYLPHTHALATE	ug/l	0.554 U	
206-44-0	FLUORANTHENE	ug/l	0.435 U	
86-73-7	FLUORENE	ug/l	0.337 U	
118-74-1	HEXACHLOROBENZENE	ug/l	0.196 U	
87-68-3	HEXACHLOROBUTADIENE	ug/l	0.2/2 U	
77-47-4 67 72 1	HEAACHLOROCICLOPENIADIENE	ug/l	0.201 U	
193-39-5	INDENO(1 2 3-C D)PYRENE	ug/1 11g/1	0.272 U 0.163 U	
78-59-1	ISOPHORONE	ug/l	0.326 U	
91-20-3	NAPHTHALENE	ug/l	0.13 U	
98-95-3	NITROBENZENE	ug/l	0.739 U	
621-64-7	N-NITROSODI-N-PROPYLAMINE	ug/l	0.217 U	
86-30-6	N-NITROSODIPHENYLAMINE	ug/l	0.652 U	
87-86-5	PENTACHLOROPHENOL	ug/l	1.9 UJ	
85-01-8	PHENANTHRENE	ug/l	0.283 U	
108-95-2	PHENOL	ug/l	0.228 U	
129-00-0	PYRENE	ug/l	0.217 U	

Consolidated Edison		Location ID:	FB040813	TRIPBLANK
Ludlow Street Site		Sample ID:	FB040813-20130408	TBLANK-20130404
Validated Grou	undwater Analytical Data	Lab Sample Id:	E1768-10	E1768-11
SDG E1768		Source:	CTECH	CTECH
52 G. 21/00		SDG:	F1768	F1768
		Matrix:	WATER	WATER
		Sampled:	4/8/2013 10:00	A/A/2013 9:00
		Validated:	4/30/2013	4/30/2013
CAS NO	COMPOUND	UNITS:	4/30/2013	4/30/2013
CIBITO.	TOTAL METALS	ornib.		
7429-90-5	ALUMINUM	119/1	6.5 UI	
7440-36-0	ANTIMONY	11g/l	8 U	
7440-38-2	ARSENIC	ug/l	4.2 U	
7440-39-3	BARIUM	11g/l	4 U	
7440-41-7	BERYLLIUM	ug/1	07 U	
7440-43-9	CADMILIM	ug/1	0.7 C	
7440-70-2	CALCIUM	ug/1	99.7 I	
7440-70-2	CHROMIUM TOTAL	ug/1	1.1 III	
7440-47-5	CORALT	ug/1	1.1 UJ 5 0 UI	
7440-40-4	CODDED	ug/1	3.6 UJ	
7440-30-8	DON DON	ug/1	2 UJ 27 9 T	
7439-89-0		ug/1	27.8 J	
7439-92-1		ug/1	2.6 UJ	
7439-95-4	MAGNESIUM	ug/I	35.3 J	
7439-96-5	MANGANESE	ug/I	1.7 U	
7439-97-6	MERCURY	ug/l	0.092 U	
7440-02-0	NICKEL	ug/l	4.2 UJ	
7440-09-7	POTASSIUM	ug/l	594 J	
7782-49-2	SELENIUM	ug/l	4.8 U	
7440-22-4	SILVER	ug/l	1.5 UJ	
7440-23-5	SODIUM	ug/l	34500 J	
7440-28-0	THALLIUM	ug/l	2.4 UJ	
7440-62-2	VANADIUM	ug/l	6.1 UJ	
7440-66-6	ZINC	ug/l	6.5 UJ	
7420 00 5	DISSOLVED METALS		6.5 111	
7429-90-5	ALUMINUM	ug/1	0.5 UJ	
7440-36-0	ANTIMONY	ug/I	8 U	
7440-38-2	ARSENIC	ug/l	4.2 U	
7440-39-3	BARIUM	ug/l	4 U	
/440-41-/	BERYLLIUM	ug/l	0.7 U	
7440-43-9	CADMIUM	ug/l	K	
7440-70-2	CALCIUM	ug/l	210 J	
7440-47-3	CHROMIUM, TOTAL	ug/l	1.1 UJ	
/440-48-4	COBALT	ug/l	5.8 UJ	
7440-50-8	COPPER	ug/l	2 UJ	
7439-89-6	IRON	ug/l	20.4 U	
7439-92-1	LEAD	ug/l	2.6 UJ	
7439-95-4	MAGNESIUM	ug/l	32.5 U	
7439-96-5	MANGANESE	ug/l	2.59 J	
7439-97-6	MERCURY	ug/l	0.092 U	
7440-02-0	NICKEL	ug/l	4.2 UJ	
7440-09-7	POTASSIUM	ug/l	273 J	
7782-49-2	SELENIUM	ug/l	4.8 U	
7440-22-4	SILVER	ug/l	1.5 UJ	
7440-23-5	SODIUM	ug/l	3160 J	
7440-28-0	THALLIUM	ug/l	2.4 UJ	
7440-62-2	VANADIUM	ug/l	6.1 UJ	
7440-66-6	ZINC	ug/l	26.9 J	
	OTHER			
57-12-5	CYANIDE	ug/l	3 U	