SITE CHARACTERIZATION REPORT
THIRD AVENUE YARD
BROOKLYN, NEW YORK

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BROOKLYN, NEW YORK

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1.0 INTRODUCTION

This report provides a summary of results of a site characterization that was performed by the Jacques Whitford Company, Inc. (JWC) in the vicinity of four former underground storage tanks (USTs) at the Consolidated Edison Company of New York, Inc. (Con Edison) Third Avenue Yard (Site) located at 222 First Street in Brooklyn, New York. A site location map is provided in Figure 1. The site characterization was initiated by Con Edison in response to observations of petroleum-impacted soil and/or groundwater in the areas surrounding the four former USTs. In brief, the site characterization entailed the excavation of soil borings, installation of monitoring wells, and the collection and analysis of soil and groundwater samples. In addition, the characterization included a file review for the Mendon Truck Leasing facility, which is located south of the site. The file review was performed to evaluate claims that impacted soil and groundwater at that site may be related to environmental conditions and/or operations at the Third Avenue Yard.

1.1 Site Description

The site is an active facility used by Con Edison as a customer service center and is located approximately 900 feet east of the Gowanus Canal (Figure 1). As shown on the site plan (Figure 2), the site is bound to the northeast by First Avenue, to the southeast by Fourth Avenue to the northwest by Third Avenue, and to the southwest by Fourth Avenue. Topography at the site is flat. In the region of Brooklyn, where the site is located, the topography slopes gently towards the Gowanus Canal to the west. The surface of the site is covered by asphalt pavement, concrete and buildings.

Historically, the site contained four USTs that had been used to store diesel fuel and gasoline (Figure 2). Two of the USTs were located in the northern portion of the site (North UST Area) and two in the southern area of the site (South UST Area). The North UST Area contained two 2,500-gallon USTs that were used to store gasoline and diesel fuel, respectively. The South UST Area contained two 4,000-gallon USTs that were used to store gasoline and one for diesel fuel, respectively.

The Mendon Truck Leasing facility is located south of the site along Third Street. Operations at the Mendon site include fueling and maintenance of trucks.

1.2 Site Geology/Hydrogeology

The site is located within the area encompassed by the United States Geological Survey (USGS) Brooklyn, New York Topographic Quadrangle Map. The site is located at 40°40'37" North Latitude

and 73°53'13" West Longitude. The elevation of the site is approximately 35 feet above Mean Sea Level.

The native soils in Brooklyn (in the vicinity of the site) constitute the Upper Glacial Aquifer and are of comprised of an unsorted and unstratified mixture of sand, silt, clay, boulders, and gravel. These sediments are of Wisconsin Age in the Upper Pleistocene, are glacial in origin, and were deposited as moraine and outwash deposits.

Based on the relatively close proximity of the site to Gowanus Canal and the regional topographic slope from the east to the west, the regional flow of shallow groundwater at the site is expected to flow to the west-southwest. Historical water levels measured at the site indicate that groundwater is present at a depth of approximately 12 feet below grade (ft bg).

1.3 Project Background

In July 1996, Con Edison retained Environmental Concepts, Inc. (ECI) to perform an assessment of the North and South UST Areas in preparation for closure of the USTs. As part of the pre-closure assessment for each UST area, ECI excavated four soil borings, installed one groundwater monitoring well, and collected soil and groundwater samples for laboratory analysis. During 1998, after the pre-closure assessment was completed, the USTs were excavated and removed by Yellowstone Industries, Inc. (Yellowstone) which was under subcontract to ECI Building Corporation. In summary, a total of 535 tons of petroleum impacted soil were removed from the site during closure of the USTs. The results of the pre-UST-closure assessments and the UST closure activities are summarized below in Sections 1.3.1 and 1.3.2 below. On September 11 2000, the NYSDEC issued a correspondence to Con Edison indicating that the site was identified as a potential source of petroleum contamination at the Mendon Truck Leasing facility.

1.3.1 North UST Area

The analytical results for soil samples that were collected during the pre-closure assessment in the North UST Area indicated that volatile organic compounds (VOC) and semi-volatile organic compounds (SVOCs) were detected at concentrations that exceeded New York State Department of Environmental Conservation (NYSDEC) Spill Technology and Remediation Series (STARS) Memorandum No. 1 Guidance Values. Although groundwater sampling from the monitoring well in the North UST Area was initiated during the pre-closure assessment, a sample was not collected due to the observation of sheen on the groundwater.

On October 1, 1998, the 2,500-gallon USTs were excavated and removed from the North UST Area. During the UST removal, petroleum-impacted soil was removed from the UST excavations and disposed at a permitted disposal facility. On October 22, 1998, five confirmatory soil samples were collected from the excavation. One soil sample was collected from each of the four sidewalls and one sample was collected from the excavation bottom. The soil samples were analyzed for the NYSDEC STARS, Memorandum No. 1 list of VOCs using the Toxicity Characteristics Leaching Procedure

(TCLP) and for the Resource Conservation and Recovery Act (RCRA)-list of SVOCs using the TCLP.

The analytical results of the post-removal soil samples showed that the concentrations of VOCs and SVOCs that were detected exceeded their respective NYSDEC STARS Guidance Values. The VOCs concentrations ranged from 7.1 micrograms per kilogram (ug/kg) to 154,000 ug/kg. The SVOC concentrations ranged from 298 ug/kg to 13,500 ug/kg. In response to the detection of elevated VOCs and SVOCs in residual soil in the excavation, additional soil was subsequently excavated and disposed. On November 2, 1998, three additional post-excavation soil samples were collected from the excavation. The analytical results for these supplemental confirmatory soil samples also contained VOCs and SVOCs at concentrations above NYSDEC STARS Guidance Values. The VOCs concentrations ranged from 1.3 ug/kg to 474,000 ug/kg and the concentrations of the SVOCs that were detected ranged from 407 ug/kg to 12,500 ug/kg.

1.3.2 South UST Area

The analytical results for soil samples that were collected during the pre-closure assessment in the South UST Area indicated that VOCs and SVOCs were detected at concentrations that exceeded their respective NYSDEC STARS Alternative Guidance Values. The groundwater sample collected from the well in the South UST Area contained VOC constituents above NYSDEC Groundwater Quality Criteria (GWQC). The concentrations of the VOCs that were detected ranged from 160 micrograms per liter (ug/l) for benzene to 2,100 ug/l for total xylenes. No SVOCs were detected in groundwater.

On November 18, 1998, the USTs in the South UST Area were removed. Subsequently, petroleum-impacted soil was also removed from the excavation and disposed at a permitted disposal facility. On December 4, 1998, a total of eight post-excavation confirmatory soil samples were collected. The post-excavation confirmatory soil samples included one grab sample and one composite sample from each sidewall. The post-excavation confirmatory soil samples were analyzed for the NYSDEC STARS-List of VOCs using the TCLP and the RCRA-list of SVOCs using the TCLP. The analytical results of the post-excavation confirmatory soil samples indicated that five of the eight soil samples contained TCLP VOCs at concentrations above NYSDEC STARS Guidance Values. The concentrations of the TCLP VOCs detected ranged from 9 ug/l to 7,990 ug/l. The TCLP SVOCs concentrations were below the analytical method detection limits.

On December 4, 1998, a groundwater sample was collected from monitoring well MW-1, which is located in the vicinity of the South UST Area. The groundwater sample contained VOCs at concentrations that exceeded their respective GWQS groundwater standards. The VOCs concentrations ranged from 47.5 ug/l for n-butylbenzene to 2,450 ug/l for m, p-xylene.

On December 22, 1998, in response to the detection of VOCs and/or SVOCs in the post-excavation soil samples and/or groundwater samples that were collected from the South UST Area, additional soil was excavated. Immediately following the supplemental excavation, four supplemental post-excavation soil samples were collected from the newly exposed sidewalls and bottom to confirm that petroleum-contaminated soil was removed from the excavation. The soil samples were analyzed for

NYSDEC STARS-List of VOCs using the TCLP and the RCRA-list of SVOCs using the TCLP. The analytical results for the supplemental post-excavation confirmatory soil samples indicated that TCLP VOCs and TCLP SVOCs were detected at concentrations that were below their respective method detection limits (MDLs). Accordingly, the petroleum-impacted soil had been effectively excavated and removed.

1.3.3 Adjacent Property Evaluation

Based upon a meeting with Ms. Jane O'Connell and Ms. Kerry Foley of the NYSDEC, Mr. Angel Chang of Con Edison, and Marc Godick of JWC on June 20, 2000, the NYSDEC indicated that the Con Edison Third Ave Yard had been identified as a potential source of petroleum impact to the property to the south known as the Mendon Truck Leasing Facility. The Mendon Truck Leasing Facility is located at 354 Fourth Avenue, which is located south of the Con Edison facility. Ms. O'Connell requested that, as part of the site characterization for the subject facility, an evaluation performed of the likelihood that petroleum constituents from the subject site could have migrated from the site to the Mendon Truck Leasing Facility. To facilitate this evaluation, a Freedom of Information Law (FOIL) review was conducted of available files provided by the NYSDEC for the subject site and the Mendon Truck Leasing Facility.

1.4 Workplan Preparation

On June 20, 2000, a meeting was held with representatives from the NYSDEC and Con Edison. During this meeting, Con Edison agreed to develop a workplan that would describe the activities necessary to characterize the petroleum-impacted soil and/or groundwater that remained in the excavation after removal of the UST, and the associated impacted soils. Con Edison further agreed that, following implementation of a site characterization, it would implement supplemental investigative activities and/or remedial measures as deemed appropriate based on the results of the initial site characterization.

During 2000, Con Edison retained JWC to develop and implement a site characterization workplan. The workplan described the activities necessary to delineate the petroleum-impacted soil and groundwater at the Site and to evaluate potential off-site sources of contamination. The site characterization workplan was submitted to the NYSDEC on July 13, 2000 and was subsequently approved on November 27, 2000. In brief, the workplan included implementation of a field investigation and a file review.

The remainder of this report provides a description of the methods that were implemented during the field investigation, the results of the field investigation, and the findings of the file review.

2.0 METHODS OF CHARACTERIZATION

The site characterization was performed by JWC following the methods and protocols described in the June 2000 NYSDEC-approved workplan and the November 22, 2000 workplan addendum. Activities that were performed as part of the field investigation included project set-up and site preparation, excavating soil borings, installation of monitoring wells, fluid level gauging, and groundwater monitoring. The methods used to perform these activities are described below.

2.1 Project Set-up and Site Preparation

Prior to starting any invasive field activities, the activities listed below were performed to identify and address any potential safety issues at the site.

- Development of a site-specific Environmental Health and Safety Plan (E-HASP) that was approved by Con Edison prior to the commencement of field work;
- Review of subsurface utility information obtained from Con Edison; and
- Initiate a Code 753 utility mark-out survey.

2.2 Soil Boring and Soil Sampling

Due to the relatively high traffic and limited space at the facility, the soil borings were excavated using a direct push probe (DPP) drill rig. The DPP drilling method was selected to allow greater mobility and flexibility in the actual selection of soil borings in the field as compared to using a hollow stem auger (HSA) rig. Soil cores were collected continuously using two-inch diameter, four-foot long macro-core samplers from grade to the final depth of the boring. Upon retrieval, the respective soil core in the macro-core sampler was characterized in the field by the JWC geologist. The soil was characterized for physical properties, that included lithology, grain size, and moisture content, and for physical evidence of petroleum-related contamination, including staining, sheen, separate-phase product (SPP), odors, and VOCs. Screening of the soil for VOCs was performed using an organic vapor meter equipped with a photoionization detector (PID). The PID was calibrated at the start of each day using 100 parts per million (ppm) isobutylene standard gas.

A soil sample was collected from the soil core interval in the vadose zone of each boring with the highest total VOCs concentrations, based on measurements with the PID. The soil samples were collected into laboratory-supplied sample jars, sealed, labeled, and placed in a cooler containing ice. In soil borings where no evidence of petroleum-related contamination was encountered, a soil sample was collected for laboratory analysis from the interval immediately above the water table. The samples were analyzed by Environmental Testing Laboratories, Inc. (ETL) located in Farmingdale, New York for the NYSDEC STARS list of VOCs using the TCLP and Method 8021, and total lead using 6000/7000 series methods. Samples collected from the North UST Area were also analyzed for the stars list of SVOCs using the TCLP and Method 8270.

After the collection of soil samples, the soil borings were grouted with bentonite/cement slurry.

During the drilling activities, a polyethylene liner was placed under the drill rig to contain any potential spills resulting from equipment failure or leaks (e.g., motor oil, hydraulic fluid, diesel fuel, etc.). Drill cuttings were containerized and managed appropriately.

2.3 Monitoring Well Installation

Prior to monitoring well installation, a soil boring was excavated using a 6.5-inch diameter hollow stem auger. Each well was constructed with four-inch diameter polyvinyl chloride (PVC) casing and 10 feet of 0.01-inch slotted PVC screen. The screen was placed in the boring to straddled the water table. Clean filter sand was placed in the annulus between the borehole and the outside of the screen, from the bottom of the boring to a depth of two feet above the top of the screen. A bentonite seal was then placed above the filter sand, and the borehole annulus was grouted to grade with a bentonite/cement slurry. A protective flush-mount bolt-down road box was installed in concrete at the grade of each well.

Following installation, the monitoring wells were developed using a pump and surge block. In addition, each well was surveyed for horizontal location, top of well casing elevation (measuring point elevation), and top of manhole elevation. All elevations were surveyed relative to a permanent assumed on-site datum.

During the drilling activities, a polyethylene liner was placed under the drill rig to contain any potential spills resulting from equipment failure or leaks of motor oil, hydraulic fluid, and/or diesel fuel. Drill cuttings, purge water, and other investigation-derived wastes (IDW) were containerized and managed appropriately.

2.4 Groundwater Monitoring

Groundwater monitoring included fluid level gauging and groundwater sampling. The fluids levels in all on-site wells were gauged using an electronic water level meter and/or interface probe to determine the depth to water and SPP thickness, if any. Fluid level gauging was performed weekly from January 2001 to May 2001.

Prior to sampling each well, the depths to water and bottom of well were measured using an electronic oil-water interface probe. The well diameter and the thickness of water in each well were used to calculate the volume of water in the well (well volume). Subsequently, a peristaltic pump was used to purge a minimum of three well volumes of water from each well or until the field parameters, pH, temperature, conductivity, and turbidity measured in the purge water, had stabilized. Purge water and other IDW was containerized in 55-gallon drums, and disposed off-site at a permitted waste disposal facility.

After purging was complete, groundwater samples were collected using dedicated disposable polyethylene bailers. Groundwater samples were transferred directly from the bailer to laboratory-supplied sample bottles containing necessary preserving agents. The groundwater samples were analyzed by ETL for NYSDEC STARS list of VOCs using Method 8021. The groundwater samples

collected from the North UST Area were also analyzed for NYSDEC Stars list SVOCs using Method 8270. Temperature, pH, conductivity, and dissolved oxygen in pre- and post-purge groundwater grab samples were measured in the field during sampling.

3.0 RESULTS

The site characterization was conducted by JWC between December 2000 and May 2001. The results of the site characterization are discussed below. Results of the file review are provided in Section 4.0 of this report.

3.1 Soil Borings

A total of 17 soil borings were installed at the site between December 13, 2000 and December 15, 2000. The locations and designations of the soil borings and the former UST areas are presented in Figure 2. The boring logs are attached as Appendix A. Field observations of soil conditions encountered during the advancement of the soil borings are summarized below.

Seven soil borings designated B-1N through B-6N were installed at the North UST Area, and 10 soil borings designated B-11S through B-20S were installed at the South UST Area. All soil borings were excavated to a depth of 17 ft bg.

As shown in the soil boring logs, soil that was encountered from grade to approximately 12 ft bg typically consisted of brown to dark-brown fine to coarse sand with little to some silt and gravel. Soil that was encountered from 12 ft bg to 17 ft bg typically consisted of gray to gray-brown fine to coarse sand and silt with traces of silt, clay, and or gravel. Thin layers of organic sand and silt were encountered in soil borings B-3N and B-5N at depths of nine ft bg and 14 ft bg, respectively. During excavation of the soil borings groundwater was encountered between 10 ft bg and 12 ft bg.

Field observations for the borings in the North UST Area included staining, petroleum-like odors, and elevated total VOC concentrations based on PID readings. With the exception of a high VOC concentration detected in soil boring B-3N, VOCs were not detected or were less than 10 ppm in soil borings B-3N and B-5N. The total VOCs concentration in soil boring B-3N that was measured in soil in the 3 to 4 ft bg interval was 1,100 ppm. Total VOC concentrations detected in soil from soil borings B-1N, B-4N, B-6N, and B-7N were highest in the interval straddling the water table, followed by decreasing concentrations with depth. The maximum total VOC concentrations in the intervals straddling the water table in these soil borings ranged from 80 ppm in soil boring B-7N to 520 ppm in soil boring B-1N. Total VOCs concentrations in soil boring B-2N increased with depth with the highest concentration of 185 ppm at the bottom of the boring (17 ft bg).

Field observations in soil borings in the South UST Area included staining, petroleum-like odors, and elevated total VOCs concentrations based on PID readings. Total VOC were not detected or were less than 15 ppm in soil borings B-17S, B-18S and B-20S. Total VOC concentrations detected in soil borings B-11S, B-15S and B-16S increased in the interval that straddles the water table, followed by decreasing concentrations with depth. The maximum total VOC concentrations in the intervals straddling the water table ranged from 170 ppm in soil boring B-11S to 300 ppm in soil borings B-15S and B-16S. Elevated total VOC concentrations were

detected at approximately eight ft bg in soil borings B-12S, B-13S and B-19S. During drilling of these borings, groundwater was encountered in these borings at 12 ft bg on average. Accordingly, the elevated total VOCs in these borings appears to be generally limited to the vadose zone. Total VOC concentrations in soil boring B-14S increased with depth with the highest concentration of 2,000 ppm at the bottom of the boring at 17 ft bg.

3.2 Installation of Groundwater Monitoring Wells

A total of 13 groundwater monitoring wells were installed between December 18, 2000 and December 20, 2000. The monitoring wells were installed based on the field screening results. Five groundwater monitoring wells, which were designated MW-1N through MW-5N, were installed in the North UST Area at soil boring locations B-1N through B-5N, respectively. All of the wells in the North UST Area were installed to 18 ft bg. Seven groundwater monitoring wells, which were designated MW-11S through MW-14S, and MW-18S through MW-20S, were installed in the South UST Area at soil boring locations B-11S through B-14S, and B-18S through B-20S, respectively. The depths of the monitoring wells in the South UST Area ranged between 18 and 19 ft bg. Monitoring well construction logs are provided in Appendix A.

The ground surface and top of well casing elevation of each well were surveyed. Elevations were measured to the nearest 0.01 foot relative to an assumed on-site datum. Well construction details and the elevation data for each well are summarized in Table 1.

3.3 Soil Quality

The analytical data for soil samples are summarized in Table 2, the laboratory data sheets for soil samples are provided in Appendix B. The soil analytical data for the North and South UST Areas is also posted on Figures 3A and 3B, respectively. The analytical results are discussed below.

North UST Area

A total of 14 TCLP VOCs were detected. As shown in Table 2 and on Figure 3, 13 of the VOCs detected exceeded their respective NYSDEC STARS Guidance Values. With the exception of 1,2,4-trimethybenzene detected in sample B-1N (9-10'), VOCs that exceeded their NYSDEC Guidance Values were limited to sample B-2N (11-12') and B-4N (11-12').

Although the concentrations of methyl tertiary-butyl ether (MTBE) that were determined using the TCLP method of analysis did not exceed its NYSDEC Guidance Values, the concentration of total MTBE exceeded the NYSDEC Soil Cleanup Objective (SCO) of 120 ug/kg (Technical Administrative Guidance Memorandum No. 4046 (TAGM 4046) and the STARS Alternative Guidance Value of 200 ug/kg. The concentrations of MTBE detected in soil samples B-2N (11-12'), B-6N (9-10'), and B-7N (11-12') at concentrations of 564 ug/kg, 367 ug/kg, and 457 ug/kg, respectively, exceed the NYSDEC SCO and Alternative Guidance Value for MTBE.

Six SVOCs were detected in soil samples from the North UST Area. It is noted that naphthalene was reported as a VOC rather than a SVOC. No other SVOCs were detected above the Guidance Values.

Lead was detected at low concentrations in soil samples collected from four of the seven soil borings in the North UST Area. None of the concentrations of lead exceeded the United States Environmental Protection Agency's Interim Lead Hazard Guidance of 400 milligrams per kilogram (mg/kg).

South UST Area

A total of 11 TCLP VOCs were detected in soil samples from the South UST Area. As shown in Table 2 and on Figure 3, benzene, 1,2,4-trimethylbenzene, p-isopropyl-toluene, naphthalene, and MTBE exceeded their respective NYSDEC Guidance Values. These VOCs were detected at elevated concentrations in soil samples B-11S (8-9'), B-13S (8-9'), B-14S (8-9'), and B-17S (8-9'). Total MTBE was detected in soil boring B-13S at a concentration of 2,790 ug/kg, which exceeds the NYSDEC SCO and Alternative Guidance Value.

Lead was detected at low concentrations in all of the soil samples collected from the 10 soil borings in the South UST Area. None of the concentrations of lead exceeded the United States Environmental Protection Agency's Interim Lead Hazard Guidance of 400 mg/kg.

3.4 Groundwater Monitoring

Groundwater monitoring included fluid gauging and collection of groundwater samples. The results of these activities are described below.

3.4.1 Fluid-Level Gauging and Groundwater Flow

JWC personnel measured fluid levels in each of the monitoring wells on a weekly basis from January 18, 2001 through May 17, 2001. The fluid level gauging results are summarized in Table 3. Using the surveyed measuring point elevation of each well, the depth to water measurements were converted to elevations relative to the assumed on-site datum. The water table elevations from the February 7, 2001 and May 17, 2001 gauging events were subsequently posted on the site plan map to evaluate the direction of groundwater flow (Figure 4). The groundwater elevation data presented on Figure 4 does not indicate a predominant flow direction, and accordingly, the data was not contoured.

3.4.2 Groundwater Quality

Groundwater sampling was performed by JWC on February 7 and 8, 2001. As part of the groundwater monitoring program, water-quality parameters were measured in the field (field parameters) during sampling, and groundwater samples were collected for laboratory analysis. The results of the field parameter measurements and the groundwater sample analytical results are discussed below.

3.4.2.1 Field Parameters

The field parameters included pH, temperature, specific conductance, turbidity, dissolved oxygen (DO), and oxidation reduction potential (ORP). The field parameter measurements are summarized in Table 4. The first four of these parameters were measured primarily as indicators that purging of the well was complete, and to assess the overall quality of the water. Whereas, DO and ORP were measured to evaluate the overall water quality and to assess the occurrence of biological activity.

The results in Table 4 show that pH ranged from 6.69 standard units (s.u.) in well MW-11S to 7.75 (s.u.) in well MW-3N. Temperature ranged from 13.28 °C in well MW-18S to 16.46 °C in well MW-11S. Specific conductance ranged from 1,404 microhos per centimeter (umhos/cm) in well MW-19S to 8,310 umhos/cm in well MW-20S. Turbidity ranged from 7.33 nephelometric turbidity units (ntu) in well MW-5N to 1,980 ntu in well MW-1N. Dissolved oxygen ranged from 0.15 milligrams per Liter (mg/L) in well MW-12S to 3.46 mg/L in well MW-19S. The ORP ranged from –138 millivolts (mV) in well MW-19S to –357 mV in well MW-11S.

The field parameters show that the overall water quality is characterized by cirum-neutral pH, and is anaerobic to mildly aerobic. The absence of DO has produced reducing conditions.

3.4.2.2 Groundwater Analytical Results

Groundwater analytical results are summarized in Table 5 and the laboratory data sheets for the groundwater samples are provided in Appendix C. The groundwater analytical data for the North and South UST Areas are also posted on Figures 5A and 5B, respectively. The analytical results are discussed below.

North UST Area

Due to the detection of SPP in monitoring well MW-4N, a groundwater sample was collected from this well.

Thirteen VOCs were detected in groundwater in the North UST Area. Except for MTBE, all of the VOCs were detected in monitoring well MW-1N, which is located immediately adjacent to the former USTs in this area of the site. All of the VOCs detected in monitoring well MW-1N exceeded their respective NYSDEC GWQC. The concentration of MTBE detected in monitoring well MW-3N also exceeded the NYSDEC GWQC.

Nine SVOCs were detected in groundwater. No SVOCs were detected at concentrations that exceeded their respective NYSDEC GWQC.

Lead was detected at concentrations that exceeded its NYSDEC GWQC and ranged from less than the MDL in well MW-5N to 507 ug/l in well MW-1N.

South UST Area

Excluding methylene chloride and chloroform, common laboratory contaminants, 13 VOCs were detected in groundwater in the South UST Area. All of the VOCs, including MTBE that were detected in monitoring wells MW-11S and MW-14S, exceeded their respective NYSDEC GWQC. Both of these wells are located immediately downgradient from the former USTs in the South UST Area. The concentrations of MTBE and 1,2,4-trimethylbenzene detected in monitoring well MW-12S were 198 ug/l and 6.4 ug/l, which exceed the MTBE NYSDEC GWQC for these compounds. No VOCs were detected in downgradient monitoring wells MW-18S through MW-20S.

Groundwater samples collected from monitoring wells in the South UST Area were not analyzed for SVOCs.

Lead was detected in three of the seven groundwater monitoring wells in the South UST Area. The concentration of lead in monitoring well MW-11S exceeded the NYSDEC QWC. The lead concentrations in groundwater at wells MW-12S, MW-13S, MW-14S and MW-19S were below the NYSDEC GWQC for lead. Lead was not detected in monitoring wells MW-18S and MW-20S.

3.5 Investigation-Derived Waste Data and Disposal

Waste material generated during the site characterization included liquid waste such as well development water, decontamination fluids, and purge water, and solids that included soil cuttings, disposable personal protective equipment and debris. Excluding recovered product, analytical results for waste material generated during the site characterization showed that the waste material was non-hazardous. The waste was transported and disposed at a licensed disposal facility. The waste characterization analytical results are provided in Appendix D.

3.6 Summary of Site Characterization Results

The results of the site characterization are summarized below.

- The water table at the site occurs at approximately 12 ft bg and is generally flat.

- Soil in the immediate vicinity of the former USTs in the North UST Area contained multiple VOCs and naphthalene at concentrations that exceeded their respective NYSDEC STARS Guidance Values. The majority of the petroleum-impacted soil was observed in soil borings B-2N and B-4N, with less extensive contamination occurring at soil boring B-1N and B-3N.

- Soil in the immediate vicinity of the former USTs in the South UST Area contained benzene, 1,2,4-trimethylbenzene, p-isopropyltoluene, and naphthalene at concentrations that exceeded their respective NYSDEC STARS Guidance Values. The petroleum-impacted soil was limited to the vicinity of soil borings B-11S, B-13S, B-14S, and B-17S.

- SPP that ranged in thickness from less than 0.01 feet to 0.26 feet was detected in monitoring well MW-4N. The results of the petroleum product fingerprint analysis for the SPP in monitoring well MW-4N showed the product to be gasoline. SPP was detected once during the five-month period of weekly gauging in monitoring well MW-14S. The SPP thickness of 0.01 feet in MW-14S was detected on April 5, 2000.

- With the exception of MTBE, the concentration VOCs and SVOCs detected in groundwater in the North UST Area that exceeded their respective NYSDEC GWQC were limited to monitoring well MW-1N. The concentration of MTBE detected in monitoring well MW-3S exceeded its NYSDEC GWQC. No SVOCs were detected above the NYSDEC GWQC.

- With the exception of MTBE, the concentration VOCs and SVOCs detected in groundwater in the South UST Area that exceeded their respective NYSDEC GWQC were limited to monitoring wells MW-11S, MW-12S, and MW-14S. Lead was detected in monitoring well MW-11S at a concentration that exceeded its NYSDEC GWQC.

4.0 FILE REVIEW

4.1 File Review Documents

To facilitate this evaluation, a Freedom of Information Law (FOIL) review was conducted of available files provided by the NYSDEC for the subject site and the Mendon Truck Leasing Facility. The following documents, presented in chronological order, were reviewed:

- NYSDEC Spill Report Form, Spill No. 9605014, Con Edison, July 17, 1996.
- NYSDEC Spill Report Form, Spill No. 9608854, Con Edison, October 16, 1996.
- NYSDEC Spill Report Form, Spill No. 9702563, Con Edison, May 30, 1997.
- Correspondence to NYSDEC, Site Assessments for Underground Storage Tank Closures at Con Edison's Third Avenue Yard, Con Edison, February 10, 1997.
- NYSDEC Spill Report Form, Spill No. 9800967, Mendon Truck Leasing, April 22, 1998.
- Corrective Action Investigation Plan for the Mendon Truck Leasing Facility, Liro-Kassner, Inc., May 18, 1998.
- Corrective Action Plan Report for the Mendon Truck Leasing Facility, Liro-Kassner, Inc., June 1998.
- NYSDEC Petroleum Bulk Storage - Facility Information Report, Mendon Leasing Corp., June 17, 1998.
- Correspondence to NYSDEC, Petroleum Bulk Storage Facility Modifications, Con Edison, April 2, 1998.
- Stipulation Agreement for the Mendon Truck Leasing Facility, June 22, 1998.
- NYSDEC Spill Report Form, Spill No. 9808009, Con Edison, September 30, 1998.
- Water Level Monitoring and Product Bailing Results for Mendon Truck Leasing – Month of September, Liro-Kassner, Inc., October 1, 1998.
- Water Level Monitoring and Product Bailing Results for Mendon Truck Leasing – Month of October, Liro-Kassner, Inc., October 30, 1998.
- Water Level Monitoring and Product Bailing Results for Mendon Truck Leasing – Month of November, Liro-Kassner, Inc., December 11, 1998.
- Water Level Monitoring and Product Bailing Results for Mendon Truck Leasing – Month of December, Liro-Kassner, Inc., January 7, 1999.
- NYSDEC Spill Report Form, Spill No. 9812500, Con Edison, January 9, 1999.
- Corrective Action Monitoring Report for the Mendon Truck Leasing Facility, Liro-Kassner, Inc., August 1999.
- Corrective Action Monitoring Report for the Mendon Truck Leasing Facility, Liro-Kassner, Inc., December 1999.
- Corrective Action Monitoring Report for the Mendon Truck Leasing Facility, Liro-Kassner, Inc., February 2000.
- Corrective Action Monitoring Report for the Mendon Truck Leasing Facility, Liro-Kassner, Inc., March 2000.
- Corrective Action Monitoring Report for the Mendon Truck Leasing Facility, Liro-Kassner, Inc., April 2000.

- Corrective Action Monitoring Report for the Mendon Truck Leasing Facility, Liro-Kassner, Inc., May 2000.
- Corrective Action Monitoring Report for the Mendon Truck Leasing Facility, Liro-Kassner, Inc., June 2000.
- Corrective Action Report and Site Closure Proposal for the Mendon Truck Leasing Facility, Liro-Kassner, Inc., July 2000.
- Correspondence To NYSDEC, UST Closure Summary, Con Edison, July 24, 2000.
- NYSDEC Petroleum Bulk Storage - Facility Information Report, Parkside Service Center, Inc., August 29, 2000.
- Correspondence to NYSDEC, Mendon Truck Leasing Facility Remediation System, Liro-Kassner, Inc., September 1, 2000.
- Correspondence to Con Edison, Third Avenue Yard UST Closure Summary and Site Investigation Workplan, NYSDEC, September 11, 2000.

Details of the review for the above documents are provided below.

4.2 File Review Results

A review of available documents, provided by the NYSDEC, for the Con Edison Third Avenue Yard and the Mendon Truck Leasing Facility, was completed to assist in evaluating the likelihood as to whether petroleum constituents from the subject site have migrated to the Mendon Truck Leasing Facility. Provided below are the results of this review.

Spill & Petroleum Bulk Storage Reports

The report for Spill No. 9695014 was related to contaminated soil being encountered in the vicinity of the gasoline USTs at the Con Edison Third Avenue Yard facility. For Spill No. 9608854, elevated levels of VOCs were observed while installing a well for a UST tightness test. For Spill No. 9702563, a vehicle was apparently overfilled during fueling, resulting in a release to the ground surface. For Spill No. 9808009, the NYSDEC was notified of a spill because of apparent gasoline-impacted soil being encountered during the removal of the gasoline USTs at the site in 1998. Consequently, since the release was UST related, the NYSDEC cross-referenced Spill No. 9808009 to Spill No. 9605014. For Spill No. 9812500, an apparent diesel fuel sheen was reported in a trench where a contractor was installing a new gas fuel line. The April 2, 1998 correspondence provided an update of the Petroleum Bulk Storage registration reflecting the planned closure of the USTs at the Con Edison Third Avenue Yard.

For Spill No. 9800967, contaminated soil was encountered during the removal of USTs at the Mendon Truck Leasing Facility. The PBS Facility Information Report indicated that the Mendon Truck Leasing Facility had closed 10 550-gallon diesel fuel USTs and two 550-gallon gasoline USTs. The diesel fuel USTs were closed in April 1998, with the date of closure for the gasoline USTs not being defined.

The PBS Facility Information Report for the Parkside Service Center indicated that one 4,000-gallon and 11 550-gallon gasoline USTs were closed in August 1994.

Stipulation Agreement for the Mendon Truck Leasing Facility

Effective July 1, 1998, Retaco Holding Co., LLP entered into a Stipulation Agreement in connection with remediation at the Mendon Truck Leasing Facility. The Stipulation Agreement allowed implementation and operation of a remediation system without the need for NYSDEC permits.

Water Level Monitoring and Product Bailing Reports for Mendon Truck Leasing Facility

Between September and December 1998, Liro-Kassner, Inc conducted monthly gauging and recovery of SPP by bailing. During the initial visit in September 1998, four of the on-site wells contained separate phase diesel fuel and gasoline ranging in thickness between 0.10 feet and 12.73 feet. By December 1998, the thickness of SPP within the wells at the Mendon Truck Leasing Facility ranged between 0.03 feet and 0.62 feet.

Corrective Action Investigation and Plan Reports for Mendon Truck Leasing Facility

The June 1998 Corrective Action Plan Report included site investigation data for the Mendon Truck Leasing Facility, as well a plan for implementation of a dual-phase extraction (DPE) remediation system. Liro-Kassner, Inc. conducted the work on behalf of Retaco Holding Co., LLP.

As part of the related assessment activities, Liro-Kassner, Inc. installed 18 monitoring wells and conducted soil sampling at several of the associated borings. Liro-Kassner, Inc. identified that four of the monitoring wells at the Mendon Truck Leasing Facility contained separate phase diesel fuel and gasoline.

Based upon groundwater elevation data collected in June 1998, Liro-Kassner, Inc. reported that the local groundwater flow direction at the Mendon Truck Leasing Facility was generally to the west-southwest at a gradient of 0.005 feet/feet. JWC reviewed the elevation data provided in the Corrective Action Plan Report to evaluate the inconsistency between the lack of a predominant groundwater flow direction at the Con Edison Third Avenue Yard, and the apparent predominant flow direction at the Mendon Truck Leasing Facility. It appears that Liro-Kassner, Inc. omitted elevation data for two monitoring wells, which would drastically alter the apparent groundwater flow direction. The groundwater elevations for the two wells omitted, MW-2 and MW-10, which are located in the center of the property, were approximately four feet higher than the surrounding monitoring wells. This data indicates that there was considerable mounding in the center portion of the property essentially creating a groundwater divide. This would suggest that the local groundwater flow direction for the north and east portions of the site would be to the east-northeast, and to the west-southwest for the south and west portions of the site.

Based upon a history of documented releases and elevated dissolved phase VOCs and SVOCs in the monitoring wells located at the Mendon Truck Leasing Facility property, Liro-Kassner, Inc. alleged that the Con Edison Third Ave Yard and the Parkside Service Center property were potential sources of contamination affecting the Mendon Truck Leasing Facility.

The northernmost boring and monitoring well locations situated on the Mendon Truck Leasing facility are depicted on Figure 2, which include B-6, B-13, MW-8, MW-9, MW-11, and MW-E3. A summary of the soil and groundwater data for these locations is provided below:

	Soil		Groundwater	
Location	Total VOCs (ug/kg)	Total SVOCs (ug/kg)	Total VOCs (ug/l)	Total SVOCs (ug/l)
B-6	16.2	1.05	NA	NA
B-13	ND	1,271	NA	NA
MW-8	25,790	485,710	1,692	8,453
MW-9	ND	ND	5	43
MW-11	321	ND	6	ND
MW-E3	NA	NA	198	1,093

ND – not detected NA – not analyzed

The soil and groundwater VOC and SVOC concentrations for the locations situated along the northeast portion of the Mendon Truck Leasing Facility (B-6 & MW-11) are relatively low. Based upon the considerable distance of these locations relative to the former USTs at the Con Edison facility, this data suggests that potential petroleum related contamination situated at the Con Edison property is not likely affecting the northeast portion of the Mendon Truck Leasing Facility.

When comparing the soil and groundwater data for the locations situated along the northwestern portion of the Mendon Truck Leasing Facility (B-13, MW-8, MW-9 & MW-E3), it is clear that the SVOC concentrations are an order of magnitude greater compared to the VOC concentrations. Considering that the physical characteristics of SVOCs are less mobile compared to VOCs, JWC would expect the reverse to be true, especially since the alleged source of contamination at the Con Edison Third Avenue is a considerable distance away from these monitoring wells. If the local groundwater flow direction was in a west-southwesterly direction, the most upgradient locations in this portion of the Mendon Truck Leasing Facility relative to the Con Edison facility would be MW-9 and B-13. When comparing the soil and groundwater data for MW-9 and B-13 to the data for MW-8 and MW-E3, the VOC and SVOC concentrations for the upgradient locations are an order of magnitude lower. This suggests that the elevated VOCs and SVOCs are not likely attributable to contamination emanating from the Con Edison facility, but rather from an unidentified source situated on or adjacent to this portion of the Mendon Truck Leasing Facility.

Corrective Action Monitoring Reports and Related Correspondence for the Mendon Truck Leasing Facility

The Corrective Action Monitoring reports prepared by Liro-Kassner, Inc. document the installation and operation of a DPE remediation system. The DPE system consisted of 24 wells connected to a common header, which in turn was connected to a liquid ring pump. The liquid ring pump generated a high vacuum to simultaneously remove liquids and vapors from each well. Vapors were treated with granular activated carbon and then to the atmosphere via a stack. The liquids were treated with an

oil/water separator followed by an air stripper, and then discharged to the New York City sanitary sewer system.

Operation of the remediation system was initiated on July 21, 1999, with full start-up commencing on August 16, 1999. The system was shut down in June 2000. Since the submittal of the Corrective Action Plan Report in 1998 to the NYSDEC, construction of Pep Boys and Staples retail stores was completed on the Mendon Truck Leasing Facility property by late 1999.

In July 1999, SPP was measured in four wells with thicknesses ranging between 0.02 feet and 1.47 feet. The SPP thickness in the wells generally decreased with time during operation of the system. In July 2000, none of the wells at the Mendon Truck Leasing Facility contained measurable SPP.

Within the July 2000 report, Liro-Kassner, Inc. again reiterated potential impact to the Mendon Truck Leasing Facility from off-site sources emanating from the Parkside Service Station Property and the Con Edison Third Avenue Yard. Liro-Kassner, Inc. specifically referred to a monitoring well containing elevated levels of VOCs located on the northeast portion of the Mendon Truck Leasing Facility, which is immediately adjacent to the Parkside Service Center. No elevated monitoring well results were noted as being attributable to the Con Edison facility. The northernmost monitoring wells discussed for the 1998 Corrective Action Plan Report for the Mendon Truck Leasing Facility were not sampled in 2000. Based upon JWC's review of the monitoring reports, no new data was provided to suggest that contaminants emanating from the Con Edison Third Yard have impacted the Mendon Truck Leasing Facility.

The September 1, 2000 correspondence, prepared by Liro-Kassner, Inc., indicated that the system remained shut down and that a "Letter of No Further Action" was anticipated from the NYSDEC. Confirmatory groundwater sampling was to be completed at the Mendon Truck Leasing Facility. This data was not available at the time of JWC's file review.

Site Assessment and Tank Closure Related Documents for the Con Edison Third Avenue Yard

The February 10, 1997 correspondence, prepared by Con Edison, outlines the submittal to the NYSDEC of site assessments completed for each of the former UST areas at the Third Avenue Yard. The site assessments were completed prior to the removal of the USTs in 1998. The assessment results indicated petroleum impact to soil and groundwater in both UST areas.

The July 24, 2000 correspondence, prepared by Con Edison, outlines the submittal to the NYSDEC of a closure report for the removal of the two 2,500-gallon USTs and two 4,000-gallon USTs located on the northern and southern portions of the site, respectively. This submittal included a workplan for implementation of the site characterization for the area of the former USTs, which is the subject of this report.

The September 11, 2000 correspondence, prepared by the NYSDEC, provided comments to Con Edison related to the site characterization workplan. The NYSDEC indicated that the Mendon Truck Leasing Facility was located to the south of the Con Edison Third Avenue Yard, and dependent upon the outcome of the site characterization, additional downgradient delineation may be required.

5.0 CONCLUSIONS AND RECOMMENDATIONS

The site characterization was initiated in response to historical observations of petroleum-impacted soil and groundwater related to former operation of former UST systems located at the Con Edison Third Avenue Yard. The primary objectives of the characterization were to delineate the extent of contaminated soil and groundwater, and to evaluate the potential of off-site migration from petroleum constituents emanating from the former UST systems.

Based on the findings presented in this report, JWC has developed the conclusions listed below:

- A FOIL review of available documents provided by the NYSDEC for the Con Edison Third Avenue Yard and the Mendon Truck Leasing Facility was completed to assist in evaluating the likelihood as to whether petroleum constituents from the subject site have migrated to the Mendon Truck Leasing Facility.

  The Corrective Action Plan Report prepared by Liro-Kassner, Inc. reported that the local groundwater flow direction at the Mendon Truck Leasing Facility was generally to the west-southwest. It appears that Liro-Kassner, Inc. omitted elevation data for two monitoring wells, which would drastically alter the apparent groundwater flow direction. The groundwater elevations for the two wells omitted, MW-2 and MW-10, which are located in the center of the property, were approximately four feet higher than the surrounding monitoring wells. This data indicates that there is considerable mounding in the center portion of the property essentially creating a groundwater divide. This would suggest that the local groundwater flow direction for the north and east portions of the Mendon Truck Leasing Facility would be to the east-northeast, and to the west-southwest for the south and west portions of the site.

  The soil and groundwater quality data collected from borings and monitoring wells located on the northern portion of the Mendon Truck Leasing Facility, as outlined in the Corrective Action Plan Report prepared by Liro-Kassner, was reviewed. The data does not indicate migration of contaminants from the Con Edison Third Avenue Yard to the Mendon Truck Leasing Facility. Furthermore, the data indicates that the elevated VOCs and SVOCs along the northwestern portion of the Mendon Truck Leasing Facility may be attributable to an unidentified source situated on or adjacent to this portion of the Mendon Truck Leasing Facility.

- The groundwater elevation data for the Con Edison Third Avenue Yard does not indicate a predominant local groundwater flow direction.

- The soil quality data for the site characterization completed at the Con Edison Third Avenue Yard indicates that the SVOC concentrations for all boring locations were generally below STARS Memo No. 1 Guidance Values. The VOC concentrations for soil borings located in the vicinity of the Former South UST Area were generally below STARS Memo No. 1 Guidance Values. Soil samples collected from three borings located in the vicinity Former

North UST Area, B-1N, B-2N, and B-4N, contained VOCs exceeding STARS Memo No. 1 Guidance Values. The VOC results for the remaining boring locations in the vicinity of the Former North UST Area were below the Guidance Values.

- Gauging of the on-site wells indicated that one well located in the vicinity of the Former North UST Area, MW-4N, contained measurable SPP. The measurable SPP thickness ranged between 0.01 feet and 0.26 feet. Following implementation of the ongoing passive product recovery program, the SPP thickness for MW-4N has not been detected between visits. No other wells in the Former North UST Area contained SPP.

  One monitoring well located in the South UST Area, MW-14S, contained SPP with a thickness of 0.01 feet. The detected SPP within MW-14S was an isolated occurrence on April 5, 2000. No other monitoring wells in the Former South UST Area contained SPP.

- The groundwater analytical data indicates that VOC levels exceeded the NYSDEC Ground Water Quality Standards for the monitoring wells located at the Con Edison Third Avenue Yard located in the vicinity of each UST area. However, the data suggests that the VOC impact is limited to the immediate vicinity of each UST area.

  The monitoring wells located along the northern (MW-5N) and the southern (MW-18S, MW-19S & MW-20S) UST areas did not contain detectable concentration of VOCs. Consequently, there is no evidence of off-site migration of VOCs from the former USTs. SVOCs were also not detected in groundwater above the NYSDEC Ground Water Quality Standards for these wells.

Based upon the above conclusions, JWC has developed the following recommendations:

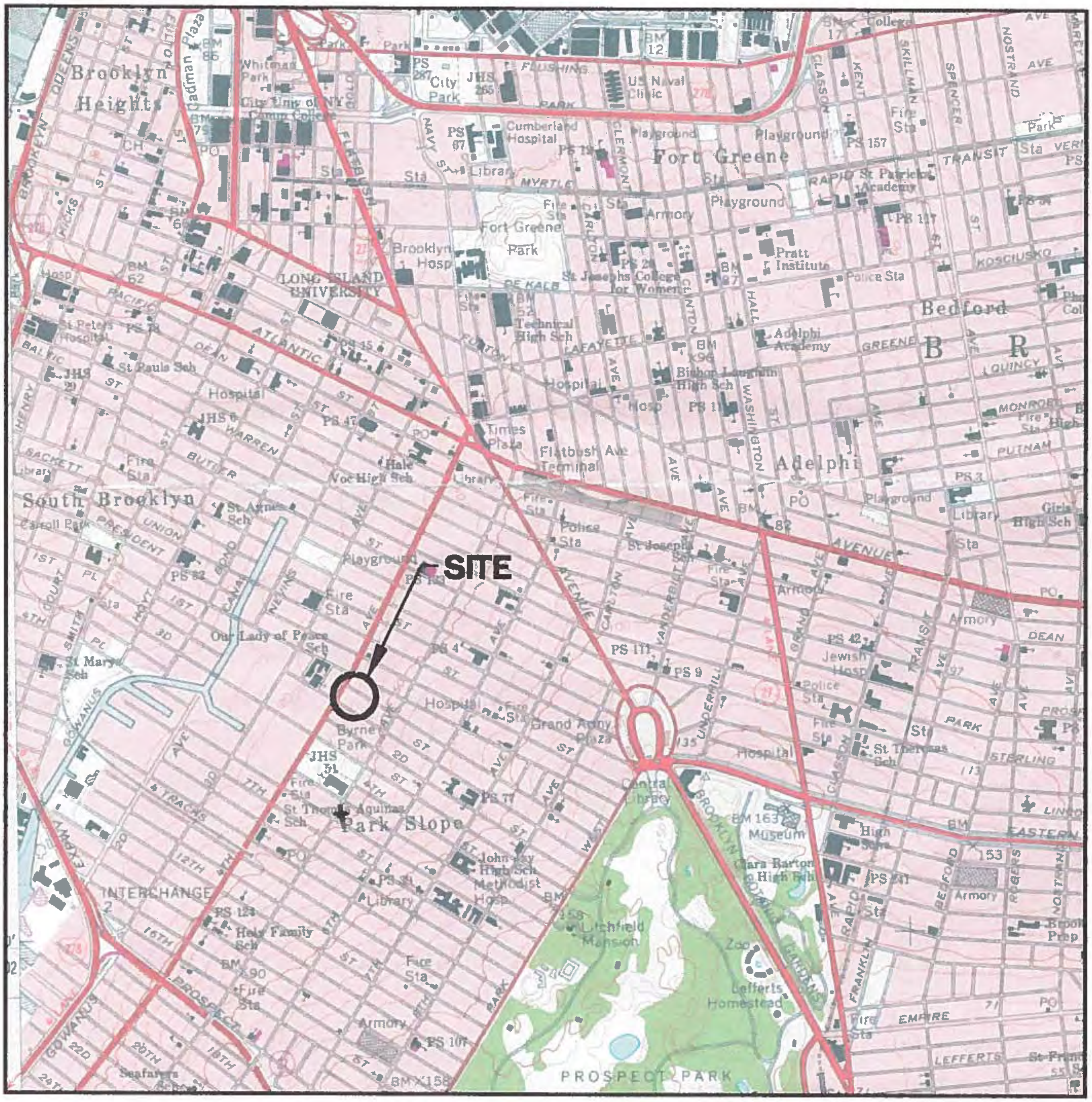
- A formal groundwater monitoring program should be implemented for the site as follows:

  - Monthly gauging of the on-site monitoring wells should be continued. If measurable SPP is detected, passive recovery by bailing and/or deployment of absorbent media. The frequency of gauging should be adjusted based upon the amount of SPP detected between visits.

  - Quarterly groundwater sampling of each on-site monitoring well for VOCs should be implemented.

- Additional groundwater delineation is warranted for the Former North UST Area. Specifically, two monitoring wells should be installed in this area to evaluate potential VOC impact to the west and northeast of the existing wells. No additional groundwater delineation is recommended for the South UST Area.

- Following implementation of the above recommendations, a Corrective Action Plan should be developed to outline appropriate remedial actions to address petroleum impact resulting from the former USTs at the site.



MAP SOURCE:

UNITED STATES GEOLOGICAL SURVEY
TOPOGRAPHIC MAPS

BROOKLYN, NY

N4037.5–W7352.5/7.5
1967
PHOTOREVISED 1979

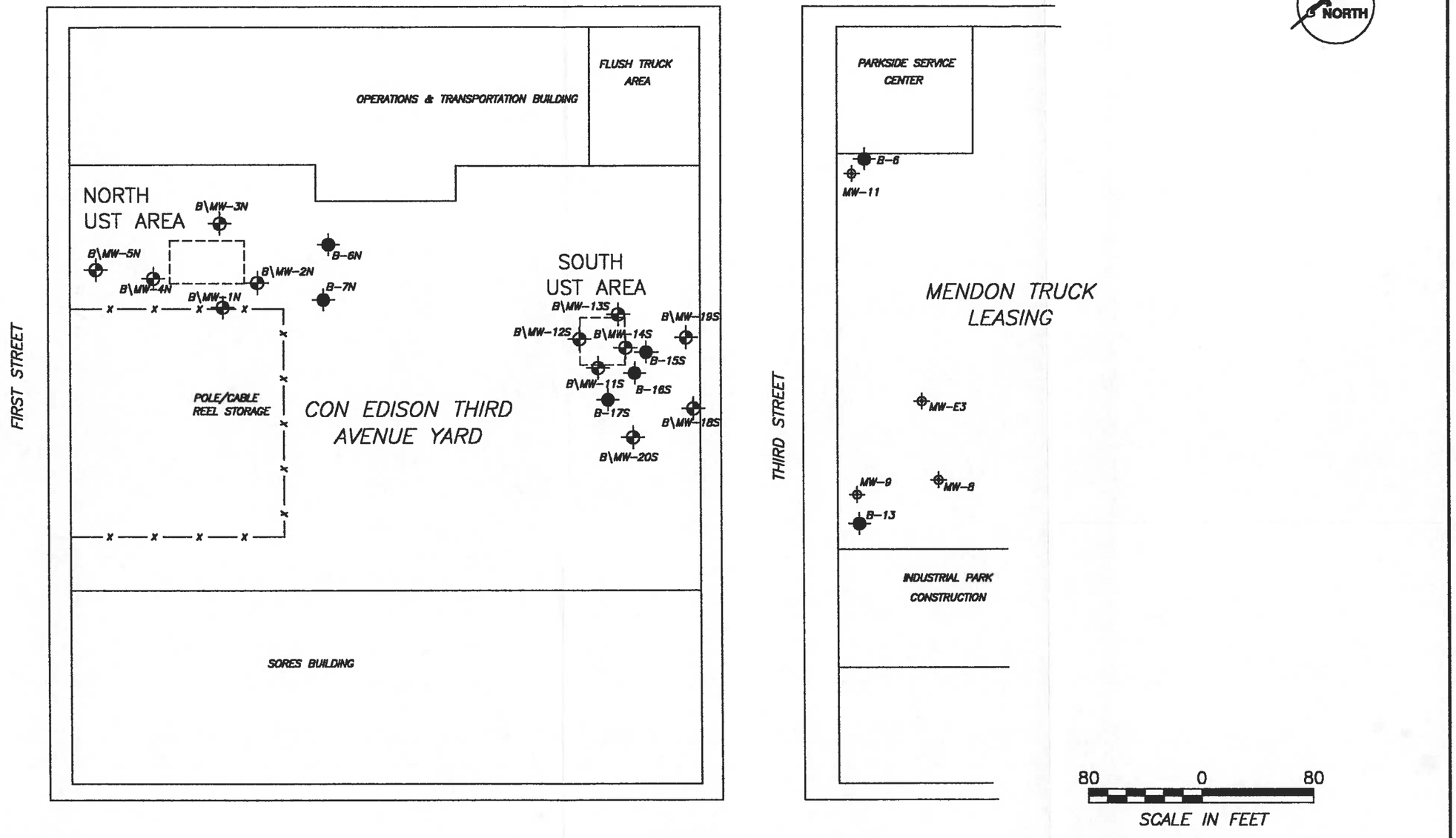
NORTH

2000 0 2000

Scale in feet

Jacques Whitford Company, Inc.

JACQUES WHITFORD LOCATION:					DRAWING TITLE:
PORTSMOUTH, NEW HAMPSHIRE					SITE LOCATION MAP 222 1st STREET BROOKLYN, NEW YORK
DATE PREPARED: 5-25-01	DESIGNED BY: NO	DRAWN BY: PD	CHECKED BY: BSB	REVIEWED BY: MG	
REVISION DATE:	REVISION NO:	DRAWN BY:	CHECKED BY:	REVIEWED BY:	
PROJECT NAME/FILE NAME: 3RD AVE/FIG-1		PROJECT NUMBER/PHASE: NHP99202/17		SCALE: 1:24000	PREPARED FOR: CONED — FIGURE NO. 1



Legend

- B\MW-5N — BORING/MONITORING WELL LOCATION
- MW-9 — MONITORING WELL LOCATION
- B-15S — BORING LOCATION

SOURCE: INFORMATION FOR SOUTH SIDE OF THIRD STREET BASED UPON FIGURE 4-2 OF CORRECTIVE ACTION PLAN REPORT FOR THE MENDON TRUCK LEASING FACILITY, JUNE 1998"

Jacques Whitford Company, Inc.

JACQUES WHITFORD LOCATION: PORTSMOUTH, NEW HAMPSHIRE					DRAWING TITLE: SITE PLAN 222 1ST STREET BROOKLYN, NEW YORK
DATE PREPARED: 5-25-01	DESIGNED BY: NO	DRAWN BY: CLN	CHECKED BY: BSB	REVIEWED BY: MG	
REVISION DATE:	REVISION NO:	DRAWN BY:	CHECKED BY:	REVIEWED BY:	
PROJECT NAME/FILE NAME: 3RD AVE./BORINGLOCAL		PROJECT NUMBER/PHASE: NHP99202/17	SCALE: 1"=80'		PREPARED FOR: CON EDISON

FIGURE NO. 2

B-4N (11-12')	
VOCs (TCLP)	
MTBE	17
Benzene	**78**
Toluene	**200**
Ethyl Benzene	**390**
m,p-xylene	**970**
o-xylene	**730**
Xylene Total	**1700**
Isopropyl benzene	**63**
n-Propyl benzene	**100**
1,3,5-Trimethyl benzene	**230**
1,2,4-Trimethyl benzene	**790**
p-Isopropyltoluene	**15**
n-Butylbenzene	**30**
Naphthalene	**1500**
SVOCs (TCLP)	
Acenaphthene	14
Fluorene	1.7
Phenanthrene	1

B-3N (9-10')	
VOCs (TCLP)	
MTBE	2.8
1,3,5-Trimethyl benzene	0.5
SVOCs (TCLP)	
Acenaphthene	0.65 J
Fluorene	0.26 J
Phenanthrene	0.77
Fluoranthene	0.23 J

B-3N

B-5N (8-10')	
VOCs (TCLP)	
MTBE	2.8

B-5N

B-4N

NORTH
UST AREA

B-2N (11-12')	
VOCs (TCLP)	
MTBE	3.1
Benzene	**1.8**
Toluene	2.9
Ethyl Benzene	**7.9**
m,p-xylene	**20**
o-xylene	3.5
Xylene Total	**23**
Isopropyl benzene	**6**
n-Propyl benzene	**9.1**
1,3,5-Trimethyl benzene	**37**
1,2,4-Trimethyl benzene	**76**
p-Isopropyltoluene	3.3
Naphthalene	2.6
SVOCs (TCLP)	
Acenaphthene	4.4
Fluorene	1.8
Phenanthrene	4.1
Anthracene	0.47 J
Fluoranthene	0.49
Pyrene	0.38 J

B-6N (9-10')	
VOCs (TCLP)	
MTBE	2.7

B-6N

B-1N

B-2N

B-1N (9-10')	
VOCs (TCLP)	
MTBE	2.8
Toluene	1.1
Ethyl Benzene	0.8
m,p-xylene	4.7
o-xylene	1.9
Xylene Total	6.6
n-Propyl benzene	0.7
1,3,5-Trimethyl benzene	2.3
1,2,4-Trimethyl benzene	**5.4**
Naphthalene	4.8
SVOCs (TCLP)	
Acenaphthene	1.2

B-7N

B-7N (11-12')	
VOCs (TCLP)	
MTBE	2.5
Toluene	0.62

FIRST STREET

NORTH

20 0 20

SCALE IN FEET

Legend

B-5N — BORING/MONITORING WELL LOCATION

B-15S — BORING LOCATION

SOURCE: INFORMATION FOR SOUTH SIDE OF THIRD STREET BASED UPON FIGURE 4-2 OF CORRECTIVE ACTION PLAN REPORT FOR THE MENDON TRUCK LEASING FACILITY, JUNE 1998"

Jacques Whitford Company, Inc.

JACQUES WHITFORD LOCATION: PORTSMOUTH, NEW HAMPSHIRE

DATE PREPARED:	DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
5-25-01	NO	CLN	BSB	MG
REVISION DATE:	REVISION NO:	DRAWN BY:	CHECKED BY:	REVIEWED BY:

PROJECT NAME/FILE NAME: 3RDAVE./CHEM_SOIL_NO

PROJECT NUMBER/PHASE: NHP99202/17

SCALE: 1"=20'

DRAWING TITLE: SITE PLAN INDICATING SOIL ANALYTICAL DATA – NORTH UST AREA – 222 1ST STREET BROOKLYN, NEW YORK

PREPARED FOR: CON EDISON

FIGURE NO. 3A

B-13-S (8-9')	
VOCs (TCLP)	
MTBE	2.5
Naphthalene	92
SVOCs (TCLP)	
Acenaphthene	18
Fluorene	28
Phenanthrene	43
Anthracene	7.9
Fluoranthene	7.6
Pyrene	4.5
Benzo(a)anthracene	0.27 J
Chrysene	0.22 J
Naphthalene	85

B-14-S (8-9')	
VOCs (TCLP)	
MTBE	6.2
Benzene	1
Ethyl Benzene	1.5
m,p-xylene	1.7
Xylene Total	1.7
Isopropyl benzene	1.4
n-Propyl benzene	2.1
1,3,5-Trimethyl benzene	1.1
p-Isopropyltoluene	6.9
Naphthalene	8

B-12-S (10-11')	
VOCs (TCLP)	
MTBE	2.6
1,3,5-Trimethyl benzene	1.9
1,2,4-Trimethyl benzene	0.7
Naphthalene	5.4

B-11S (8-9')	
VOCs (TCLP)	
MTBE	3.8
Ethyl Benzene	1.5
m,p-xylene	1.5
o-xylene	0.8
Xylene Total	2.3
Isopropyl benzene	0.6
n-Propyl benzene	1.3
1,3,5-Trimethyl benzene	1.9
1,2,4-Trimethyl benzene	5.4
Naphthalene	50

B-15-S (8-9')	
VOCs (TCLP)	
MTBE	2.5
1,3,5-Trimethyl benzene	0.6
Naphthalene	0.7

B-16S (9-10')	
VOCs (TCLP)	
MTBE	1.6

B-17S (8-9')	
VOCs (TCLP)	
MTBE	3.2
m,p-xylene	1.8
Xylene Total	1.8
1,2,4-Trimethyl benzene	1.7
Naphthalene	27

B-13S
B-12S
B-14S
B-15S
B-18S
B-11S
B-16S
B-17S
B-18S
B-20S

SOUTH UST AREA

THIRD STREET

NORTH

CON EDISON THIRD AVENUE YARD

20 0 20

SCALE IN FEET

Legend

B-5N — BORING/MONITORING WELL LOCATION

B-15S — BORING LOCATION

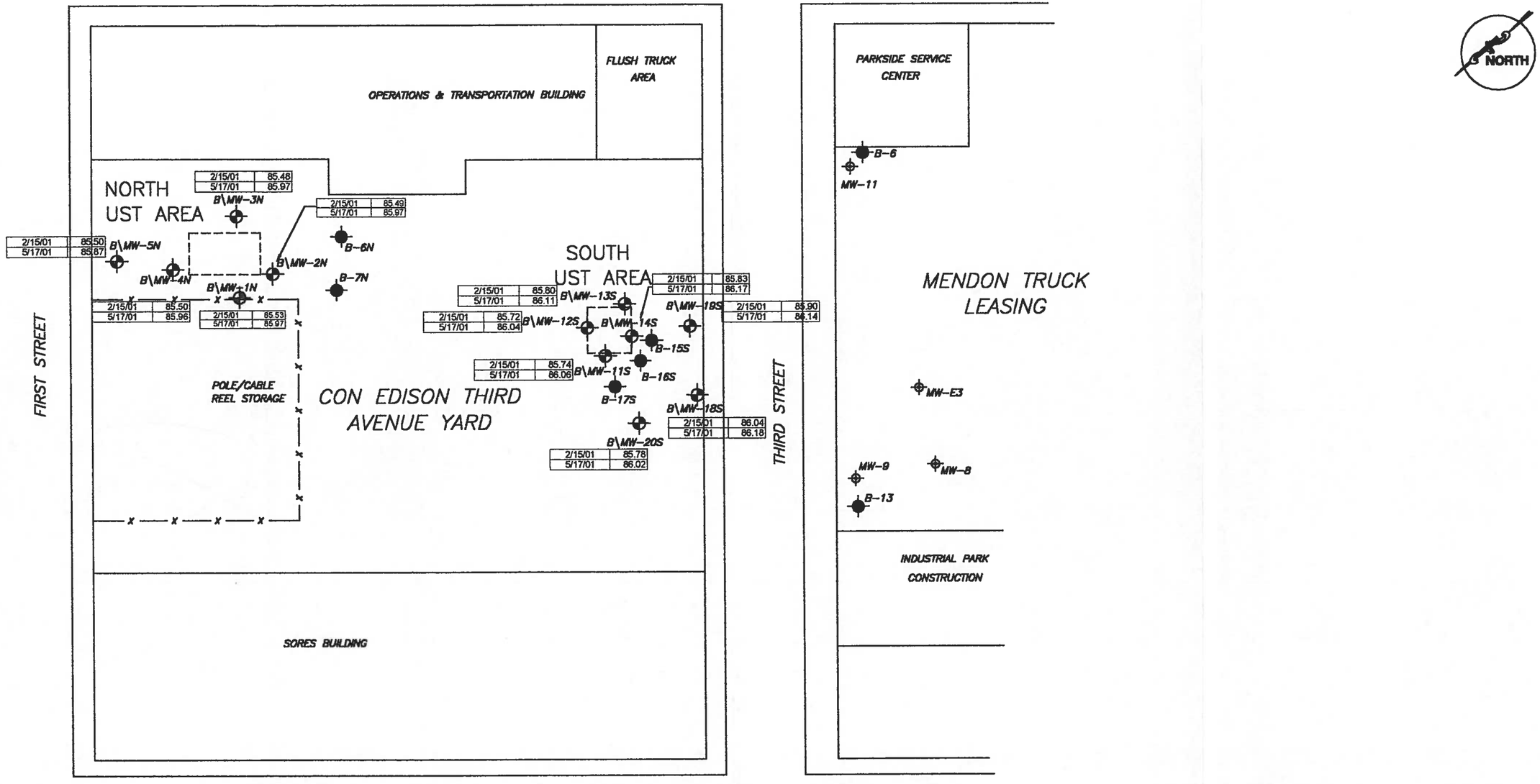
(ppb)
(ppb)

SOURCE: INFORMATION FOR SOUTH SIDE OF THIRD STREET BASED UPON FIGURE 4-2 OF CORRECTIVE ACTION PLAN REPORT FOR THE MENDON TRUCK LEASING FACILITY, JUNE 1998"

Jacques Whitford Company, Inc.

JACQUES WHITFORD LOCATION: PORTSMOUTH, NEW HAMPSHIRE					DRAWING TITLE: SITE PLAN INDICATING SOIL ANALYTICAL DATA – SOUTH UST AREA – 222 1ST STREET BROOKLYN, NEW YORK
DATE PREPARED: 5-25-01	DESIGNED BY: NO	DRAWN BY: CLN	CHECKED BY: BSB	REVIEWED BY: MG	
REVISION DATE:	REVISION NO:	DRAWN BY:	CHECKED BY:	REVIEWED BY:	
PROJECT NAME/FILE NAME: 3RDAVE./CHEM_SOIL_SO		PROJECT NUMBER/PHASE: NHP99202/17	SCALE: 1"=20'		PREPARED FOR: CON EDISON

FIGURE NO. 3B



Legend

- BORING/MONITORING WELL LOCATION
- BORING LOCATION
- MONITORING WELL LOCATION

SOURCE: INFORMATION FOR SOUTH SIDE OF THIRD STREET BASED UPON FIGURE 4-2 OF CORRECTIVE ACTION PLAN REPORT FOR THE MENDON TRUCK LEASING FACILITY, JUNE 1998"

Jacques Whitford Company, Inc.

JACQUES WHITFORD LOCATION: PORTSMOUTH, NEW HAMPSHIRE					DRAWING TITLE: SITE PLAN INDICATING GROUNDWATER ELEVATIONS 222 1ST STREET BROOKLYN, NEW YORK
DATE PREPARED: 5-25-01	DESIGNED BY: NO	DRAWN BY: CLN	CHECKED BY: BSB	REVIEWED BY: MG	
REVISION DATE:	REVISION NO:	DRAWN BY:	CHECKED BY:	REVIEWED BY:	
PROJECT NAME/FILE NAME: 3RDAVE./B_80_SITEPLAN		PROJECT NUMBER/PHASE: NHP99202/17	SCALE: 1"=80'		PREPARED FOR: CON EDISON

FIGURE NO. 4

NORTH

MW-3N	
VOCs (TCLP)	
MTBE	74.1
SVOCs (TCLP)	
Acenaphthene	0.31 J
Phenenathrene	0.27 J
Naphthalene	0.96
Di -n-Butylphthalate	0.21 J
bis (2-Ethyhexyl) Phthalate	1.00 J
2-Methylnaphthalene	0.32 J
Butylbenzylphthalate	0.29 J

MW-3N

MW-5N	
VOCs (TCLP)	ND
SVOCs (TCLP)	
Acenaphthene	0.33 J
Phenenathrene	0.26 J
Naphthalene	0.30 J
bis (2-Ethyhexyl) Phthalate	1.70 J

MW-5N

NORTH
UST AREA

MW-4N

MW-4N	
VOCs (TCLP)	NS
SVOCs (TCLP)	NS

MW-1N

MW-1N	
VOCs (TCLP)	
MTBE	84.6
Benzene	24.4
Toluene	24.2
Ethyl Benzene	56.7
m,p-xylene	400
o-xylene	232
Xylene Total	632
Isopropyl benzene	24.7
n-Propyl benzene	16.4
1,3,5-Trimethyl benzene	156
1,2,4-Trimethyl benzene	308
p-Isopropyltoluene	10.9
Naphthalene	44.0
SVOCs (TCLP)	
Acenaphthene	1.20
Fluoranthene	0.58
Pyrene	0.71
Di -n-Butylphthalate	0.35 J
bis (2-Ethyhexyl) Phthalate	1.50 J

MW-2N	
VOCs (TCLP)	
MTBE	18.6
SVOCs (TCLP)	
Naphthalene	0.21 J
bis (2-Ethyhexyl) Phthalate	0.75 J

MW-2N

B-6N

B-7N

FIRST STREET

20 0 20

SCALE IN FEET

Legend

MW-5N — BORING/MONITORING WELL LOCATION

B-15S — BORING LOCATION

SOURCE: INFORMATION FOR SOUTH SIDE OF THIRD STREET BASED UPON FIGURE 4-2 OF CORRECTIVE ACTION PLAN REPORT FOR THE MENDON TRUCK LEASING FACILITY, JUNE 1998"

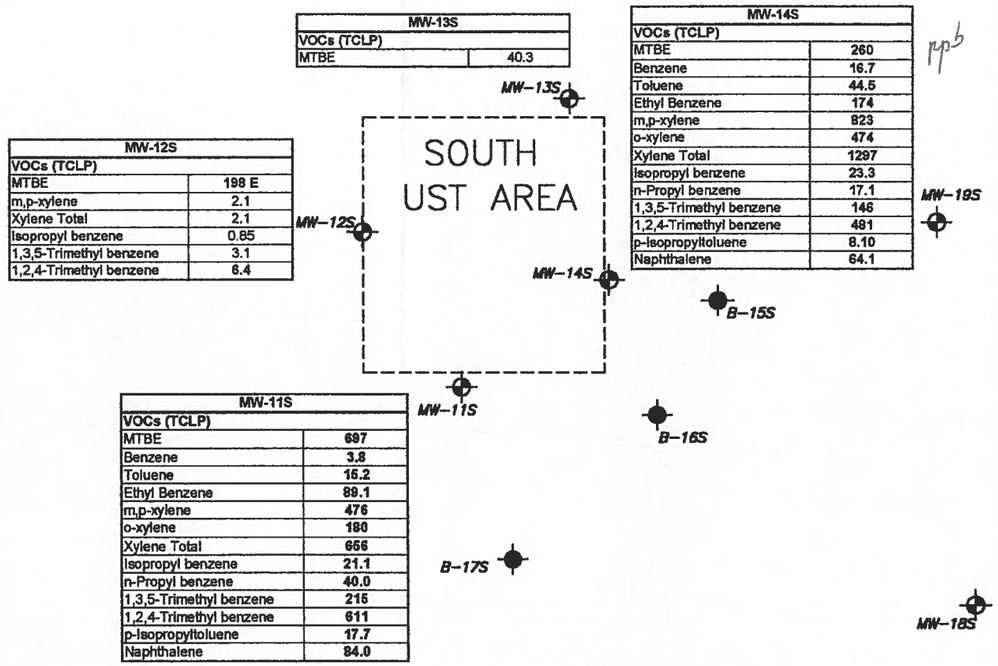
Jacques Whitford Company, Inc.

JACQUES WHITFORD LOCATION:				
PORTSMOUTH, NEW HAMPSHIRE				
DATE PREPARED:	DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
5-25-01	NO	CLN	BSB	MG
REVISION DATE:	REVISION NO:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
PROJECT NAME/FILE NAME:		PROJECT NUMBER/PHASE:	SCALE:	
3RD AVE./GW_CHEM_NO		NHP99202/17	1"=20'	

DRAWING TITLE:
SITE PLAN INDICATING GROUNDWATER ANALYTICAL DATA
– NORTH UST AREA –
222 1ST STREET
BROOKLYN, NEW YORK

PREPARED FOR: CON EDISON

FIGURE NO. 5A



CON EDISON THIRD AVENUE YARD

Legend

MW-5N — BORING/MONITORING WELL LOCATION

B-15S — BORING LOCATION

SOURCE: INFORMATION FOR SOUTH SIDE OF THIRD STREET BASED UPON FIGURE 4-2 OF CORRECTIVE ACTION PLAN REPORT FOR THE MENDON TRUCK LEASING FACILITY, JUNE 1998"

Jacques Whitford Company, Inc.

JACQUES WHITFORD LOCATION: PORTSMOUTH, NEW HAMPSHIRE					DRAWING TITLE: SITE PLAN INDICATING GROUNDWATER ANALYTICAL DATA – SOUTH UST AREA – 222 1ST STREET BROOKLYN, NEW YORK
DATE PREPARED: 5-25-01	DESIGNED BY: NO	DRAWN BY: CLN	CHECKED BY: BSB	REVIEWED BY: MG	
REVISION DATE:	REVISION NO:	DRAWN BY:	CHECKED BY:	REVIEWED BY:	
PROJECT NAME/FILE NAME: 3RD AVE./GW_CHEM_SO		PROJECT NUMBER/PHASE: NHP99202/17	SCALE: 1"=20'		PREPARED FOR: CON EDISON

FIGURE NO. 5B

TABLE 1
WELL CONSTRUCTION DETAILS
CON EDISON THIRD AVENUE YARD
BROOKLYN, NEW YORK

		Elevations					Elevations	
Well No.	Date of Installation	Ground Surface (ft AD)	Top of PVC (ft AD)	Total Depth (ft bg)	Depth to Screened Interval (ft bg)		Elevation of Screened Interval (ft AD)	
					Bottom	Top	Bottom	Top
MW-1N	12/13/00	97.94	97.62	18.0	18	8	79.9	89.9
MW-2N	12/14/00	98.30	97.95	18.0	18	8	80.3	90.3
MW-3N	12/13/00	98.14	97.69	18.0	18	8	80.1	90.1
MW-4N	12/14/00	97.64	97.24	18.0	18	8	79.6	89.6
MW-5N	12/13/00	97.44	97.05	18.0	18	8	79.4	89.4
MW-11S	12/14/00	98.07	97.69	19.0	19	4	79.1	94.1
MW-12S	12/14/00	98.15	97.78	18.0	18	8	80.2	90.2
MW-13S	12/14/00	98.08	97.70	19.0	19	4	79.1	94.1
MW-14S	12/15/00	97.73	97.33	19.0	19	9	78.7	88.7
MW-18S	12/14/00	97.79	96.83	18.0	18	8	79.8	89.8
MW-19S	12/14/00	97.79	97.36	18	18	8	79.8	89.8
MW-20S	12/15/00	96.95	96.64	18	18	8	79.0	89.0

NOTES:
Wells were surveyed on 1/18/01 and 1//25/01.
ft AD = Feet above Assumed Datum. (X chiseled on 3rd street entrance guard shack concrete pad = 100.00').
ft bg = Feet below grade
PVC = Top of PVC well riser

TABLE 2
SUMMARY OF SOIL ANALYTICAL DATA-PRELIMINARY SOIL BORINGS
CON EDISON THIRD AVENUE YARD
BROOKLYN, NEW YORK

	Laboratory ID:		11784-05	11784-04	11784-01	11784-06	11784-02	11784-20	11784-03	11784-07	11784-08	11784-11	11784-12	11784-13	11784-14	11784-15	11784-21	11784-16	11784-10	11784-09	11784-17	11784-18	11784-19
	Field ID:		Equip Blank	Trip Blank	B-1N	B-2N	B-3N	B-4N	B-5N	B-6N	B-7N	B-11S	B-12S	B-13S	B-14S	B-15S	B-16S	B-17S	B-18S	B-19S	B-20S	Equip Blank	Equip Blank
	Sample Depth*:		--	--	9-10	11-12	9-10	11-12	8-10	9-10	11-12	8-9	10-11	8-9	8-9	8-9	9-10	8-9	10-12	10-11	8-9	--	--
VOCs (TCLP)	STARS CRITERIA																						
MTBE	10	ppb	ND	ND	2.8	3.1	2.8	**17**	2.8	2.7	2.5	3.8	2.6	2.5	6.2	2.5	1.6	3.2	2.7	2.6	ND	ND	ND
Benzene	0.7	ppb	ND	ND	ND	**1.8**	ND	**78**	ND	ND	ND	ND	ND	ND	**1**	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	5	ppb	ND	ND	1.1	2.9	ND	**200**	ND	ND	0.62	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethyl Benzene	5	ppb	ND	ND	0.8	**7.9**	ND	**390**	ND	ND	ND	1.5	ND	ND	1.5	ND	ND	ND	ND	ND	ND	ND	ND
m-xylene	5	ppb	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
p-xylene	5	ppb	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
m,p-xylene	--	ppb	ND	ND	4.7	**20**	ND	**970**	ND	ND	ND	1.5	ND	ND	1.7	ND	ND	1.8	ND	ND	ND	ND	ND
o-xylene	5	ppb	ND	ND	1.9	3.5	ND	**730**	ND	ND	ND	0.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylene Total	--	ppb	ND	ND	6.6	**23**	ND	**1700**	ND	ND	ND	2.3	ND	ND	1.7	ND	ND	1.8	ND	ND	ND	ND	ND
Isopropyl benzene	5	ppb	ND	ND	ND	**6**	ND	**63**	ND	ND	ND	0.6	ND	ND	1.4	ND	ND	ND	ND	ND	ND	ND	ND
n-Propyl benzene	5	ppb	ND	ND	0.7	**9.1**	ND	**100**	ND	ND	ND	1.3	ND	ND	2.1	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethyl benzene	5	ppb	ND	ND	2.3	**37**	0.5	**230**	ND	ND	ND	1.9	1.9	ND	1.1	0.6	ND	ND	ND	ND	ND	ND	ND
tert-Butyl benzene	5	ppb	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethyl benzene	5	ppb	ND	ND	**5.4**	**76**	ND	**790**	ND	ND	ND	**5.4**	0.7	ND	ND	ND	ND	1.7	ND	ND	ND	ND	ND
sec-Butylbenzene	5	ppb	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	5	ppb	ND	ND	ND	3.3	ND	**15**	ND	ND	ND	ND	ND	ND	**6.9**	ND	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	5	ppb	ND	ND	ND	ND	ND	**30**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	10	ppb	ND	ND	4.8	2.6	ND	**1500**	ND	ND	ND	**50**	5.4	**92**	8	0.7	ND	**27**	ND	ND	1.2	ND	ND
SVOCs (TCLP)	STARS CRITERIA																						
Acenaphthene	20	ppb	NA	NA	1.2	4.4	0.65 J	14	ND	ND	ND	NA	NA	18	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluorene	50	ppb	NA	NA	ND	1.8	0.26 J	1.7	ND	ND	ND	NA	NA	28	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	50	ppb	NA	NA	ND	4.1	0.77	1	ND	ND	ND	NA	NA	43	NA	NA	NA	NA	NA	NA	NA	NA	NA
Anthracene	50	ppb	NA	NA	ND	0.47 J	ND	ND	ND	ND	ND	NA	NA	7.9	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	50	ppb	NA	NA	ND	0.49	0.23 J	ND	ND	ND	ND	NA	NA	7.6	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	50	ppb	NA	NA	ND	0.38 J	ND	ND	ND	ND	ND	NA	NA	4.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene	0.002	ppb	NA	NA	ND	ND	ND	ND	ND	ND	ND	NA	NA	**0.27 J**	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	0.002	ppb	NA	NA	ND	ND	ND	ND	ND	ND	ND	NA	NA	**0.22 J**	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	0.002	ppb	NA	NA	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	0.002	ppb	NA	NA	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene	0.002	ppb	NA	NA	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indeno(1,2,3,-cd)pyrene	0.002	ppb	NA	NA	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenzo(a,h)anthracene	50	ppb	NA	NA	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(g,h,i)perylene	0.002	ppb	NA	NA	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA
OTHER	STARS CRITERIA																						
MTBE	--	ppb	NA	NA	26.8	564	20.7	ND	31.2	367	457	76.2	79.8	2790	63.1	124	3.87	14.8	54.9	8.26	3.14	NA	NA
LEAD	--	ppm	NA	NA	4.26	ND	8.52	135	ND	18.4	15.5	39.6	12.7	3.97	124	4.28	82.9	36.5	13.4	26.4	11.4	NA	NA

NOTES:

All concentrations reported in parts per billion (ppb) = micrograms per liter (ug/L) = micrograms per kilogram (ug/kg)

ND = not detected above method detection limit (MDL)

NA = not analyzed

J = Estimated value. The concentration reported was below the method detection limit.

NR = Not reported in that format

* In feet below grade (b.g.)

TABLE 3
MONITORING WELL GROUNDWATER LEVELS
CON EDISON THIRD AVENUE YARD
BROOKLYN, NEW YORK

Well	TOPVC Elevation Feet	Date	Depth to product Feet	Depth to Water Feet	Product thickness Feet	Corrected Depth to H_20 Feet	Groundwater Elevation Feet
MW-1N	97.62	1/18/01	NA	12.31	NA	12.31	85.31
		1/25/01	NM	NM	NM	NM	NM
		2/7/01	NA	12.21	NA	12.21	85.41
		2/15/01	NA	12.09	NA	12.09	85.53
		2/22/01	NA	12.22	NA	12.22	85.4
		3/2/01	NA	11.92	NA	11.92	85.7
		3/9/01	NA	11.87	NA	11.87	85.75
		3/16/01	NA	11.98	NA	11.98	85.64
		3/23/01	NA	11.81	NA	11.81	85.81
		3/29/01	NA	12.04	NA	12.04	85.58
		4/5/01	NA	11.96	NA	11.96	85.66
		4/11/01	NA	11.9	NA	11.90	85.72
		4/20/01	NA	11.86	NA	11.86	85.76
		4/27/01	NA	11.71	NA	11.71	85.91
		5/4/01	NA	11.69	NA	11.69	85.93
		5/10/01	NA	11.66	NA	11.66	85.96
		5/17/01	NA	11.65	NA	11.65	85.97
MW-2N	97.96	1/18/01	NA	12.67	NA	12.67	85.29
		1/25/01	NM	NM	NM	NM	NM
		2/7/01	NA	12.58	NA	12.58	85.38
		2/15/01	NA	12.47	NA	12.47	85.49
		2/22/01	NA	12.57	NA	12.57	85.39
		3/2/01	NA	12.26	NA	12.26	85.7
		3/9/01	NA	12.34	NA	12.34	85.62
		3/16/01	NA	12.34	NA	12.34	85.62
		3/23/01	NA	12.18	NA	12.18	85.78
		3/29/01	NA	12.42	NA	12.42	85.54
		4/5/01	NA	12.34	NA	12.34	85.62
		4/11/01	NA	12.26	NA	12.26	85.7
		4/20/01	NA	12.22	NA	12.22	85.74
		4/27/01	NA	12.04	NA	12.04	85.92
		58/4/01	NA	12.05	NA	12.05	85.91
		5/10/01	NA	11.01	NA	12.01	85.95
		5/17/01	NA	11.99	NA	11.99	85.97
MW-3N	97.69	1/18/01	NA	12.42	NA	12.42	85.27
		1/25/01	NM	NM	NM	NM	NM
		2/7/01	NA	12.35	NA	12.35	85.34
		2/15/01	NA	12.21	NA	12.21	85.48
		2/22/01	NA	12.33	NA	12.33	85.36
		3/2/01	NA	12.00	NA	12.00	85.69
		3/9/01	NA	[1] NM	NA	[1] NM	[1] NM
		3/16/01	NA	12.09	NA	12.09	85.60
		3/23/01	NA	11.91	NA	11.91	85.78
		3/29/01	NA	12.19	NA	12.19	85.50
		4/5/01	NA	12.09	NA	12.09	85.60
		4/11/01	NA	12.02	NA	12.02	85.67
		4/20/01	NA	11.97	NA	11.97	85.72
		4/27/01	NA	11.77	NA	11.77	85.92
		5/4/01	NA	11.76	NA	11.76	85.93
		5/10/01	NA	11.71	NA	11.71	85.98
		5/17/01	NA	11.72	NA	11.72	85.97
MW-4N	97.24	1/18/01	11.96	12.06	0.10	11.98	85.27
		1/25/01	NM	NM	NM	NM	NM
		2/7/01	11.81	12.07	0.26	11.85	85.39
		2/15/01	11.74	11.75	0.01	11.74	85.50

TABLE 3
MONITORING WELL GROUNDWATER LEVELS
CON EDISON THIRD AVENUE YARD
BROOKLYN, NEW YORK

Well	TOPVC Elevation Feet	Date	Depth to product Feet	Depth to Water Feet	Product thickness Feet	Corrected Depth to H_20 Feet	Groundwater Elevation Feet
		2/22/01	11.77	11.95	0.18	11.80	85.44
		3/2/01	11.53	11.54	0.01	11.53	85.71
		3/9/01	[2] NA	11.00	[2] NA	11.00	86.24
		3/16/01	12.64	12.71	0.07	12.65	84.59
		3/23/01	[2] NA	11.46	[2] NA	11.46	85.78
		3/29/01	[2] NA	11.70	[2] NA	11.70	85.54
		4/5/01	[2] NA	11.56	[2] NA	11.56	85.68
		4/11/01	[2] NA	11.62	[2] NA	11.62	85.62
		4/20/01	[2] NA	11.56	[2] NA	11.56	85.68
		4/27/01	[2] NA	11.42	[2] NA	11.42	85.82
		5/4/01	NA	11.33	NA	11.33	85.91
		5/10/01	NA	11.33	NA	11.33	85.91
		5/17/01	NA	11.28	NA	11.28	85.96
MW-5N	97.05	1/18/01	NA	11.35	NA	11.35	85.7
		1/25/01	NM	NM	NM	NM	NM
		2/7/01	NA	11.71	NA	11.71	85.34
		2/15/01	NA	11.55	NA	11.55	85.5
		2/22/01	NA	11.73	NA	11.73	85.32
		3/2/01	NA	11.30	NA	11.30	85.75
		3/9/01	NA	11.43	NA	11.43	85.62
		3/16/01	NA	12.45	NA	12.45	84.60
		3/23/01	NA	11.17	NA	11.17	85.88
		3/29/01	NA	11.59	NA	11.59	85.46
		4/5/01	NA	11.46	NA	11.46	85.59
		4/11/01	NA	11.40	NA	11.40	85.65
		4/20/01	NA	11.43	NA	11.43	85.62
		4/27/01	NA	11.16	NA	11.16	85.89
		5/4/01	NA	11.21	NA	11.21	85.84
		5/10/01	NA	11.14	NA	11.14	85.91
		5/17/01	NA	11.18	NA	11.18	85.87
MW-11S	97.69	1/17/01	NA	12.32	NA	12.32	85.37
		1/25/01	NM	NM	NM	NM	NM
		2/7/01	NA	12.24	NA	12.24	85.45
		2/15/01	NA	11.95	NA	11.95	85.74
		2/22/01	NA	12.21	NA	12.21	85.48
		3/2/01	NA	11.69	NA	11.69	86.00
		3/9/01	NA	11.87	NA	11.87	85.82
		3/16/01	NA	11.92	NA	11.92	85.77
		3/23/01	NA	11.69	NA	11.69	86.00
		3/29/01	NA	12.08	NA	12.08	85.61
		4/5/01	NA	11.97	NA	11.97	85.72
		4/11/01	NA	11.96	NA	11.96	85.73
		4/20/01	NA	11.92	NA	11.92	85.77
		4/27/01	NA	11.57	NA	11.57	86.12
		5/4/01	NA	11.64	NA	11.64	86.05
		5/10/01	NA	11.54	NA	11.54	86.15
		5/17/01	NA	11.63	NA	11.63	86.06
MW-12S	97.78	1/17/01	NA	12.39	NA	12.39	85.39
		1/25/01	NM	NM	NM	NM	NM
		2/7/01	NA	12.32	NA	12.32	85.46
		2/15/01	NA	12.06	NA	12.06	85.72
		2/22/01	NA	12.29	NA	12.29	85.49
		3/2/01	NA	11.78	NA	11.78	86.00
		3/9/01	NA	11.94	NA	11.94	85.84
		3/16/01	NA	12.00	NA	12.00	85.78

TABLE 3
MONITORING WELL GROUNDWATER LEVELS
CON EDISON THIRD AVENUE YARD
BROOKLYN, NEW YORK

Well	TOPVC Elevation Feet	Date	Depth to product Feet	Depth to Water Feet	Product thickness Feet	Corrected Depth to H_20 Feet	Groundwater Elevation Feet
		3/23/01	NA	11.79	NA	11.79	85.99
		3/29/01	NA	12.14	NA	12.14	85.64
		4/5/01	NA	12.06	NA	12.06	85.72
		4/11/01	NA	11.98	NA	11.98	85.80
		4/20/01	NA	12.00	NA	12.00	85.78
		4/27/01	NA	11.63	NA	11.63	86.15
		5/4/01	NA	11.71	NA	11.71	86.07
		5/10/01	NA	11.65	NA	11.65	86.13
		5/17/01	NA	11.74	NA	11.74	86.04
MW-13S	97.70	1/17/01	NA	12.26	NA	12.26	85.44
		1/25/01	NM	NM	NM	NM	NM
		2/7/01	NA	12.14	NA	12.14	85.56
		2/15/01	NA	11.90	NA	11.90	85.80
		2/22/01	NA	12.13	NA	12.13	85.57
		3/2/01	NA	11.65	NA	11.65	86.05
		3/9/01	NA	11.22	NA	11.22	86.48
		3/16/01	NA	11.88	NA	11.88	85.82
		3/23/01	NA	11.61	NA	11.61	86.09
		3/29/01	NA	11.96	NA	11.96	85.74
		4/5/01	NA	11.89	NA	11.89	85.81
		4/11/01	NA	11.81	NA	11.81	85.89
		4/20/01	NA	11.87	NA	11.87	85.83
		4/27/01	NA	11.52	NA	11.52	86.18
		5/4/01	NA	11.58	NA	11.58	86.12
		5/10/01	NA	11.49	NA	11.49	86.21
		5/17/01	NA	11.59	NA	11.59	86.11
MW-14S	97.33	1/17/01	NA	11.89	NA	11.89	85.44
		1/25/01	NM	NM	NM	NM	NM
		2/7/01	NA	11.79	NA	11.79	85.54
		2/15/01	NA	11.50	NA	11.50	85.83
		2/22/01	NA	11.77	NA	11.77	85.56
		3/2/01	NA	11.32	NA	11.32	86.01
		3/9/01	NA	11.50	NA	11.50	85.83
		3/16/01	NA	11.51	NA	11.51	85.82
		3/23/01	NA	11.30	NA	11.30	86.03
		3/29/01	NA	11.64	NA	11.64	85.69
		4/5/01	11.54	11.55	0.01	11.54	85.79
		4/11/01	NA	11.60	NA	11.60	85.73
		4/20/01	NA	11.56	NA	11.56	85.77
		4/27/01	NA	11.32	NA	11.32	86.01
		5/4/01	NA	11.21	NA	11.21	86.12
		5/10/01	NA	11.17	NA	11.17	86.16
		5/17/01	NA	11.16	NA	11.16	86.17
MW-18S	96.83	1/17/01	NA	11.25	NA	11.25	85.58
		1/25/01	NM	NM	NM	NM	NM
		2/7/01	NA	10.95	NA	10.95	85.88
		2/15/01	NA	10.79	NA	10.79	86.04
		2/22/01	NA	11.01	NA	11.01	85.82
		3/2/01	NA	10.72	NA	10.72	86.11
		3/9/01	NA	10.86	NA	10.86	85.97
		3/16/01	NA	10.80	NA	10.80	86.03
		3/23/01	NA	10.61	NA	10.61	86.22
		3/29/01	NA	10.82	NA	10.82	86.01
		4/5/01	NA	10.25	NA	10.25	86.58
		4/11/01	NA	10.72	NA	10.72	86.11

TABLE 3
MONITORING WELL GROUNDWATER LEVELS
CON EDISON THIRD AVENUE YARD
BROOKLYN, NEW YORK

Well	TOPVC Elevation Feet	Date	Depth to product Feet	Depth to Water Feet	Product thickness Feet	Corrected Depth to H_20 Feet	Groundwater Elevation Feet
		4/20/01	NA	10.74	NA	10.74	86.09
		4/27/01	NA	10.59	NA	10.59	86.24
		5/4/01	NA	10.60	NA	10.60	86.23
		5/10/01	NA	10.89	NA	10.89	85.94
		5/17/01	NA	10.65	NA	10.65	86.18
MW-19S	97.36	1/17/01	NA	11.77	NA	11.77	85.59
		1/25/01	NM	NM	NM	NM	NM
		2/7/01	NA	12.54	NA	12.54	84.82
		2/15/01	NA	11.46	NA	11.46	85.90
		2/22/01	NA	11.12	NA	11.12	86.24
		3/2/01	NA	11.33	NA	11.33	86.03
		3/9/01	NA	11.35	NA	11.35	86.01
		3/16/01	NA	11.44	NA	11.44	85.92
		3/23/01	NA	11.24	NA	11.24	86.12
		3/29/01	NA	11.49	NA	11.49	85.87
		4/5/01	NA	11.45	NA	11.45	85.91
		4/11/01	NA	11.38	NA	11.38	85.98
		4/20/01	NA	11.41	NA	11.41	85.95
		4/27/01	NA	11.20	NA	11.20	86.16
		5/4/01	NA	11.20	NA	11.20	86.16
		5/10/01	NA	11.15	NA	11.15	86.21
		5/17/01	NA	11.22	NA	11.22	86.14
MW-20S	96.64	1/17/01	NA	11.23	NA	11.23	85.41
		1/25/01	NM	NM	NM	NM	NM
		2/7/01	NA	11.08	NA	11.08	85.56
		2/15/01	NA	10.86	NA	10.86	85.78
		2/22/01	NA	11.09	NA	11.09	85.55
		3/2/01	NA	10.70	NA	10.70	85.94
		3/9/01	NA	[1] NM	NA	[1] NM	[1] NM
		3/16/01	NA	11.86	NA	11.86	84.78
		3/23/01	NA	10.64	NA	10.64	86.00
		3/29/01	NA	10.57	NA	10.57	86.07
		4/5/01	NA	10.89	NA	10.89	85.75
		4/11/01	NA	10.81	NA	10.81	85.83
		4/20/01	NA	10.85	NA	10.85	85.79
		4/27/01	NA	10.56	NA	10.56	86.08
		5/4/01	NA	10.60	NA	10.62	86.02
		5/10/01	NA	10.55	NA	10.55	86.09
		5/17/01	NA	10.62	NA	10.62	86.02

NM = Not measured
NA = Not applicable
[1] well under water
[2] Soakease saturated with product

TABLE 4
GROUNDWATER FIELD PARAMETER DATA
CON EDISON 3rd AVENUE YARD
BROOKLYN, NEW YORK

Sample Location	Sample Date	Temperature (° C)	Specific Conductance (umhos/cm)	DO (mg/l)	pH (units)	Eh (millivolts)	Turbidity NTU
MW-1N	1/22/01*	14.39	1410	0.29	7.32	-303	243
	2/8/01	14.27	2270	1.39	7.48	-184	1980
MW-2N	1/22/01*	14.72	1290	2.06	7.08	-240	48
	2/8/01	15.28	3070	0.35	7.32	-245	20.80
MW-3N	1/23/01*	16.36	246	2.37	7.12	-273	63
	2/8/01	14.66	6400	0.17	7.75	-301	NM
MW-4N	1/23/01*	16.26	1290	1.04	6.94	-366	65
	2/8/2001**	---	---	---	---	---	---
MW-5N	1/18/01*	16.44	358	0.41	6.91	-287	5.00
	2/8/01	16.41	3130	0.34	7.22	-281	7.33
MW-11S	1/17/01*	16.99	3900	0.32	6.66	345	33.4
	2/7/01	16.46	7870	0.18	6.69	-357	38.50
MW-12S	1/17/01*	16.85	1870	0.42	7.12	-347	7
	2/7/01	16.00	4170	0.15	7.39	-353	16.19
MW-13S	1/18/01*	17.21	3220	0.27	6.99	-336	73
	2/7/01	15.24	7010	0.18	7.27	-352	38.30
MW-14S	1/17/01*	16.88	930	0.31	6.9	-351	44
	2/7/01	16.15	6330	0.49	7.29	-316	NM
MW-18S	1/22/01*	13.18	2160	0.89	6.87	-271	34
	2/8/01	13.28	3300	1.53	7.18	-244	22.00
MW-19S	1/21/01*	13.84	1650	1.28	7.18	-232	19
	2/8/01	14.01	1404	3.46	7.51	-138	88.20
MW-20S	1/17/01*	16.69	2460	0.08	6.97	-367	8.4
	2/8/01	15.50	8310	0.30	7.25	-291	7.33

NOTES:
DO = Dissolved Oxygen
NM = Not Measured
* Well Development
** Product in well. Collect sample for fingerprint analysis.

from Feb 01

TABLE 5
SUMMARY OF MONITORING WELL GROUNDWATER SAMPLE ANALYTICAL DATA
CON EDISON THIRD AVENUE YARD
BROOKLYN, NEW YORK

	FIELD ID:		Trip Blank	MW-1N	MW-2N	MW-3N	MW-4N	MW-5N	MW-6N	MW-11S	MW-12S	MW-13S	MW-14S	MW-18S	MW-19S	MW-20S
VOCs (TCLP)	STARS CRITERIA															
MTBE	10	ppb	NA	84.6	18.5	74.1	NA	ND	ND	697	198 E	40.3	260	ND	ND	ND
Benzene	0.7	ppb	ND	24.4	ND	ND	NA	ND	ND	3.8	ND	ND	16.7	ND	ND	ND
Toluene	5	ppb	ND	24.2	ND	ND	NA	ND	ND	15.2	ND	ND	44.5	ND	ND	ND
Ethyl Benzene	5	ppb	ND	56.7	ND	ND	NA	ND	ND	89.1	ND	ND	174	ND	ND	ND
m,p-xylene	-	ppb	ND	400	ND	ND	NA	ND	ND	476	2.1	ND	823	ND	ND	ND
o-xylene	5	ppb	ND	232	ND	ND	NA	ND	ND	180	ND	ND	474	ND	ND	ND
Xylene Total	-	ppb	ND	632	ND	ND	NA	ND	ND	656	2.1	ND	1297	ND	ND	ND
Isopropyl benzene	5	ppb	ND	24.7	ND	ND	NA	ND	ND	21.1	0.85	ND	23.3	ND	ND	ND
n-Propyl benzene	5	ppb	ND	16.4	ND	ND	NA	ND	ND	40.0	ND	ND	17.1	ND	ND	ND
1,3,5-Trimethyl benzene	5	ppb	ND	156	ND	ND	NA	ND	ND	215	3.1	ND	146	ND	ND	ND
tert-Butyl benzene	5	ppb	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethyl benzene	5	ppb	ND	308	ND	ND	NA	ND	ND	611	6.4	ND	481	ND	ND	ND
sec-Butylbenzene	5	ppb	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	5	ppb	ND	10.9	ND	ND	NA	ND	ND	17.7	ND	ND	8.10	ND	ND	ND
n-Butylbenzene	5	ppb	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	10	ppb	ND	44.0	ND	ND	NA	ND	ND	84.0	ND	ND	64.1	ND	ND	ND
Methylene Chloride	5	ppb	72.7	ND	ND	ND	NA	ND	ND	ND	ND	[2]3.4	[2]12.5	ND	ND	ND
Chloroform	7	ppb	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	0.55	ND	ND
SVOCs (TCLP)	STARS CRITERIA															
Acenaphthene	20	ppb	NA	1.20	ND	0.31 J	NA	0.33 J	0.34 J	NA	NA	NA	NA	NA	NA	NA
Fluorene	50	ppb	NA	ND	ND	ND	NA	ND	ND	NA	NA	NA	NA	NA	NA	NA
Phenenathrene	50	ppb	NA	ND	ND	0.27 J	NA	0.26 J	0.28 J	NA	NA	NA	NA	NA	NA	NA
Anthracene	50	ppb	NA	ND	ND	ND	NA	ND	ND	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	50	ppb	NA	0.58	ND	ND	NA	ND	ND	NA	NA	NA	NA	NA	NA	NA
Pyrene	50	ppb	NA	0.71	ND	ND	NA	ND	ND	NA	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene	0.002	ppb	NA	[1]ND	[1]ND	[1]ND	NA	[1]ND	[1]ND	NA	NA	NA	NA	NA	NA	NA
Chrysene	0.002	ppb	NA	[1]ND	[1]ND	[1]ND	NA	[1]ND	[1]ND	NA	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	0.002	ppb	NA	[1]ND	[1]ND	[1]ND	NA	[1]ND	[1]ND	NA	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	0.002	ppb	NA	[1]ND	[1]ND	[1]ND	NA	[1]ND	[1]ND	NA	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene	0.002	ppb	NA	[1]ND	[1]ND	[1]ND	NA	[1]ND	[1]ND	NA	NA	NA	NA	NA	NA	NA
Indeno(1,2,3,-cd)pyrene	0.002	ppb	NA	[1]ND	[1]ND	[1]ND	NA	[1]ND	[1]ND	NA	NA	NA	NA	NA	NA	NA
Dibenz(a,h)anthracene	50	ppb	NA	ND	ND	ND	NA	ND	ND	NA	NA	NA	NA	NA	NA	NA
Benzo(g,h,l)pyrelene	0.002	ppb	NA	[1]ND	[1]ND	[1]ND	NA	[1]ND	[1]ND	NA	NA	NA	NA	NA	NA	NA
Di -n-Butylphthalate	50	ppb	NA	0.35 J	ND	0.21 J	NA	ND	0.23 J	NA	NA	NA	NA	NA	NA	NA
bis (2-Ethyhexyl) Phthalate	50	ppb	NA	1.50 J	0.75 J	1.00 J	NA	1.70 J	0.96 J	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	-	ppb	NA	ND	ND	0.32 J	NA	ND	ND	NA	NA	NA	NA	NA	NA	NA
Butylbenzylphthalate	50	ppb	NA	ND	ND	0.29 J	NA	ND	ND	NA	NA	NA	NA	NA	NA	NA
OTHER	STARS CRITERIA															
Lead	25	ppb	NA	507	51.9	113	542,000/900	ND	ND	30.4	0.93 J	19.8	12.1	ND	0.74 J	ND
Gasoline	-	-	NA	NA	NA	NA	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA

NOTES:

[1]The method detection limit is greater than the groundwater criteria.

[2]Analyte found in trip blank

[3] Grab/composite sample results

All concentrations reported in parts per billion (ppb) = micrograms per liter (ug/L) = micrograms per kilogram (ug/kg)

ND = not detected above method detection limit (MDL)

NA = not analyzed

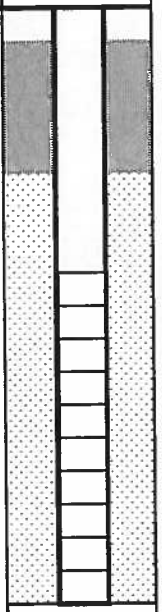
J = Estimated value. The concentration reported was below the method detection limit.

E = The concentration of the analyte exceeded the calibration range of the instrument.

JACQUES WHITFORD COMPANY, INC

Project:	Con Edison: 3rd Avenue Yard - Brooklyn, New York				1 of 1
Client:	Consolidated Edison of New York				
Contractor:	EPI	Casing Size:	3/4 -inch	Boring #.	B-1N/MW-1N
Drilling Method:	DP (Hurricane)			Date Begun:	12/13/00
Ground Elevation:	Not surveyed (MSL)	Checked By:	MSG	Completed:	12/20/00
Logged By:	CSP	Protection Level:	D	Depth to Water (in well):	10.8 ft bgs

Depth (ft)	Sample Interval (ft)	Sample No.	Rec/Pen (inches)	PID Sample (ppm)	Standard Penetration Test (blows/foot) 0 - 6"	6" - 12"	12" - 18"	18" - 24"	Soil/Rock Description	Soil Classification
1					Hand dug to 5 feet				0-2" Asphalt	
2				0.7					2"-30" Gray-black, dry, f-m	
3									SAND, little Silt, trace Gravel	SW
4				ND					30"-60" Dark brown, moist,	
5									f-m SAND, little Silt	
6										
7	5 - 9	S-1	48/30	5					Dark brown, moist, f-m	SW
8									SAND, little Silt	
9										
10										
11	9 -13	S-2	48/40	520	Two, 2" seams of gray petroleum				Brown, moist to wet, f-c	SW
12					stained soil at 10' and 13'				SAND, little Silt, trace Gravel.	
13										
14										
15	13 - 17	S-3	48/44	100					Similar to 9'-13' sample.	SW
16									(Saturated)	
17					Bottom of boring at 17 feet					
18										
19										
20										



Well Screen	8'-18'
Filter Pack	6'-18'
Divider Seal	
Annular Seal	2'-6' (Bentonite Holeplug)
Surface Seal	Flush mounted roadbox

NOTES:

Soils wet at 13 feet.

Soil sample from 9-10 ft was submitted for laboratory analysis.

At completion of soil sampling, borehole was redrilled to 18' using 6-5/8" ID HSA and 4" monitoring well was installed on 12/20/00.

JACQUES WHITFORD COMPANY, INC

Project:	Con Edison: 3rd Avenue Yard - Brooklyn, New York				1 of 1
Client:	Consolidated Edison of New York				
Contractor:	EPI	Casing Size:	3/4 -inch	Boring #.	B-2N/MW-2N
Drilling Method:	DP (Hurricane)			Date Begun:	12/14/00
Ground Elevation:	Not surveyed (MSL)	Checked By:	MSG	Completed:	12/20/00
Logged By:	CSP	Protection Level:	D	Depth to Water (in well):	11.85 ft bgs

Depth (ft)	Sample Interval (ft)	Sample No.	Rec/Pen (inches)	PID Sample (ppm)	Standard Penetration Test (blows/foot) 0 - 6"	6" - 12"	12" - 18"	18" - 24"	Soil/Rock Description	Soil Classification
1					Hand dug to 5 feet				0-2" Asphalt	
2				150					2"-60" Gray-black, dry, f-c SAND, some Silt, little Gravel	SM
3										
4										
5	5 - 9	S-1	48/24	ND					12" of dark brown, moist, f-m SAND, some clayey Silt, trace Gravel over	SC
6				ND						
7				5						
8				10					12" of gray, moist, f-c SAND some GRAVEL, some Silt	SM
9				13						
10	9-13	S-2	48/34	20	Petroleum odor.				Gray, moist to wet, f-c SAND some Gravel, some Silt	GM
11				67						
12				40						
13				38						
14				120						
15	13 - 17	S-3	48/24	185					Gray, wet, f-c SAND and GRAVEL, some Silt.	GM
16				185						
17										
18					Bottom of boring at 17 feet					
19										
20										

Well Construction

Well Screen	8'-18'
Filter Pack	5'-18'
Divider Seal	
Annular Seal	2'-5' (Bentonite Holeplug)
Surface Seal	Flush mounted roadbox

NOTES:

Soils wet at 12 feet.

Soil sample from 11-12 ft was submitted for laboratory analysis

At completion of soil sampling, borehole was redrilled to 18' using 6-5/8" ID HSA and 4" monitoring well was installed on 12/20/00.

JACQUES WHITFORD COMPANY, INC

Project:	Con Edison: 3rd Avenue Yard - Brooklyn, New York				1 of 1
Client:	Consolidated Edison of New York				
Contractor:	EPI	Casing Size:	3/4 -inch	Boring #.	B-3N/MW-3N
Drilling Method:	DP (Hurricane)			Date Begun:	12/13/00
Ground Elevation:	Not surveyed (MSL)	Checked By:	MSG	Completed:	12/20/00
Logged By:	CSP	Protection Level:	D	Depth to Water (in well):	11.5 ft bgs

Depth (ft)	Sample Interval (ft)	Sample No.	Rec/Pen (inches)	PID Sample (ppm)	Standard Penetration Test (blows/foot) 0 - 6"	6" - 12"	12" - 18"	18" - 24"	Soil/Rock Description	Soil Classification
1					Hand dug to 5 feet				0-2" Asphalt	
2				ND					2"-60" Brown-black, dry, f-c SAND, little Silt, little Gravel, little Cinders.	SW
3										
4				1100						
5										
6										
7	5 - 9	S-1	48/24	0.5					Brown, moist to wet, f-c SAND, some Silt, some Gravel (4" of black organic SILT at 9')	SM
8										
9										
10										
11	9 -13	S-2	48/24	5.7					Brown, moist to wet, f-c SAND, some Gravel, some Silt	SM
12										
13										
14										
15	13 - 17	S-3	48/20	1.5					Gray, wet, f-c SAND, some Silt some Gravel.	SM
16										
17					Bottom of boring at 17 feet					
18										
19										
20										

Well Construction

Well Screen	8'-18'
Filter Pack	5'-18'
Divider Seal	
Annular Seal	2'-5' (Bentonite Holeplug)
Surface Seal	Flush mounted roadbox

NOTES:

Soils wet at 13 feet.

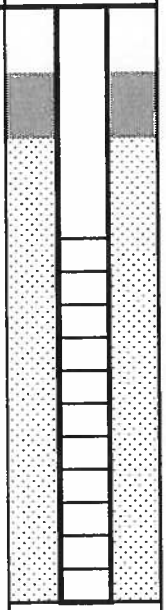
Soil sample from 9-10 ft was submitted for laboratory analysis.

At completion of soil sampling, borehole was redrilled to 18' using 6-5/8" ID HSA and 4" monitoring well was installed on 12/20/00.

JACQUES WHITFORD COMPANY, INC

Project:	Con Edison: 3rd Avenue Yard - Brooklyn, New York				1 of 1
Client:	Consolidated Edison of New York				
Contractor:	EPI	Casing Size:	3/4 -inch	Boring #.	B-4N/MW-4N
Drilling Method:	DP (Hurricane)			Date Begun:	12/14/00
Ground Elevation:	Not surveyed (MSL)	Checked By:	MSG	Completed:	12/19/00
Logged By:	CSP	Protection Level:	D	Depth to Water (in well):	12.0 ft bgs

Depth (ft)	Sample Interval (ft)	Sample No.	Rec/Pen (inches)	PID Sample (ppm)	Standard Penetration Test (blows/foot) 0 - 6"	6" - 12"	12" - 18"	18" - 24"	Soil/Rock Description	Soil Classification
1					Hand dug to 5 feet				0-2" Asphalt	
2				ND					2"-60" Gray-black, dry, f-c	
3									SAND, some Silt, little Gravel	SM
4										
5	5 - 9	S-1	48/40	5					34" of brown, moist, f-c	SM
6				5					SAND, some Silt, little Gravel	
7				5					over	
8				5					6" of gray-brown, moist, f-c	GP
9				20					SAND and GRAVEL, ltl. Silt	
10	9-13	S-2	48/34	40					24" of brown, moist to wet, f-c	
11				60					SAND, some Silt, ltl. Gravel	SM
12				300					over	
13				150	Petroleum odor.				10" gray-brown, moist to wet,	GP
14				80					f-c SAND and GRAVEL, ltl. Si	
15	13 - 17	S-3	48/30	5	Petroleum odor.				Gray-black, wet, f-c SAND,	SM
16				5					some Silt, some Gravel.	
17				5						
18					Bottom of boring at 17 feet					
19										
20										



Well Screen	8'-18'
Filter Pack	5'-18'
Divider Seal	
Annular Seal	3'-5' (Bentonite Holeplug)
Surface Seal	Flush mounted roadbox

NOTES:

Soils wet at 12 feet.

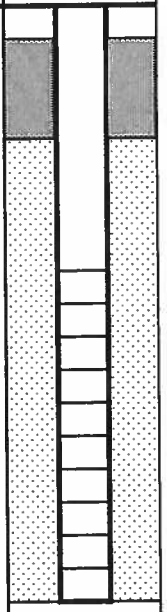
Soil sample from 11-12 ft was submitted for laboratory analysis

At completion of soil sampling, borehole was redrilled to 18' using 6-5/8" ID HSA and 4" monitoring well was installed on 12/19/00.

JACQUES WHITFORD COMPANY, INC

Project:	Con Edison: 3rd Avenue Yard - Brooklyn, New York				1 of 1
Client:	Consolidated Edison of New York				
Contractor:	EPI	Casing Size:	3/4 -inch	Boring #.	B-5N/MW-5N
Drilling Method:	DP (Hurricane)			Date Begun:	12/13/00
Ground Elevation:	Not surveyed (MSL)	Checked By:	MSG	Completed:	12/19/00
Logged By:	CSP	Protection Level:	D	Depth to Water (in well):	11.75 ft bgs

Depth (ft)	Sample Interval (ft)	Sample No.	Rec/Pen (inches)	PID Sample (ppm)	Standard Penetration Test (blows/foot) 0 - 6"	6" - 12"	12" - 18"	18" - 24"	Soil/Rock Description	Soil Classification
1					Hand dug to 5 feet				0-2" Asphalt	
2				0.5					2"-60" Brown-black, dry, f-c SAND, little Silt, little Gravel.	SW
3										
4				0.3						
5										
6										
7	5 - 9	S-1	48/32	0.4					Brown, moist to wet, f-c SAND, some Silt, some Gravel trace Cinders.	SM
8										
9										
10										
11	9 -13	S-2	48/30	ND					Alternating layers of brown, moist to wet, f-m SAND, some Silt and brown-gray organic SILT	SM/PT
12										
13										
14										
15	13 - 17	S-3	48/20	1.5					Similar to 9'-13' sample	SM/PT
16										
17					Bottom of boring at 17 feet					
18										
19										
20										



Well Screen	8'-18'
Filter Pack	5'-18'
Divider Seal	
Annular Seal	2'-5' (Bentonite Holeplug)
Surface Seal	Flush mounted roadbox

NOTES:

Soils wet at 10 feet.

Soil sample from 8-9 ft was submitted for laboratory analysis.

At completion of soil sampling, borehole was redrilled to 18' using 6-5/8" ID HSA and 4" monitoring well was installed on 12/19/00.

JACQUES WHITFORD COMPANY, INC

Project:	Con Edison: 3rd Avenue Yard - Brooklyn, New York				1 of 1
Client:	Consolidated Edison of New York				
Contractor:	EPI	Casing Size:	3/4 -inch	Boring #.	B-6N
Drilling Method:	DP (Hurricane)			Date Begun:	12/14/00
Ground Elevation:	Not surveyed (MSL)	Checked By:	MSG	Completed:	12/14/00
Logged By:	CSP	Protection Level:	D	Depth to Water:	12 ft bgs

Depth (ft)	Sample Interval (ft)	Sample No.	Rec/Pen (inches)	PID Sample (ppm)	Standard Penetration Test (blows/foot) 0 - 6"	6" - 12"	12" - 18"	18" - 24"	Soil/Rock Description	Soil Classification	Well Construction
1					Hand dug to 5 feet				0-2" Asphalt		
2									2"-60" Dark brown/black, dry,		No well
3									f-c SAND, little Gravel, little	SW	installed.
4				17					Cobbles, little Silt.		
5				15							
6				35							
7	5 - 9	S-1	48/40	50					24" as above over 12" brown,	SM	
8				70					moist, f-m SAND, some Silt,		
9				180					over 4" gray, moist, f-c SAND,		
10				260					ltl. Gravel, ltl. Silt.		
11	9 -13	S-2	48/30	150					18" brown, moist f-m SAND,	SC	
12				150					some clayey Silt over 12"		
13				10					gray, wet, f-c SAND, little	SW	
14				5					Gravel, little Silt.		
15	13 - 17	S-3	48/24	13					Gray, wet, f-c SAND, little	SW	
16				10					Gravel, little Silt.		
17											
18					Bottom of boring at 17 feet						
19											
20											

Well Screen	N/A
Filter Pack	N/A
Divider Seal	N/A
Annular Seal	N/A
Surface Seal	N/A

NOTES:
Soils wet at 12 feet.
Soil sample from 9-10 ft was submitted for laboratory analysis.

JACQUES WHITFORD COMPANY, INC

Project:	Con Edison: 3rd Avenue Yard - Brooklyn, New York				1 of 1
Client:	Consolidated Edison of New York				
Contractor:	EPI	Casing Size:	3/4 -inch	Boring #.	B-7N
Drilling Method:	DP (Hurricane)			Date Begun:	12/14/00
Ground Elevation:	Not surveyed (MSL)	Checked By:	MSG	Completed:	12/14/00
Logged By:	CSP	Protection Level:	D	Depth to Water:	12 ft bgs

Depth (ft)	Sample Interval (ft)	Sample No.	Rec/Pen (inches)	PID Sample (ppm)	Standard Penetration Test (blows/foot) 0 - 6"	6" - 12"	12" - 18"	18" - 24"	Soil/Rock Description	Soil Classification	Well Construction
1	0-4	S-1	48/32	2					0-2" Asphalt		
2				5					2"-48" Gray-black, dry, f-c		No well
3				20					SAND, some Silt, little Gravel,	SM	installed.
4				30					trace Brick.		
5	4-8	S-2	48/40	10					32" as above over		
6				25					8" gray, moist, f-c SAND		
7				15					little Gravel, little Silt.	SW	
8				30							
9	8-12	S-3	48/36	25					24" dark brown, moist, f-m		
10				65					SAND, some Clayey Silt over		
11				70					12" gray, moist to wet, f-c	SC	
12				80					SAND, some clayey Silt,		
13	12-16	S-4	48/30	70					little Gravel.	SC	
14				29					Gray, wet, f-c SAND, some		
15				20					clayey Silt, some Gravel.	SC	
16				20							
17											
18					Bottom of boring at 16 feet						
19											
20											

Well Screen	N/A
Filter Pack	N/A
Divider Seal	N/A
Annular Seal	N/A
Surface Seal	N/A

NOTES:

Soils wet at 12 feet.

Soil sample from 11-12 ft was submitted for laboratory analysis

JACQUES WHITFORD COMPANY, INC

Project:	Con Edison: 3rd Avenue Yard - Brooklyn, New York				1 of 1
Client:	Consolidated Edison of New York				
Contractor:	EPI	Casing Size:	3/4 -inch	Boring #.	B-11S/MW-11S
Drilling Method:	DP (Hurricane)			Date Begun:	12/14/00
Ground Elevation:	Not surveyed (MSL)	Checked By:	MSG	Completed:	12/18/00
Logged By:	CSP	Protection Level:	D	Depth to Water (in well):	12.25 ft. bgs

Depth (ft)	Sample Interval (ft)	Sample No.	Rec/Pen (inches)	PID Sample (ppm)	Standard Penetration Test (blows/foot) 0 - 6"	6" - 12"	12" - 18"	18" - 24"	Soil/Rock Description	Soil Classification	Well Construction
1	0-5		NA		Augered directly to 5 feet bgs.				0-2" Asphalt		
2									2"-60" Gray, dry, f-c SAND, little Silt, little Gravel.	SW	
3				40							
4											
5	5-9	S-1	48/38		Petroleum odor at 8-9'.				Brown to black, moist, f-c SAND, little Silt, little Gravel.	SW	
6				25							
7											
8				150							
9	9 - 13	S-2	48/24						20" as above over	SW	
10				100					4' gray, wet, m-c SAND trace Silt.	SW	
11											
12				150							
13	13 - 17	S-3	48/30						Gray, wet, m-c SAND, trace Silt.	SW	
14				170							
15											
16				80							
17											
18					Bottom of boring at 17 feet						
19											
20											

Well Screen	4'-19'
Filter Pack	2'-19'
Divider Seal	
Annular Seal	1'-2' (Bentonite Holeplug)
Surface Seal	Flush mounted roadbox

NOTES:

Soils wet at 12 feet.

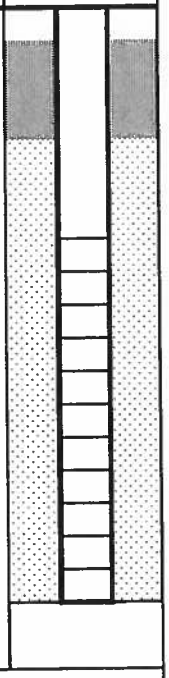
Soil sample from 8-9 ft was submitted for laboratory analysis

At completion of soil sampling, borehole was redrilled to 19' using 6-5/8" ID HSA and 4" monitoring well was installed on 12/18/00.

JACQUES WHITFORD COMPANY, INC

Project:	Con Edison: 3rd Avenue Yard - Brooklyn, New York				1 of 1
Client:	Consolidated Edison of New York				
Contractor:	EPI	Casing Size:	3/4 -inch	Boring #.	B-12S/MW-12S
Drilling Method:	DP (Hurricane)			Date Begun:	12/14/00
Ground Elevation:	Not surveyed (MSL)	Checked By:	MSG	Completed:	12/20/00
Logged By:	CSP	Protection Level:	D	Depth to Water (in well):	12.3 ft. bgs

Depth (ft)	Sample Interval (ft)	Sample No.	Rec/Pen (inches)	PID Sample (ppm)	Standard Penetration Test (blows/foot) 0 - 6"	6" - 12"	12" - 18"	18" - 24"	Soil/Rock Description	Soil Classification
1	0-5		NA		Augered directly to 5 feet bgs.				0-2" Asphalt	
2				15					2"-60" Dark brown, dry, f-m SAND, little Silt, little Gravel, trace Brick.	SW
3										
4										
5	5-9	S-1	48/20						Similar to 0-5 sample.	SW
6				50						
7										
8				120						
9	9 - 13	S-2	48/24						Dark brown, moist to wet, f-m SAND, some Silt.	SM
10				25						
11										
12				25						
13	13 - 17	S-3	48/30						Brown, wet, f-m SAND some clayey Silt.	SC
14				10						
15										
16				10						
17										
18					Bottom of boring at 17 feet					
19										
20										



Well Screen	8'-18'
Filter Pack	5'-18'
Divider Seal	
Annular Seal	2'-5' (Bentonite Holeplug)
Surface Seal	Flush mounted roadbox

NOTES:

Soils wet at 12 feet.

Soil sample from 10-11 ft was submitted for laboratory analysis

At completion of soil sampling, borehole was redrilled to 18' using 6-5/8" ID HSA and 4" monitoring well was installed on 12/20/00.

JACQUES WHITFORD COMPANY, INC

Project:	Con Edison: 3rd Avenue Yard - Brooklyn, New York				1 of 1
Client:	Consolidated Edison of New York				
Contractor:	EPI	Casing Size:	3/4 -inch	Boring #.	B-13S/MW-13S
Drilling Method:	DP (Hurricane)			Date Begun:	12/14/00
Ground Elevation:	Not surveyed (MSL)	Checked By:	MSG	Completed:	12/18/00
Logged By:	CSP	Protection Level:	D	Depth to Water (in well):	12.20 ft. bgs

Depth (ft)	Sample Interval (ft)	Sample No.	Rec/Pen (inches)	PID Sample (ppm)	Standard Penetration Test (blows/foot) 0 - 6"	6" - 12"	12" - 18"	18" - 24"	Soil/Rock Description	Soil Classification	Well Construction
1	0-5		NA		Augered directly to 5 feet bgs.				0-2" Asphalt		
2									2"-60" Gray, dry, f-c SAND, some clayey Silt, trace Gravel, trace Brick.	SM	
3				10							
4											
5	5-9	S-1	48/30		Petroleum odor at 8-9'.				Similar to sample 0-5'	SM	
6				30							
7											
8				120							
9	9 - 13	S-2	48/24						Brown, moist to wet, f-m SAND, some clayey Silt.	SC	
10				25							
11											
12				10							
13	13 - 17	S-3	48/24						Similar to sample 9-13 (wet)	SC	
14				10							
15											
16											
17											
18					Bottom of boring at 17 feet						
19											
20											

Well Screen	4'-19'
Filter Pack	2'-19'
Divider Seal	
Annular Seal	1'-2' (Bentonite Holeplug)
Surface Seal	Flush mounted roadbox

NOTES:

Soils wet at 12 feet.

Soil sample from 8-9 ft was submitted for laboratory analysis

At completion of soil sampling, borehole was redrilled to 19' using 6-5/8" ID HSA and 4" monitoring well was installed on 12/18/00.

JACQUES WHITFORD COMPANY, INC

Project:	Con Edison: 3rd Avenue Yard - Brooklyn, New York				1 of 1
Client:	Consolidated Edison of New York				
Contractor:	EPI	Casing Size:	3/4 -inch	Boring #.	B-14S/MW-14S
Drilling Method:	DP (Hurricane)			Date Begun:	12/15/00
Ground Elevation:	Not surveyed (MSL)	Checked By:	MSG	Completed:	12/18/00
Logged By:	CSP	Protection Level:	D	Depth to Water (in well):	11.85 ft. bgs

Depth (ft)	Sample Interval (ft)	Sample No.	Rec/Pen (inches)	PID Sample (ppm)	Standard Penetration Test (blows/foot) 0 - 6"	6" - 12"	12" - 18"	18" - 24"	Soil/Rock Description	Soil Classification
1	0-5		NA		Augered directly to 5 feet bgs.				0-2" Asphalt	
2				230	Petroleum odor.				2"-60" Black, dry, f-c SAND, some Silt, little Gravel, trace Brick, trace Concrete.	SM
3										
4										
5	5-9	S-1	48/30		Petroleum odor.				Dark brown, moist, f-c SAND, some Silt, trace Gravel.	SM
6				40						
7										
8				70						
9	9 - 13	S-2	48/40		Petroleum odor.				Brown, moist to wet, f-m SAND, some Silt.	SM
10										
11				330						
12										
13	13 - 17	S-3	48/10		Petroleum odor.				Gray, wet, f-m SAND, some Silt.	SM
14				2000						
15										
16										
17										
18					Bottom of boring at 17 feet					
19										
20										

Well Construction

Well Screen	9'-19'
Filter Pack	7'-19'
Divider Seal	
Annular Seal	2'-7' (Bentonite Holeplug)
Surface Seal	Flush mounted roadbox

NOTES:

Soils wet at 10 feet.

Soil sample from 8-9 ft was submitted for laboratory analysis

At completion of soil sampling, borehole was redrilled to 19' using 6-5/8" ID HSA and 4" monitoring well was installed on 12/18/00.

JACQUES WHITFORD COMPANY, INC

Project:	Con Edison: 3rd Avenue Yard - Brooklyn, New York				1 of 1
Client:	Consolidated Edison of New York				
Contractor:	EPI	Casing Size:	3/4 -inch	Boring #.	B-15S
Drilling Method:	DP (Hurricane)			Date Begun:	12/15/00
Ground Elevation:	Not surveyed (MSL)	Checked By:	MSG	Completed:	12/15/00
Logged By:	CSP	Protection Level:	D	Depth to Water:	10 ft bgs

Depth (ft)	Sample Interval (ft)	Sample No.	Rec/Pen (inches)	PID Sample (ppm)	Standard Penetration Test (blows/foot) 0 - 6"	6" - 12"	12" - 18"	18" - 24"	Soil/Rock Description	Soil Classification	Well Construction
1	0-5				Augered directly to 5 feet.				0-2" Asphalt		
2									2"-60" Black, dry, f-m SAND,		No well
3				5					some Silt, little Gravel.	SM	installed.
4											
5				3							
6											
7	5 - 9	S-1	48/30						Brown, moist, f-m SAND,	SM	
8				2					some Silt, tr. Gravel, tr. Brick		
9											
10											
11	9 -13	S-2	48/24	300					Brown, moist to wet, f-m	SC	
12									SAND, some clayey Silt.		
13											
14				50							
15	13 - 17	S-3	48/24						Similar to 9-13' sample (wet).	SC	
16											
17											
18					Bottom of boring at 17 feet						
19											
20											

Well Screen	N/A
Filter Pack	N/A
Divider Seal	N/A
Annular Seal	N/A
Surface Seal	N/A

NOTES:

Soils wet at 10 feet.

Soil sample from 8-9 ft was submitted for laboratory analysis.

JACQUES WHITFORD COMPANY, INC

Project:	Con Edison: 3rd Avenue Yard - Brooklyn, New York				1 of 1
Client:	Consolidated Edison of New York				
Contractor:	EPI	Casing Size:	3/4 -inch	Boring #.	B-16S
Drilling Method:	DP (Hurricane)			Date Begun:	12/15/00
Ground Elevation:	Not surveyed (MSL)	Checked By:	MSG	Completed:	12/15/00
Logged By:	CSP	Protection Level:	D	Depth to Water:	11 ft bgs

	Depth (ft)	Sample Interval (ft)	Sample No.	Rec/Pen (inches)	PID Sample (ppm)	Standard Penetration Test (blows/foot) 0 - 6"	6" - 12"	12" - 18"	18" - 24"	Soil/Rock Description	Soil Classification	Well Construction
1	0-5					Augered directly to 5 feet.				0-2" Asphalt		
2										2"-60" Black, dry, f-m SAND, some Silt, trace Gravel, trace Brick, trace Concrete.	SM	No well installed.
3					5							
4												
5					3							
6												
7	5 - 9	S-1	48/34							Dark brown, moist, f-c SAND, some Silt, little Gravel.	SM	
8					2							
9												
10												
11	9 -13	S-2	48/40	300						Brown, moist to wet, f-m SAND, some Silt.	SM	
12												
13												
14					50							
15	13 - 17	S-3	48/40							Similar to 9-13' sample (wet). (8" seam of gray, f-c SAND and GRAVEL at 14').	SM/GW	
16												
17												
18						Bottom of boring at 17 feet						
19												
20												

Well Screen	N/A
Filter Pack	N/A
Divider Seal	N/A
Annular Seal	N/A
Surface Seal	N/A

NOTES:
Soils wet at 11 feet.
Soil sample from 9-10 ft was submitted for laboratory analysis.

JACQUES WHITFORD COMPANY, INC

Project:	Con Edison: 3rd Avenue Yard - Brooklyn, New York				1 of 1
Client:	Consolidated Edison of New York				
Contractor:	EPI	Casing Size:	3/4 -inch	Boring #.	B-17S
Drilling Method:	DP (Hurricane)			Date Begun:	12/15/00
Ground Elevation:	Not surveyed (MSL)	Checked By:	MSG	Completed:	12/15/00
Logged By:	CSP	Protection Level:	D	Depth to Water:	10 ft bgs

Depth (ft)	Sample Interval (ft)	Sample No.	Rec/Pen (inches)	PID Sample (ppm)	Standard Penetration Test (blows/foot) 0 - 6"	6" - 12"	12" - 18"	18" - 24"	Soil/Rock Description	Soil Classification	Well Construction
1	0-5				Augered directly to 5 feet.				0-2" Asphalt		
2				15					2"-60" Black, dry, f-m SAND, some Silt, trace Gravel.	SM	No well installed.
3											
4											
5											
6				5							
7	5 - 9	S-1	48/32		Slight petroleum odor.				Similar to 0-5' sample. (moist)	SM	
8				10							
9											
10				1							
11	9 -13	S-2	48/40						Gray, moist to wet, f-m SAND, some clayey Silt.	SC	
12				1							
13											
14				10							
15	13 - 17	S-3	48/42						Similar to 9-13' sample (wet).	SC	
16				10							
17											
18					Bottom of boring at 17 feet						
19											
20											

Well Screen	N/A
Filter Pack	N/A
Divider Seal	N/A
Annular Seal	N/A
Surface Seal	N/A

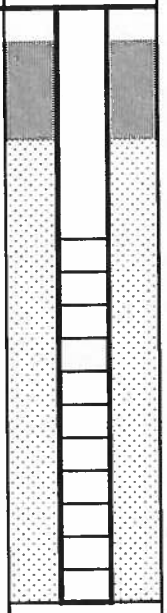
NOTES:
Soils wet at 10 feet.
Soil sample from 8-9 ft was submitted for laboratory analysis.

JACQUES WHITFORD COMPANY, INC

Project:	Con Edison: 3rd Avenue Yard - Brooklyn, New York				1 of 1
Client:	Consolidated Edison of New York				
Contractor:	EPI	Casing Size:	3/4 -inch	Boring #.	B-18S/MW-18S
Drilling Method:	DP (Hurricane)			Date Begun:	12/14/00
Ground Elevation:	Not surveyed (MSL)	Checked By:	MSG	Completed:	12/20/00
Logged By:	CSP	Protection Level:	D	Depth to Water (in well):	11.5 ft. bgs

Depth (ft)	Sample Interval (ft)	Sample No.	Rec/Pen (inches)	PID Sample (ppm)	Standard Penetration Test (blows/foot) 0 - 6"	6" - 12"	12" - 18"	18" - 24"	Soil/Rock Description	Soil Classification
1	0-5		NA		Augered directly to 5 feet bgs.				0-2" Asphalt	
2				15					2"-60" Dark brown, dry, f-m SAND, some Silt.	SM
3										
4										
5	5-9	S-1	48/30						Dark brown, moist, f-m SAND some Silt, tr. Gravel, tr. Brick.	SM
6				3						
7										
8				5						
9	9 - 13	S-2	48/12						Dark brown, moist to wet, f-c SAND, some clayey Silt, trace Gravel	SC
10				5						
11										
12				5						
13	13 - 17	S-3	48/48						Brown, wet, f-m SAND some Silt.	SM
14				10						
15										
16				5						
17										
18					Bottom of boring at 17 feet					
19										
20										

Well Construction



Well Screen	8'-18'
Filter Pack	5'-18'
Divider Seal	
Annular Seal	2'-5' (Bentonite Holeplug)
Surface Seal	Flush mounted roadbox

NOTES:

Soils wet at 13 feet.

Soil sample from 11-12 ft was submitted for laboratory analysis

At completion of soil sampling, borehole was redrilled to 18' using 6-5/8" ID HSA and 4" monitoring well was installed on 12/20/00.

JACQUES WHITFORD COMPANY, INC

Project:	Con Edison: 3rd Avenue Yard - Brooklyn, New York				1 of 1
Client:	Consolidated Edison of New York				
Contractor:	EPI	Casing Size:	3/4 -inch	Boring #.	B-19S/MW-19S
Drilling Method:	DP (Hurricane)			Date Begun:	12/14/00
Ground Elevation:	Not surveyed (MSL)	Checked By:	MSG	Completed:	12/19/00
Logged By:	CSP	Protection Level:	D	Depth to Water (in well):	11.8 ft. bgs

	Depth (ft)	Sample Interval (ft)	Sample No.	Rec/Pen (inches)	PID Sample (ppm)	Standard Penetration Test (blows/foot) 0 - 6"	6" - 12"	12" - 18"	18" - 24"	Soil/Rock Description	Soil Classification	Well Construction
1		0-4		NA		Augered directly to 4 feet bgs.				0-2" Asphalt		
2					70					2"-48" Brown, dry, f-m SAND little Silt, trace Cinders	SW	
3												
4					15							
5		4 - 8	S-1	48/36	15					Light brown, moist, f-m SAND little Silt.	SW	
6					25							
7												
8					150							
9		8 - 12	S-2	48/24						18" as above over 2" red-brown, moist to wet, f-m SAND, little Silt over	SW	
10												
11												
12					100					4" gray, wet, f-c SAND, little Silt, little Gravel.	SW	
13												
14		12-16	S-3	48/12						Red-brown, wet, f-m SAND some Silt.	SM	
15												
16					6							
17		16 - 20	S-4	48/0						No recovery. (Auger cuttings appear similar to 12-16 sample).	SW/SM	
18												
19												
20						Bottom of boring at 20 feet						

Well Screen	8'-18'
Filter Pack	5'-18'
Divider Seal	
Annular Seal	2'-5' (Bentonite Holeplug)
Surface Seal	Flush mounted roadbox

NOTES:

Soils wet at 12 feet.

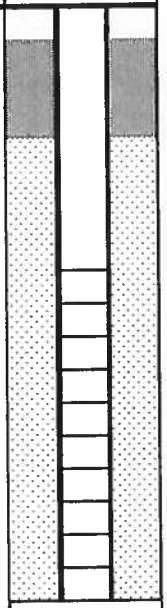
Soil sample from 10-11 ft was submitted for laboratory analysis

At completion of soil sampling, borehole was redrilled to 18' using 6-5/8" ID HSA and 4" monitoring well was installed on 12/19/00.

JACQUES WHITFORD COMPANY, INC

Project:	Con Edison: 3rd Avenue Yard - Brooklyn, New York		1 of 1
Client:	Consolidated Edison of New York		
Contractor:	EPI	Casing Size: 3/4 -inch	Boring #. B-20S/MW-20S
Drilling Method:	DP (Hurricane)		Date Begun: 12/15/00
Ground Elevation:	Not surveyed (MSL)	Checked By: MSG	Completed: 12/19/00
Logged By:	CSP	Protection Level: D	Depth to Water (in well): 11.20 ft. bgs

Depth (ft)	Sample Interval (ft)	Sample No.	Rec/Pen (inches)	PID Sample (ppm)	Standard Penetration Test (blows/foot) 0 - 6"	6" - 12"	12" - 18"	18" - 24"	Soil/Rock Description	Soil Classification
1	0-5		NA		Augered directly to 5 feet bgs.				0-2" Asphalt	
2				10					2"-60" Black, dry, f-m SAND, some Silt, trace Gravel.	SM
3										
4										
5	5-9	S-1	48/24						Similar to 0-5 sample (moist).	SM
6				ND						
7										
8				ND						
9	9 - 13	S-2	48/24						Gray, moist to wet, f-m SAND, some Silt, little Gravel.	SM
10				ND						
11										
12				ND						
13	13 - 17	S-3	48/24						Similar to 9-13' sample (wet).	SM
14				ND						
15										
16										
17										
18					Bottom of boring at 17 feet					
19										
20										



Well Screen	8'-18'
Filter Pack	5'-18'
Divider Seal	
Annular Seal	2'-5' (Bentonite Holeplug)
Surface Seal	Flush mounted roadbox

NOTES:

Soils wet at 10 feet.

Soil sample from 8-9 ft was submitted for laboratory analysis

At completion of soil sampling, borehole was redrilled to 18' using 6-5/8" ID HSA and 4" monitoring well was installed on 12/19/00.

Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

12/28/2000

Custody Document: ***K5841***

Received: 12/18/2000 16:20
Sampled by: N/A

Client: ***Con Edison-Accounts Payable (18200)***

PO Box 799, Cooper Station
New York,
NY 10276

Project: ***Con Ed***

31-01 20th Ave.
Long Island City,
NY 11105

Manager: J. Celestine

Respectfully submitted,

Laboratory Director

Post-it® Fax Note 7671	Date 12/19	# of pages ▶ 34
To RICHIE	From	
Co./Dept.	Co.	
Phone #	Phone #	
Fax #	Fax #	

NYS Lab ID # 10969
NJ Cert. # 73812
CT Cert. # PH0645
MA Cert. # NY061
PA Cert. # 68-535
VA Cert. # 108
NH Cert. # 252592-BA
RI Cert. # 161

Environmental Testing Laboratories, Inc.
208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

12/28/2000

EPA 8021B Stars Memo Cmpds

Sample: K5841-4
Client Sample ID: 00-11784-004 Collected: 12/13/2000 10:20
Matrix: Liquid Type: Composite
Remarks: See Case Narrative
Analyzed Date: 12/19/2000

Cas No	Analyte	MDL	Concentration	Units	Q
1634-04-4	MTBE	0.23	0.23	ppb	U
71-43-2	Benzene	0.14	0.14	ppb	U
108-88-3	Toluene	0.16	0.16	ppb	U
100-41-4	Ethylbenzene	0.21	0.21	ppb	U
108-38-3	m,p-xylene	0.45	0.45	ppb	U
95-47-6	o-xylene	0.27	0.27	ppb	U
1330-20-7	Xylenes(Total)	0.72	0.72	ppb	U
98-82-8	Isopropylbenzene	0.21	0.21	ppb	U
103-65-1	n-Propylbenzene	0.28	0.28	ppb	U
108-67-8	1,3,5-Trimethylbenzene	0.30	0.30	ppb	U
98-06-6	tert-Butylbenzene	0.29	0.29	ppb	U
95-63-6	1,2,4-Trimethylbenzene	0.25	0.25	ppb	U
135-98-8	sec-Butylbenzene	0.25	0.25	ppb	U
99-87-6	p-Isopropyltoluene	0.31	0.31	ppb	U
104-51-8	n-Butylbenzene	0.27	0.27	ppb	U
91-20-3	Naphthalene	0.18	0.18	ppb	U

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12/28/2000

EPA 8021B Stars Memo Cmpds

Sample: K5841-5
Client Sample ID: 00-11784-005
Matrix: Liquid
Remarks: See Case Narrative
Analyzed Date: 12/19/2000

Type: Composite

Collected: 12/13/2000 12:00

Cas No	Analyte	MDL	Concentration	Units	Q
1634-04-4	MTBE	0.23	0.23	ppb	U
71-43-2	Benzene	0.14	0.14	ppb	U
108-88-3	Toluene	0.16	0.16	ppb	U
100-41-4	Ethylbenzene	0.21	0.21	ppb	U
108-38-3	m,p-xylene	0.45	0.45	ppb	U
95-47-6	o-xylene	0.27	0.27	ppb	U
1330-20-7	Xylenes(Total)	0.72	0.72	ppb	U
98-82-8	Isopropylbenzene	0.21	0.21	ppb	U
103-65-1	n-Propylbenzene	0.28	0.28	ppb	U
108-67-8	1,3,5-Trimethylbenzene	0.30	0.30	ppb	U
98-06-6	tert-Butylbenzene	0.29	0.29	ppb	U
95-63-6	1,2,4-Trimethylbenzene	0.25	0.25	ppb	U
135-98-8	sec-Butylbenzene	0.25	0.25	ppb	U
99-87-6	p-Isopropyltoluene	0.31	0.31	ppb	U
104-51-8	n-Butylbenzene	0.27	0.27	ppb	U
91-20-3	Naphthalene	0.18	0.18	ppb	U

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12/28/2000

TCLP 8021 Stars Memo List

Sample: K5841-1
Client Sample ID: 00-11784-001
Matrix: Soil
Type: Composite
Collected: 12/13/2000 10:15
% Solid: 85.6%
Remarks: See Case Narrative
Analyzed Date: 12/20/2000

Cas No	Analyte	MDL	Concentration	Units	Q
1634-04-4	MTBE	0.00023	**0.0028**	ppm	
71-43-2	Benzene	0.00014	0.00014	ppm	U
108-88-3	Toluene	0.00016	**0.0011**	ppm	
100-41-4	Ethylbenzene	0.00021	**0.00080**	ppm	
108-38-3	m,p-xylene	0.00045	**0.0047**	ppm	
95-47-6	o-xylene	0.00027	**0.0019**	ppm	
1330-20-7	Xylenes(Total)	0.00072	**0.0066**	ppm	
98-82-8	Isopropylbenzene	0.00021	0.00021	ppm	U
103-65-1	n-Propylbenzene	0.00028	**0.00070**	ppm	
108-67-8	1,3,5-Trimethylbenzene	0.00030	**0.0023**	ppm	
95-63-6	1,2,4-Trimethylbenzene	0.00025	**0.0054**	ppm	
135-98-8	sec-Butylbenzene	0.00025	0.00025	ppm	U
99-87-6	p-Isopropyltoluene	0.00031	0.00031	ppm	U
104-51-8	n-Butylbenzene	0.00027	0.00027	ppm	U
91-20-3	Naphthalene	0.00018	**0.0048**	ppm	
98-06-6	tert-Butylbenzene	0.00029	0.00029	ppm	U

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12/28/2000

TCLP 8021 Stars Memo List

Sample: K5841-2
Client Sample ID: 00-11784-002
Matrix: Soil
Type: Composite
Collected: 12/13/2000 10:50
% Solid: 89.2%
Remarks: See Case Narrative
Analyzed Date: 12/20/2000

Cas No	Analyte	MDL	Concentration	Units	Q
1634-04-4	MTBE	0.00023	0.0028	ppm	
71-43-2	Benzene	0.00014	0.00014	ppm	U
108-88-3	Toluene	0.00016	0.00016	ppm	U
100-41-4	Ethylbenzene	0.00021	0.00021	ppm	U
108-38-3	m,p-xylene	0.00045	0.00045	ppm	U
95-47-6	o-xylene	0.00027	0.00027	ppm	U
1330-20-7	Xylenes(Total)	0.00072	0.00072	ppm	U
98-82-8	Isopropylbenzene	0.00021	0.00021	ppm	U
103-65-1	n-Propylbenzene	0.00028	0.00028	ppm	U
108-67-8	1,3,5-Trimethylbenzene	0.00030	0.00050	ppm	
95-63-6	1,2,4-Trimethylbenzene	0.00025	0.00025	ppm	U
135-98-8	sec-Butylbenzene	0.00025	0.00025	ppm	U
99-87-6	p-Isopropyltoluene	0.00031	0.00031	ppm	U
104-51-8	n-Butylbenzene	0.00027	0.00027	ppm	U
91-20-3	Naphthalene	0.00018	0.00018	ppm	U
98-06-6	tert-Butylbenzene	0.00029	0.00029	ppm	U

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12/28/2000

TCLP 8021 Stars Memo List

Sample: K5841-3
Client Sample ID: 00-11784-003
Matrix: Soil
Type: Composite
Collected: 12/13/2000 15:10
% Solid: 86.8%
Remarks: See Case Narrative
Analyzed Date: 12/20/2000

Cas No	Analyte	MDL	Concentration	Units	Q
1634-04-4	MTBE	0.00023	0.0028	ppm	
71-43-2	Benzene	0.00014	0.00014	ppm	U
108-88-3	Toluene	0.00016	0.00016	ppm	U
100-41-4	Ethylbenzene	0.00021	0.00021	ppm	U
108-38-3	m,p-xylene	0.00045	0.00045	ppm	U
95-47-6	o-xylene	0.00027	0.00027	ppm	U
1330-20-7	Xylenes(Total)	0.00072	0.00072	ppm	U
98-82-8	Isopropylbenzene	0.00021	0.00021	ppm	U
103-65-1	n-Propylbenzene	0.00028	0.00028	ppm	U
108-67-8	1,3,5-Trimethylbenzene	0.00030	0.00030	ppm	U
95-63-6	1,2,4-Trimethylbenzene	0.00025	0.00025	ppm	U
135-98-8	sec-Butylbenzene	0.00025	0.00025	ppm	U
99-87-6	p-Isopropyltoluene	0.00031	0.00031	ppm	U
104-51-8	n-Butylbenzene	0.00027	0.00027	ppm	U
91-20-3	Naphthalene	0.00018	0.00018	ppm	U
98-06-6	tert-Butylbenzene	0.00029	0.00029	ppm	U

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12/28/2000

TCLP 8021 Stars Memo List

Sample: K5841-6
Client Sample ID: 00-11784-006
Matrix: Soil
Remarks: See Case Narrative
Analyzed Date: 12/20/2000

Type: Composite

Collected: 12/14/2000 08:10
% Solid: 77.5%

Cas No	Analyte	MDL	Concentration	Units	Q
1634-04-4	MTBE	0.00023	**0.0031**	ppm	
71-43-2	Benzene	0.00014	**0.0018**	ppm	
108-88-3	Toluene	0.00016	**0.0029**	ppm	
100-41-4	Ethylbenzene	0.00021	**0.0079**	ppm	
108-38-3	m,p-xylene	0.00045	**0.020**	ppm	
95-47-6	o-xylene	0.00027	**0.0035**	ppm	
1330-20-7	Xylenes(Total)	0.00072	**0.023**	ppm	
98-82-8	Isopropylbenzene	0.00021	**0.0060**	ppm	
103-65-1	n-Propylbenzene	0.00028	**0.0091**	ppm	
108-67-8	1,3,5-Trimethylbenzene	0.00030	**0.037**	ppm	
95-63-6	1,2,4-Trimethylbenzene	0.00025	**0.076**	ppm	
135-98-8	sec-Butylbenzene	0.00025	0.00025	ppm	U
99-87-6	p-Isopropyltoluene	0.00031	**0.0033**	ppm	
104-51-8	n-Butylbenzene	0.00027	0.00027	ppm	U
91-20-3	Naphthalene	0.00018	**0.0026**	ppm	
98-06-6	tert-Butylbenzene	0.00029	0.00029	ppm	U

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12/28/2000

TCLP 8021 Stars Memo List

Sample: K5841-7
Client Sample ID: 00-11784-007
Matrix: Soil
Type: Composite
Collected: 12/14/2000 09:50
% Solid: 77.7%
Remarks: See Case Narrative
Analyzed Date: 12/20/2000

Cas No	Analyte	MDL	Concentration	Units	Q
1634-04-4	MTBE	0.00023	0.0027	ppm	
71-43-2	Benzene	0.00014	0.00014	ppm	U
108-88-3	Toluene	0.00016	0.00016	ppm	U
100-41-4	Ethylbenzene	0.00021	0.00021	ppm	U
108-38-3	m,p-xylene	0.00045	0.00045	ppm	U
95-47-6	o-xylene	0.00027	0.00027	ppm	U
1330-20-7	Xylenes(Total)	0.00072	0.00072	ppm	U
98-82-8	Isopropylbenzene	0.00021	0.00021	ppm	U
103-65-1	n-Propylbenzene	0.00028	0.00028	ppm	U
108-67-8	1,3,5-Trimethylbenzene	0.00030	0.00030	ppm	U
95-63-6	1,2,4-Trimethylbenzene	0.00025	0.00025	ppm	U
135-98-8	sec-Butylbenzene	0.00025	0.00025	ppm	U
99-87-6	p-Isopropyltoluene	0.00031	0.00031	ppm	U
104-51-8	n-Butylbenzene	0.00027	0.00027	ppm	U
91-20-3	Naphthalene	0.00018	0.00018	ppm	U
98-06-6	tert-Butylbenzene	0.00029	0.00029	ppm	U

Environmental Testing Laboratories, Inc.

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12/28/2000

TCLP 8021 Stars Memo List

Sample: K5841-8

Client Sample ID: 00-11784-008

Matrix: Soil

Type: Composite

Collected: 12/14/2000 11:00

% Solid: 77.6%

Remarks: See Case Narrative

Analyzed Date: 12/20/2000

Cas No	Analyte	MDL	Concentration	Units	Q
1634-04-4	MTBE	0.00023	**0.0025**	ppm	
71-43-2	Benzene	0.00014	0.00014	ppm	U
108-88-3	Toluene	0.00016	**0.00062**	ppm	
100-41-4	Ethylbenzene	0.00021	0.00021	ppm	U
108-38-3	m,p-xylene	0.00045	0.00045	ppm	U
95-47-6	o-xylene	0.00027	0.00027	ppm	U
1330-20-7	Xylenes(Total)	0.00072	0.00072	ppm	U
98-82-8	Isopropylbenzene	0.00021	0.00021	ppm	U
103-65-1	n-Propylbenzene	0.00028	0.00028	ppm	U
108-67-8	1,3,5-Trimethylbenzene	0.00030	0.00030	ppm	U
95-63-6	1,2,4-Trimethylbenzene	0.00025	0.00025	ppm	U
135-98-8	sec-Butylbenzene	0.00025	0.00025	ppm	U
99-87-6	p-Isopropyltoluene	0.00031	0.00031	ppm	U
104-51-8	n-Butylbenzene	0.00027	0.00027	ppm	U
91-20-3	Naphthalene	0.00018	0.00018	ppm	U
98-06-6	tert-Butylbenzene	0.00029	0.00029	ppm	U

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12/28/2000

TCLP 8021 Stars Memo List

Sample: K5841-9
Client Sample ID: 00-11784-009
Matrix: Soil
Type: Composite
Collected: 12/14/2000 12:10
% Solid: 88.5%
Remarks: See Case Narrative
Analyzed Date: 12/20/2000

Cas No	Analyte	MDL	Concentration	Units	Q
1634-04-4	MTBE	0.00023	0.0026	ppm	
71-43-2	Benzene	0.00014	0.00014	ppm	U
108-88-3	Toluene	0.00016	0.00016	ppm	U
100-41-4	Ethylbenzene	0.00021	0.00021	ppm	U
108-38-3	m,p-xylene	0.00045	0.00045	ppm	U
95-47-6	o-xylene	0.00027	0.00027	ppm	U
1330-20-7	Xylenes(Total)	0.00072	0.00072	ppm	U
98-82-8	Isopropylbenzene	0.00021	0.00021	ppm	U
103-65-1	n-Propylbenzene	0.00028	0.00028	ppm	U
108-67-8	1,3,5-Trimethylbenzene	0.00030	0.00030	ppm	U
95-63-6	1,2,4-Trimethylbenzene	0.00025	0.00025	ppm	U
135-98-8	sec-Butylbenzene	0.00025	0.00025	ppm	U
99-87-6	p-Isopropyltoluene	0.00031	0.00031	ppm	U
104-51-8	n-Butylbenzene	0.00027	0.00027	ppm	U
91-20-3	Naphthalene	0.00018	0.00018	ppm	U
98-06-6	tert-Butylbenzene	0.00029	0.00029	ppm	U

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12/28/2000

TCLP 8021 Stars Memo List

Sample: K5841-10
Client Sample ID: 00-11784-010
Matrix: Soil
Type: Composite
Collected: 12/14/2000 13:30
% Solid: 82.2%
Remarks: See Case Narrative
Analyzed Date: 12/20/2000

Cas No	Analyte	MDL	Concentration	Units	Q
1634-04-4	MTBE	0.00023	0.0027	ppm	
71-43-2	Benzene	0.00014	0.00014	ppm	U
108-88-3	Toluene	0.00016	0.00016	ppm	U
100-41-4	Ethylbenzene	0.00021	0.00021	ppm	U
108-38-3	m,p-xylene	0.00045	0.00045	ppm	U
95-47-6	o-xylene	0.00027	0.00027	ppm	U
1330-20-7	Xylenes(Total)	0.00072	0.00072	ppm	U
98-82-8	Isopropylbenzene	0.00021	0.00021	ppm	U
103-65-1	n-Propylbenzene	0.00028	0.00028	ppm	U
108-67-8	1,3,5-Trimethylbenzene	0.00030	0.00030	ppm	U
95-63-6	1,2,4-Trimethylbenzene	0.00025	0.00025	ppm	U
135-98-8	sec-Butylbenzene	0.00025	0.00025	ppm	U
99-87-6	p-Isopropyltoluene	0.00031	0.00031	ppm	U
104-51-8	n-Butylbenzene	0.00027	0.00027	ppm	U
91-20-3	Naphthalene	0.00018	0.00018	ppm	U
98-06-6	tert-Butylbenzene	0.00029	0.00029	ppm	U

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12/28/2000

TCLP 8021 Stars Memo List

Sample: K5841-11
Client Sample ID: 00-11784-011
Matrix: Soil
Type: Composite
Collected: 12/14/2000 14:00
% Solid: 91.8%
Remarks: See Case Narrative
Analyzed Date: 12/20/2000

Cas No	Analyte	MDL	Concentration	Units	Q
1634-04-4	MTBE	0.00023	**0.0038**	ppm	
71-43-2	Benzene	0.00014	0.00014	ppm	U
108-88-3	Toluene	0.00016	0.00016	ppm	U
100-41-4	Ethylbenzene	0.00021	**0.0015**	ppm	
108-38-3	m,p-xylene	0.00045	**0.0015**	ppm	
95-47-6	o-xylene	0.00027	**0.00080**	ppm	
1330-20-7	Xylenes(Total)	0.00072	**0.0023**	ppm	
98-82-8	Isopropylbenzene	0.00021	**0.00060**	ppm	
103-65-1	n-Propylbenzene	0.00028	**0.0013**	ppm	
108-67-8	1,3,5-Trimethylbenzene	0.00030	**0.0019**	ppm	
95-63-6	1,2,4-Trimethylbenzene	0.00025	**0.0054**	ppm	
135-98-8	sec-Butylbenzene	0.00025	0.00025	ppm	U
99-87-6	p-Isopropyltoluene	0.00031	0.00031	ppm	U
104-51-8	n-Butylbenzene	0.00027	0.00027	ppm	U
91-20-3	Naphthalene	0.00018	**0.050**	ppm	
98-06-6	tert-Butylbenzene	0.00029	0.00029	ppm	U

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12/28/2000

TCLP 8021 Stars Memo List

Sample: K5841-12
Client Sample ID: 00-11784-012
Matrix: Soil
Type: Composite
Collected: 12/14/2000 15:00
% Solid: 88.2%
Remarks: See Case/Narrative
Analyzed Date: 12/20/2000

Cas No	Analyte	MDL	Concentration	Units	Q
1634-04-4	MTBE	0.00023	**0.0026**	ppm	
71-43-2	Benzene	0.00014	0.00014	ppm	U
108-88-3	Toluene	0.00016	0.00016	ppm	U
100-41-4	Ethylbenzene	0.00021	0.00021	ppm	U
108-38-3	m,p-xylene	0.00045	0.00045	ppm	U
95-47-6	o-xylene	0.00027	0.00027	ppm	U
1330-20-7	Xylenes(Total)	0.00072	0.00072	ppm	U
98-82-8	Isopropylbenzene	0.00021	0.00021	ppm	U
103-65-1	n-Propylbenzene	0.00028	0.00028	ppm	U
108-67-8	1,3,5-Trimethylbenzene	0.00030	**0.0019**	ppm	
95-63-6	1,2,4-Trimethylbenzene	0.00025	**0.00070**	ppm	
135-98-8	sec-Butylbenzene	0.00025	0.00025	ppm	U
99-87-6	p-Isopropyltoluene	0.00031	0.00031	ppm	U
104-51-8	n-Butylbenzene	0.00027	0.00027	ppm	U
91-20-3	Naphthalene	0.00018	**0.0054**	ppm	
98-06-6	tert-Butylbenzene	0.00029	0.00029	ppm	U

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12/28/2000

TCLP 8021 Stars Memo List

Sample: K5841-13
Client Sample ID: 00-11784-013
Matrix: Soil
Remarks: See Case Narrative
Analyzed Date: 12/20/2000

Type: Composite

Collected: 12/14/2000 16:00
% Solid: 87.5%

Cas No	Analyte	MDL	Concentration	Units	Q
1634-04-4	MTBE	0.00023	**0.0025**	ppm	
71-43-2	Benzene	0.00014	0.00014	ppm	U
108-88-3	Toluene	0.00016	0.00016	ppm	U
100-41-4	Ethylbenzene	0.00021	0.00021	ppm	U
108-38-3	m,p-xylene	0.00045	0.00045	ppm	U
95-47-6	o-xylene	0.00027	0.00027	ppm	U
1330-20-7	Xylenes(Total)	0.00072	0.00072	ppm	U
98-82-8	Isopropylbenzene	0.00021	0.00021	ppm	U
103-65-1	n-Propylbenzene	0.00028	0.00028	ppm	U
108-67-8	1,3,5-Trimethylbenzene	0.00030	0.00030	ppm	U
95-63-6	1,2,4-Trimethylbenzene	0.00025	0.00025	ppm	U
135-98-8	sec-Butylbenzene	0.00025	0.00025	ppm	U
99-87-6	p-Isopropyltoluene	0.00031	0.00031	ppm	U
104-51-8	n-Butylbenzene	0.00027	0.00027	ppm	U
91-20-3	Naphthalene	0.00018	**0.092**	ppm	
98-06-6	tert-Butylbenzene	0.00029	0.00029	ppm	U

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12/28/2000

TCLP 8021 Stars Memo List

Sample: K5841-14
Client Sample ID: 00-11784-014
Matrix: Soil
Type: Composite
Collected: 12/15/2000 10:20
% Solid: 88.3%
Remarks: See Case Narrative
Analyzed Date: 12/20/2000

Cas No	Analyte	MDL	Concentration	Units	Q
1634-04-4	MTBE	0.00023	**0.0062**	ppm	
71-43-2	Benzene	0.00014	**0.0010**	ppm	
108-88-3	Toluene	0.00016	0.00016	ppm	U
100-41-4	Ethylbenzene	0.00021	**0.0015**	ppm	
108-38-3	m,p-xylene	0.00045	**0.0017**	ppm	
95-47-6	o-xylene	0.00027	0.00027	ppm	U
1330-20-7	Xylenes(Total)	0.00072	**0.0017**	ppm	
98-82-8	Isopropylbenzene	0.00021	**0.0014**	ppm	
103-65-1	n-Propylbenzene	0.00028	**0.0021**	ppm	
108-67-8	1,3,5-Trimethylbenzene	0.00030	**0.0011**	ppm	
95-63-6	1,2,4-Trimethylbenzene	0.00025	0.00025	ppm	U
135-98-8	sec-Butylbenzene	0.00025	0.00025	ppm	U
99-87-6	p-Isopropyltoluene	0.00031	**0.0069**	ppm	
104-51-8	n-Butylbenzene	0.00027	0.00027	ppm	U
91-20-3	Naphthalene	0.00018	**0.0080**	ppm	
98-06-6	tert-Butylbenzene	0.00029	0.00029	ppm	U

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12/28/2000

TCLP 8021 Stars Memo List

Sample: K5841-15
Client Sample ID: 00-11784-015
Matrix: Soil
Remarks: See Case Narrative
Analyzed Date: 12/20/2000

Type: Composite

Collected: 12/15/2000 11:00
% Solid: 86.6%

Cas No	Analyte	MDL	Concentration	Units	Q
1634-04-4	MTBE	0.00023	**0.0025**	ppm	
71-43-2	Benzene	0.00014	0.00014	ppm	U
108-88-3	Toluene	0.00016	0.00016	ppm	U
100-41-4	Ethylbenzene	0.00021	0.00021	ppm	U
108-38-3	m,p-xylene	0.00045	0.00045	ppm	U
95-47-6	o-xylene	0.00027	0.00027	ppm	U
1330-20-7	Xylenes(Total)	0.00072	0.00072	ppm	U
98-82-8	Isopropylbenzene	0.00021	0.00021	ppm	U
103-65-1	n-Propylbenzene	0.00028	0.00028	ppm	U
108-67-8	1,3,5-Trimethylbenzene	0.00030	**0.00060**	ppm	
95-63-6	1,2,4-Trimethylbenzene	0.00025	0.00025	ppm	U
135-98-8	sec-Butylbenzene	0.00025	0.00025	ppm	U
99-87-6	p-Isopropyltoluene	0.00031	0.00031	ppm	U
104-51-8	n-Butylbenzene	0.00027	0.00027	ppm	U
91-20-3	Naphthalene	0.00018	**0.00070**	ppm	
98-06-6	tert-Butylbenzene	0.00029	0.00029	ppm	U

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12/28/2000

TCLP Stars Memo Base Neutrals

Sample: K5841-1
Client Sample ID: 00-11784-001
Matrix: Soil
Remarks:
Analyzed Date: 12/30/1899

Type: Composite

Collected: 12/13/2000 10:15
% Solid: 85.6%

Cas No	Analyte	MDL	Concentration	Units	Q
91-20-3	Naphthalene	0.00089	**0.0027**	ppm	
83-32-9	Acenaphthene	0.00075	**0.0012**	ppm	
86-73-7	Fluorene	0.00068	0.00068	ppm	U
85-01-8	Phenanthrene	0.00059	0.00059	ppm	U
120-12-7	Anthracene	0.00053	0.00053	ppm	U
206-44-0	Fluoranthene	0.00047	0.00047	ppm	U
129-00-0	Pyrene	0.00053	0.00053	ppm	U
56-55-3	Benzo(a)anthracene	0.00048	0.00048	ppm	U
218-01-9	Chrysene	0.00056	0.00056	ppm	U
205-99-2	Benzo(b)fluoranthene	0.00045	0.00045	ppm	U
207-08-9	Benzo(k)fluoranthene	0.00029	0.00029	ppm	U
50-32-8	Benzo(a)pyrene	0.00036	0.00036	ppm	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.00045	0.00045	ppm	U
53-70-3	Dibenzo(a,h)anthracene	0.00047	0.00047	ppm	U
191-24-2	Benzo(g,h,i)perylene	0.00040	0.00040	ppm	U

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12/28/2000

TCLP Stars Memo Base Neutrals

Sample: K5841-2
Client Sample ID: 00-11784-002
Matrix: Soil
Type: Composite
Collected: 12/13/2000 10:50
% Solid: 89.2%
Remarks:
Analyzed Date: 12/30/1899

Cas No	Analyte	MDL	Concentration	Units	Q
91-20-3	Naphthalene	0.00089	**0.00025**	ppm	J
83-32-9	Acenaphthene	0.00075	**0.00065**	ppm	J
86-73-7	Fluorene	0.00068	**0.00026**	ppm	J
85-01-8	Phenanthrene	0.00059	**0.00077**	ppm	
120-12-7	Anthracene	0.00053	0.00053	ppm	U
206-44-0	Fluoranthene	0.00047	**0.00023**	ppm	J
129-00-0	Pyrene	0.00053	0.00053	ppm	U
56-55-3	Benzo(a)anthracene	0.00048	0.00048	ppm	U
218-01-9	Chrysene	0.00056	0.00056	ppm	U
205-99-2	Benzo(b)fluoranthene	0.00045	0.00045	ppm	U
207-08-9	Benzo(k)fluoranthene	0.00029	0.00029	ppm	U
50-32-8	Benzo(a)pyrene	0.00036	0.00036	ppm	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.00045	0.00045	ppm	U
53-70-3	Dibenzo(a,h)anthracene	0.00047	0.00047	ppm	U
191-24-2	Benzo(g,h,i)perylene	0.00040	0.00040	ppm	U

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12/28/2000

TCLP Stars Memo Base Neutrals

Sample: K5841-3
Client Sample ID: 00-11784-003
Matrix: Soil
Remarks:
Analyzed Date: 12/30/1899

Type: Composite

Collected: 12/13/2000 15:10
% Solid: 86.8%

Cas No	Analyte	MDL	Concentration	Units	Q
91-20-3	Naphthalene	0.00089	0.00089	ppm	U
83-32-9	Acenaphthene	0.00075	0.00075	ppm	U
86-73-7	Fluorene	0.00068	0.00068	ppm	U
85-01-8	Phenanthrene	0.00059	0.00059	ppm	U
120-12-7	Anthracene	0.00053	0.00053	ppm	U
206-44-0	Fluoranthene	0.00047	0.00047	ppm	U
129-00-0	Pyrene	0.00053	0.00053	ppm	U
56-55-3	Benzo(a)anthracene	0.00048	0.00048	ppm	U
218-01-9	Chrysene	0.00056	0.00056	ppm	U
205-99-2	Benzo(b)fluoranthene	0.00045	0.00045	ppm	U
207-08-9	Benzo(k)fluoranthene	0.00029	0.00029	ppm	U
50-32-8	Benzo(a)pyrene	0.00036	0.00036	ppm	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.00045	0.00045	ppm	U
53-70-3	Dibenzo(a,h)anthracene	0.00047	0.00047	ppm	U
191-24-2	Benzo(g,h,i)perylene	0.00040	0.00040	ppm	U

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12/28/2000

TCLP Stars Memo Base Neutrals

Sample: K5841-6
Client Sample ID: 00-11784-006
Matrix: Soil
Remarks:
Analyzed Date: 12/30/1899

Type: Composite

Collected: 12/14/2000 08:10
% Solid: 77.5%

Cas No	Analyte	MDL	Concentration	Units	Q
91-20-3	Naphthalene	0.00089	**0.0016**	ppm	
83-32-9	Acenaphthene	0.00075	**0.0044**	ppm	
86-73-7	Fluorene	0.00068	**0.0018**	ppm	
85-01-8	Phenanthrene	0.00059	**0.0041**	ppm	
120-12-7	Anthracene	0.00053	**0.00047**	ppm	J
206-44-0	Fluoranthene	0.00047	**0.00049**	ppm	
129-00-0	Pyrene	0.00053	**0.00038**	ppm	J
56-55-3	Benzo(a)anthracene	0.00048	0.00048	ppm	U
218-01-9	Chrysene	0.00056	0.00056	ppm	U
205-99-2	Benzo(b)fluoranthene	0.00045	0.00045	ppm	U
207-08-9	Benzo(k)fluoranthene	0.00029	0.00029	ppm	U
50-32-8	Benzo(a)pyrene	0.00036	0.00036	ppm	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.00045	0.00045	ppm	U
53-70-3	Dibenzo(a,h)anthracene	0.00047	0.00047	ppm	U
191-24-2	Benzo(g,h,i)perylene	0.00040	0.00040	ppm	U

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12/28/2000

TCLP Stars Memo Base Neutrals

Sample: K5841-7
Client Sample ID: 00-11784-007
Matrix: Soil
Remarks:
Analyzed Date: 12/30/1899

Type: Composite

Collected: 12/14/2000 09:50
% Solid: 77.7%

Cas No	Analyte	MDL	Concentration	Units	Q
91-20-3	Naphthalene	0.00089	0.00089	ppm	U
83-32-9	Acenaphthene	0.00075	0.00075	ppm	U
86-73-7	Fluorene	0.00068	0.00068	ppm	U
85-01-8	Phenanthrene	0.00059	0.00059	ppm	U
120-12-7	Anthracene	0.00053	0.00053	ppm	U
206-44-0	Fluoranthene	0.00047	0.00047	ppm	U
129-00-0	Pyrene	0.00053	0.00053	ppm	U
56-55-3	Benzo(a)anthracene	0.00048	0.00048	ppm	U
218-01-9	Chrysene	0.00056	0.00056	ppm	U
205-99-2	Benzo(b)fluoranthene	0.00045	0.00045	ppm	U
207-08-9	Benzo(k)fluoranthene	0.00029	0.00029	ppm	U
50-32-8	Benzo(a)pyrene	0.00036	0.00036	ppm	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.00045	0.00045	ppm	U
53-70-3	Dibenzo(a,h)anthracene	0.00047	0.00047	ppm	U
191-24-2	Benzo(g,h,i)perylene	0.00040	0.00040	ppm	U

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12/28/2000

TCLP Stars Memo Base Neutrals

Sample: K5841-8
Client Sample ID: 00-11784-008
Matrix: Soil
Remarks:
Analyzed Date: 12/30/1899

Type: Composite

Collected: 12/14/2000 11:00
% Solid: 77.6%

Cas No	Analyte	MDL	Concentration	Units	Q
91-20-3	Naphthalene	0.00089	0.00089	ppm	U
83-32-9	Acenaphthene	0.00075	0.00075	ppm	U
86-73-7	Fluorene	0.00068	0.00068	ppm	U
85-01-8	Phenanthrene	0.00059	0.00059	ppm	U
120-12-7	Anthracene	0.00053	0.00053	ppm	U
206-44-0	Fluoranthene	0.00047	0.00047	ppm	U
129-00-0	Pyrene	0.00053	0.00053	ppm	U
56-55-3	Benzo(a)anthracene	0.00048	0.00048	ppm	U
218-01-9	Chrysene	0.00056	0.00056	ppm	U
205-99-2	Benzo(b)fluoranthene	0.00045	0.00045	ppm	U
207-08-9	Benzo(k)fluoranthene	0.00029	0.00029	ppm	U
50-32-8	Benzo(a)pyrene	0.00036	0.00036	ppm	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.00045	0.00045	ppm	U
53-70-3	Dibenzo(a,h)anthracene	0.00047	0.00047	ppm	U
191-24-2	Benzo(g,h,i)perylene	0.00040	0.00040	ppm	U

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12/28/2000

TCLP Stars Memo Base Neutrals

Sample: K5841-13
Client Sample ID: 00-11784-013
Matrix: Soil
Remarks:
Analyzed Date: 12/30/1899

Type: Composite

Collected: 12/14/2000 16:00
% Solid: 87.5%

Cas No	Analyte	MDL	Concentration	Units	Q
91-20-3	Naphthalene	0.00089	**0.085**	ppm	
83-32-9	Acenaphthene	0.00075	**0.018**	ppm	
86-73-7	Fluorene	0.00068	**0.028**	ppm	
85-01-8	Phenanthrene	0.00059	**0.043**	ppm	
120-12-7	Anthracene	0.00053	**0.0079**	ppm	
206-44-0	Fluoranthene	0.00047	**0.0076**	ppm	
129-00-0	Pyrene	0.00053	**0.0045**	ppm	
56-55-3	Benzo(a)anthracene	0.00048	**0.00027**	ppm	J
218-01-9	Chrysene	0.00056	**0.00022**	ppm	J
205-99-2	Benzo(b)fluoranthene	0.00045	0.00045	ppm	U
207-08-9	Benzo(k)fluoranthene	0.00029	0.00029	ppm	U
50-32-8	Benzo(a)pyrene	0.00036	0.00036	ppm	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.00045	0.00045	ppm	U
53-70-3	Dibenzo(a,h)anthracene	0.00047	0.00047	ppm	U
191-24-2	Benzo(g,h,i)perylene	0.00040	0.00040	ppm	U

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12/28/2000

Lead

Sample: K5841-1
Client Sample ID: 00-11784-001
Matrix: Soil
Remarks:
Analyzed Date: 12/27/2000
Type: Composite
Collected: 12/13/2000 10:15
% Solid: 85.6%

Cas No	Analyte	MDL	Concentration	Units	Q
7439-92-1	Lead	0.15	26.8	ppm	

Sample: K5841-2
Client Sample ID: 00-11784-002
Matrix: Soil
Remarks:
Analyzed Date: 12/27/2000
Type: Composite
Collected: 12/13/2000 10:50
% Solid: 89.2%

Cas No	Analyte	MDL	Concentration	Units	Q
7439-92-1	Lead	0.15	20.7	ppm	

Sample: K5841-3
Client Sample ID: 00-11784-003
Matrix: Soil
Remarks:
Analyzed Date: 12/27/2000
Type: Composite
Collected: 12/13/2000 15:10
% Solid: 86.8%

Cas No	Analyte	MDL	Concentration	Units	Q
7439-92-1	Lead	0.15	31.2	ppm	

Sample: K5841-6
Client Sample ID: 00-11784-006
Matrix: Soil
Remarks:
Analyzed Date: 12/27/2000
Type: Composite
Collected: 12/14/2000 08:10
% Solid: 77.5%

Cas No	Analyte	MDL	Concentration	Units	Q
7439-92-1	Lead	0.17	564	ppm	

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12/28/2000

Lead

Sample: K5841-7
Client Sample ID: 00-11784-007
Matrix: Soil
Remarks:
Analyzed Date: 12/27/2000
Type: Composite
Collected: 12/14/2000 09:50
% Solid: 77.7%

Cas No	Analyte	MDL	Concentration	Units	Q
7439-92-1	Lead	0.17	367	ppm	

Sample: K5841-8
Client Sample ID: 00-11784-008
Matrix: Soil
Remarks:
Analyzed Date: 12/27/2000
Type: Composite
Collected: 12/14/2000 11:00
% Solid: 77.6%

Cas No	Analyte	MDL	Concentration	Units	Q
7439-92-1	Lead	0.17	457	ppm	

Sample: K5841-9
Client Sample ID: 00-11784-009
Matrix: Soil
Remarks:
Analyzed Date: 12/27/2000
Type: Composite
Collected: 12/14/2000 12:10
% Solid: 88.5%

Cas No	Analyte	MDL	Concentration	Units	Q
7439-92-1	Lead	0.15	8.26	ppm	

Sample: K5841-10
Client Sample ID: 00-11784-010
Matrix: Soil
Remarks:
Analyzed Date: 12/27/2000
Type: Composite
Collected: 12/14/2000 13:30
% Solid: 82.2%

Cas No	Analyte	MDL	Concentration	Units	Q
7439-92-1	Lead	0.16	54.9	ppm	

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12/28/2000

Lead

Sample: K5841-11
Client Sample ID: 00-11784-011
Matrix: Soil
Remarks:
Analyzed Date: 12/27/2000
Type: Composite
Collected: 12/14/2000 14:00
% Solid: 91.8%

Cas No	Analyte	MDL	Concentration	Units	Q
7439-92-1	Lead	0.14	76.2	ppm	

Sample: K5841-12
Client Sample ID: 00-11784-012
Matrix: Soil
Remarks:
Analyzed Date: 12/27/2000
Type: Composite
Collected: 12/14/2000 15:00
% Solid: 88.2%

Cas No	Analyte	MDL	Concentration	Units	Q
7439-92-1	Lead	0.15	79.8	ppm	

Sample: K5841-13
Client Sample ID: 00-11784-013
Matrix: Soil
Remarks:
Analyzed Date: 12/27/2000
Type: Composite
Collected: 12/14/2000 16:00
% Solid: 87.5%

Cas No	Analyte	MDL	Concentration	Units	Q
7439-92-1	Lead	0.15	2790	ppm	

Sample: K5841-14
Client Sample ID: 00-11784-014
Matrix: Soil
Remarks:
Analyzed Date: 12/27/2000
Type: Composite
Collected: 12/15/2000 10:20
% Solid: 88.3%

Cas No	Analyte	MDL	Concentration	Units	Q
7439-92-1	Lead	0.15	63.1	ppm	

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12/28/2000

Lead

Sample: K5841-15

Client Sample ID: 00-11784-015

Matrix: Soil

Remarks:

Analyzed Date: 12/27/2000

Type: Composite

Collected: 12/15/2000 11:00

% Solid: 86.6%

Cas No	Analyte	MDL	Concentration	Units	Q
7439-92-1	Lead	0.15	124	ppm	

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12/28/2000

MTBE By 602/8021B

Sample: K5841-1
Client Sample ID: 00-11784-001
Matrix: Soil
Remarks:
Analyzed Date: 12/20/2000

Type: Composite

Collected: 12/13/2000 10:15
% Solid: 85.6%

Cas No	Analyte	MDL	Concentration	Units	Q
1634-04-4	MTBE	1.24	4.26	ppb	

Sample: K5841-2
Client Sample ID: 00-11784-002
Matrix: Soil
Remarks:
Analyzed Date: 12/20/2000

Type: Composite

Collected: 12/13/2000 10:50
% Solid: 89.2%

Cas No	Analyte	MDL	Concentration	Units	Q
1634-04-4	MTBE	1.19	8.52	ppb	

Sample: K5841-3
Client Sample ID: 00-11784-003
Matrix: Soil
Remarks:
Analyzed Date: 12/20/2000

Type: Composite

Collected: 12/13/2000 15:10
% Solid: 86.8%

Cas No	Analyte	MDL	Concentration	Units	Q
1634-04-4	MTBE	0.71	0.71	ppb	U

Sample: K5841-6
Client Sample ID: 00-11784-006
Matrix: Soil
Remarks:
Analyzed Date: 12/20/2000

Type: Composite

Collected: 12/14/2000 08:10
% Solid: 77.5%

Cas No	Analyte	MDL	Concentration	Units	Q
1634-04-4	MTBE	2.00	2.00	ppb	U

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12/28/2000

MTBE By 602/8021B

Sample: K5841-7
Client Sample ID: 00-11784-007
Matrix: Soil
Remarks:
Analyzed Date: 12/20/2000
Type: Composite
Collected: 12/14/2000 09:50
% Solid: 77.7%

Cas No	Analyte	MDL	Concentration	Units	Q
1634-04-4	MTBE	0.80	18.4	ppb	

Sample: K5841-8
Client Sample ID: 00-11784-008
Matrix: Soil
Remarks:
Analyzed Date: 12/20/2000
Type: Composite
Collected: 12/14/2000 11:00
% Solid: 77.6%

Cas No	Analyte	MDL	Concentration	Units	Q
1634-04-4	MTBE	0.80	15.5	ppb	

Sample: K5841-9
Client Sample ID: 00-11784-009
Matrix: Soil
Remarks:
Analyzed Date: 12/20/2000
Type: Composite
Collected: 12/14/2000 12:10
% Solid: 88.5%

Cas No	Analyte	MDL	Concentration	Units	Q
1634-04-4	MTBE	1.75	26.4	ppb	

Sample: K5841-10
Client Sample ID: 00-11784-010
Matrix: Soil
Remarks:
Analyzed Date: 12/20/2000
Type: Composite
Collected: 12/14/2000 13:30
% Solid: 82.2%

Cas No	Analyte	MDL	Concentration	Units	Q
1634-04-4	MTBE	0.75	13.4	ppb	

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12/28/2000

MTBE By 602/8021B

Sample: K5841-11
Client Sample ID: 00-11784-011
Matrix: Soil
Remarks:
Analyzed Date: 12/20/2000
Type: Composite
Collected: 12/14/2000 14:00
% Solid: 91.8%

Cas No	Analyte	MDL	Concentration	Units	Q
1634-04-4	MTBE	2.89	39.6	ppb	

Sample: K5841-12
Client Sample ID: 00-11784-012
Matrix: Soil
Remarks:
Analyzed Date: 12/20/2000
Type: Composite
Collected: 12/14/2000 15:00
% Solid: 88.2%

Cas No	Analyte	MDL	Concentration	Units	Q
1634-04-4	MTBE	3.00	12.7	ppb	

Sample: K5841-13
Client Sample ID: 00-11784-013
Matrix: Soil
Remarks:
Analyzed Date: 12/20/2000
Type: Composite
Collected: 12/14/2000 16:00
% Solid: 87.5%

Cas No	Analyte	MDL	Concentration	Units	Q
1634-04-4	MTBE	1.21	3.97	ppb	

Sample: K5841-14
Client Sample ID: 00-11784-014
Matrix: Soil
Remarks:
Analyzed Date: 12/20/2000
Type: Composite
Collected: 12/15/2000 10:20
% Solid: 88.3%

Cas No	Analyte	MDL	Concentration	Units	Q
1634-04-4	MTBE	3.00	124	ppb	

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12/28/2000

MTBE By 602/8021B

Sample: K5841-15
Client Sample ID: 00-11784-015
Matrix: Soil
Remarks:
Analyzed Date: 12/20/2000

Type: Composite

Collected: 12/15/2000 11:00
% Solid: 86.6%

Cas No	Analyte	MDL	Concentration	Units	Q
1634-04-4	MTBE	1.22	4.28	ppb	

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12/28/2000

Case Narrative

8021 STARS/MTBE

The following compounds were calibrated at 25, 50, 100, 150 and 200 ppb levels in the initial calibration curve:

Acetone
2-Butanone
4-Methyl-2-pentanone
2-Hexanone

M&P-Xylenes were calibrated at 10, 40, 100, 200 and 300 ppb levels.

All other compounds were calibrated at 5, 20, 50, 100 and 150 ppb levels.

Samples were quantitated using the continuing calibration standard response factor as opposed to the initial calibration average response factor.

Reviewed by: _____

Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

12/28/2000

Custody Document: K5842

Received: 12/18/2000 15:56
Sampled by: N/A

Client: Con Edison-Accounts Payable (18200)

PO Box 799, Cooper Station
New York,
NY 10276

Project: Con Ed

31-01 20th Ave.
Long Island City,
NY 11105

Manager: J. Celestine

Respectfully submitted,

Laboratory Director

Post-it® Fax Note 7671	Date 12/28	# of pages ▶ 12
To RICHIE	From	
Co./Dept.	Co.	
Phone #	Phone #	
Fax #	Fax #	

NYS Lab ID # 10969
NJ Cert. # 73812
CT Cert. # PH0645
MA Cert. # NY061
PA Cert. # 68-535
VA Cert. # 108
NH Cert. # 252592-BA
RI Cert. # 161

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12/28/2000

EPA 8021B Stars Memo Cmpds

Sample: K5842-3
Client Sample ID: 00-11784-018
Matrix: Liquid
Remarks: See Case Narrative
Analyzed Date: 12/19/2000

Type: Composite

Collected: 12/15/2000

Cas No	Analyte	MDL	Concentration	Units	Q
1634-04-4	MTBE	0.23	0.23	ppb	U
71-43-2	Benzene	0.14	0.14	ppb	U
108-88-3	Toluene	0.16	0.16	ppb	U
100-41-4	Ethylbenzene	0.21	0.21	ppb	U
108-38-3	m,p-xylene	0.45	0.45	ppb	U
95-47-6	o-xylene	0.27	0.27	ppb	U
1330-20-7	Xylenes(Total)	0.72	0.72	ppb	U
98-82-8	Isopropylbenzene	0.21	0.21	ppb	U
103-65-1	n-Propylbenzene	0.28	0.28	ppb	U
108-67-8	1,3,5-Trimethylbenzene	0.30	0.30	ppb	U
98-06-6	tert-Butylbenzene	0.29	0.29	ppb	U
95-63-6	1,2,4-Trimethylbenzene	0.25	0.25	ppb	U
135-98-8	sec-Butylbenzene	0.25	0.25	ppb	U
99-87-6	p-Isopropyltoluene	0.31	0.31	ppb	U
104-51-8	n-Butylbenzene	0.27	0.27	ppb	U
91-20-3	Naphthalene	0.18	0.18	ppb	U

Environmental Testing Laboratories, Inc.

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12/28/2000

EPA 8021B Stars Memo Cmpds

Sample: K5842-4
Client Sample ID: 00-11784-019
Matrix: Liquid
Remarks: See Case Narrative
Analyzed Date: 12/19/2000

Type: Composite

Collected: 12/14/2000 12:50

Cas No	Analyte	MDL	Concentration	Units	Q
1634-04-4	MTBE	0.23	0.23	ppb	U
71-43-2	Benzene	0.14	0.14	ppb	U
108-88-3	Toluene	0.16	0.16	ppb	U
100-41-4	Ethylbenzene	0.21	0.21	ppb	U
108-38-3	m,p-xylene	0.45	0.45	ppb	U
95-47-6	o-xylene	0.27	0.27	ppb	U
1330-20-7	Xylenes(Total)	0.72	0.72	ppb	U
98-82-8	Isopropylbenzene	0.21	0.21	ppb	U
103-65-1	n-Propylbenzene	0.28	0.28	ppb	U
108-67-8	1,3,5-Trimethylbenzene	0.30	0.30	ppb	U
98-06-6	tert-Butylbenzene	0.29	0.29	ppb	U
95-63-6	1,2,4-Trimethylbenzene	0.25	0.25	ppb	U
135-98-8	sec-Butylbenzene	0.25	0.25	ppb	U
99-87-6	p-Isopropyltoluene	0.31	0.31	ppb	U
104-51-8	n-Butylbenzene	0.27	0.27	ppb	U
91-20-3	Naphthalene	0.18	0.18	ppb	U

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Phone - 631-249-1456 Fax - 631-249-8344

12/28/2000

TCLP 8021 Stars Memo List

Sample: K5842-1
Client Sample ID: 00-11784-016
Matrix: Soil
Remarks: See Case Narrative
Analyzed Date: 12/20/2000

Type: Composite

Collected: 12/15/2000 12:00
% Solid: 83.7%

Cas No	Analyte	MDL	Concentration	Units	Q
1634-04-4	MTBE	0.00025	**0.0032**	ppm	
71-43-2	Benzene	0.00014	0.00014	ppm	U
108-88-3	Toluene	0.00016	0.00016	ppm	U
100-41-4	Ethylbenzene	0.00017	0.00017	ppm	U
108-38-3	m,p-xylene	0.00017	**0.0018**	ppm	
95-47-6	o-xylene	0.000080	0.000080	ppm	U
1330-20-7	Xylenes(Total)	0.00089	**0.0018**	ppm	
98-82-8	Isopropylbenzene	0.00010	0.00010	ppm	U
103-65-1	n-Propylbenzene	0.00014	0.00014	ppm	U
108-67-8	1,3,5-Trimethylbenzene	0.00012	0.00012	ppm	U
95-63-6	1,2,4-Trimethylbenzene	0.00013	**0.0017**	ppm	
135-98-8	sec-Butylbenzene	0.000040	0.000040	ppm	U
99-87-6	p-Isopropyltoluene	0.00010	0.00010	ppm	U
104-51-8	n-Butylbenzene	0.00014	0.00014	ppm	U
91-20-3	Naphthalene	0.00027	**0.027**	ppm	
98-06-6	tert-Butylbenzene	0.00013	0.00013	ppm	U

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12/28/2000

TCLP 8021 Stars Memo List

Sample: K5842-2
Client Sample ID: 00-11784-017
Matrix: Soil
Remarks: See Case Narrative
Analyzed Date: 12/20/2000

Type: Composite

Collected: 12/15/2000 13:30
% Solid: 90.1%

Cas No	Analyte	MDL	Concentration	Units	Q
1634-04-4	MTBE	0.00025	0.00025	ppm	U
71-43-2	Benzene	0.00014	0.00014	ppm	U
108-88-3	Toluene	0.00016	0.00016	ppm	U
100-41-4	Ethylbenzene	0.00017	0.00017	ppm	U
108-38-3	m,p-xylene	0.00017	0.00017	ppm	U
95-47-6	o-xylene	0.000080	0.000080	ppm	U
1330-20-7	Xylenes(Total)	0.00089	0.00089	ppm	U
98-82-8	Isopropylbenzene	0.00010	0.00010	ppm	U
103-65-1	n-Propylbenzene	0.00014	0.00014	ppm	U
108-67-8	1,3,5-Trimethylbenzene	0.00012	0.00012	ppm	U
95-63-6	1,2,4-Trimethylbenzene	0.00013	0.00013	ppm	U
135-98-8	sec-Butylbenzene	0.000040	0.000040	ppm	U
99-87-6	p-Isopropyltoluene	0.00010	0.00010	ppm	U
104-51-8	n-Butylbenzene	0.00014	0.00014	ppm	U
91-20-3	Naphthalene	0.00027	0.0012	ppm	
98-06-6	tert-Butylbenzene	0.00013	0.00013	ppm	U

Environmental Testing Laboratories, Inc.

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12/28/2000

TCLP 8021 Stars Memo List

Sample: K5842-5
Client Sample ID: 00-11784-020
Matrix: Soil
Remarks: See Case Narrative
Analyzed Date: 12/20/2000

Type: Composite

Collected: 12/14/2000 12:09
% Solid: 85.2%

Cas No	Analyte	MDL	Concentration	Units	Q
1634-04-4	MTBE	0.00025	**0.017**	ppm	
71-43-2	Benzene	0.00014	**0.078**	ppm	
108-88-3	Toluene	0.0032	**0.20**	ppm	
100-41-4	Ethylbenzene	0.0034	**0.39**	ppm	
108-38-3	m,p-xylene	0.0034	**0.97**	ppm	
95-47-6	o-xylene	0.0016	**0.73**	ppm	
1330-20-7	Xylenes(Total)	0.018	**1.70**	ppm	
98-82-8	Isopropylbenzene	0.00010	**0.063**	ppm	
103-65-1	n-Propylbenzene	0.00014	**0.10**	ppm	
108-67-8	1,3,5-Trimethylbenzene	0.0024	**0.23**	ppm	
95-63-6	1,2,4-Trimethylbenzene	0.0026	**0.79**	ppm	
135-98-8	sec-Butylbenzene	0.000040	0.000040	ppm	U
99-87-6	p-Isopropyltoluene	0.00010	**0.015**	ppm	
104-51-8	n-Butylbenzene	0.00014	**0.030**	ppm	
91-20-3	Naphthalene	0.0054	**1.50**	ppm	
98-06-6	tert-Butylbenzene	0.00013	0.00013	ppm	U

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12/28/2000

TCLP 8021 Stars Memo List

Sample: K5842-6
Client Sample ID: 00-11784-021
Matrix: Soil
Remarks: See Case Narrative
Analyzed Date: 12/21/2000

Type: Composite

Collected: 12/15/2000 02:00
% Solid: 85.9%

Cas No	Analyte	MDL	Concentration	Units	Q
1634-04-4	MTBE	0.00050	0.0016	ppm	
71-43-2	Benzene	0.00028	0.00028	ppm	U
108-88-3	Toluene	0.00032	0.00032	ppm	U
100-41-4	Ethylbenzene	0.00034	0.00034	ppm	U
108-38-3	m,p-xylene	0.00034	0.00034	ppm	U
95-47-6	o-xylene	0.00016	0.00016	ppm	U
1330-20-7	Xylenes(Total)	0.0018	0.0018	ppm	U
98-82-8	Isopropylbenzene	0.00020	0.00020	ppm	U
103-65-1	n-Propylbenzene	0.00028	0.00028	ppm	U
108-67-8	1,3,5-Trimethylbenzene	0.00024	0.00024	ppm	U
95-63-6	1,2,4-Trimethylbenzene	0.00026	0.00026	ppm	U
135-98-8	sec-Butylbenzene	0.000080	0.000080	ppm	U
99-87-6	p-Isopropyltoluene	0.00020	0.00020	ppm	U
104-51-8	n-Butylbenzene	0.00028	0.00028	ppm	U
91-20-3	Naphthalene	0.00054	0.00054	ppm	U
98-06-6	tert-Butylbenzene	0.00026	0.00026	ppm	U

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12/28/2000

TCLP Stars Memo Base Neutrals

Sample: K5842-5
Client Sample ID: 00-11784-020
Matrix: Soil
Remarks:
Analyzed Date: 12/30/1899

Type: Composite

Collected: 12/14/2000 12:09
% Solid: 85.2%

Cas No	Analyte	MDL	Concentration	Units	Q
91-20-3	Naphthalene	0.0089	**0.67**	ppm	
83-32-9	Acenaphthene	0.00075	**0.014**	ppm	
86-73-7	Fluorene	0.00068	**0.0017**	ppm	
85-01-8	Phenanthrene	0.00059	**0.0010**	ppm	
120-12-7	Anthracene	0.00053	0.00053	ppm	U
206-44-0	Fluoranthene	0.00047	0.00047	ppm	U
129-00-0	Pyrene	0.00053	0.00053	ppm	U
56-55-3	Benzo(a)anthracene	0.00048	0.00048	ppm	U
218-01-9	Chrysene	0.00056	0.00056	ppm	U
205-99-2	Benzo(b)fluoranthene	0.00045	0.00045	ppm	U
207-08-9	Benzo(k)fluoranthene	0.00029	0.00029	ppm	U
50-32-8	Benzo(a)pyrene	0.00036	0.00036	ppm	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.00045	0.00045	ppm	U
53-70-3	Dibenzo(a,h)anthracene	0.00047	0.00047	ppm	U
191-24-2	Benzo(g,h,i)perylene	0.00040	0.00040	ppm	U

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12/28/2000

Lead

Sample: K5842-1
Client Sample ID: 00-11784-016
Matrix: Soil
Remarks:
Analyzed Date: 12/27/2000
Type: Composite
Collected: 12/15/2000 12:00
% Solid: 83.7%

Cas No	Analyte	MDL	Concentration	Units	Q
7439-92-1	Lead	0.15	36.5	ppm	

Sample: K5842-2
Client Sample ID: 00-11784-017
Matrix: Soil
Remarks:
Analyzed Date: 12/27/2000
Type: Composite
Collected: 12/15/2000 13:30
% Solid: 90.1%

Cas No	Analyte	MDL	Concentration	Units	Q
7439-92-1	Lead	0.14	11.4	ppm	

Sample: K5842-5
Client Sample ID: 00-11784-020
Matrix: Soil
Remarks:
Analyzed Date: 12/27/2000
Type: Composite
Collected: 12/14/2000 12:09
% Solid: 85.2%

Cas No	Analyte	MDL	Concentration	Units	Q
7439-92-1	Lead	0.15	135	ppm	

Sample: K5842-6
Client Sample ID: 00-11784-021
Matrix: Soil
Remarks:
Analyzed Date: 12/27/2000
Type: Composite
Collected: 12/15/2000 02:00
% Solid: 85.9%

Cas No	Analyte	MDL	Concentration	Units	Q
7439-92-1	Lead	0.15	82.9	ppm	

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208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

12/28/2000

MTBE By 602/8021B

Sample: K5842-1
Client Sample ID: 00-11784-016
Matrix: Soil
Remarks:
Analyzed Date: 12/20/2000
Type: Composite
Collected: 12/15/2000 12:00
% Solid: 83.7%

Cas No	Analyte	MDL	Concentration	Units	Q
1634-04-4	MTBE	3.17	14.8	ppb	

Sample: K5842-2
Client Sample ID: 00-11784-017
Matrix: Soil
Remarks:
Analyzed Date: 12/20/2000
Type: Composite
Collected: 12/15/2000 13:30
% Solid: 90.1%

Cas No	Analyte	MDL	Concentration	Units	Q
1634-04-4	MTBE	1.18	3.14	ppb	

Sample: K5842-5
Client Sample ID: 00-11784-020
Matrix: Soil
Remarks:
Analyzed Date: 12/19/2000
Type: Composite
Collected: 12/14/2000 12:09
% Solid: 85.2%

Cas No	Analyte	MDL	Concentration	Units	Q
1634-04-4	MTBE	24.9	24.9	ppb	U

Sample: K5842-6
Client Sample ID: 00-11784-021
Matrix: Soil
Remarks:
Analyzed Date: 12/20/2000
Type: Composite
Collected: 12/15/2000 02:00
% Solid: 85.9%

Cas No	Analyte	MDL	Concentration	Units	Q
1634-04-4	MTBE	1.23	3.87	ppb	

Environmental Testing Laboratories, Inc.
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Phone - 631-249-1456 Fax - 631-249-8344

12/28/2000

Case Narrative

The following compounds were calibrated at 25, 50, 100, 150 and 200 ppb levels in the initial calibration curve:

Acetone
2-Butanone
4-Methyl-2-pentanone
2-Hexanone

M&P-Xylenes were calibrated at 10, 40, 100, 200 and 300 ppb levels.

All other compounds were calibrated at 5, 20, 50, 100 and 150 ppb levels.

Samples were quantitated using the continuing calibration standard response factor as opposed to the initial calibration average response factor.

Reviewed by: _____

Environmental Testing Laboratories, Inc.
208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

12/28/2000

ORGANIC METHOD QUALIFIERS

Q - Qualifier - specified entries and their meanings are as follows:

U - The analytical result is a non-detect.

J - Indicates an estimated value. The concentration reported was detected below the Method Detection Limit.

B - The analyte was found in the associated method blank as well as the sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action.

E - The concentration of the analyte exceeded the calibration range of the instrument.

D - This flag identifies all compounds identified in an analysis at a secondary dilution.

INORGANIC METHOD QUALIFIERS

C - (Concentration) qualifiers are as follows:

B - Entered if the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Instrument Detection Limit (IDL).

U - Entered when the analyte was analyzed for, but not detected.

J - Indicates an estimated value. The concentration reported was detected below the Method Detection Limit.

Q - Qualifier specific entries and their meanings are as follows:

E - Reported value is estimated because of the presence of interferences.

M - (Method) qualifiers are as follows:

A - Flame AA

AS - Semi-automated Spectrophotometric

AV - Automated Cold Vapor AA

C - Manual Spectrophotometric

F - Furnace AA

NR - when the analyte is not required to be analyzed.

P - ICP

T - Titrimetric

ConEd ChemLab

Chain-of-Custody/Request for Analysis

Consolidated Edison (Bldg. 138)
31-01 20th Avenue, L.I.C., NY 11105

Tel: (718) 204 4124
Fax: (718) 956-8058

(1)
LSN: *(Lab Use Only)* 00-11784
e² MIS Incident #: _____
Chain-of-Custody ID #: AA15359
Sample Site: 3rd Ave Yard
Borough: MH ☐, BK ☒, QN ☐, BX ☐, WE ☐, SI ☐
Requested By: Angie Chang
Employee #: 84217
Telephone #: (_____) _____
Account #: 32239
E-mail Notification: CHANGA@coned.com
Organization: *(*Check Box Below)*
Dept. 24-hour Tel. #: (_____) _____
Sampled By: IWC
Employee #: _____
Asbestos License #: _____
Customer's ID #: _____

(2) Priority: E (within 8 hours) A (within 24 hours) B (within 7 days)
An 'E' or 'A' priority requires an e² MIS Incident # or an operational necessity justification:

Preservation Information:
Temp Blank: Yes _____ No _____
Preserved with _____
Comments: _____

Pg 1 of 3

SAMPLE INFO
TYPE: G-Grab; C-Composite; B-Blank; D-Duplicate; S-Split; SP-Spike
MATRIX: BL-Bluestone; L-Liquid; S-Solid; O-Oil; W-Water; WO-Water & Oil; SO-Soil; SL-Sludge; WI-Wipe; A-Air; GC-Gas Cond

(5) Analysis (Test) required — include method number if applicable

Collected Date	Collected Time	(3) Sample Location / Description	VLT/MH/POLE # EQUIP. SERIAL #	Sample Matrix	(4) Sample Type	Total # of samples	Total # of containers	OIL ID	PCB	TCLP VOC STARS	TCLP SVOC STARS	TCLP METALS	TCLP BENZENE	TCLP FULL MINUS PEST & HERB	BTEX	OIL & GREASE	TSS	GAS-IN-OIL	TOTAL BENZENE	ASBESTOS	DIELECTRIC	TOTAL HALOGENS	TPH	IGNITABILITY	REACTIVITY	TOTAL LEAD & STACK VOL	If SPDES sample, check box	e²MIS Sample ID # (Not Incident #)
12/18	1015	B-1-N 9'-10'		SO	C	1	2			X	X														X	X		-001
	1050	B-3-N 9-10		SO	C	1	2			X	X														X	X		-002
	1510	B-5-N 8-10		SO	C	1	2			X	X														X	X		-003
	1120	TRIP Blank		~~SO~~		1	1				X														X	X		-004
	1120	Equipment Blank		SL		1	1				X														X	X		-005
		Stella said Logan 1 LSN only in batch																										

Comments / Special Instructions / Additional E Mail Notifications:
ANALYZE PER STARS MEMO #1 1 of 3

Central Services	Electric Operations	Central Operations	Nuclear Operations	
☐ Environment, Health & Safety	☐ Customer Services	☐ Bronx & Westchester	☐ System & Transmission Operations	☐ Nuclear Power	☐ Gas Ops
☐ Transportation & Stores	☐ Distribution Engineering	☐ Staten Island	☐ Maintenance Services	☐ Nuclear Engineering	☐ Law
☐ Research & Development	☐ Manhattan	☐ Brooklyn & Queens	☐ Energy Management	☐ Public Affairs	☐ Auditing
☐ Facilities & Office Services	☐ Customer Operations		☐ Substation Operations		
			☐ Steam Operations		

(6)

Relinquished by (Sampler) (Signature)	Date / Time	Received by (Signature):	Date / Time	Relinquished by (Signature):	Date / Time	Received by (Signature):	Date / Time
	12/15 1530		12/16 1610		12/18 0843		
Relinquished by (Signature):	Date / Time	Received by (Signature):	Date / Time	Relinquished by (Signature):	Date / Time	Received by (Signature):	Date / Time
Relinquished by (Signature):	Date / Time	Received by (Signature):	Date / Time	Relinquished by (Signature):	Date / Time	Received by (Signature):	Date / Time

LABORATORY COPY

EH&S ChemLab

Chain-of-Custody/Request for Analysis

Consolidated Edison (Bldg. 138)
31-01 20th Avenue, L.I.C., NY 11105
Tel: (718) 204-4124
Fax: (718) 956-8058

LSN: *(Lab Use Only)* 00-11784 — e² MIS Incident #: _____ — Chain-of-Custody ID #: AA29597

Sample Site: 3rd Ave Yard — Borough: MH ☐, BK ☒, QN ☐, BX ☐, WE ☐, SI ☐

Requested By: Angie Chang — Employee #: 84217 — Telephone #: (_____) _____ — Account #: 32239

E-mail Notification: ChangA@coned.com — Organization: *(*Check Box Below)* — Dept. 24-hour Tel. #: (_____) _____

Sampled By: JWC — Employee #: _____ — Asbestos License #: _____ — Customer's ID #: _____

Priority: E (within 8 hours) A (within 24 hours) (B) (within 7 days)

An 'E' or 'A' priority requires an e² MIS Incident # or an operational necessity justification: _____

Preservation Information:
Temp Blank: Yes ____ No ____ °C ____
Preserved with _____
Comments: Pg 2 of 3

SAMPLE INFO
TYPE: G-Grab; C-Composite; B-Blank; D-Duplicate; S-Split; SP-Spike
MATRIX: BL-Bluestone; L-Liquid; S-Solid; O-Oil; W-Water; WO-Water & Oil; SO-Soil; SL-Sludge; WI-Wipe; A-Air; GC-Gas Cond

(5) Analysis (Test) required — include method number if applicable

Collected Date	Collected Time	(3) Sample Location / Description	VLT/MH/POLE # EQUIP. SERIAL #	(4) Sample Matrix	(4) Sample Type	Total # of samples	Total # of containers	OIL ID	PCB	TCLP VOC (Per STARS memo)	TCLP SVOC (Per STARS memo)	TCLP METALS	TCLP BENZENE	TCLP FULL MINUS PEST & HERB	BTEX	OIL & GREASE	TSS	GAS-IN-OIL	TOTAL BENZENE	ASBESTOS	DIELECTRIC	TOTAL HALOGENS	TPH	IGNITABILITY (FLASH POINT)	REACTIVITY	TOTAL LEAD	MTBE LEAD	SPDES sample, check box	e² MIS Sample ID # (Not Incident #)
12/14	0810	B-2-N 11'-12'		SO	C	1	2			X	X														X	X			-006
	0950	B-6-N 9'-10'		SO	C	1	2			X	X														X	X			-007
	1100	B-7-N 11'-12'		SO	C	1	2			X	X														X	X			-008
	1240	B-19-S 10'-11'		SO	C	1	2			X															X	X			-009
	1330	B-18-S 11'-12'		SO	C	1	2			X															X	X			-010
	1400	B-11-S 8'-9'		SO	C	1	2			X															X	X			-011
	1500	B-12-S 10'-11'		SO	C	1	2			X															X	X			-012
↓	1600	B-13-S 8'-9'		SO	C	1	2			X															X	X			-013

(B) Send Hold for VOC

Comments / Special Instructions / Additional E-Mail Notifications:
Analyze per NYS STARS Memo #1 2 of 3

Central Services
☐ Environment, Health & Safety
☐ Transportation & Stores
☐ Research & Development
☐ Facilities & Office Services

Electric Operations
☐ Customer Services
☐ Distribution Engineering
☐ Manhattan
☐ Bronx & Westchester
☐ Staten Island
☐ Brooklyn & Queens

☐ Customer Operations

Central Operations
☐ System & Transmission Operations
☐ Maintenance Services
☐ Energy Management
☐ Substation Operations
☐ Steam Operations

Nuclear Operations
☐ Nuclear Power
☐ Nuclear Engineering

☐ Public Affairs

☐ Gas Ops
☐ Law
☐ Auditing

(6)

Relinquished by (Sample): (Signature)	Date / Time	Received by (Signature):	Date / Time	Relinquished by (Signature):	Date / Time	Received by (Signature):	Date / Time
[signature]	12/15 1530	[signature]	12/15 1610	[signature]	12/18 0843		
Relinquished by (Signature):	Date / Time	Received by (Signature):	Date / Time	Relinquished by (Signature):	Date / Time	Received by (Signature):	Date / Time
Relinquished by (Signature):	Date / Time	Received by (Signature):	Date / Time	Relinquished by (Signature):	Date / Time	Received by (Signature):	Date / Time

LABORATORY COPY

EH&S ChemLab
Chain-of-Custody/Request for Analysis

Consolidated Edison (Bldg. 138)
31-01 20th Avenue, L.I.C., NY 11105

Tel: (718) 204-4124
Fax: (718) 956-8058

LABORATORY COPY

1) LSN: *(Lab Use Only)* 00-11784 e²MIS Incident #: ______ Chain-of-Custody ID #: AA29598

Sample Site: 3rd Ave Yard Borough: MH ☐, BK ☒, QN ☐, BX ☐, WE ☐, SI ☐

Requested By: Angie Chang Employee #: 84217 Telephone #: (____)____ Account #: 32239

E-mail Notification: ChangA @ coned .com Organization: *(*Check Box Below)* Dept. 24-hour Tel. #: (____)____

Sampled By: JWC Employee #: ______ Asbestos License #: ______ Customer's ID #: ______

2) Priority: E (within 8 hours) A (within 24 hours) ☒ B (within 7 days)

An 'E' or 'A' priority requires an e²MIS Incident # or an operational necessity justification:

Preservation Information:
Temp Blank: Yes ____ No ____ °C ____
Preserved with ____
Comments: Pg 3 of 3

SAMPLE INFO — TYPE: G-Grab; C-Composite; B-Blank; D-Duplicate; S-Split; SP-Spike
MATRIX: BL-Bluestone; L-Liquid; S-Solid; O-Oil; W-Water; WO-Water & Oil; SO-Soil; SL-Sludge; WI-Wipe; A-Air; GC-Gas Cond

(5) Analysis (Test) required — Include method number if applicable: Total # of samples; Total # of containers; Oil ID; PCB; TCLP VOC (Per STARS); TCLP SVOC (Per STARS); TCLP Metals; TCLP Benzene; TCLP Full Minus Pest & Herb; BTEX; Oil & Grease; TSS; Gas-in-Oil; Total Benzene; Asbestos; Dielectric; Total Halogens; TPH; Ignitability; Reactivity (Flash Point); Total Lead; MTBE; If SPDES sample, check box; e²MIS Sample ID # (Not Incident #)

Collected Date (3)	Time	Sample Location / Description	VLT/MH/POLE # EQUIP. SERIAL #	Sample Matrix (4)	Sample Type	Total # of samples	Total # of containers	PCB / TCLP VOC / SVOC	Lab #	Total Lead	MTBE
12/15	1020	B-14-S 8-9				1	2	✓	-014	Y	Y
↓	1100	B-15-S 8-9				1	2	Y	-015	Y	Y
	1200	B-17-S 8-9				1	2	Y	-016	Y	Y
	1330	B-20-S 8-9				1	2	Y	-017	Y	Y
↓		Equipment Blank				1	1	~~X~~	-018	~~Y~~	~~Y~~
12/14	1250	Equipment Blank				1	1	~~X~~	-019	~~Y~~	~~Y~~
12/14	0814	B-4-N 11-12'				1	2	o2	-020	Y	Y
12/15	0845	B-16-S 9-10				1	2	o	-021	2	2

CHEMICAL SECTION 2000 DEC 15

angie chang 84217 [illegible]

Comments / Special Instructions / Additional E-Mail Notifications:
Analyze per NYS STARS (MEMO)
3 of 3

Central Services: ☐ Environment, Health & Safety ☐ Transportation & Stores ☐ Research & Development ☐ Facilities & Office Services

Electric Operations: ☐ Customer Services ☐ Distribution Engineering ☐ Manhattan ☐ Bronx & Westchester ☐ Staten Island ☐ Brooklyn & Queens ☐ Customer Operations

Central Operations: ☐ System & Transmission Operations ☐ Maintenance Services ☐ Energy Management ☐ Substation Operations ☐ Steam Operations

Nuclear Operations: ☐ Nuclear Power ☐ Nuclear Engineering ☐ Public Affairs

☐ Gas Ops ☐ Law ☐ Auditing

(6)

Relinquished by (Sampler): (Signature)	Date / Time	Received by (Signature)	Date / Time	Relinquished by (Signature)	Date / Time	Received by (Signature)	Date / Time
[signature]	12/15 1530	[signature]	12/15 1610	[signature]	12/18 0843		
Relinquished by (Signature):	Date / Time	Received by (Signature):	Date / Time	Relinquished by (Signature):	Date / Time	Received by (Signature):	Date / Time
Relinquished by (Signature):	Date / Time	Received by (Signature):	Date / Time	Relinquished by (Signature):	Date / Time	Received by (Signature):	Date / Time

Environmental Testing Laboratories, Inc.
208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

03/09/2001

EPA 8021B Stars Memo Volatiles Compounds

Sample: K2599-1
Client Sample ID: 01-01394-001 MW-11S
Matrix: Liquid
Type: Grab
Collected: 02/07/2001 15:30
Remarks: See Case Narrative
Analyzed Date: 02/14/2001

Cas No	Analyte	MDL	Concentration	Units	Q
1634-04-4	MTBE	2.30	**697**	ppb	
71-43-2	Benzene	0.14	**3.80**	ppb	
108-88-3	Toluene	0.16	**15.2**	ppb	
100-41-4	Ethylbenzene	0.17	**89.1**	ppb	
108-38-3	m,p-xylene	4.50	**476**	ppb	
95-47-6	o-xylene	2.70	**180**	ppb	
1330-20-7	Xylenes(Total)	7.20	**656**	ppb	
98-82-8	Isopropylbenzene	0.10	**21.1**	ppb	
103-65-1	n-Propylbenzene	0.14	**40.0**	ppb	
108-67-8	1,3,5-Trimethylbenzene	3.00	**215**	ppb	
98-06-6	tert-Butylbenzene	0.13	0.13	ppb	U
95-63-6	1,2,4-Trimethylbenzene	2.50	**611**	ppb	
135-98-8	sec-Butylbenzene	0.040	0.040	ppb	U
99-87-6	p-Isopropyltoluene	0.10	**17.7**	ppb	
104-51-8	n-Butylbenzene	0.14	0.14	ppb	U
91-20-3	Naphthalene	0.27	**84.0**	ppb	

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03/09/2001

EPA 8021B Stars Memo Volatiles Compounds

Sample: K2599-2
Client Sample ID: 01-01394-002 MW-12S
Collected: 02/07/2001 16:40
Matrix: Liquid Type: Grab
Remarks: See Case Narrative
Analyzed Date: 02/14/2001

Cas No	Analyte	MDL	Concentration	Units	Q
1634-04-4	MTBE	0.25	**198**	ppb	E
71-43-2	Benzene	0.14	0.14	ppb	U
108-88-3	Toluene	0.16	0.16	ppb	U
100-41-4	Ethylbenzene	0.17	0.17	ppb	U
108-38-3	m,p-xylene	0.17	**2.10**	ppb	
95-47-6	o-xylene	0.080	0.080	ppb	U
1330-20-7	Xylenes(Total)	0.89	**2.10**	ppb	
98-82-8	Isopropylbenzene	0.10	**0.85**	ppb	
103-65-1	n-Propylbenzene	0.14	0.14	ppb	U
108-67-8	1,3,5-Trimethylbenzene	0.12	**3.10**	ppb	
98-06-6	tert-Butylbenzene	0.13	0.13	ppb	U
95-63-6	1,2,4-Trimethylbenzene	0.13	**6.40**	ppb	
135-98-8	sec-Butylbenzene	0.040	0.040	ppb	U
99-87-6	p-Isopropyltoluene	0.10	0.10	ppb	U
104-51-8	n-Butylbenzene	0.14	0.14	ppb	U
91-20-3	Naphthalene	0.27	0.27	ppb	U

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03/09/2001

EPA 8021B Stars Memo Volatiles Compounds

Sample: K2599-3
Client Sample ID: 01-01394-003 MW-14S
Collected: 02/07/2001 17:50
Matrix: Liquid Type: Grab
Remarks: See Case Narrative
Analyzed Date: 02/14/2001

Cas No	Analyte	MDL	Concentration	Units	Q
1634-04-4	MTBE	1.25	**260**	ppb	
71-43-2	Benzene	0.70	**16.7**	ppb	
108-88-3	Toluene	0.80	**44.5**	ppb	
100-41-4	Ethylbenzene	0.85	**174**	ppb	
108-38-3	m,p-xylene	0.85	**823**	ppb	
95-47-6	o-xylene	0.40	**474**	ppb	
1330-20-7	Xylenes(Total)	4.45	**1300**	ppb	
98-82-8	Isopropylbenzene	0.50	**23.3**	ppb	
103-65-1	n-Propylbenzene	0.70	**17.1**	ppb	
108-67-8	1,3,5-Trimethylbenzene	0.60	**146**	ppb	
98-06-6	tert-Butylbenzene	0.65	0.65	ppb	U
95-63-6	1,2,4-Trimethylbenzene	0.65	**481**	ppb	
135-98-8	sec-Butylbenzene	0.20	0.20	ppb	U
99-87-6	p-Isopropyltoluene	0.50	**8.10**	ppb	
104-51-8	n-Butylbenzene	0.70	0.70	ppb	U
91-20-3	Naphthalene	1.35	**64.1**	ppb	

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03/09/2001

EPA 8021B Stars Memo Volatiles Compounds

Sample: K2599-4
Client Sample ID: 01-01394-004 MW-13S
Matrix: Liquid Type: Grab
Remarks: See Case Narrative
Analyzed Date: 02/14/2001

Collected: 02/07/2001 18:50

Cas No	Analyte	MDL	Concentration	Units	Q
1634-04-4	MTBE	0.50	40.3	ppb	
71-43-2	Benzene	0.28	0.28	ppb	U
108-88-3	Toluene	0.32	0.32	ppb	U
100-41-4	Ethylbenzene	0.34	0.34	ppb	U
108-38-3	m,p-xylene	0.34	0.34	ppb	U
95-47-6	o-xylene	0.16	0.16	ppb	U
1330-20-7	Xylenes(Total)	1.78	1.78	ppb	U
98-82-8	Isopropylbenzene	0.20	0.20	ppb	U
103-65-1	n-Propylbenzene	0.28	0.28	ppb	U
108-67-8	1,3,5-Trimethylbenzene	0.24	0.24	ppb	U
98-06-6	tert-Butylbenzene	0.26	0.26	ppb	U
95-63-6	1,2,4-Trimethylbenzene	0.26	0.26	ppb	U
135-98-8	sec-Butylbenzene	0.080	0.080	ppb	U
99-87-6	p-Isopropyltoluene	0.20	0.20	ppb	U
104-51-8	n-Butylbenzene	0.28	0.28	ppb	U
91-20-3	Naphthalene	0.54	0.54	ppb	U

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03/09/2001

EPA 8021B Stars Memo Volatiles Compounds

Sample: K2599-5
Client Sample ID: 01-01394-005 MW-6N
Collected: 02/08/2001 10:30
Matrix: Liquid Type: Grab
Remarks: See Case Narrative
Analyzed Date: 02/14/2001

Cas No	Analyte	MDL	Concentration	Units	Q
1634-04-4	MTBE	0.25	0.25	ppb	U
71-43-2	Benzene	0.14	0.14	ppb	U
108-88-3	Toluene	0.16	0.16	ppb	U
100-41-4	Ethylbenzene	0.17	0.17	ppb	U
108-38-3	m,p-xylene	0.17	0.17	ppb	U
95-47-6	o-xylene	0.080	0.080	ppb	U
1330-20-7	Xylenes(Total)	0.89	0.89	ppb	U
98-82-8	Isopropylbenzene	0.10	0.10	ppb	U
103-65-1	n-Propylbenzene	0.14	0.14	ppb	U
108-67-8	1,3,5-Trimethylbenzene	0.12	0.12	ppb	U
98-06-6	tert-Butylbenzene	0.13	0.13	ppb	U
95-63-6	1,2,4-Trimethylbenzene	0.13	0.13	ppb	U
135-98-8	sec-Butylbenzene	0.040	0.040	ppb	U
99-87-6	p-Isopropyltoluene	0.10	0.10	ppb	U
104-51-8	n-Butylbenzene	0.14	0.14	ppb	U
91-20-3	Naphthalene	0.27	0.27	ppb	U

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03/09/2001

EPA 8021B Stars Memo Volatiles Compounds

Sample: K2599-6
Client Sample ID: 01-01394-006 MW-3N
Collected: 02/08/2001 12:40
Matrix: Liquid Type: Grab
Remarks: See Case Narrative
Analyzed Date: 02/14/2001

Cas No	Analyte	MDL	Concentration	Units	Q
1634-04-4	MTBE	0.25	74.1	ppb	
71-43-2	Benzene	0.14	0.14	ppb	U
108-88-3	Toluene	0.16	0.16	ppb	U
100-41-4	Ethylbenzene	0.17	0.17	ppb	U
108-38-3	m,p-xylene	0.17	0.17	ppb	U
95-47-6	o-xylene	0.080	0.080	ppb	U
1330-20-7	Xylenes(Total)	0.89	0.89	ppb	U
98-82-8	Isopropylbenzene	0.10	0.10	ppb	U
103-65-1	n-Propylbenzene	0.14	0.14	ppb	U
108-67-8	1,3,5-Trimethylbenzene	0.12	0.12	ppb	U
98-06-6	tert-Butylbenzene	0.13	0.13	ppb	U
95-63-6	1,2,4-Trimethylbenzene	0.13	0.13	ppb	U
135-98-8	sec-Butylbenzene	0.040	0.040	ppb	U
99-87-6	p-Isopropyltoluene	0.10	0.10	ppb	U
104-51-8	n-Butylbenzene	0.14	0.14	ppb	U
91-20-3	Naphthalene	0.27	0.27	ppb	U

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03/09/2001

EPA 8021B Stars Memo Volatiles Compounds

Sample: K2599-7
Client Sample ID: 01-01394-007 MW-20S
Collected: 02/08/2001 13:20
Matrix: Liquid Type: Grab
Remarks: See Case Narrative
Analyzed Date: 02/14/2001

Cas No	Analyte	MDL	Concentration	Units	Q
1634-04-4	MTBE	0.25	0.25	ppb	U
71-43-2	Benzene	0.14	0.14	ppb	U
108-88-3	Toluene	0.16	0.16	ppb	U
100-41-4	Ethylbenzene	0.17	0.17	ppb	U
108-38-3	m,p-xylene	0.17	0.17	ppb	U
95-47-6	o-xylene	0.080	0.080	ppb	U
1330-20-7	Xylenes(Total)	0.89	0.89	ppb	U
98-82-8	Isopropylbenzene	0.10	0.10	ppb	U
103-65-1	n-Propylbenzene	0.14	0.14	ppb	U
108-67-8	1,3,5-Trimethylbenzene	0.12	0.12	ppb	U
98-06-6	tert-Butylbenzene	0.13	0.13	ppb	U
95-63-6	1,2,4-Trimethylbenzene	0.13	0.13	ppb	U
135-98-8	sec-Butylbenzene	0.040	0.040	ppb	U
99-87-6	p-Isopropyltoluene	0.10	0.10	ppb	U
104-51-8	n-Butylbenzene	0.14	0.14	ppb	U
91-20-3	Naphthalene	0.27	0.27	ppb	U

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03/09/2001

EPA 8021B Stars Memo Volatiles Compounds

Sample: K2599-8
Client Sample ID: 01-01394-008 MW-5N
Collected: 02/08/2001 13:45
Matrix: Liquid Type: Grab
Remarks: See Case Narrative
Analyzed Date: 02/14/2001

Cas No	Analyte	MDL	Concentration	Units	Q
1634-04-4	MTBE	0.25	0.25	ppb	U
71-43-2	Benzene	0.14	0.14	ppb	U
108-88-3	Toluene	0.16	0.16	ppb	U
100-41-4	Ethylbenzene	0.17	0.17	ppb	U
108-38-3	m,p-xylene	0.17	0.17	ppb	U
95-47-6	o-xylene	0.080	0.080	ppb	U
1330-20-7	Xylenes(Total)	0.89	0.89	ppb	U
98-82-8	Isopropylbenzene	0.10	0.10	ppb	U
103-65-1	n-Propylbenzene	0.14	0.14	ppb	U
108-67-8	1,3,5-Trimethylbenzene	0.12	0.12	ppb	U
98-06-6	tert-Butylbenzene	0.13	0.13	ppb	U
95-63-6	1,2,4-Trimethylbenzene	0.13	0.13	ppb	U
135-98-8	sec-Butylbenzene	0.040	0.040	ppb	U
99-87-6	p-Isopropyltoluene	0.10	0.10	ppb	U
104-51-8	n-Butylbenzene	0.14	0.14	ppb	U
91-20-3	Naphthalene	0.27	0.27	ppb	U

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03/09/2001

EPA 8021B Stars Memo Volatiles Compounds

Sample: K2599-9

Client Sample ID: 01-01394-009 MW-18S
Collected: 02/08/2001 14:55
Matrix: Liquid
Type: Grab
Remarks: See Case Narrative
Analyzed Date: 02/14/2001

Cas No	Analyte	MDL	Concentration	Units	Q
1634-04-4	MTBE	0.25	0.25	ppb	U
71-43-2	Benzene	0.14	0.14	ppb	U
108-88-3	Toluene	0.16	0.16	ppb	U
100-41-4	Ethylbenzene	0.17	0.17	ppb	U
108-38-3	m,p-xylene	0.17	0.17	ppb	U
95-47-6	o-xylene	0.080	0.080	ppb	U
1330-20-7	Xylenes(Total)	0.89	0.89	ppb	U
98-82-8	Isopropylbenzene	0.10	0.10	ppb	U
103-65-1	n-Propylbenzene	0.14	0.14	ppb	U
108-67-8	1,3,5-Trimethylbenzene	0.12	0.12	ppb	U
98-06-6	tert-Butylbenzene	0.13	0.13	ppb	U
95-63-6	1,2,4-Trimethylbenzene	0.13	0.13	ppb	U
135-98-8	sec-Butylbenzene	0.040	0.040	ppb	U
99-87-6	p-Isopropyltoluene	0.10	0.10	ppb	U
104-51-8	n-Butylbenzene	0.14	0.14	ppb	U
91-20-3	Naphthalene	0.27	0.27	ppb	U

Environmental Testing Laboratories, Inc.
208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

03/09/2001

EPA 8021B Stars Memo Volatiles Compounds

Sample: K2599-10
Client Sample ID: 01-01394-010 MW-2N
Collected: 02/08/2001 16:05
Matrix: Liquid Type: Grab
Remarks: See Case Narrative
Analyzed Date: 02/14/2001

Cas No	Analyte	MDL	Concentration	Units	Q
1634-04-4	MTBE	0.50	18.5	ppb	
71-43-2	Benzene	0.28	0.28	ppb	U
108-88-3	Toluene	0.32	0.32	ppb	U
100-41-4	Ethylbenzene	0.34	0.34	ppb	U
108-38-3	m,p-xylene	0.34	0.34	ppb	U
95-47-6	o-xylene	0.16	0.16	ppb	U
1330-20-7	Xylenes(Total)	1.78	1.78	ppb	U
98-82-8	Isopropylbenzene	0.20	0.20	ppb	U
103-65-1	n-Propylbenzene	0.28	0.28	ppb	U
108-67-8	1,3,5-Trimethylbenzene	0.24	0.24	ppb	U
98-06-6	tert-Butylbenzene	0.26	0.26	ppb	U
95-63-6	1,2,4-Trimethylbenzene	0.26	0.26	ppb	U
135-98-8	sec-Butylbenzene	0.080	0.080	ppb	U
99-87-6	p-Isopropyltoluene	0.20	0.20	ppb	U
104-51-8	n-Butylbenzene	0.28	0.28	ppb	U
91-20-3	Naphthalene	0.54	0.54	ppb	U

Environmental Testing Laboratories, Inc.
208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

03/09/2001

EPA 8021B Stars Memo Volatiles Compounds

Sample: K2599-11
Client Sample ID: 01-01394-011 MW-19S
Matrix: Liquid
Type: Grab
Collected: 02/08/2001 16:35
Remarks: See Case Narrative
Analyzed Date: 02/14/2001

Cas No	Analyte	MDL	Concentration	Units	Q
1634-04-4	MTBE	0.25	0.25	ppb	U
71-43-2	Benzene	0.14	0.14	ppb	U
108-88-3	Toluene	0.16	0.16	ppb	U
100-41-4	Ethylbenzene	0.17	0.17	ppb	U
108-38-3	m,p-xylene	0.17	0.17	ppb	U
95-47-6	o-xylene	0.080	0.080	ppb	U
1330-20-7	Xylenes(Total)	0.89	0.89	ppb	U
98-82-8	Isopropylbenzene	0.10	0.10	ppb	U
103-65-1	n-Propylbenzene	0.14	0.14	ppb	U
108-67-8	1,3,5-Trimethylbenzene	0.12	0.12	ppb	U
98-06-6	tert-Butylbenzene	0.13	0.13	ppb	U
95-63-6	1,2,4-Trimethylbenzene	0.13	0.13	ppb	U
135-98-8	sec-Butylbenzene	0.040	0.040	ppb	U
99-87-6	p-Isopropyltoluene	0.10	0.10	ppb	U
104-51-8	n-Butylbenzene	0.14	0.14	ppb	U
91-20-3	Naphthalene	0.27	0.27	ppb	U

Environmental Testing Laboratories, Inc.
208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

03/09/2001

EPA 8021B Stars Memo Volatiles Compounds

Sample: K2599-12
Client Sample ID: 01-01394-012 MW-1N
Matrix: Liquid
Type: Grab
Collected: 02/08/2001 17:15
Remarks: See Case Narrative
Analyzed Date: 02/14/2001

Cas No	Analyte	MDL	Concentration	Units	Q
1634-04-4	MTBE	0.50	84.6	ppb	
71-43-2	Benzene	0.28	24.4	ppb	
108-88-3	Toluene	0.32	24.2	ppb	
100-41-4	Ethylbenzene	0.34	56.7	ppb	
108-38-3	m,p-xylene	0.34	400	ppb	
95-47-6	o-xylene	0.16	232	ppb	
1330-20-7	Xylenes(Total)	1.78	632	ppb	
98-82-8	Isopropylbenzene	0.20	24.7	ppb	
103-65-1	n-Propylbenzene	0.28	16.4	ppb	
108-67-8	1,3,5-Trimethylbenzene	0.24	156	ppb	
98-06-6	tert-Butylbenzene	0.26	0.26	ppb	U
95-63-6	1,2,4-Trimethylbenzene	0.65	308	ppb	
135-98-8	sec-Butylbenzene	0.080	0.080	ppb	U
99-87-6	p-Isopropyltoluene	0.20	10.9	ppb	
104-51-8	n-Butylbenzene	0.28	0.28	ppb	U
91-20-3	Naphthalene	0.54	44.0	ppb	

Environmental Testing Laboratories, Inc.
208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

03/09/2001

EPA 8021B Stars Memo Volatiles Compounds

Sample: K2599-14
Client Sample ID: 01-01394-014 Trip Blank
Collected: 02/07/2001
Matrix: Liquid
Type: Grab
Remarks: See Case Narrative
Analyzed Date: 02/14/2001

Cas No	Analyte	MDL	Concentration	Units	Q
1634-04-4	MTBE	0.25	0.25	ppb	U
71-43-2	Benzene	0.14	0.14	ppb	U
108-88-3	Toluene	0.16	0.16	ppb	U
100-41-4	Ethylbenzene	0.17	0.17	ppb	U
108-38-3	m,p-xylene	0.17	0.17	ppb	U
95-47-6	o-xylene	0.080	0.080	ppb	U
1330-20-7	Xylenes(Total)	0.89	0.89	ppb	U
98-82-8	Isopropylbenzene	0.10	0.10	ppb	U
103-65-1	n-Propylbenzene	0.14	0.14	ppb	U
108-67-8	1,3,5-Trimethylbenzene	0.12	0.12	ppb	U
98-06-6	tert-Butylbenzene	0.13	0.13	ppb	U
95-63-6	1,2,4-Trimethylbenzene	0.13	0.13	ppb	U
135-98-8	sec-Butylbenzene	0.040	0.040	ppb	U
99-87-6	p-Isopropyltoluene	0.10	0.10	ppb	U
104-51-8	n-Butylbenzene	0.14	0.14	ppb	U
91-20-3	Naphthalene	0.27	0.27	ppb	U

Environmental Testing Laboratories, Inc.
208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

02/23/2001

Lead, Total

Sample: K2599-1
Client Sample ID: MW-11S
Matrix: Liquid
Remarks:
Analyzed Date: 02/14/2001

Type: Grab

Collected: 02/07/2001 15:30

Cas No	Analyte	MDL	Concentration	Units	Q
7439-92-1	Lead	1.44	30.4	ppb	

Sample: K2599-2
Client Sample ID: MW-12S
Matrix: Liquid
Remarks:
Analyzed Date: 02/14/2001

Type: Grab

Collected: 02/07/2001 16:40

Cas No	Analyte	MDL	Concentration	Units	Q
7439-92-1	Lead	1.44	0.93	ppb	J

Sample: K2599-3
Client Sample ID: MW-14S
Matrix: Liquid
Remarks:
Analyzed Date: 02/14/2001

Type: Grab

Collected: 02/07/2001 17:50

Cas No	Analyte	MDL	Concentration	Units	Q
7439-92-1	Lead	1.44	12.1	ppb	

Sample: K2599-4
Client Sample ID: MW-13S
Matrix: Liquid
Remarks:
Analyzed Date: 02/14/2001

Type: Grab

Collected: 02/07/2001 18:50

Cas No	Analyte	MDL	Concentration	Units	Q
7439-92-1	Lead	1.44	19.8	ppb	

Environmental Testing Laboratories, Inc.
208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

02/23/2001

Lead, Total

Sample: K2599-5
Client Sample ID: MW-6N
Matrix: Liquid
Remarks:
Analyzed Date: 02/14/2001
Type: Grab
Collected: 02/08/2001 10:30

Cas No	Analyte	MDL	Concentration	Units	Q
7439-92-1	Lead	1.44	1.44	ppb	U

Sample: K2599-6
Client Sample ID: MW-3N
Matrix: Liquid
Remarks:
Analyzed Date: 02/14/2001
Type: Grab
Collected: 02/08/2001 12:40

Cas No	Analyte	MDL	Concentration	Units	Q
7439-92-1	Lead	1.44	113	ppb	

Sample: K2599-7
Client Sample ID: MW-20S
Matrix: Liquid
Remarks:
Analyzed Date: 02/14/2001
Type: Grab
Collected: 02/08/2001 13:20

Cas No	Analyte	MDL	Concentration	Units	Q
7439-92-1	Lead	1.44	1.44	ppb	U

Sample: K2599-8
Client Sample ID: MW-5N
Matrix: Liquid
Remarks:
Analyzed Date: 02/14/2001
Type: Grab
Collected: 02/08/2001 13:45

Cas No	Analyte	MDL	Concentration	Units	Q
7439-92-1	Lead	1.44	1.44	ppb	U

Environmental Testing Laboratories, Inc.
208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

02/23/2001

Lead, Total

Sample: K2599-9
Client Sample ID: MW-18S
Matrix: Liquid
Remarks:
Analyzed Date: 02/14/2001
Type: Grab
Collected: 02/08/2001 14:55

Cas No	Analyte	MDL	Concentration	Units	Q
7439-92-1	Lead	1.44	1.44	ppb	U

Sample: K2599-10
Client Sample ID: MW-2N
Matrix: Liquid
Remarks:
Analyzed Date: 02/14/2001
Type: Grab
Collected: 02/08/2001 16:05

Cas No	Analyte	MDL	Concentration	Units	Q
7439-92-1	Lead	1.44	51.9	ppb	

Sample: K2599-11
Client Sample ID: MW-19S
Matrix: Liquid
Remarks:
Analyzed Date: 02/14/2001
Type: Grab
Collected: 02/08/2001 16:35

Cas No	Analyte	MDL	Concentration	Units	Q
7439-92-1	Lead	1.44	0.74	ppb	J

Sample: K2599-12
Client Sample ID: MW-1N
Matrix: Liquid
Remarks:
Analyzed Date: 02/14/2001
Type: Grab
Collected: 02/08/2001 17:15

Cas No	Analyte	MDL	Concentration	Units	Q
7439-92-1	Lead	1.44	507	ppb	

Environmental Testing Laboratories, Inc.
208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

02/23/2001

Lead, Total

Sample: K2599-13
Client Sample ID: MW-4N
Matrix: Liquid
Remarks:
Analyzed Date: 02/19/2001

Collected: 02/08/2001 17:20
Type: Grab

Cas No	Analyte	MDL	Concentration	Units	Q
7439-92-1	Lead	13.0	542000	ppb	

Sample: K2599-15
Client Sample ID: 3rd Avenue Yard Drums
Matrix: Liquid
Remarks:
Analyzed Date: 02/14/2001

Collected: 02/08/2001 18:00
Type: Composite

Cas No	Analyte	MDL	Concentration	Units	Q
7439-92-1	Lead	1.44	10.1	ppb	

ETL [illegible] # R-2311

EH&S ChemLab
Chain-of-Custody/Request for Analysis

Consolidated Edison (Bldg. 138)
31-01 20th Avenue, L.I.C., NY 11105

Tel: (718) 204-4124
Fax: (718) 956-8058

Chain-of-Custody ID #: **AA30911**

SN: *(Lab Use Only)* 01-01394 e² MIS Incident Pg 1 of 2

Borough: MH ☐, BK ☒, QN ☐, BX ☐, WE ☐, SI ☐

Sample Site: Third Ave YARD

Requested By: Angel Chang Employee #: 84217 Telephone #: (718) 204 4151 Account #: C 7982

Organization: (*Check Box Below) Dept. 24-hour Tel. #: ( )

E-mail Notification: Asbestos License #: Customer's ID #:

Sampled By: B. Bline / E. Capasso / Jacques Whitford Employee #: VENDOR

Priority: E (within 8 hours) A (within 24 hours) **(B (within 7 days))**

An 'E' or 'A' priority requires an e²MIS Incident # or an operational necessity justification:

Preservation Information:
Temp Blank: Yes ____ No X °C ____
Preserved with
Comments: BATCH ONLY

SAMPLE INFO — TYPE: G-Grab; C-Composite; B-Blank; D-Duplicate; S-Split; SP-Spike
MATRIX: BL-Bluestone; L-Liquid; S-Solid; O-Oil; W-Water; WO-Water & Oil; SO-Soil; SL-Sludge; WI-Wipe; A-Air; GC-Gas Cond

(5) Analysis (Test) required — include method number if applicable

Collected (3) Date	Time	Sample Location / Description	VLT/MH/POLE # EQUIP. SERIAL #	(4) Sample Matrix	Sample Type	Total # of samples	Total # of containers	OIL ID	PCB	VOC 8021	SVOC 8270	TCLP METALS	TCLP BENZENE	TCLP FULL MINUS PEST & HERB	BTEX	OIL & GREASE	TSS	GAS-IN-OIL	TOTAL BENZENE	ASBESTOS	DIELECTRIC	TOTAL HALOGENS	TPH	IGNITABILITY (FLASH POINT)	REACTIVITY	TOTAL LEAD	If SPDES sample, check box	e²MIS Sample ID # (Not Incident #)
2/7/01	1530	MW - 11 S		W	G	1	3			✓																✓		(-001)
2/7/01	1640	MW - 12 S		W	G	1	3			✓																✓		-002
2/7/01	1750	MW - 14 S		W	G	1	3			✓																✓		-003
2/7/01	1850	MW - 13 S		W	G	1	3			✓																✓		-004
2/8/01	1030	MW - 6 N		W	G	1	4			✓	✓															✓		-005
2/8/01	1240	MW - 3 N		W	G	1	4			✓	✓															✓		-006
2/8/01	1320	MW - 20 S		W	G	1	3			✓																✓		-007
2/8/01	1345	MW - 5 N		W	G	1	4			✓	✓															✓		(-008)

2001 FEB 8 — CHEMICAL [illegible] RECEIVED

Comments / Special Instructions / Additional E-Mail Notifications: SEND OUT TO ETL NYSDEC STARS LIST for 8021 and 8270, INCLUDE MTBE

Central Services: ☒ Environment, Health & Safety ☐ Transportation & Stores ☐ Research & Development ☐ Facilities & Office Services

Electric Operations: ☐ Customer Services ☐ Distribution Engineering ☐ Manhattan ☐ Bronx & Westchester ☐ Staten Island ☐ Brooklyn & Queens ☐ Customer Operations

Central Operations: ☐ System & Transmission Operations ☐ Maintenance Services ☐ Energy Management ☐ Substation Operations ☐ Steam Operations

Nuclear Operations: ☐ Nuclear Power ☐ Nuclear Engineering ☐ Public Affairs

☐ Gas Ops ☐ Law ☐ Auditing

Relinquished by	Date/Time	Received by	Date/Time	Relinquished by	Date/Time	Received by	Date/Time
Relinquished by (Sampler): (Signature) E Capasso	Date 2-8-01 Time 1921	Received by (Signature): [signature]	Date 2/8 Time 1922	Relinquished by (Signature): J Ballum	Date 2/9 Time 0947	Received by (Signature):	Date Time
Relinquished by (Signature):	Date Time	Received by (Signature):	Date Time	Relinquished by (Signature):	Date Time	Received by (Signature):	Date Time
Relinquished by (Signature):	Date Time	Received by (Signature):	Date Time	Relinquished by (Signature):	Date Time	Received by (Signature):	Date Time

LABORATORY COPY

ETL coc # K-2549 Samples 4N not enough for ignitability

EH&S ChemLab
Chain-of-Custody/Request for Analysis

Consolidated Edison (Bldg. 138)
31-01 20th Avenue, L.I.C., NY 11105
Tel: (718) 204-4124
Fax: (718) 956-8058

Chain-of-Custody ID #: AA30912

(1)
LSN: (Lab Use Only) 01-01394
e² MIS Incident #:
Borough: MH ☐, BK ☒, QN ☐, BX ☐, WE ☐, SI ☐
Sample Site: THIRD AVE YARD
Requested By: ANGEL CHANG
Employee #: 84217
Telephone #: (718) 204 4151
Account #: C9982
E-mail Notification:
Organization: (*Check Box Below)
Dept. 24-hour Tel. #: ( )
Sampled By: B. Bline, E. Capasso / JWC
Employee #: VENDOR
Asbestos License #:
Customer's ID #:

B 2 OF 2

(2) Priority: E (within 8 hours) A (within 24 hours) B (within 7 days)
An 'E' or 'A' priority requires an e²MIS Incident # or an operational necessity justification:

Preservation Information: 2/9 Angel called for more sample for MW 4N if possible for Flash & Print
Temp Blank: Yes 09.5 ; No
Preserved with
Comments: BATCH ONLY

SAMPLE INFO
TYPE: G-Grab; C-Composite; B-Blank; D-Duplicate; S-Split; SP-Spike
MATRIX: BL-Bluestone; L-Liquid; S-Solid; O-Oil; W-Water; WO-Water & Oil; SO-Soil; SL-Sludge; WI-Wipe; A-Air; GC-Gas Cond

(5) Analysis (Test) required — include method number if applicable

(3) Collected Date	Time	Sample Location / Description	VLT/MH/POLE # EQUIP. SERIAL #	(4) Sample Matrix	Sample Type	Total # of samples	Total # of containers	Oil ID	PCB	VOC	SVOC	TCLP METALS	TCLP BENZENE	TCLP FULL MINUS PEST & HERB	BTEX	OIL & GREASE	TSS	GAS-IN-OIL	TOTAL BENZENE	ASBESTOS	DIELECTRIC	TOTAL HALOGENS	TPH	IGNITABILITY (FLASH POINT)	REACTIVITY	TOTAL LEAD PRODUCT ID	If SPDES sample, check box	e²MIS Sample ID# (Not Incident #)
2/8/01	1455	MW-18S		W	G	1	3			✓																		-009
2/8/01	1605	MW-2N		W	G	1	4			✓✓																		-010
2/8/01	1635	MW-19S		W	G	1	3			✓																		-011
2/8/01	1715	MW-1N		W	G	1	4			✓✓																		-012
2/8/01	1720	MW-4N (Reweigh ID & Total lead)	AV	WO	G	1	1	→ NOT Enough for FP																✓	✓	✓		-013
2/7/01		TRIP BLANK		W	G	1	1			✓																		-014
2/8/01	1800	3rd Ave Yard Drums		W	C	1	2																✓	✓	✓			-015
2/8/01	1815	3rd Ave YARD Drum		W	G	1	2																✓	✓	✓			-016

Comments / Special Instructions / Additional E-Mail Notifications:
SEND OUT TO ETL
NYSDEC STARS LIST for 8021 and 8270, INCLUDE MTBE

Central Services	Electric Operations	Central Operations	Nuclear Operations	
☒ Environment, Health & Safety	☐ Customer Services	☐ System & Transmission Operations	☐ Nuclear Power	☐ Gas Ops
☐ Transportation & Stores	☐ Distribution Engineering	☐ Maintenance Services	☐ Nuclear Engineering	☐ Law
☐ Research & Development	☐ Manhattan	☐ Energy Management	☐ Public Affairs	☐ Auditing
☐ Facilities & Office Services	☐ Bronx & Westchester	☐ Substation Operations		
	☐ Staten Island	☐ Steam Operations		
	☐ Brooklyn & Queens			
	☐ Customer Operations			

Relinquished by (Sampler): (Signature)	Date	Received by (Signature):	Date	Relinquished by (Signature):	Date	Received by (Signature):	Date
(6) Elaine Capasso	2-8-01 Time 1921		2/9 Time 19:12		2/9 Time 0947		Time
Relinquished by (Signature):	Date Time	Received by (Signature):	Date Time	Relinquished by (Signature):	Date Time	Received by (Signature):	Date Time
Relinquished by (Signature):	Date Time	Received by (Signature):	Date Time	Relinquished by (Signature):	Date Time	Received by (Signature):	Date Time

EH & S ChemLab (Rev. 5/00)

LABORATORY COPY

From: <CHEMLIMS@tao.coned.com>
To: <CHANGA@CONED.COM>
Date: 1/24/01 3:35PM
Subject: By ANGEL CHANG 01-00591

Lab Sequence Number: 01-00591-013 Date Reported: 01/24/01
E2MIS Incident Number: Date Analyzed:
E2MIS Sample Number: Date Received: 01/19/01
Date Sampled: 01/18/01
Submitter: ANGEL CHANG
Description: SOLID-DRUMS,3 AV YD
Facility: 511 THEODORE FREMD AVE

TSL Analyst: J.CHARLES
NOTE: THE SUBMITTER SHALL POST AND/OR PROVIDE THESE RESULTS TO ALL EMPLOYEES WORKING WITH OR IN THE VICINITY OF THIS SUBSTANCE. THIS REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT THE WRITTEN APPROVAL OF TSL. THIS REPORT RELATES ONLY TO THE ITEMS TESTED.

==========

*** TCLP Results Of Analysis ***

==========

Description: B-12S DRUMS SAMPLE TYPE: SOLID
Location: THIRD AVE YD

METALS: USEPA SW846 6010/HG7471A/1311

ANALYTE	RESULTS	UNITS
Arsenic		
Barium		
Cadmium		
Chromium		
Lead	0.44	mg/L
Mercury		
Selenium		
Silver		

VOLATILES: USEPA SW846 8260/624/1311

ANALYTE	RESULTS	UNITS
Benzene		
Carbon Tetrachloride		
Chlorobenzene		
Chloroform		
1,2-Dichloroethane		
1,1-Dichloroethene		
Methyl Ethyl Ketone		
Tetrachloroethene		
Trichloroethene		
Vinyl Chloride		

SEMI-VOLATILES: USEPA SW846 8270C/1311

o-Cresol
m-Cresol
p-Cresol
1,4-Dichlorobenzene
2,4-Dinitrotoluene
Hexachlorobenzene
Hexachlorobutadiene
Hexachloroethane
Nitrobenzene
Pentachlorophenol
Pyridine
2,4,5-Trichlorophenol
2,4,6-Trichlorophenol

PESTICIDES: USEPA SW846 8081/1311

Endrin
Lindane
Methoxychlor
Toxaphene
Chlordane
Heptachlor
Heptachlor Epoxide

HERBICIDES: USEPA SW846 8151/1311

2,4-D
Silvex (2,4,5-TP)

Analyzed by: EcoTest Laboratories, Inc. ELAP# 10320

NOTE: Vacant fields indicate test not requested.

From: <CHEMLIMS@tao.coned.com>
To: <CHANGA@CONED.COM>
Date: 1/24/01 3:35PM
Subject: By ANGEL CHANG 01-00591

CONSOLIDATED EDISON JAN. 24 2001
ENVIRONMENTAL, HEALTH & SAFETY
CHEMLAB ELAP# 10380

Lab Sequence Number: 01-00591-007 Date Reported: 01/24/01
E2MIS Incident Number: Date Analyzed:
E2MIS Sample Number: Date Received: 01/19/01
Date Sampled: 01/17/01
Submitter: ANGEL CHANG
Description: SOLID-DRUMS,3 AV YD
Facility: 511 THEODORE FREMD AVE

TSL Analyst: J.CHARLES
NOTE: THE SUBMITTER SHALL POST AND/OR PROVIDE THESE RESULTS TO ALL EMPLOYEES WORKING WITH OR IN THE VICINITY OF THIS SUBSTANCE. THIS REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT THE WRITTEN APPROVAL OF TSL. THIS REPORT RELATES ONLY TO THE ITEMS TESTED.

==========

*** TCLP Results Of Analysis ***

==========

Description: B-19S DRUMS SAMPLE TYPE: SOLID
Location: THIRD AVE YD

METALS: USEPA SW846 6010/HG7471A/1311 VOLATILES: USEPA SW846 8260/624/1311

ANALYTE	RESULTS	UNITS	ANALYTE	RESULTS	UNITS
Arsenic			Benzene		
Barium			Carbon Tetrachloride		
Cadmium			Chlorobenzene		
Chromium			Chloroform		
Lead	0.093	mg/L	1,2-Dichloroethane		
Mercury			1,1-Dichloroethene		
Selenium			Methyl Ethyl Ketone		
Silver			Tetrachloroethene		
			Trichloroethene		
			Vinyl Chloride		

SEMI-VOLATILES: USEPA SW846 8270C/1311 PESTICIDES: USEPA SW846 8081/1311

o-Cresol	Endrin	
m-Cresol	Lindane	
p-Cresol	Methoxychlor	
1,4-Dichlorobenzene	Toxaphene	
2,4-Dinitrotoluene	Chlordane	
Hexachlorobenzene	Heptachlor	
Hexachlorobutadiene	Heptachlor Epoxide	
Hexachloroethane		
Nitrobenzene	HERBICIDES: USEPA SW846 8151/1311	
Pentachlorophenol	2,4-D	
Pyridine	Silvex (2,4,5-TP)	
2,4,5-Trichlorophenol		
2,4,6-Trichlorophenol		

Approved By: CELESTINE
Title: Supervisor

CONSOLIDATED EDISON JAN. 24 2001
ENVIRONMENTAL, HEALTH & SAFETY
CHEMLAB ELAP# 10380

Lab Sequence Number: 01-00591-014 Date Reported: 01/24/01
E2MIS Incident Number: Date Analyzed:
E2MIS Sample Number: Date Received: 01/19/01
Date Sampled: 01/18/01
Submitter: ANGEL CHANG
Description: SOLID-DRUMS,3 AV YD
Facility: 511 THEODORE FREMD AVE

TSL Analyst: J.CHARLES
NOTE: THE SUBMITTER SHALL POST AND/OR PROVIDE THESE RESULTS TO ALL EMPLOYEES WORKING WITH OR IN THE VICINITY OF THIS SUBSTANCE. THIS REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT THE WRITTEN APPROVAL OF TSL. THIS REPORT RELATES ONLY TO THE ITEMS TESTED.

==========

*** TCLP Results Of Analysis ***

==========

Description: B-18S (A) DRUMS SAMPLE TYPE: SOLID
Location: THIRD AVE YD

METALS: USEPA SW846 6010/HG7471A/1311

ANALYTE	RESULTS	UNITS
Arsenic		
Barium		
Cadmium		
Chromium		
Lead	0.21	mg/L
Mercury		
Selenium		
Silver		

VOLATILES: USEPA SW846 8260/624/1311

ANALYTE	RESULTS	UNITS
Benzene		
Carbon Tetrachloride		
Chlorobenzene		
Chloroform		
1,2-Dichloroethane		
1,1-Dichloroethene		
Methyl Ethyl Ketone		
Tetrachloroethene		
Trichloroethene		
Vinyl Chloride		

SEMI-VOLATILES: USEPA SW846 8270C/1311

o-Cresol
m-Cresol
p-Cresol
1,4-Dichlorobenzene
2,4-Dinitrotoluene
Hexachlorobenzene
Hexachlorobutadiene

PESTICIDES: USEPA SW846 8081/1311

Endrin
Lindane
Methoxychlor
Toxaphene
Chlordane
Heptachlor
Heptachlor Epoxide

Hexachloroethane
Nitrobenzene
Pentachlorophenol
Pyridine
2,4,5-Trichlorophenol
2,4,6-Trichlorophenol

HERBICIDES: USEPA SW846 8151/1311
2,4-D
Silvex (2,4,5-TP)

Analyzed by: EcoTest Laboratories, Inc. ELAP# 10320

NOTE: Vacant fields indicate test not requested.

Approved By: CELESTINE
Title: Supervisor

CONSOLIDATED EDISON JAN. 24 2001
ENVIRONMENTAL, HEALTH & SAFETY
CHEMLAB ELAP# 10380

Lab Sequence Number: 01-00591-015 Date Reported: 01/24/01
E2MIS Incident Number: Date Analyzed:
E2MIS Sample Number: Date Received: 01/19/01
Date Sampled: 01/18/01
Submitter: ANGEL CHANG
Description: SOLID-DRUMS,3 AV YD
Facility: 511 THEODORE FREMD AVE

TSL Analyst: J.CHARLES
NOTE: THE SUBMITTER SHALL POST AND/OR PROVIDE THESE RESULTS TO ALL EMPLOYEES WORKING WITH OR IN THE VICINITY OF THIS SUBSTANCE. THIS REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT THE WRITTEN APPROVAL OF TSL. THIS REPORT RELATES ONLY TO THE ITEMS TESTED.

==========

*** TCLP Results Of Analysis ***

==========

Description: S GEOPROBE DRUM SAMPLE TYPE: SOLID
Location: THIRD AVE YD

METALS: USEPA SW846 6010/HG7471A/1311 VOLATILES: USEPA SW846 8260/624/1311

ANALYTE	RESULTS	UNITS	ANALYTE	RESULTS	UNITS
Arsenic			Benzene		
Barium			Carbon Tetrachloride		
Cadmium			Chlorobenzene		
Chromium			Chloroform		
Lead	1.9	mg/L	1,2-Dichloroethane		
Mercury			1,1-Dichloroethene		
Selenium			Methyl Ethyl Ketone		
Silver			Tetrachloroethene		
			Trichloroethene		

Vinyl Chloride

SEMI-VOLATILES: USEPA SW846 8270C/1311

o-Cresol
m-Cresol
p-Cresol
1,4-Dichlorobenzene
2,4-Dinitrotoluene
Hexachlorobenzene
Hexachlorobutadiene
Hexachloroethane
Nitrobenzene
Pentachlorophenol
Pyridine
2,4,5-Trichlorophenol
2,4,6-Trichlorophenol

PESTICIDES: USEPA SW846 8081/1311

Endrin
Lindane
Methoxychlor
Toxaphene
Chlordane
Heptachlor
Heptachlor Epoxide

HERBICIDES: USEPA SW846 8151/1311

2,4-D
Silvex (2,4,5-TP)

Analyzed by: EcoTest Laboratories, Inc. ELAP# 10320

NOTE: Vacant fields indicate test not requested.

Approved By: CELESTINE
Title: Supervisor

end$ /usr/labux/email/01-00591.001

Approved By: CELESTINE
Title: Supervisor

CONSOLIDATED EDISON JAN. 24 2001
ENVIRONMENTAL, HEALTH & SAFETY
CHEMLAB ELAP# 10380

Lab Sequence Number: 01-00591-014 Date Reported: 01/24/01
E2MIS Incident Number: Date Analyzed:
E2MIS Sample Number: Date Received: 01/19/01
Date Sampled: 01/18/01
Submitter: ANGEL CHANG
Description: SOLID-DRUMS,3 AV YD
Facility: 511 THEODORE FREMD AVE

TSL Analyst: J.CHARLES
NOTE: THE SUBMITTER SHALL POST AND/OR PROVIDE THESE RESULTS TO ALL EMPLOYEES WORKING WITH OR IN THE VICINITY OF THIS SUBSTANCE. THIS REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT THE WRITTEN APPROVAL OF TSL. THIS REPORT RELATES ONLY TO THE ITEMS TESTED.

==========

*** TCLP Results Of Analysis ***

==========

Description: B-18S (A) DRUMS SAMPLE TYPE: SOLID
Location: THIRD AVE YD

METALS: USEPA SW846 6010/HG7471A/1311 VOLATILES: USEPA SW846 8260/624/1311

ANALYTE	RESULTS	UNITS	ANALYTE	RESULTS	UNITS
Arsenic			Benzene		
Barium			Carbon Tetrachloride		
Cadmium			Chlorobenzene		
Chromium			Chloroform		
Lead	0.21	mg/L	1,2-Dichloroethane		
Mercury			1,1-Dichloroethene		
Selenium			Methyl Ethyl Ketone		
Silver			Tetrachloroethene		
			Trichloroethene		
			Vinyl Chloride		

SEMI-VOLATILES: USEPA SW846 8270C/1311 PESTICIDES: USEPA SW846 8081/1311

o-Cresol	Endrin
m-Cresol	Lindane
p-Cresol	Methoxychlor
1,4-Dichlorobenzene	Toxaphene
2,4-Dinitrotoluene	Chlordane
Hexachlorobenzene	Heptachlor
Hexachlorobutadiene	Heptachlor Epoxide

Hexachloroethane
Nitrobenzene
Pentachlorophenol
Pyridine
2,4,5-Trichlorophenol
2,4,6-Trichlorophenol

HERBICIDES: USEPA SW846 8151/1311
2,4-D
Silvex (2,4,5-TP)

Analyzed by: EcoTest Laboratories, Inc. ELAP# 10320

NOTE: Vacant fields indicate test not requested.

Approved By: CELESTINE
Title: Supervisor

CONSOLIDATED EDISON JAN. 24 2001
ENVIRONMENTAL, HEALTH & SAFETY
CHEMLAB ELAP# 10380

Lab Sequence Number: 01-00591-015 Date Reported: 01/24/01
E2MIS Incident Number: Date Analyzed:
E2MIS Sample Number: Date Received: 01/19/01
Date Sampled: 01/18/01
Submitter: ANGEL CHANG
Description: SOLID-DRUMS,3 AV YD
Facility: 511 THEODORE FREMD AVE

TSL Analyst: J.CHARLES
NOTE: THE SUBMITTER SHALL POST AND/OR PROVIDE THESE RESULTS TO ALL EMPLOYEES WORKING WITH OR IN THE VICINITY OF THIS SUBSTANCE. THIS REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT THE WRITTEN APPROVAL OF TSL. THIS REPORT RELATES ONLY TO THE ITEMS TESTED.

==========

*** TCLP Results Of Analysis ***

==========

Description: S GEOPROBE DRUM SAMPLE TYPE: SOLID
Location: THIRD AVE YD

METALS: USEPA SW846 6010/HG7471A/1311

ANALYTE	RESULTS	UNITS
Arsenic		
Barium		
Cadmium		
Chromium		
Lead	1.9	mg/L
Mercury		
Selenium		
Silver		

VOLATILES: USEPA SW846 8260/624/1311

ANALYTE	RESULTS	UNITS
Benzene		
Carbon Tetrachloride		
Chlorobenzene		
Chloroform		
1,2-Dichloroethane		
1,1-Dichloroethene		
Methyl Ethyl Ketone		
Tetrachloroethene		
Trichloroethene		

Vinyl Chloride

SEMI-VOLATILES: USEPA SW846 8270C/1311

o-Cresol
m-Cresol
p-Cresol
1,4-Dichlorobenzene
2,4-Dinitrotoluene
Hexachlorobenzene
Hexachlorobutadiene
Hexachloroethane
Nitrobenzene
Pentachlorophenol
Pyridine
2,4,5-Trichlorophenol
2,4,6-Trichlorophenol

PESTICIDES: USEPA SW846 8081/1311

Endrin
Lindane
Methoxychlor
Toxaphene
Chlordane
Heptachlor
Heptachlor Epoxide

HERBICIDES: USEPA SW846 8151/1311

2,4-D
Silvex (2,4,5-TP)

Analyzed by: EcoTest Laboratories, Inc. ELAP# 10320

NOTE: Vacant fields indicate test not requested.

Approved By: CELESTINE
Title: Supervisor

end$ /usr/labux/email/01-00591.001

Analyzed by: EcoTest Laboratories, Inc. ELAP# 10320

NOTE: Vacant fields indicate test not requested.

Approved By: CELESTINE
Title: Supervisor

CONSOLIDATED EDISON JAN. 24 2001
ENVIRONMENTAL, HEALTH & SAFETY
CHEMLAB ELAP# 10380

Lab Sequence Number: 01-00591-008 Date Reported: 01/24/01
E2MIS Incident Number: Date Analyzed:
E2MIS Sample Number: Date Received: 01/19/01
Date Sampled: 01/17/01
Submitter: ANGEL CHANG
Description: SOLID-DRUMS,3 AV YD
Facility: 511 THEODORE FREMD AVE

TSL Analyst: J.CHARLES
NOTE: THE SUBMITTER SHALL POST AND/OR PROVIDE THESE RESULTS TO ALL EMPLOYEES WORKING WITH OR IN THE VICINITY OF THIS SUBSTANCE. THIS REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT THE WRITTEN APPROVAL OF TSL. THIS REPORT RELATES ONLY TO THE ITEMS TESTED.

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*** TCLP Results Of Analysis ***

==========

Description: B-18S DRUMS SAMPLE TYPE: SOLID
Location: THIRD AVE YD

METALS: USEPA SW846 6010/HG7471A/1311			VOLATILES: USEPA SW846 8260/624/1311		
ANALYTE	RESULTS	UNITS	ANALYTE	RESULTS	UNITS
Arsenic			Benzene		
Barium			Carbon Tetrachloride		
Cadmium			Chlorobenzene		
Chromium			Chloroform		
Lead	<0.05	mg/L	1,2-Dichloroethane		
Mercury			1,1-Dichloroethene		
Selenium			Methyl Ethyl Ketone		
Silver			Tetrachloroethene		
			Trichloroethene		
			Vinyl Chloride		

SEMI-VOLATILES: USEPA SW846 8270C/1311	PESTICIDES: USEPA SW846 8081/1311
o-Cresol	Endrin
m-Cresol	Lindane
p-Cresol	Methoxychlor

1,4-Dichlorobenzene	Toxaphene
2,4-Dinitrotoluene	Chlordane
Hexachlorobenzene	Heptachlor
Hexachlorobutadiene	Heptachlor Epoxide
Hexachloroethane	
Nitrobenzene	HERBICIDES: USEPA SW846 8151/1311
Pentachlorophenol	2,4-D
Pyridine	Silvex (2,4,5-TP)
2,4,5-Trichlorophenol	
2,4,6-Trichlorophenol	

Analyzed by: EcoTest Laboratories, Inc. ELAP# 10320

NOTE: Vacant fields indicate test not requested.

Approved By: CELESTINE
Title: Supervisor

CONSOLIDATED EDISON JAN. 24 2001
ENVIRONMENTAL, HEALTH & SAFETY
CHEMLAB ELAP# 10380

Lab Sequence Number: 01-00591-009 Date Reported: 01/24/01
E2MIS Incident Number: Date Analyzed:
E2MIS Sample Number: Date Received: 01/19/01
Date Sampled: 01/17/01
Submitter: ANGEL CHANG
Description: SOLID-DRUMS,3 AV YD
Facility: 511 THEODORE FREMD AVE

TSL Analyst: J.CHARLES
NOTE: THE SUBMITTER SHALL POST AND/OR PROVIDE THESE RESULTS TO ALL EMPLOYEES WORKING WITH OR IN THE VICINITY OF THIS SUBSTANCE. THIS REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT THE WRITTEN APPROVAL OF TSL. THIS REPORT RELATES ONLY TO THE ITEMS TESTED.

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*** TCLP Results Of Analysis ***

==========

Description: N GEOPROBE DRUM SAMPLE TYPE: SOLID
Location: THIRD AVE YD

METALS: USEPA SW846 6010/HG7471A/1311 VOLATILES: USEPA SW846 8260/624/1311

ANALYTE	RESULTS	UNITS	ANALYTE	RESULTS	UNITS
Arsenic			Benzene		
Barium			Carbon Tetrachloride		
Cadmium			Chlorobenzene		
Chromium			Chloroform		
Lead	0.76	mg/L	1,2-Dichloroethane		

Mercury
Selenium
Silver

1,1-Dichloroethene
Methyl Ethyl Ketone
Tetrachloroethene
Trichloroethene
Vinyl Chloride

SEMI-VOLATILES: USEPA SW846 8270C/1311
o-Cresol
m-Cresol
p-Cresol
1,4-Dichlorobenzene
2,4-Dinitrotoluene
Hexachlorobenzene
Hexachlorobutadiene
Hexachloroethane
Nitrobenzene
Pentachlorophenol
Pyridine
2,4,5-Trichlorophenol
2,4,6-Trichlorophenol

PESTICIDES: USEPA SW846 8081/1311
Endrin
Lindane
Methoxychlor
Toxaphene
Chlordane
Heptachlor
Heptachlor Epoxide

HERBICIDES: USEPA SW846 8151/1311
2,4-D
Silvex (2,4,5-TP)

Analyzed by: EcoTest Laboratories, Inc. ELAP# 10320

NOTE: Vacant fields indicate test not requested.

Approved By: CELESTINE
Title: Supervisor

CONSOLIDATED EDISON JAN. 24 2001
ENVIRONMENTAL, HEALTH & SAFETY
CHEMLAB ELAP# 10380

Lab Sequence Number: 01-00591-010 Date Reported: 01/24/01
E2MIS Incident Number: Date Analyzed:
E2MIS Sample Number: Date Received: 01/19/01
Date Sampled: 01/18/01
Submitter: ANGEL CHANG
Description: SOLID-DRUMS,3 AV YD
Facility: 511 THEODORE FREMD AVE

TSL Analyst: J.CHARLES
NOTE: THE SUBMITTER SHALL POST AND/OR PROVIDE THESE RESULTS TO ALL EMPLOYEES WORKING WITH OR IN THE VICINITY OF THIS SUBSTANCE. THIS REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT THE WRITTEN APPROVAL OF TSL. THIS REPORT RELATES ONLY TO THE ITEMS TESTED.

==========

*** TCLP Results Of Analysis ***

==========

Description: B-20S DRUMS SAMPLE TYPE: SOLID
Location: THIRD AVE YD

METALS: USEPA SW846 6010/HG7471A/1311

ANALYTE	RESULTS	UNITS
Arsenic		
Barium		
Cadmium		
Chromium		
Lead	1.5	mg/L
Mercury		
Selenium		
Silver		

VOLATILES: USEPA SW846 8260/624/1311

ANALYTE	RESULTS	UNITS
Benzene		
Carbon Tetrachloride		
Chlorobenzene		
Chloroform		
1,2-Dichloroethane		
1,1-Dichloroethene		
Methyl Ethyl Ketone		
Tetrachloroethene		
Trichloroethene		
Vinyl Chloride		

SEMI-VOLATILES: USEPA SW846 8270C/1311

- o-Cresol
- m-Cresol
- p-Cresol
- 1,4-Dichlorobenzene
- 2,4-Dinitrotoluene
- Hexachlorobenzene
- Hexachlorobutadiene
- Hexachloroethane
- Nitrobenzene
- Pentachlorophenol
- Pyridine
- 2,4,5-Trichlorophenol
- 2,4,6-Trichlorophenol

PESTICIDES: USEPA SW846 8081/1311

- Endrin
- Lindane
- Methoxychlor
- Toxaphene
- Chlordane
- Heptachlor
- Heptachlor Epoxide

HERBICIDES: USEPA SW846 8151/1311

- 2,4-D
- Silvex (2,4,5-TP)

Analyzed by: EcoTest Laboratories, Inc. ELAP# 10320

NOTE: Vacant fields indicate test not requested.

Approved By: CELESTINE
Title: Supervisor

CONSOLIDATED EDISON JAN. 24 2001
ENVIRONMENTAL, HEALTH & SAFETY
CHEMLAB ELAP# 10380

Lab Sequence Number: 01-00591-011 Date Reported: 01/24/01
E2MIS Incident Number: Date Analyzed:
E2MIS Sample Number: Date Received: 01/19/01
Date Sampled: 01/18/01
Submitter: ANGEL CHANG
Description: SOLID-DRUMS,3 AV YD

Facility: 511 THEODORE FREMD AVE

TSL Analyst: J.CHARLES
NOTE: THE SUBMITTER SHALL POST AND/OR PROVIDE THESE RESULTS TO ALL EMPLOYEES WORKING WITH OR IN THE VICINITY OF THIS SUBSTANCE. THIS REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT THE WRITTEN APPROVAL OF TSL. THIS REPORT RELATES ONLY TO THE ITEMS TESTED.

==========

*** TCLP Results Of Analysis ***

==========

Description: B-11S DRUMS SAMPLE TYPE: SOLID
Location: THIRD AVE YD

METALS: USEPA SW846 6010/HG7471A/1311

ANALYTE	RESULTS	UNITS
Arsenic		
Barium		
Cadmium		
Chromium		
Lead	0.78	mg/L
Mercury		
Selenium		
Silver		

VOLATILES: USEPA SW846 8260/624/1311

ANALYTE	RESULTS	UNITS
Benzene		
Carbon Tetrachloride		
Chlorobenzene		
Chloroform		
1,2-Dichloroethane		
1,1-Dichloroethene		
Methyl Ethyl Ketone		
Tetrachloroethene		
Trichloroethene		
Vinyl Chloride		

SEMI-VOLATILES: USEPA SW846 8270C/1311

ANALYTE
o-Cresol
m-Cresol
p-Cresol
1,4-Dichlorobenzene
2,4-Dinitrotoluene
Hexachlorobenzene
Hexachlorobutadiene
Hexachloroethane
Nitrobenzene
Pentachlorophenol
Pyridine
2,4,5-Trichlorophenol
2,4,6-Trichlorophenol

PESTICIDES: USEPA SW846 8081/1311

ANALYTE
Endrin
Lindane
Methoxychlor
Toxaphene
Chlordane
Heptachlor
Heptachlor Epoxide

HERBICIDES: USEPA SW846 8151/1311

ANALYTE
2,4-D
Silvex (2,4,5-TP)

Analyzed by: EcoTest Laboratories, Inc. ELAP# 10320

NOTE: Vacant fields indicate test not requested.

Approved By: CELESTINE
Title: Supervisor

CONSOLIDATED EDISON JAN. 24 2001
ENVIRONMENTAL, HEALTH & SAFETY
CHEMLAB ELAP# 10380

Lab Sequence Number: 01-00591-012 Date Reported: 01/24/01
E2MIS Incident Number: Date Analyzed:
E2MIS Sample Number: Date Received: 01/19/01
Date Sampled: 01/18/01
Submitter: ANGEL CHANG
Description: SOLID-DRUMS,3 AV YD
Facility: 511 THEODORE FREMD AVE

TSL Analyst: J.CHARLES
NOTE: THE SUBMITTER SHALL POST AND/OR PROVIDE THESE RESULTS TO ALL EMPLOYEES WORKING WITH OR IN THE VICINITY OF THIS SUBSTANCE. THIS REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT THE WRITTEN APPROVAL OF TSL. THIS REPORT RELATES ONLY TO THE ITEMS TESTED.

==========

*** TCLP Results Of Analysis ***

==========

Description: B-13S DRUMS SAMPLE TYPE: SOLID
Location: THIRD AVE YD

METALS: USEPA SW846 6010/HG7471A/1311

ANALYTE	RESULTS	UNITS
Arsenic		
Barium		
Cadmium		
Chromium		
Lead	1.9	mg/L
Mercury		
Selenium		
Silver		

VOLATILES: USEPA SW846 8260/624/1311

ANALYTE	RESULTS	UNITS
Benzene		
Carbon Tetrachloride		
Chlorobenzene		
Chloroform		
1,2-Dichloroethane		
1,1-Dichloroethene		
Methyl Ethyl Ketone		
Tetrachloroethene		
Trichloroethene		
Vinyl Chloride		

SEMI-VOLATILES: USEPA SW846 8270C/1311

- o-Cresol
- m-Cresol
- p-Cresol
- 1,4-Dichlorobenzene
- 2,4-Dinitrotoluene
- Hexachlorobenzene
- Hexachlorobutadiene
- Hexachloroethane
- Nitrobenzene
- Pentachlorophenol
- Pyridine
- 2,4,5-Trichlorophenol
- 2,4,6-Trichlorophenol

PESTICIDES: USEPA SW846 8081/1311

- Endrin
- Lindane
- Methoxychlor
- Toxaphene
- Chlordane
- Heptachlor
- Heptachlor Epoxide

HERBICIDES: USEPA SW846 8151/1311

- 2,4-D
- Silvex (2,4,5-TP)

Analyzed by: EcoTest Laboratories, Inc. ELAP# 10320

NOTE: Vacant fields indicate test not requested.

Approved By: CELESTINE

Title: Supervisor

CONSOLIDATED EDISON JAN. 24 2001
ENVIRONMENTAL, HEALTH & SAFETY
CHEMLAB ELAP# 10380

end$ /***** put in by system *****/ 00002

From: <CHEMLIMS@tao.coned.com>
To: <CHANGA@CONED.COM>
Date: 1/24/01 3:35PM
Subject: By ANGEL CHANG 01-00591

CONSOLIDATED EDISON JAN. 24 2001
ENVIRONMENTAL, HEALTH & SAFETY
CHEMLAB ELAP# 10380

Lab Sequence Number: 01-00591-007 Date Reported: 01/24/01
E2MIS Incident Number: Date Analyzed:
E2MIS Sample Number: Date Received: 01/19/01
Date Sampled: 01/17/01
Submitter: ANGEL CHANG
Description: SOLID-DRUMS,3 AV YD
Facility: 511 THEODORE FREMD AVE

TSL Analyst: J.CHARLES
NOTE: THE SUBMITTER SHALL POST AND/OR PROVIDE THESE RESULTS TO ALL EMPLOYEES WORKING WITH OR IN THE VICINITY OF THIS SUBSTANCE. THIS REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT THE WRITTEN APPROVAL OF TSL. THIS REPORT RELATES ONLY TO THE ITEMS TESTED.

==========

*** TCLP Results Of Analysis ***

==========

Description: B-19S DRUMS SAMPLE TYPE: SOLID
Location: THIRD AVE YD

METALS: USEPA SW846 6010/HG7471A/1311

ANALYTE	RESULTS	UNITS
Arsenic		
Barium		
Cadmium		
Chromium		
Lead	0.093	mg/L
Mercury		
Selenium		
Silver		

VOLATILES: USEPA SW846 8260/624/1311

ANALYTE	RESULTS	UNITS
Benzene		
Carbon Tetrachloride		
Chlorobenzene		
Chloroform		
1,2-Dichloroethane		
1,1-Dichloroethene		
Methyl Ethyl Ketone		
Tetrachloroethene		
Trichloroethene		
Vinyl Chloride		

SEMI-VOLATILES: USEPA SW846 8270C/1311

o-Cresol
m-Cresol
p-Cresol
1,4-Dichlorobenzene
2,4-Dinitrotoluene
Hexachlorobenzene
Hexachlorobutadiene
Hexachloroethane
Nitrobenzene
Pentachlorophenol
Pyridine
2,4,5-Trichlorophenol
2,4,6-Trichlorophenol

PESTICIDES: USEPA SW846 8081/1311

Endrin
Lindane
Methoxychlor
Toxaphene
Chlordane
Heptachlor
Heptachlor Epoxide

HERBICIDES: USEPA SW846 8151/1311

2,4-D
Silvex (2,4,5-TP)

From: <CHEMLIMS@tao.coned.com>
To: <CHANGA@CONED.COM>
Date: 1/24/01 3:35PM
Subject: By ANGEL CHANG 01-00591

CONSOLIDATED EDISON JAN. 24 2001
ENVIRONMENTAL, HEALTH & SAFETY
CHEMLAB ELAP# 10380

Lab Sequence Number: 01-00591-001 Date Reported: 01/24/01
E2MIS Incident Number: Date Analyzed:
E2MIS Sample Number: Date Received: 01/19/01
Date Sampled: 01/17/01
Submitter: ANGEL CHANG
Description: SOLID-DRUMS,3 AV YD
Facility: 511 THEODORE FREMD AVE

TSL Analyst: J.CHARLES
NOTE: THE SUBMITTER SHALL POST AND/OR PROVIDE THESE RESULTS TO ALL EMPLOYEES WORKING WITH OR IN THE VICINITY OF THIS SUBSTANCE. THIS REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT THE WRITTEN APPROVAL OF TSL. THIS REPORT RELATES ONLY TO THE ITEMS TESTED.

==========

*** TCLP Results Of Analysis ***

==========

Description: B-2N DRUMS SAMPLE TYPE: SOLID
Location: THIRD AVE YD

METALS: USEPA SW846 6010/HG7471A/1311 VOLATILES: USEPA SW846 8260/624/1311

ANALYTE	RESULTS	UNITS	ANALYTE	RESULTS	UNITS
Arsenic			Benzene		
Barium			Carbon Tetrachloride		
Cadmium			Chlorobenzene		
Chromium			Chloroform		
Lead	1.1	mg/L	1,2-Dichloroethane		
Mercury			1,1-Dichloroethene		
Selenium			Methyl Ethyl Ketone		
Silver			Tetrachloroethene		
			Trichloroethene		
			Vinyl Chloride		

SEMI-VOLATILES: USEPA SW846 8270C/1311 PESTICIDES: USEPA SW846 8081/1311

o-Cresol	Endrin	
m-Cresol	Lindane	
p-Cresol	Methoxychlor	
1,4-Dichlorobenzene	Toxaphene	
2,4-Dinitrotoluene	Chlordane	
Hexachlorobenzene	Heptachlor	
Hexachlorobutadiene	Heptachlor Epoxide	
Hexachloroethane		
Nitrobenzene	HERBICIDES: USEPA SW846 8151/1311	
Pentachlorophenol	2,4-D	
Pyridine	Silvex (2,4,5-TP)	
2,4,5-Trichlorophenol		
2,4,6-Trichlorophenol		

Analyzed by: EcoTest Laboratories, Inc. ELAP# 10320

NOTE: Vacant fields indicate test not requested.

Approved By: CELESTINE
Title: Supervisor

CONSOLIDATED EDISON JAN. 24 2001
ENVIRONMENTAL, HEALTH & SAFETY
CHEMLAB ELAP# 10380

Lab Sequence Number: 01-00591-002 Date Reported: 01/24/01
E2MIS Incident Number: Date Analyzed:
E2MIS Sample Number: Date Received: 01/19/01
Date Sampled: 01/17/01
Submitter: ANGEL CHANG
Description: SOLID-DRUMS,3 AV YD
Facility: 511 THEODORE FREMD AVE

TSL Analyst: J.CHARLES
NOTE: THE SUBMITTER SHALL POST AND/OR PROVIDE THESE RESULTS TO ALL EMPLOYEES WORKING WITH OR IN THE VICINITY OF THIS SUBSTANCE. THIS REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT THE WRITTEN APPROVAL OF TSL. THIS REPORT RELATES ONLY TO THE ITEMS TESTED.

==========

*** TCLP Results Of Analysis ***

==========

Description: B-3N DRUMS SAMPLE TYPE: SOLID
Location: THIRD AVE YD

METALS: USEPA SW846 6010/HG7471A/1311

ANALYTE	RESULTS	UNITS
Arsenic		
Barium		
Cadmium		
Chromium		
Lead	0.86	mg/L
Mercury		
Selenium		
Silver		

VOLATILES: USEPA SW846 8260/624/1311

ANALYTE	RESULTS	UNITS
Benzene		
Carbon Tetrachloride		
Chlorobenzene		
Chloroform		
1,2-Dichloroethane		
1,1-Dichloroethene		
Methyl Ethyl Ketone		
Tetrachloroethene		
Trichloroethene		
Vinyl Chloride		

SEMI-VOLATILES: USEPA SW846 8270C/1311

o-Cresol
m-Cresol
p-Cresol
1,4-Dichlorobenzene

PESTICIDES: USEPA SW846 8081/1311

Endrin
Lindane
Methoxychlor
Toxaphene

2,4-Dinitrotoluene	Chlordane
Hexachlorobenzene	Heptachlor
Hexachlorobutadiene	Heptachlor Epoxide
Hexachloroethane	
Nitrobenzene	HERBICIDES: USEPA SW846 8151/1311
Pentachlorophenol	2,4-D
Pyridine	Silvex (2,4,5-TP)
2,4,5-Trichlorophenol	
2,4,6-Trichlorophenol	

Analyzed by: EcoTest Laboratories, Inc. ELAP# 10320

NOTE: Vacant fields indicate test not requested.

Approved By: CELESTINE
Title: Supervisor

CONSOLIDATED EDISON JAN. 24 2001
ENVIRONMENTAL, HEALTH & SAFETY
CHEMLAB ELAP# 10380

Lab Sequence Number: 01-00591-003 Date Reported: 01/24/01
E2MIS Incident Number: Date Analyzed:
E2MIS Sample Number: Date Received: 01/19/01
Date Sampled: 01/17/01
Submitter: ANGEL CHANG
Description: SOLID-DRUMS,3 AV YD
Facility: 511 THEODORE FREMD AVE

TSL Analyst: J.CHARLES
NOTE: THE SUBMITTER SHALL POST AND/OR PROVIDE THESE RESULTS TO ALL EMPLOYEES WORKING WITH OR IN THE VICINITY OF THIS SUBSTANCE. THIS REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT THE WRITTEN APPROVAL OF TSL. THIS REPORT RELATES ONLY TO THE ITEMS TESTED.

==========

*** TCLP Results Of Analysis ***

==========

Description: B-1N DRUMS SAMPLE TYPE: SOLID
Location: THIRD AVE YD

METALS: USEPA SW846 6010/HG7471A/1311 VOLATILES: USEPA SW846 8260/624/1311

ANALYTE	RESULTS	UNITS	ANALYTE	RESULTS	UNITS
Arsenic			Benzene		
Barium			Carbon Tetrachloride		
Cadmium			Chlorobenzene		
Chromium			Chloroform		
Lead	0.80	mg/L	1,2-Dichloroethane		
Mercury			1,1-Dichloroethene		

Selenium
Silver

Methyl Ethyl Ketone
Tetrachloroethene
Trichloroethene
Vinyl Chloride

SEMI-VOLATILES: USEPA SW846 8270C/1311
o-Cresol
m-Cresol
p-Cresol
1,4-Dichlorobenzene
2,4-Dinitrotoluene
Hexachlorobenzene
Hexachlorobutadiene
Hexachloroethane
Nitrobenzene
Pentachlorophenol
Pyridine
2,4,5-Trichlorophenol
2,4,6-Trichlorophenol

PESTICIDES: USEPA SW846 8081/1311
Endrin
Lindane
Methoxychlor
Toxaphene
Chlordane
Heptachlor
Heptachlor Epoxide

HERBICIDES: USEPA SW846 8151/1311
2,4-D
Silvex (2,4,5-TP)

Analyzed by: EcoTest Laboratories, Inc. ELAP# 10320

NOTE: Vacant fields indicate test not requested.

Approved By: CELESTINE
Title: Supervisor

CONSOLIDATED EDISON JAN. 24 2001
ENVIRONMENTAL, HEALTH & SAFETY
CHEMLAB ELAP# 10380

Lab Sequence Number: 01-00591-004 Date Reported: 01/24/01
E2MIS Incident Number: Date Analyzed:
E2MIS Sample Number: Date Received: 01/19/01
Date Sampled: 01/17/01
Submitter: ANGEL CHANG
Description: SOLID-DRUMS,3 AV YD
Facility: 511 THEODORE FREMD AVE

TSL Analyst: J.CHARLES
NOTE: THE SUBMITTER SHALL POST AND/OR PROVIDE THESE RESULTS TO ALL EMPLOYEES WORKING WITH OR IN THE VICINITY OF THIS SUBSTANCE. THIS REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT THE WRITTEN APPROVAL OF TSL. THIS REPORT RELATES ONLY TO THE ITEMS TESTED.

==========

*** TCLP Results Of Analysis ***

==========

Description: B-14S DRUMS SAMPLE TYPE: SOLID

Location: THIRD AVE YD

METALS: USEPA SW846 6010/HG7471A/1311

ANALYTE	RESULTS	UNITS
Arsenic		
Barium		
Cadmium		
Chromium		
Lead	0.39	mg/L
Mercury		
Selenium		
Silver		

VOLATILES: USEPA SW846 8260/624/1311

ANALYTE	RESULTS	UNITS
Benzene		
Carbon Tetrachloride		
Chlorobenzene		
Chloroform		
1,2-Dichloroethane		
1,1-Dichloroethene		
Methyl Ethyl Ketone		
Tetrachloroethene		
Trichloroethene		
Vinyl Chloride		

SEMI-VOLATILES: USEPA SW846 8270C/1311

o-Cresol
m-Cresol
p-Cresol
1,4-Dichlorobenzene
2,4-Dinitrotoluene
Hexachlorobenzene
Hexachlorobutadiene
Hexachloroethane
Nitrobenzene
Pentachlorophenol
Pyridine
2,4,5-Trichlorophenol
2,4,6-Trichlorophenol

PESTICIDES: USEPA SW846 8081/1311

Endrin
Lindane
Methoxychlor
Toxaphene
Chlordane
Heptachlor
Heptachlor Epoxide

HERBICIDES: USEPA SW846 8151/1311

2,4-D
Silvex (2,4,5-TP)

Analyzed by: EcoTest Laboratories, Inc. ELAP# 10320

NOTE: Vacant fields indicate test not requested.

Approved By: CELESTINE
Title: Supervisor

CONSOLIDATED EDISON JAN. 24 2001
ENVIRONMENTAL, HEALTH & SAFETY
CHEMLAB ELAP# 10380

Lab Sequence Number: 01-00591-005 Date Reported: 01/24/01
E2MIS Incident Number: Date Analyzed:
E2MIS Sample Number: Date Received: 01/19/01
Date Sampled: 01/17/01
Submitter: ANGEL CHANG
Description: SOLID-DRUMS,3 AV YD
Facility: 511 THEODORE FREMD AVE

TSL Analyst: J.CHARLES
NOTE: THE SUBMITTER SHALL POST AND/OR PROVIDE THESE RESULTS TO ALL EMPLOYEES WORKING WITH OR IN THE VICINITY OF THIS SUBSTANCE. THIS REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT THE WRITTEN APPROVAL OF TSL. THIS REPORT RELATES ONLY TO THE ITEMS TESTED.

==========

*** TCLP Results Of Analysis ***

==========

Description: B-4N DRUMS SAMPLE TYPE: SOLID
Location: THIRD AVE YD

METALS: USEPA SW846 6010/HG7471A/1311

ANALYTE	RESULTS	UNITS
Arsenic		
Barium		
Cadmium		
Chromium		
Lead	0.40	mg/L
Mercury		
Selenium		
Silver		

VOLATILES: USEPA SW846 8260/624/1311

ANALYTE	RESULTS	UNITS
Benzene		
Carbon Tetrachloride		
Chlorobenzene		
Chloroform		
1,2-Dichloroethane		
1,1-Dichloroethene		
Methyl Ethyl Ketone		
Tetrachloroethene		
Trichloroethene		
Vinyl Chloride		

SEMI-VOLATILES: USEPA SW846 8270C/1311

o-Cresol	
m-Cresol	
p-Cresol	
1,4-Dichlorobenzene	
2,4-Dinitrotoluene	
Hexachlorobenzene	
Hexachlorobutadiene	
Hexachloroethane	
Nitrobenzene	
Pentachlorophenol	
Pyridine	
2,4,5-Trichlorophenol	
2,4,6-Trichlorophenol	

PESTICIDES: USEPA SW846 8081/1311

Endrin	
Lindane	
Methoxychlor	
Toxaphene	
Chlordane	
Heptachlor	
Heptachlor Epoxide	

HERBICIDES: USEPA SW846 8151/1311

2,4-D	
Silvex (2,4,5-TP)	

Analyzed by: EcoTest Laboratories, Inc. ELAP# 10320

NOTE: Vacant fields indicate test not requested.

Approved By: CELESTINE
Title: Supervisor

ENVIRONMENTAL, HEALTH & SAFETY
CHEMLAB ELAP# 10380

Lab Sequence Number: 01-00591-006 Date Reported: 01/24/01
E2MIS Incident Number: Date Analyzed:
E2MIS Sample Number: Date Received: 01/19/01
Date Sampled: 01/17/01
Submitter: ANGEL CHANG
Description: SOLID-DRUMS,3 AV YD
Facility: 511 THEODORE FREMD AVE

TSL Analyst: J.CHARLES
NOTE: THE SUBMITTER SHALL POST AND/OR PROVIDE THESE RESULTS TO ALL EMPLOYEES WORKING WITH OR IN THE VICINITY OF THIS SUBSTANCE. THIS REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT THE WRITTEN APPROVAL OF TSL. THIS REPORT RELATES ONLY TO THE ITEMS TESTED.

==========

*** TCLP Results Of Analysis ***

==========

Description: B-5N DRUMS SAMPLE TYPE: SOLID
Location: THIRD AVE YD

METALS: USEPA SW846 6010/HG7471A/1311

ANALYTE	RESULTS	UNITS
Arsenic		
Barium		
Cadmium		
Chromium		
Lead	3.5	mg/L
Mercury		
Selenium		
Silver		

VOLATILES: USEPA SW846 8260/624/1311

ANALYTE	RESULTS	UNITS
Benzene		
Carbon Tetrachloride		
Chlorobenzene		
Chloroform		
1,2-Dichloroethane		
1,1-Dichloroethene		
Methyl Ethyl Ketone		
Tetrachloroethene		
Trichloroethene		
Vinyl Chloride		

SEMI-VOLATILES: USEPA SW846 8270C/1311
o-Cresol
m-Cresol
p-Cresol
1,4-Dichlorobenzene
2,4-Dinitrotoluene
Hexachlorobenzene
Hexachlorobutadiene
Hexachloroethane
Nitrobenzene
Pentachlorophenol
Pyridine
2,4,5-Trichlorophenol
2,4,6-Trichlorophenol

PESTICIDES: USEPA SW846 8081/1311
Endrin
Lindane
Methoxychlor
Toxaphene
Chlordane
Heptachlor
Heptachlor Epoxide

HERBICIDES: USEPA SW846 8151/1311
2,4-D
Silvex (2,4,5-TP)

Analyzed by: EcoTest Laboratories, Inc. ELAP# 10320

NOTE: Vacant fields indicate test not requested.

Approved By: CELESTINE
Title: Supervisor

```
end$ /*****  put in by system *****/    00001
```

From: <CHEMLIMS@tao.coned.com>
To: <CHANGA@CONED.COM>
Date: 1/24/01 3:35PM
Subject: By ANGEL CHANG 01-00591

Lab Sequence Number: 01-00591-013 Date Reported: 01/24/01
E2MIS Incident Number: Date Analyzed:
E2MIS Sample Number: Date Received: 01/19/01
Date Sampled: 01/18/01
Submitter: ANGEL CHANG
Description: SOLID-DRUMS,3 AV YD
Facility: 511 THEODORE FREMD AVE

TSL Analyst: J.CHARLES
NOTE: THE SUBMITTER SHALL POST AND/OR PROVIDE THESE RESULTS TO ALL EMPLOYEES WORKING WITH OR IN THE VICINITY OF THIS SUBSTANCE. THIS REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT THE WRITTEN APPROVAL OF TSL. THIS REPORT RELATES ONLY TO THE ITEMS TESTED.

==========

*** TCLP Results Of Analysis ***

==========

Description: B-12S DRUMS SAMPLE TYPE: SOLID
Location: THIRD AVE YD

METALS: USEPA SW846 6010/HG7471A/1311

ANALYTE	RESULTS	UNITS
Arsenic		
Barium		
Cadmium		
Chromium		
Lead	0.44	mg/L
Mercury		
Selenium		
Silver		

VOLATILES: USEPA SW846 8260/624/1311

ANALYTE	RESULTS	UNITS
Benzene		
Carbon Tetrachloride		
Chlorobenzene		
Chloroform		
1,2-Dichloroethane		
1,1-Dichloroethene		
Methyl Ethyl Ketone		
Tetrachloroethene		
Trichloroethene		
Vinyl Chloride		

SEMI-VOLATILES: USEPA SW846 8270C/1311

o-Cresol	
m-Cresol	
p-Cresol	
1,4-Dichlorobenzene	
2,4-Dinitrotoluene	
Hexachlorobenzene	
Hexachlorobutadiene	
Hexachloroethane	
Nitrobenzene	
Pentachlorophenol	
Pyridine	
2,4,5-Trichlorophenol	
2,4,6-Trichlorophenol	

PESTICIDES: USEPA SW846 8081/1311

Endrin	
Lindane	
Methoxychlor	
Toxaphene	
Chlordane	
Heptachlor	
Heptachlor Epoxide	

HERBICIDES: USEPA SW846 8151/1311

2,4-D	
Silvex (2,4,5-TP)	

Analyzed by: EcoTest Laboratories, Inc. ELAP# 10320

NOTE: Vacant fields indicate test not requested.

Environmental Testing Laboratories, Inc.
208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

02/23/2001

Lead, Total

Sample: K2599-13
Client Sample ID: MW-4N
Matrix: Liquid
Remarks:
Analyzed Date: 02/19/2001

Collected: 02/08/2001 17:20
Type: Grab

Cas No	Analyte	MDL	Concentration	Units	Q
7439-92-1	Lead	13.0	542000	ppb	

Sample: K2599-15
Client Sample ID: 3rd Avenue Yard Drums
Matrix: Liquid
Remarks:
Analyzed Date: 02/14/2001

Collected: 02/08/2001 18:00
Type: Composite

Cas No	Analyte	MDL	Concentration	Units	Q
7439-92-1	Lead	1.44	10.1	ppb	

Environmental Testing Laboratories, Inc.
208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

02/23/2001

Flash Point - Ignitability

Sample: K2599-15 Collected: 02/08/2001 18:00
Client Sample ID: 3rd Avenue Yard Drums
Matrix: Liquid Type: Composite
Remarks:
Analyzed Date: 02/20/2001

Cas No	Analyte	MDL	Result	Units	Q
	Flash Point	1.00	>100	deg C	

Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

02/20/2001

Custody Document: K2603

Received: 02/09/2001 14:15
Sampled by: N/A

Client: Con Edison-Accounts Payable (18200)

PO Box 799, Cooper Station
New York,
NY 10276

E-MAILED
2/21/01

Project: Con Ed

31-01 20th Avenue
Astoria,
NY
Area: Third Avenue Yard

Manager: Angel Chang

Respectfully submitted,

Patricia Werner
Quality Assurance Officer

NYS Lab ID # 10969
NJ Cert. # 73812
CT Cert. # PH0645
MA Cert. # NY061
PA Cert. # 68-535
VA Cert. # 108
NH Cert. # 252592-BA
RI Cert. # 161

Post-it® Fax Note 7671 | Date 2/20 | # of pages ▶ 4

To EDS	From
Co./Dept.	Co.
Phone #	Phone #
Fax #	Fax #

Environmental Testing Laboratories, Inc.
208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

Lead, Total

02/20/2001

Sample: K2603-1

Client Sample ID: 01-01394-001 Third Avenue Yard Drum
Matrix: Liquid Type: Grab
Remarks:
Analyzed Date: 02/14/2001

Collected: 02/08/2001 18:15

Cas No	Analyte	MDL	Concentration	Units	Q
7439-92-1	Lead	1.44	645	ppb	

Environmental Testing Laboratories, Inc.
208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

02/20/2001

Flash Point - Ignitability

Sample: K2603-1
Client Sample ID: 01-01394-001 Third Avenue Yard Drum (MW-4N) Collected: 02/08/2001 18:15
Matrix: Liquid Type: Grab
Remarks:
Analyzed Date: 02/20/2001

Cas No	Analyte	MDL	Result	Units	Q
	Flash Point	1.00	>100	deg C	

Environmental Testing Laboratories, Inc.
208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

02/20/2001

ORGANIC METHOD QUALIFIERS

Q - Qualifier - specified entries and their meanings are as follows:

U - The analytical result is a non-detect.

J - Indicates an estimated value. The concentration reported was detected below the Method Detection Limit.

B - The analyte was found in the associated method blank as well as the sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action.

E - The concentration of the analyte exceeded the calibration range of the instrument.

D - This flag identifies all compounds identified in an analysis at a secondary dilution.

INORGANIC METHOD QUALIFIERS

C - (Concentration) qualifiers are as follows:

B - Entered if the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Instrument Detection Limit (IDL).

U - Entered when the analyte was analyzed for, but not detected.

J - Indicates an estimated value. The concentration reported was detected below the Method Detection Limit.

Q - Qualifier specific entries and their meanings are as follows:

E - Reported value is estimated because of the presence of interferences.

M - (Method) qualifiers are as follows:

A - Flame AA

AS - Semi-automated Spectrophotometric

AV - Automated Cold Vapor AA

C - Manual Spectrophotometric

F - Furnace AA

NR - when the analyte is not required to be analyzed.

P - ICP

T - Titrimetric

ETL wo# R-2311

EH&S ChemLab
Chain-of-Custody/Request for Analysis

Consolidated Edison (Bldg. 138)
31-01 20th Avenue, L.I.C., NY 11105

Tel: (718) 204-4124
Fax: (718) 956-8058

Chain-of-Custody ID #: **AA30911**

LSN: (Lab Use Only) 01-01394

e²MIS Incident #: Pg 1 of 2

Borough: MH ☐, BK ☒, QN ☐, BX ☐, WE ☐, SI ☐

Sample Site: Third Ave Yard

Requested By: Angel Chang — Employee #: 84217 — Telephone #: (718) 204 4151 — Account #: C 7982

Organization: (*Check Box Below) — Dept. 24-hour Tel. #: ( )

E-mail Notification: — Customer's ID #:

Sampled By: B. Bline / E. Caprasso / Jacques Whitford — Employee #: Vendor — Asbestos License #:

Priority: E (within 8 hours) — A (within 24 hours) — **B (within 7 days)** (circled)

An 'E' or 'A' priority requires an e²MIS Incident # or an operational necessity justification:

Preservation Information:
Temp Blank: Yes ___ No X °C ___
Preserved with
Comments: BATCH ONLY

SAMPLE INFO — TYPE: G-Grab; C-Composite; B-Blank; D-Duplicate; S-Split; SP-Spike
MATRIX: BL-Bluestone; L-Liquid; S-Solid; O-Oil; W-Water; WO-Water & Oil; SO-Soil; SL-Sludge; WI-Wipe; A-Air; GC-Gas Cond

(5) Analysis (Test) required — include method number if applicable

Collected (3) Date	Time	Sample Location / Description	VLT/MH/POLE # EQUIP. SERIAL #	(4) Sample Matrix	Sample Type	Total # of samples	Total # of containers	OIL ID	PCB	[redacted] VOC 8021	[redacted] SVOC 8270	TCLP METALS	TCLP BENZENE	TCLP FULL MINUS PEST & HERB	BTEX	OIL & GREASE	TSS	GAS-IN-OIL	TOTAL BENZENE	ASBESTOS	DIELECTRIC	TOTAL HALOGENS	TPH	IGNITABILITY	REACTIVITY (FLASH POINT)	TOTAL LEAD	If SPDES sample, check box	e²MIS Sample ID # (Not Incident #)
2/7/01	1530	MW-11S		W	G	1	3			✓																✓		(-001)
2/7/01	1640	MW-12S		W	G	1	3			✓																✓		-002
2/7/01	1750	MW-14S		W	G	1	3			✓																✓		-003
2/7/01	1850	MW-13S		W	G	1	3			✓																✓		-004
2/8/01	1030	MW-6N		W	G	1	4			✓	✓															✓		-005
2/8/01	1240	MW-3N		W	G	1	4			✓	✓															✓		-006
2/8/01	1320	MW-20S		W	G	1	3			✓																✓		-007
2/8/01	1345	MW-5N		W	G	1	4			✓	✓															✓		(-008)

Stamp: 2001 FEB 8 … CHEMICAL RECEIVED

Comments / Special Instructions / Additional E-Mail Notifications: SEND OUT TO ETL NYSDEC STARS LIST for 8021 and 8270, INCLUDE MTBE

Central Services: ☒ Environment, Health & Safety ☐ Transportation & Stores ☐ Research & Development ☐ Facilities & Office Services

Electric Operations: ☐ Customer Services ☐ Distribution Engineering ☐ Manhattan ☐ Bronx & Westchester ☐ Staten Island ☐ Brooklyn & Queens

☐ Customer Operations

Central Operations: ☐ System & Transmission Operations ☐ Maintenance Services ☐ Energy Management ☐ Substation Operations ☐ Steam Operations

Nuclear Operations: ☐ Nuclear Power ☐ Nuclear Engineering

☐ Public Affairs

☐ Gas Ops ☐ Law ☐ Auditing

Relinquished by (Sampler): (Signature)	Date / Time	Received by (Signature)	Date / Time	Relinquished by (Signature)	Date / Time	Received by (Signature)	Date / Time
E Caprasso	Date 2-8-01 Time 1924	[signature]	Date 2/8 Time 1922	J Ballew	Date 2/9 Time 0947		Date Time
Relinquished by (Signature):	Date Time	Received by (Signature):	Date Time	Relinquished by (Signature):	Date Time	Received by (Signature):	Date Time
Relinquished by (Signature):	Date Time	Received by (Signature):	Date Time	Relinquished by (Signature):	Date Time	Received by (Signature):	Date Time

LABORATORY COPY

.TL COC # K-2549 Sample 4N not enough for ignitability 2?

EH&S ChemLab
Chain-of-Custody/Request for Analysis

Consolidated Edison (Bldg. 138)
31-01 20th Avenue, L.I.C., NY 11105

Tel: (718) 204-4124
Fax: (718) 956-8058

LABORATORY COPY

(1) Chain-of-Custody ID #: **AA30912**

Pg 2 of 2

LSN: (Lab Use Only) 01-01394 e² MIS Incident #:

Borough: MH ☐, BK ☒, QN ☐, BX ☐, WE ☐, SI ☐

Sample Site: THIRD AVE YARD Account #: C7982

Requested By: ANGEL CHANG Employee #: 84217 Telephone #: (718) 204 4151 Dept. 24-hour Tel. #: (____)

E-mail Notification: Organization: (*Check Box Below) Customer's ID #:

Sampled By: B. Bline, E. Capasso / JWC Employee #: VENDOR Asbestos License #:

(2) Priority: E (within 8 hours) A (within 24 hours) (B (within 7 days)) — circled

An 'E' or 'A' priority requires an e²MIS Incident # or an operational necessity justification:

Preservation Information: 2/9 Angel called for more sample for MW 4N (if possible) for Flash Point
Temp Blank: Yes 2.15; No
Preserved with
Comments:

BATCH ONLY

SAMPLE INFO — TYPE: G-Grab; C-Composite; B-Blank; D-Duplicate; S-Split; SP-Spike
MATRIX: BL-Bluestone; L-Liquid; S-Solid; O-Oil; W-Water; WO-Water & Oil; SO-Soil; SL-Sludge; WI-Wipe; A-Air; GC-GasCond

(5) Analysis (Test) required — include method number if applicable: Total # of samples; Total # of containers; OIL ID; PCB; VOC (8021); SVOC (8270); TCLP METALS; TCLP BENZENE; TCLP FULL MINUS PEST & HERB; BTEX; OIL & GREASE; TSS; GAS-IN-OIL; TOTAL BENZENE; ASBESTOS; DIELECTRIC; TOTAL HALOGENS; TPH; IGNITABILITY (FLASH POINT); REACTIVITY; TOTAL LEAD / PRODUCT ID; If SPDES sample, check box

Date (3)	Time	Sample Location / Description	VLT/MH/POLE # EQUIP. SERIAL #	Sample Matrix (4)	Sample Type	Total # of samples	Total # of containers	Analyses marked	e²MIS Sample ID # (Not Incident #)
2/8/01	1455	MW-18S		W	G	1	3	✓	-009
2/8/01	1605	MW-2N		W	G	1	4	✓ ✓	-010
2/8/01	1635	MW-19S		W	G	1	3	✓	-011
2/8/01	1715	MW-1N		W	G	1	4	✓ ✓	-012
2/8/01	1720	(MW-4N) Reactivity, ID & Total lead		WO	G	1	1	→ NOT Enough for FP; ✓ ✓ ✓	-013
2/8/01									-014
2/7/01		TRIP BLANK		W	G	1	1	✓	-015
2/8/01	1800	3rd Ave Yard Drums		W	C	1	2	✓ ✓	-015
2/8/01	1815	3rd Ave YARD Drum		W	G	1	2	✓ ✓	-016

CHEMICAL SEC. RECEIVED 2001 FEB -8 P 7:22

Comments / Special Instructions / Additional E-Mail Notifications: SEND OUT TO ETL NYSDEC STARS LIST for 8021 and 8270, INCLUDE MTBE

Central Services: ☒ Environment, Health & Safety ☐ Transportation & Stores ☐ Research & Development ☐ Facilities & Office Services

Electric Operations: ☐ Customer Services ☐ Distribution Engineering ☐ Manhattan ☐ Bronx & Westchester ☐ Staten Island ☐ Brooklyn & Queens ☐ Customer Operations

Central Operations: ☐ System & Transmission Operations ☐ Maintenance Services ☐ Energy Management ☐ Substation Operations ☐ Steam Operations

Nuclear Operations: ☐ Nuclear Power ☐ Nuclear Engineering ☐ Public Affairs

☐ Gas Ops ☐ Law ☐ Auditing

(6)

Relinquished by (Sampler): (Signature)	Date / Time	Received by (Signature)	Date / Time	Relinquished by (Signature)	Date / Time	Received by (Signature)	Date / Time
Eleanor Capasso	2-8-01 / 1921	[signature]	2/8 / 19:12	[signature]	2/9 / 0947		
Relinquished by (Signature):	Date / Time	Received by (Signature):	Date / Time	Relinquished by (Signature):	Date / Time	Received by (Signature):	Date / Time
Relinquished by (Signature):	Date / Time	Received by (Signature):	Date / Time	Relinquished by (Signature):	Date / Time	Received by (Signature):	Date / Time

EH & S ChemLab (Rev. 5/00)

info@jacqueswhitford.com
www.jacqueswhitford.com

Copy / ext mail To Peter Randazzo V. (John English) sent Feb 2

Con Edison
Consolidated Edison Company of New York, Inc.
31-01 20th Avenue, L.I.C., New York 11105-2048

June 1, 2001

HAND DELIVERED

Ms. Kerry Foley
Engineering Geologist
New York State Department of Environmental Conservation
Division of Environmental Remediation, Region 2
Spill Prevention and Response
Hunters Point Plaza
47-40 21st Street
Long Island City, New York 11101

RECEIVED
JUN - 1 2001
NYS DEC REGION 2
ENVIRONMENTAL REMEDIATION

RE: Third Avenue Yard
222 First Street
Brooklyn, New York
Site Characterization Report – Spill Nos. 9695014, 9608854 and 9808009

Dear Ms. Foley:

Enclosed please find the Site Characterization Report for the Third Avenue Yard. The conclusions in the Jacques Whitford Company's report are based in part on the analysis and interpretation of site investigation reports on the Mendon Truck Leasing Facility prepared by Mendon's consultant, Liro-Kassner, Inc. These reports are on file with the DEC.

If you have any questions please contact Mr. Angel Chang at (718) 204-4151.

Very truly yours,

Neale R. Bedrock
Director, Remediation & Support Services
Environment, Health & Safety

Enclosure.

CC778

No response yet from DEC / Got response on Feb 13
See recommendation
+ Monthly gauging
+ quarterly GW sampling
– Corrective Action Plan to be developed!
+ VEFR