Prepared for:
Consolidated Edison of New York
New York

Remedial Investigation Addendum Former Pemart Avenue Works Manufactured Gas Plant (MGP) and Electric Generating Plant (EGP) NYSDEC VCA Site No. V00566

ENSR Corporation
March 2008
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Contents

1.0 Introduction 1-1

1.1 Project Background 1-1

1.2 Objectives of Sediment Investigation 1-1

1.3 Report Outline 1-2

2.0 Sediment Investigation Scope of Work 2-1

2.1 Utility Clearance 2-1

2.2 Community Air Monitoring 2-1

2.3 Sediment Core Advancement 2-1

2.4 Sediment Sampling 2-2

2.5 Sediment Sample Location Survey 2-3

2.6 Sample Analysis 2-3

2.7 Waste Management 2-3

3.0 Field Investigation Results 3-1

3.1 Upland Geology 3-1

3.2 Sediment Geology 3-2

3.2.1 Upper Silt 3-2

3.2.2 Silt 3-2

3.2.3 Sand Lenses 3-2

3.2.4 Peat and Silt/Clay 3-2

3.3 Remnant MGP and Post MGP Structures Within the River 3-3

3.4 Limits of Observed Impacts 3-3

3.5 Summary of Field Observations 3-4

4.0 Analytical Results 4-1

4.1 Sediment Sample Analytical Results 4-1

4.1.1 pH 4-1

4.1.2 Organic Compounds 4-1

4.2 Data Usability Summary 4-3

4.3 Physical Parameter Results 4-3

4.4 Sediment Analytical Results Summary 4-3

5.0 Exposure Assessment 5-1

5.1 Potentially Exposed Populations 5-1

5.2 Exposure Pathways 5-1
5.3 Contaminant Fate and Transport 5-2

6.0 Summary of Findings 6-1

7.0 Conclusions and Recommendations 7-1

8.0 References 8-1

APPENDICES

Appendix A Field Records

Appendix B Laboratory Analytical Data Summary Tables

Appendix C Sediment Physical Parameters Analytical Data Summary

Appendix D Data Usability Summary Report

List of Tables

Table 2-1 Summary of Sediment Core Sampling and Analysis 2-4
Table 2-2 Summary of Sediment Core Survey Data 2-5
Table 4-1 Summary of pH Values in Sediment 4-5
Table 4-2 Summary of Detected Total Organic Carbon Concentrations in Sediment 4-6
Table 4-3 Summary of Detected Volatile Organic Compounds in Sediment (Normalized for Organic Carbon) 4-7
Table 4-4 Summary of Detected Semivolatile Compounds in Sediment (Normalized for Organic Carbon) 4-8

List of Figures

Figure 1-1 Site Location Map 1-3
Figure 2-1 RI Sample Locations 2-6
Figure 3-1 Cross Sections C-C'-C'' and D-D'-D'' 3-5
Figure 3-2 Cross Section E-E' and F-F' 3-6
Figure 3-3 Approximate Extent of Impact 3-7
Figure 4-1 Total BTEX and PAHs Detected in Sediment 4-9

1.0 Introduction

This Remedial Investigation Addendum (RI Addendum) report presents data and observations that were obtained during sediment sampling conducted in Peekskill Bay, an extension of the Hudson river, downgradient from the former Pemart Avenue Works manufactured gas plant (MGP) and electric generation plan (EGP), collectively referred to as the Site, located in Peekskill, New York. The former Pemart Avenue properties were historically operated by predecessor companies to the Consolidated Edison Company of New York, Inc. (Con Edison). The investigation was conducted in accordance with Voluntary Cleanup Agreement (VCA) Index No. D2-0003-02-08 between Con Edison and the New York State Department of Environmental Conservation (NYSDEC).

1.1 Project Background

In 2002, Con Edison entered into a multi-site VCA with the NYSDEC. Under this agreement, Con Edison is evaluating its former Manufactured Gas Plant (MGP) sites, which included the Pemart Avenue Site, and, if necessary, remediate them. As an initial step of the site evaluation process, Con Edison conducted a site history investigation and prepared a Historical Investigation Report. The site history investigation was conducted to determine historical operations, ownership, uses, and conditions at the Site.

In July 2005, Con Edison prepared and submitted to NYSDEC a Site Characterization Study (SCS) Work Plan (Work Plan) (ENSR, 2005). The intent of the scope of work outlined in the Work Plan was to determine if residues from operations of the former plants and or any remnant structures of the former MGP and or EGP were present in the subsurface. The Work Plan was approved by NYSDEC and the New York State Department of Health (NYSDOH) in a letter dated August 24, 2005 and this initial phase of field investigation work commenced on August 16, 2005. Based on preliminary findings of MGP residues in subsurface soil during the SCS, Con Edison decided to expand the scope of work into a more extensive remedial investigation (RI), which required that the observed residues be delineated. A second phase of investigation was initiated in March 2006 and completed in June 2006.

The results of the RI and the initial SCS activities were summarized in the RI Report for the Former Pemart Avenue Works MGP and EGP (ENSR, 2007). NYSDEC provided comments on the RI report in a letter dated April 23, 2007. Con Edison responded to the NYSDEC comments in a letter dated June 26, 2007.

In April 2007, Con Edison prepared and submitted to NYSDEC and NYSDOH an addendum to the RI Work Plan (Con Edison, 2007). The work plan addendum outlined the proposed investigation activities pertaining to sediment in Peekskill Bay of the Hudson River adjacent to the upland portion of the Site. The work plan addendum was approved by NYSDEC and NYSDOH.

Permits were required to conduct the sediment sampling and In April 2007, Con Edison submitted a Joint Application for Permit (US Army Corps of Engineers (USACE), NYSDEC, and cooperating agencies) to qualify for Department of the Army (DOA) Nationwide General Permits 6 and 38 under the USACE General Permit Program, and to be permitted or found exempt from the NYSDEC Stream Disturbance permit program. Con Edison received the approved permit in September 2007. Sediment coring and sampling activities were conducted in November and December 2007. The results of the sediment investigation activities are documented herein.

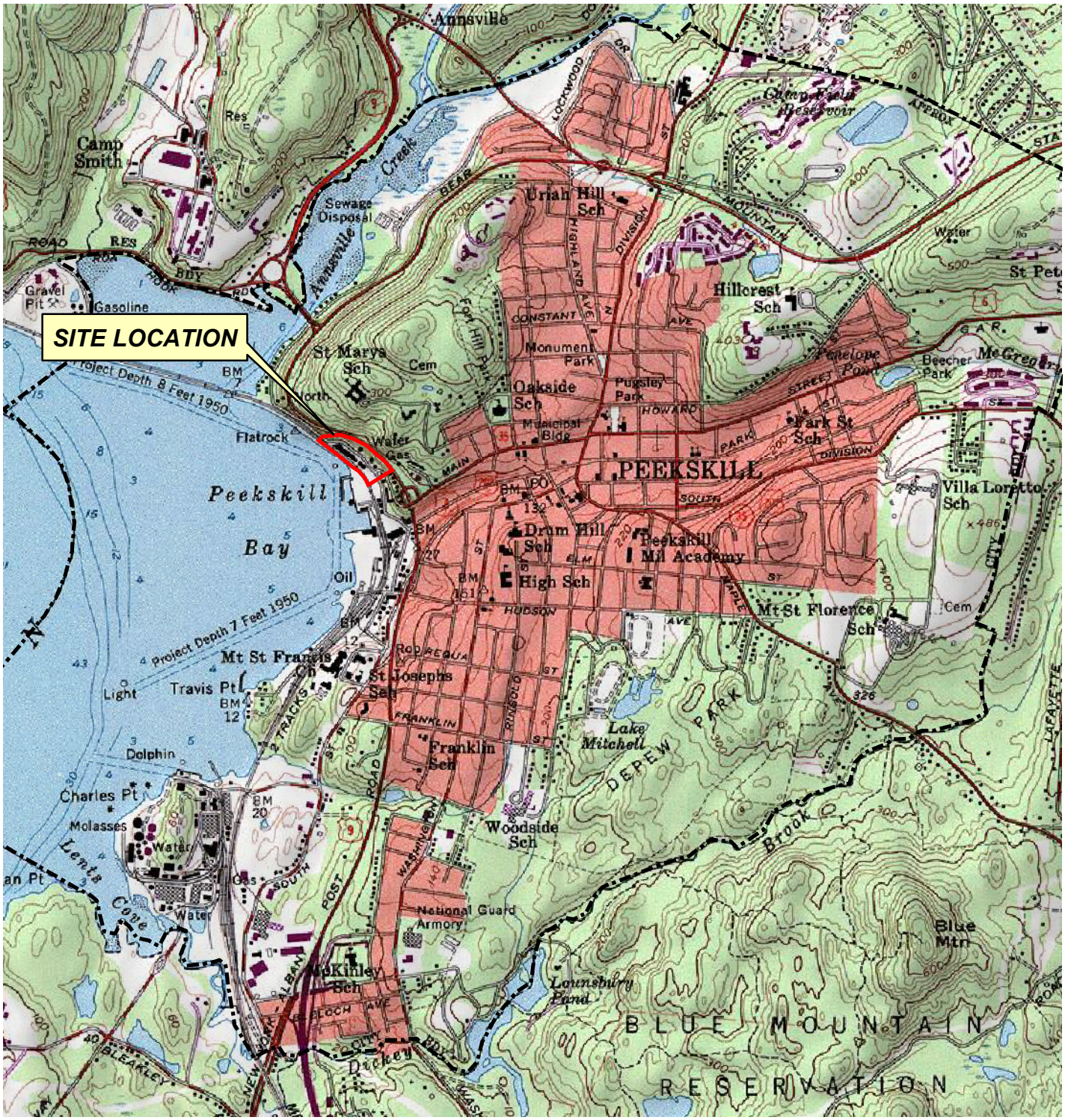
1.2 Objectives of Sediment Investigation

The objectives of the sediment investigation were to:

- determine the presence or absence of residues from the historical operations of the former MGP beneath Peekskill Bay, and
- delineate the horizontal and vertical extent of residues from the former MGP.

1.3 Report Outline

Section 2 of this report outlines the sediment investigation activities that were performed during the RI Addendum. Field investigation results, including the presence of MGP-related residues and a description of the Site geology, are discussed in Section 3. Analytical results of the sediment sampling are presented in Section 4. Section 5 presents the exposure assessment originally presented in the RI (ENSR, 2007), which has been updated to include the RI Addendum sediment investigation results. This section also includes a discussion of contaminant fate and transport. Section 6 provides a summary of findings for the RI Addendum and Section 7 provides conclusions and recommendations based on the RI Addendum investigation results. References are provided in Section 8.



UNITED STATES GEOLOGIC SURVEY
PEEKSKILL QUADRANGLE
NEW YORK
7.5 MINIUTE SERIES (TOPOGRAPHY)

PEEKSKILL, NY
1957
PHOTOREVISED 1981

SITE LOCATION MAP
PEMART AVENUE WORKS

Consolidated Edison Company
of New York, Inc.
Peekskill, New York

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ENSR INTERNATIONAL

Figure Number

1.1

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2.0 Sediment Investigation Scope of Work

This section describes the sediment investigation activities that were performed during the RI Addendum in November and December 2007. All field activities were conducted in accordance with the Site Characterization Study Work Plan, Pemart Avenue Former MGP (Work Plan) (ENSR, 2005), the Work Plan Addendum (Con Edison, 2007), Field Sampling Plan (FSP) (ENSR, 2005), Quality Assurance Project Plan (QAPP) (ENSR, 2005), and Health and Safety Plan (HASP) (ENSR, 2007).

Sediment core locations are shown on Figure 2-1. Field records are presented in Appendix A. Analytical results for sediment are discussed in Section 4 with a summary of detected constituents presented in Tables 4-1, 4-2, 4-3, and 4-4. A complete summary of the analytical data is presented in Appendix B.

2.1 Utility Clearance

Prior to commencement of sediment-intrusive field activities, utility clearance was conducted to ensure the safety of field personnel and local residents, and to ensure that subsurface utilities were not damaged during the investigation. Utility clearance was performed in accordance with Con Edison's Utility Clearance Process for Intrusive Activities and in accordance with the Work Plan (ENSR, 2005). The underground utility clearance process entailed a New York State Department of Transportation (NYSDOT) Code 753 mark-out with three separate tickets called in, one for the work area in the river, one for North Water Street, and one for the municipal parking lot on North Water Street. In addition, the City of Peekskill Department of Public Works and the Westchester County Sewer were consulted to confirm that there were no submarine utilities within the proposed work area. Site reconnaissance was performed to physically locate City of Peekskill storm drain lines along the river bank. Where present, the storm drain lines only extended to the low water line and did not extend out into the work area in Peekskill Bay.

2.2 Community Air Monitoring

In accordance with the NYSDEC approved work plan addendum, community air monitoring was not performed during the sediment investigation activities.

2.3 Sediment Core Advancement

Coring of sediment was conducted at twenty-five locations, designated SD1 through SD25 (Figure 2-1) to characterize the nature of sediment below the eastern portion Peekskill Bay located west of the Site and to determine the presence or absence of MGP residue in the sediments. Sample coring was initially performed near shore in the vicinity of the most downgradient soil boring/monitoring well that contained the most extensive evidence of coal tar in the subsurface based on field observations during the remedial investigation of the upland area of the Site. Subsequent sediment cores were advanced in a radial manner until the visual limits of MGP impacts in sediments were reached. Additional cores were advanced outside the area of residual MGP impacts to confirm delineation and within the area of residual MGP impacts to provide spatial distribution of cores within the area of MGP residuals.

The target depth of the cores, as outlined in the Work Plan Addendum (Con Edison, 2007), was 20 to 26 feet below the mud line (bml) and was based on the anticipated depth to a silt/clay confining unit observed in the upland portion of the Site. MGP residuals were not observed below this unit during the RI in the upland portions of the Site. In general, cores were advanced to depths ranging from 12.5 to 21.5 feet bml. The termination depth of these cores was based on encountering vibracore refusal on the silt/clay unit Three cores, SD7, SD23, and SD24, were advanced to deeper depths of 37, 34, and 24 feet bml, respectively.

These cores were advanced into the silt/clay unit to confirm that MGP residuals were not present below the top of the unit. Sediment core logs are presented in Appendix A of this report.

Prior to commencing sediment sampling activities, floating booms were deployed on the river surface to contain any potential sheens that might be generated during sampling. A 150-foot solid floating boom with 12-inch skirt encircled the barge. The position of the solid boom was adjusted as needed depending on the tide direction and water depth at each location. In addition, a ring of disposable absorbent boom was deployed on the river surface between the barge and the solid boom in order to catch and absorb potential sheens. The booms were left in place for the duration of the work. Sections of the absorbent boom were periodically replaced during the course of sampling as they became frozen and/or damaged.

Atlantic Testing Laboratories, Inc. (ATL) advanced sediment cores from a shallow-draft sectional barge platform. All but two of the cores were advanced using vibracore drilling techniques. During vibracore drilling a 20-foot long core barrel lined with a flexible plastic liner was attached to a vibrahead and the assembly was lowered through the center of the barge and retrieved at each location using a CME-75 drill rig mounted on deck. Each core was advanced to vibracore refusal. The cores were removed from the core barrel in the plastic liners, laid into a PVC trough and cut open for inspection, classification, and sampling of the sediments. The other two cores, SD23 and SD24 were advanced by the drive and wash drilling technique with sediment samples collected by split spoon sampler. This drilling technique was used to obtain samples for geotechnical parameters and to allow deeper coring depths.

Each sediment core was visually classified for soil type, grain size, texture, moisture content, and visible evidence of impacts. In addition, sediment from discrete intervals was screened for total volatile organic compounds (VOCs) in sediment headspace using a photoionization detector (PID). PID headspace readings are recorded on the core logs in Appendix A.

Upon extraction of the core from the river bed, each core hole was allowed to collapse and seal itself. Additional sealing of the core holes was not required. All sediment cuttings and other investigation derived waste (IDW) were placed in Department of Transportation (DOT)-approved 55-gallon drums, sealed, and labeled for temporary storage on site, prior to disposal off site (see Section 2.7).

2.4 Sediment Sampling

The limits of MGP residuals were identified in the field by visual observations of the sediment cores. Sediment samples were collected for chemical analysis to confirm these limits and to provide representative samples of the MGP residuals. In general sediment samples were collected from the cores around the perimeter of the area of visual MGP residuals and from units below the visual MGP residuals. A representative number of samples were also collected from above the visual MGP residuals, of sediments containing visual MGP residuals, and from additional lithologies, as encountered, to obtain spatially representative data from each lithology.

Table 2-1 provides a summary of collected samples, sample depths, sample identifications, geology encountered, analytical parameters, and sample rationale. The results of the chemical analyses are presented in Appendix B and discussed in Section 4.

Samples for VOC analyses were collected from discrete sections of each core into a 2-ounce septum jar with minimal headspace. Sediment samples for the remaining suite of analytes were homogenized within the sediment core liner and transferred into the appropriate sample containers using a decontaminated stainless steel trowel.

Sample jars were placed directly on ice in coolers for storage. Sample coolers were shipped at 4 degrees C to Columbia Analytical Services (CAS) located in Rochester, NY under chain-of-custody protocol via United Parcel Service (UPS).

2.5 Sediment Sample Location Survey

The sediment core locations were surveyed by ATL, a licensed New York State Surveyor. The horizontal coordinates and vertical elevation of the mud line for each core location were obtained via a differential global positioning system (DGPS). The coordinates and reference elevation from existing monitoring well MW-20 were used to tie the sediment locations into the Site base map. All vertical measurements were recorded relative to the 1988 USGS National Geodetic Vertical Datum (NGVD), and all horizontal measurements were surveyed in New York State Plane coordinates using the 1983 North American Datum (NAD83). A summary of the coordinates and mud line elevation of each sediment core are presented in Table 2-2.

2.6 Sample Analysis

Samples for chemical analysis were submitted to CAS in Rochester, NY. The physical parameter samples were submitted to ATL. CAS provided the analytical results in electronic format in accordance with NYSDEC Analytical Services Protocol (ASP) Category B deliverable requirements. ATL provided the results of their analysis in paper report format. The electronically formatted data was loaded into the Site database. A summary of the analyses performed for each sample is included in Table 2-1.

A Data Usability assessment was performed to determine the usability of the chemical data collected during the RI for the purpose of assessing sediment quality, delineating impacted sediment, and evaluating potential risks associated with the chemicals detected. The results of the data assessment are summarized in Data Usability Summary Report (DUSR), which was prepared in accordance with the NYSDEC Guidance for Development of Data Usability Summary Reports (NYSDEC 2001). Usability was evaluated by reviewing the data following USEPA Region 2 Data Validation Standard Operating Procedures (SOPs) as guidance. Where necessary, the Region 2 SOPs were modified to incorporate project-specific or method-specific criteria. Data qualifiers were applied consistent with the Region 2 guidance. All elements reviewed in preparing the DUSR were consistent with those specified in the NYSDEC guidance (NYSDEC, 2001). The DUSR is provided on a compact disc as Appendix D.

The NYSDEC-approved work plan included the analysis of target analyte list (TAL) metals and cyanide in sediment samples. Prior to commencing the sediment investigation in November 2007, Con Edison proposed to NYSDEC a reduction in the sampling analytical protocol to focus the program on visual delineation of MGP-related impacts. Con Edison also proposed that inorganics and cyanide be removed from the sampling program based on the similarity of detected inorganic concentrations in Site soils to background, and the lack of cyanide detections in Site soils. NYSDEC verbally agreed to both the reduced sampling rationale and removal of inorganics and cyanide from the sampling program.

2.7 Waste Management

IDW generated during the RI sediment investigation included sediment, used personal protective equipment (PPE), used polyethylene sheeting and sediment core liners, used disposable sampling equipment, and used absorbent boom material. All sediment IDW was containerized in 55-gallon DOT - approved drums, profiled, and transported by Clean Venture - Cycle Chem for off-site disposal as non hazardous waste at a licensed facility. Because of the small volume of sediment IDW generated during RI sediment investigation Con Edison decided to have the waste thermally treated at CASIE Protank in Vineland, NJ. The remainder of the solid waste (soiled PPE, polyethylene sheeting, absorbent booms, etc.) was disposed as non-hazardous waste at GROWS Landfill in Falls Township, PA, a licensed waste management facility.

Table 2-1
Summary of Sediment Core Sampling and Analysis
Pemart Avenue Works Former MGP and EGP - RI Addendum
Consolidated Edison, Peekskill, New York
November - December 2007

Location	Sample ID	Date	Sample Depth (ft bml)	Analyses
November-December 2007				
SD1	SD1(12-12.5)	11/28/07	12 - 12.5	VOC/SVOC/TOC
SD2	SD2(10-11)	11/29/07	10 - 11	VOC/SVOC
	SD2(16.5-17)		16.5 - 17	VOC/SVOC
	SD2(18-19)		18 - 19	VOC/SVOC
SD3	SD3(14-16)	11/29/07	14 - 16	VOC/SVOC
	SD3(16-16.5)		16 - 16.5	VOC/SVOC
SD4	SD4(0-2)	11/29/07	0.5 - 2	VOC/SVOC/TOC
	SD4(6-7)		6 - 7	VOC/SVOC/TOC
	SD4(14-15)		14 - 15	VOC/SVOC
SD5	SD5(0-2)	11/30/07	0.5 - 2	VOC/SVOC/TOC
	SD5(16-17)		16 - 17	VOC/SVOC
SD6	SD6(16-17)	11/30/07	16 - 17	VOC/SVOC
SD7	SD7(19-21)	12/3/07	19 - 21	VOC/SVOC/TOC
SD9	SD9(2-4)	12/4/07	2 - 4	VOC/SVOC/TOC
	SD9(5-7)		5 - 7	VOC/SVOC
SD10	SD10(2-3)	12/4/07	2 - 3	VOC/SVOC/TOC
SD11	SD11(6-8)	12/4/07	6 - 8	VOC/SVOC/TOC
	SD11(16-17)		16 - 17	VOC/SVOC
	SD11(19-20)		19 - 20	VOC/SVOC
SD12	SD12(2-4)	12/4/07	2 - 4	VOC/SVOC/TOC
	SD12(4-6)		4 - 6	VOC/SVOC
SD13	SD13(5-7)	12/6/07	5 - 7	VOC/SVOC
	SD13(11-13)		11 - 13	VOC/SVOC
	SD13(15-17)		15 - 17	VOC/SVOC
SD14	SD14(0-4)	12/6/07	0.5 - 4	VOC/SVOC/TOC
	SD14(6-8)		6 - 8	VOC/SVOC
SD15	SD15(0-2)	12/6/07	0.5 - 2	VOC/SVOC/TOC
	SD15(4-5)		4 - 5	VOC/SVOC
	SD15(6-7)		6 - 7	VOC/SVOC
SD16	SD16(0-2)	12/6/07	0.5 - 2	VOC/SVOC/TOC
	SD16(4-5)		4 - 5	VOC/SVOC
SD17	SD17(0-2)	12/6/07	0.5 - 2	VOC/SVOC/TOC
	SD17(4-5)		4 - 5	VOC/SVOC/Phys. Param./TOC/pH
	SD17(12-14)		12 - 14	Phys. Param./TOC/pH
SD18	SD18(0-2)	12/7/07	0.5 - 2	VOC/SVOC/TOC/Phys. Param./pH
	SD18(5-6)		5 - 6	VOC/SVOC
SD21	SD21(0-2)	12/10/07	0.5 - 2	VOC/SVOC/TOC
	SD21(4-5)		4 - 5	VOC/SVOC/TOC
SD22	SD22(7-9)	12/11/07	7 - 9	VOC/SVOC/TOC/Phys. Param./pH
	SD22(13-15)		13 - 15	VOC/SVOC/TOC/Phys. Param./pH
SD23	SD23(3-5)	12/1107	3 - 5	VOC/SVOC/TOC/Phys. Param./pH
	SD23(5-7)		5 - 7	Bulk Density
	SD23(25-27)		25 - 27	Phys. Param./TOC/pH
SD24	SD24(6-8)	12/12/07	6 - 8	Phys. Param./TOC/pH
	SD24(8-10)		8 - 10	Phys. Param./TOC/pH
	SD24(22-24)		22 - 24	Bulk Density
SD25	SD25(3-4)	12/12/07	3 - 4	VOC/SVOC/TOC
	SD25(4-5)		4 - 5	VOC/SVOC

Notes:

ft bml - feet below mud line

VOC - Volatile Organic Compound

SVOC - Semivolatile Organic Compound

TOC - Total Organic Carbon

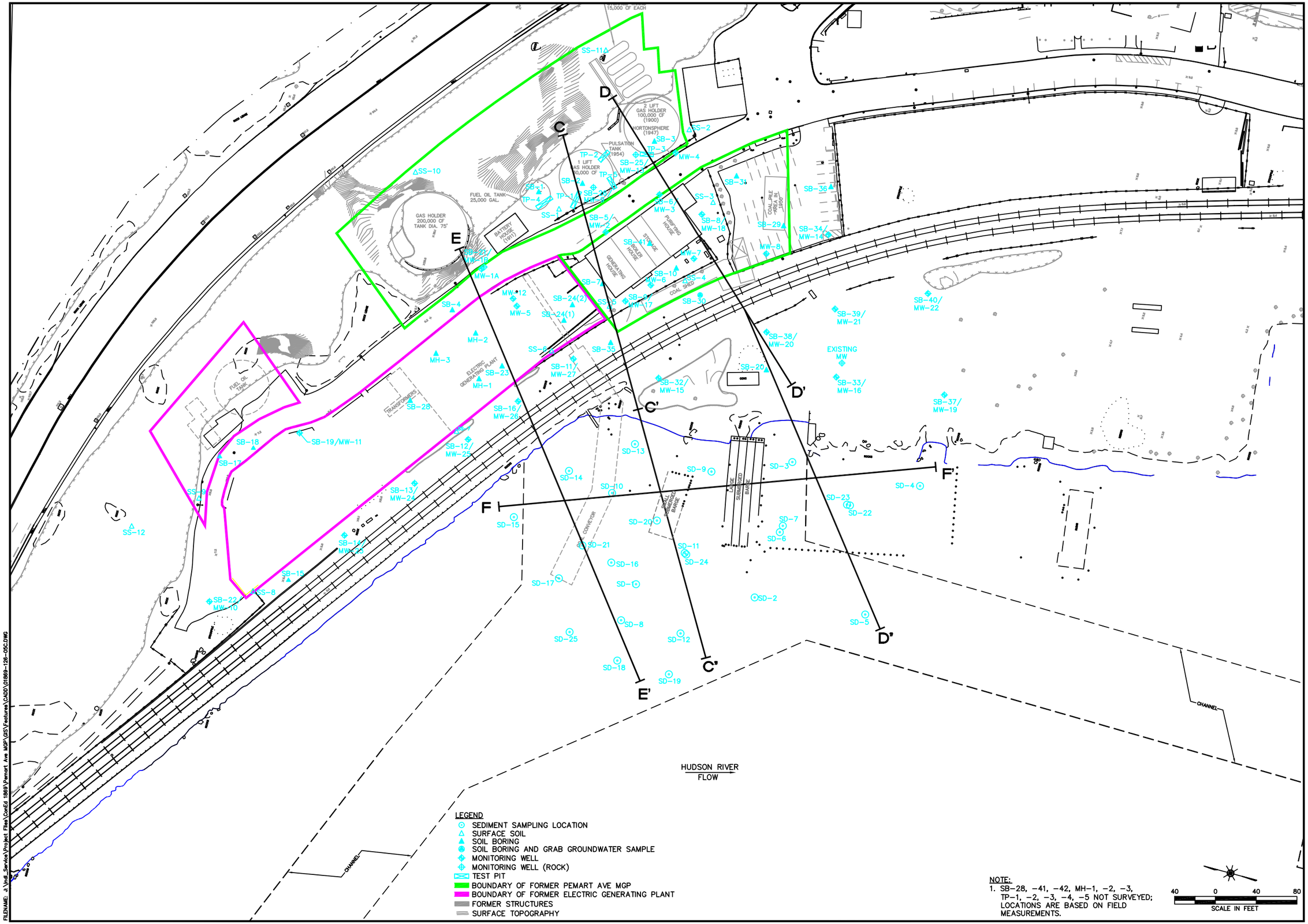
Physical Parameters (Phys. Param.) = grain size, moisture content, specific gravity, and Atterburg limits.

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Table 2-2
Summary of Sediment Core Survey Data
Pemart Avenue Works Former MGP and EGP - RI Addendum
Consolidated Edison, Peekskill, New York
November - December 2007

Location	Northing	Easting	Mud Line Elevation (ft)
SD1	895544.94	648096.53	-7.60
SD2	895429.25	648114.10	-9.51
SD3	895427.89	648251.85	-8.00
SD4	895300.88	648261.61	-8.84
SD5	895320.18	648125.98	-10.54
SD6	895421.95	648182.31	-9.65
SD7	895420.71	648189.04	-9.70
SD8	895549.96	648058.62	-9.60
SD9	895502.06	648222.28	-5.15
SD10	895590.76	648176.80	-5.93
SD11	895506.75	648138.45	-9.74
SD12	895490.30	648061.22	-10.12
SD13	895581.50	648228.91	-4.28
SD14	895637.14	648186.80	-6.73
SD15	895677.65	648129.06	-7.16
SD16	895573.84	648110.72	-8.89
SD17	895619.49	648082.52	-8.25
SD18	895543.31	648019.43	-10.15
SD19	895490.96	648019.56	-10.27
SD20	895541.29	648162.08	-7.62
SD21	895605.52	648119.63	-6.78
SD22	895362.31	648225.39	-7.56
SD23	895365.31	648225.42	-7.56
SD24	895504.91	648137.44	-8.53
SD25	895595.74	648034.39	-8.26

Notes:
All horizontal measurements were surveyed in New York State Plane coordinates using the 1983 North American Datum (NAD83).
All vertical measurements were recorded relative to the 1988 USGS National Geodetic Vertical Datum (NGVD).



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RI SAMPLE LOCATIONS
PEMART AVENUE FORMER MGP
PEEKSKILL, NEW YORK

SCALE:	DATE:	PROJECT NUMBER:
AS SHOWN	2/08	01869-126-400

DRAWING NUMBER: 2-1

SHEET NUMBER: 1

3.0 Field Investigation Results

This section summarizes the field observations made during the RI Addendum. It also provides a brief overview of the Site geology, which was presented in detail in the RI Report (ENSR, 2007).

3.1 Upland Geology

The Site is located in a narrow (110 to 250 feet wide) isolated piece of land situated between Peekskill Bay on the Hudson River to the west and steeply sloping bedrock cliffs to the east. The Site is underlain by glaciofluvial sediments deposited in the Hudson River Valley along Peekskill Bay. These sediments range in thickness from 4.5 feet and 43.5 feet and consist primarily of silt with interbedded layers of sand, clay, and peat as described below.

- **Fill Unit** – The fill unit is present across the Site from ground surface to depths ranging from 3 to 20 feet below ground surface (bgs). The fill consists of a heterogeneous mixture of silt, sand, gravel and contains various debris (e.g., glass, wire, bottle caps, plastic, clinker, coal fragments, wood fragments, concrete, steel plates, brick fragments, etc.)

- **Upper Sand Unit** – The upper sand unit is present beneath the fill unit in the southern portions of the Site and adjoining properties to the west and is absent in the eastern portion of the Site. This unit ranges in thickness between 2 and 18 feet. The top of this unit was encountered from 4 to 13 feet bgs and the bottom of the unit encountered between 15 and 30 feet bgs. This upper sand unit is primarily composed of fine to medium-grained sand, with some silt, coarse sand and/or fine gravel in some areas.

- **Upper Silt/Clay Unit** – The upper silt/clay unit is present beneath most of the Site; however, it was not observed in a small area in the eastern portion of the Site where the overburden pinches out against bedrock outcrops. This unit ranges in thickness between 1 foot and 20 feet with the top of the unit observed from 7 to 22 feet bgs and the bottom observed between 15 and 43 feet bgs. This unit ranged from a sandy silt unit to a silty clay unit to alternating clay and silt, and contains gravel in some locations. Within this silt/clay unit are lenses of peat and sand.

- **Lower Sand Unit** – The lower sand unit was observed throughout the Site. It varies in thickness from 1 foot to 7 feet. The top of this unit was observed between 10 feet and 31 feet bgs and the bottom was observed between 17 and 40 feet bgs. This sand unit is generally composed of fine to coarse-grained sand.

- **Lower Silt/Clay Unit** – The lower silt/clay unit was encountered throughout the Site and ranged in thickness from 2 to 10 feet. The top of this unit is observed between 24 and 40 feet bgs and the bottom between 30 and 43.5 feet bgs. This unit ranges from silty sand with clay, to clayey silt, to clay.

- **Bedrock** – Bedrock is present in outcrops in the eastern portion of the Site and was encountered beneath the Site at depths ranging between 5 and 47.5 feet bgs. A weathered bedrock zone was observed above solid bedrock across most of the Site. Bedrock at the Site is micaceous dark grey gneiss, with light grey felsic bands.

The geology is depicted in four cross sections presented in Figures 3-1 and 3-2, and described in detail below. The orientation of these cross sections is shown on Figure 2-1. Cross sections C-C'-C'' and D-D'-D'' are extensions of the upland RI cross sections C-C' and D-D', while E-E' is an extension of the upland RI cross

section B-B' drawn slightly north of the original B-B' location. Cross section F-F' depicts the sediment geology parallel to the shore line.

3.2 Sediment Geology

Twenty-five sediment cores were advanced in a portion of Peekskill Bay immediately adjacent to the Site (see Figure 2-1). The sediments encountered generally consisted of interbedded layers of organic silt, sand, gravel, peat, silt, and clay. The sediments encountered were grouped into five lithologies, denoted as the upper silt, silt, sand lenses, peat, and silt/clay, as depicted in the four cross sections presented in Figures 3-1 and 3-2, and as described in detail below.

3.2.1 Upper Silt

A soft riverine silt is the uppermost unit in Peekskill Bay adjacent to the Site and is present to varying depths of approximately 2 to 12 feet bml. This unit generally consists of dark brown to gray-black organically rich silt and includes varying amounts of sand, gravel, detritus and assorted debris (e.g., clinker, coal fragments, wood from pilings and barge structures, metal, brick fragments, etc.)

3.2.2 Silt

The silt unit was encountered beneath the soft upper silt. This silt ranged in color from brown to dark gray and contained varying amounts of root matter. The silt unit ranged in thickness from 1 to 16 feet. It was encountered between 1 and 10 feet bml and extended to the underlying peat and silt/clay units at depths ranging between 8 and 20 feet bml.

3.2.3 Sand Lenses

Isolated sand lenses were encountered beneath the silt unit and above the peat and silt/clay units. The sand lenses range in thickness from 2 feet to 8 feet. The top of the sand lenses were encountered from 7 to 19 feet bml with the bottom of the sand lenses encountered between 9 and 20 feet bml. The lenses are primarily composed of gray fine to medium-grained sand. Some coarse sand and fine gravel were also observed.

The sand lenses do not appear to form a continuous layer beneath Peekskill Bay. The shape and location of the sand lenses suggest that these sands may be present in former dredge channels and/or scour channels.

3.2.4 Peat and Silt/Clay

Each of the sediment cores terminated in either the silt/clay unit, peat unit, or a silt/clay unit containing peat. The silt/clay unit is present beneath most of the study area within Peekskill Bay, as shown in cross sections C-C'-C'' and F-F' (Figures 3-1 and 3-2), directly underlying the silt and or sand lenses (where present). Where the silt/clay unit was not encountered, the cores ended in a peat or a silt/clay unit that contained peat, as shown in cross sections D-D'-D'' and E-E' (Figures 3-1 and 3-2).

The elevation of the silt/clay unit correlates to the upper silt/clay unit beneath the upland portion of the Site. The unit consists of firm brown silt to stiff gray clay and appears to be a competent semi-confining layer. In certain locations, sediment vibracores penetrated 16 to 18 feet into the silt/clay unit, the bottom of which was not encountered.

Similar to the upper silt/clay unit beneath the upland portion of the Site, the silt/clay beneath Peekskill Bay contains a varying amount of brown fibrous peat, which in places is present as a distinct unit above the silt/clay. At core location SD-23, peat was observed within the silt/clay unit from 13 feet bml to the completion depth of 34 feet bml. At SD-7, 18 feet of peat was encountered from a depth of 19 to 37 feet bml.

Unlike the upper silt/clay unit beneath the upland portion of the Site, no sand lenses were observed within the silt/clay unit beneath Peekskill Bay.

3.3 Remnant MGP and Post MGP Structures Within the River

Historic mapping showed that during the operation of the MGP and EGP a coal conveyor was present in the sediment study area (see Figure 2-1). Remnant wooden piles are present in the area of this former structure. Additional remnant structures observed in the sediment study include a large submerged wooden barge, a small wood barge, and wooden pilings. These wooding piles are in the area of a former marina.

No subsurface structures potentially relating to the former MGP or EGP were observed below the mud line.

3.4 Limits of Observed Impacts

Field activities in the upland portion of the Site during the SCS and RI included the investigation of all known potential historic source areas associated with the former MGP and EGP operations to evaluate if they were potential sources of contamination to the subsurface. Based on field observations documented during the (RI Report (ENSR, 2007), it was determined that remnants of former MGP and EGP structures are present above grade or in the subsurface and that subsurface soil and or groundwater associated with several of these structures were impacted. The limits of the observed impacts in the upland areas are shown on Figure 3-3.

As shown in this figure, impacts to the west off site beneath the MTA Metro-North Railroad right-of-way (MTA ROW) onto a small parcel between the MTA ROW and Peekskill Bay. The southern limits of MGP residuals on this parcel were delineated until no physical evidence of MGP or petroleum-related impacts (e.g., odor, sheen, NAPL or elevated PID readings) was detected in subsurface soil and or groundwater. The RI delineation activities on the upland areas suggested that MGP residuals had migrated into the sediments beneath Peekskill Bay in the areas adjacent to the shoreline. This conclusion was confirmed by the RI Addendum field work.

During the RI Addendum the limits of MGP residuals were delineated in the sediments within Peekskill Bay (see Figure 3-3). A total of 25 vibracores were advanced in sediment in an approximate 86,400 square foot or approximately 2 acre area. Physical evidence of MGP residue (e.g., odor, sheen, NAPL and or elevated PID readings) was detected in a 37,500 square foot or less than 1 acre area at 12 core locations, SD-1, SD-3, SD-8, SD-9, SD-10, SD-11, SD-13, SD-14, SD-16, SD-20, SD-21, and SD-24. MGP residuals in sediment were generally observed as either small quantities of tar in the form of globules or in thin zones of sediment saturated with tar. Zones exhibiting minor impacts such as sheen and odor were also noted. Tar saturated sediment zones were observed at four core locations to depths of 10 feet bml: SD-3 (8-10 feet bml), SD-10 (2.5-3 feet bml), SD-14 (4-5 feet bml), and SD-21 (1.5-2.5 feet bml). Sediment intervals exhibiting NAPL globules were generally observed to depths of 10 feet bml, with the exception of one location, SD-11, where NAPL globules were detected between 17.5 and 18 feet bml.

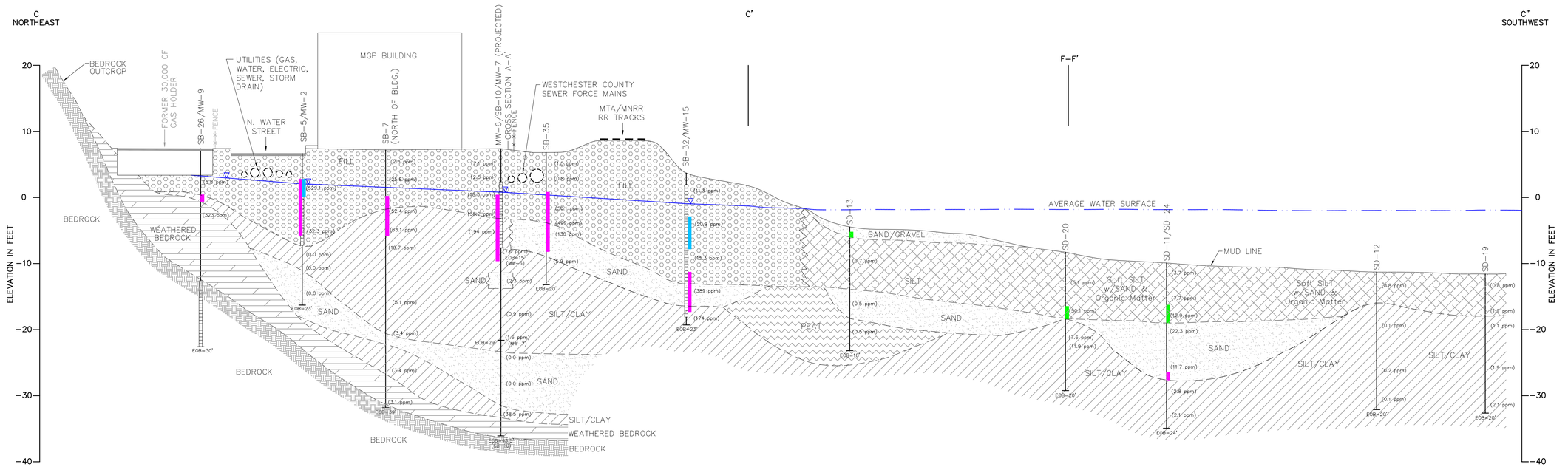
Minor evidence of impacts were observed in the upper silt at depths of 0.5 -7 feet bml in perimeter cores SD-2 (mild sheen wisps), SD-4 (burnt fuel oil-like odor), and SD-22/SD-23 (mild tar odor with few sheen spots). No physical evidence of impact was observed in perimeter sediment cores SD5, SD-6, SD-7, SD-12, SD-15, SD-17, SD-18, SD-19, and SD-25. Accordingly these core locations serve as delineation boundary points.

NAPL observed in sediment appears to have migrated laterally from the upland portion of the Site. NAPL was not observed in sediment below the silt/clay unit, which correlates to the upper silt/clay unit on site. Similarly, during the RI upland investigation, NAPL was not observed beneath this silt/clay unit.

3.5 Summary of Field Observations

This section provides a summary of the RI Addendum field observations in sediment.

- No subsurface structures relating to the former MGP were observed below the mud line. Remnant wooden pilings in the area of the former coal conveyor and the former marina and remnants of a large submerged barge and a small submerged wood barge were observed in the sediment study area.
- Field evidence of MGP residues, including coal tar NAPL and globules, were observed in discrete intervals within the upper silt and sand lenses in river sediments at depths ranging to 18 feet bml. The NAPL observed in sediments does not penetrate the silt/clay unit. These impacts are contained within an area of approximately 37,500 square feet or less than 1 acre adjacent to the shore line and downgradient of the former MGP building.
- The visual limits of MGP residuals in river sediment were delineated during the RI Addendum.



NOTE:
– BUILDINGS NOT TO SCALE

FILENAME: 01869-126-020.DWG

REVISIONS			
NO.:	DESCRIPTION:	DATE:	BY:

DESIGNED BY:	DRAWN BY:	CHECKED BY:	APPROVED BY:
X	K.P.B.	S.O.	D.S.

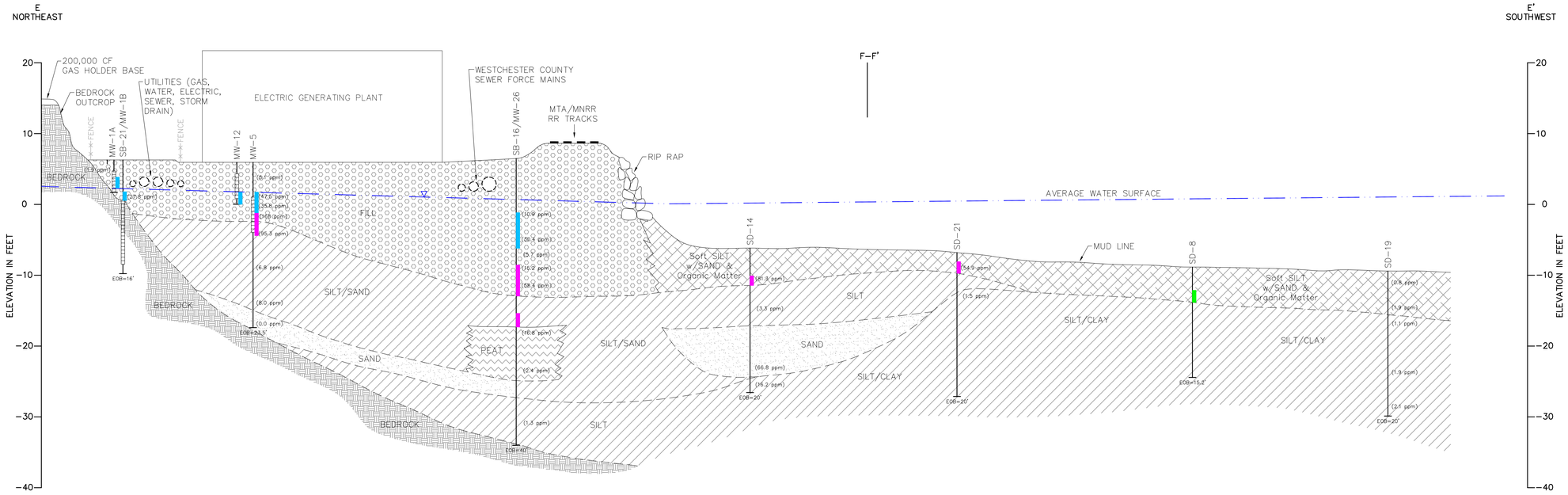
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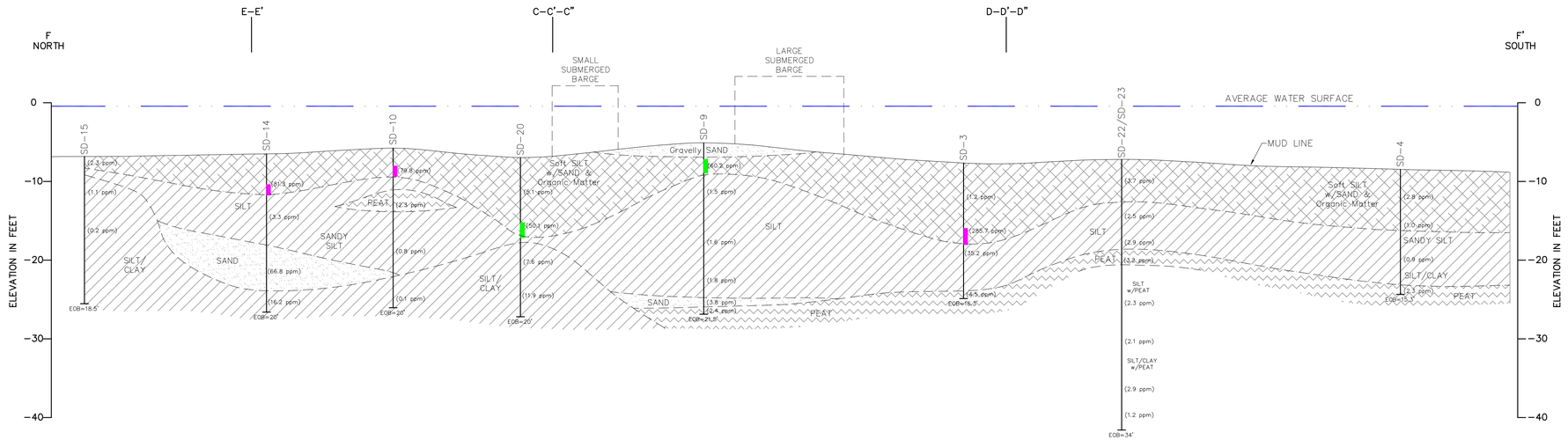
CROSS-SECTION C-C'-C" AND D-D'-D"
REMEDIAL INVESTIGATION
PEMART AVENUE FORMER MGP
PEEKSKILL, NEW YORK

PROJECT NUMBER:	DATE:	SCALE:
01869-126-400	2/08	AS SHOWN

DRAWING NUMBER:
3-1

SHEET NUMBER:
1





LEGEND

- FILL
- SAND
- SILT/CLAY
- GRAVEL
- PEAT
- WEATHERED BEDROCK
- BEDROCK
- SILT
- PETROLEUM NAPL/ODOR (FUEL OIL-LIKE, NON-MGP LIKE)
- COAL TAR NAPL
- COAL TAR GLOBULES

SCALE IN FEET: 0 20 8

REVISIONS			
NO.	DESCRIPTION:	DATE:	BY:

DESIGNED BY: X
DRAWN BY: K.P.B.
CHECKED BY: S.O.
APPROVED BY: D.S.

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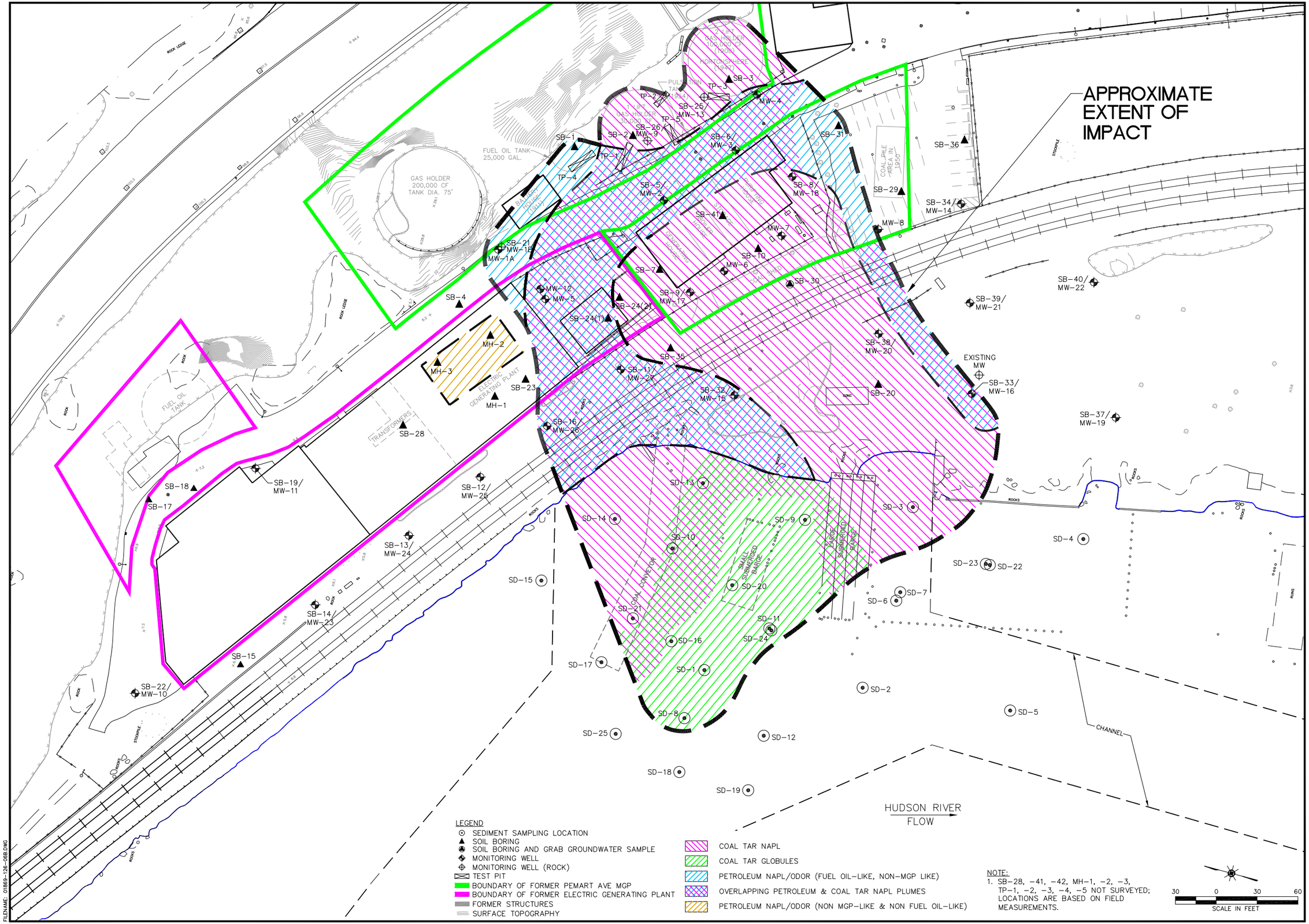
CROSS-SECTION E-E' AND F-F'
REMEDIAL INVESTIGATION
PEMART AVENUE FORMER MGP
PEEKSKILL, NEW YORK

PROJECT NUMBER: 01869-126-400
DATE: 2/08
SCALE: AS SHOWN

DRAWING NUMBER: 3-2

SHEET NUMBER: 1

FILENAME: 01869-126-03D.DWG



LEGEND

- SEDIMENT SAMPLING LOCATION
- SOIL BORING
- SOIL BORING AND GRAB GROUNDWATER SAMPLE
- MONITORING WELL
- MONITORING WELL (ROCK)
- TEST PIT
- BOUNDARY OF FORMER PEMART AVE MGP
- BOUNDARY OF FORMER ELECTRIC GENERATING PLANT
- FORMER STRUCTURES
- SURFACE TOPOGRAPHY

- COAL TAR NAPL
- COAL TAR GLOBULES
- PETROLEUM NAPL/ODOR (FUEL OIL-LIKE, NON-MGP LIKE)
- OVERLAPPING PETROLEUM & COAL TAR NAPL PLUMES
- PETROLEUM NAPL/ODOR (NON MGP-LIKE & NON FUEL OIL-LIKE)

NOTE:
1. SB-28, -41, -42, MH-1, -2, -3, TP-1, -2, -3, -4, -5 NOT SURVEYED; LOCATIONS ARE BASED ON FIELD MEASUREMENTS.

30 0 30 60
SCALE IN FEET

FILENAME: 01869-126-068.DWG

NO.:	DESCRIPTION:	DATE:	BY:
	REVISIONS		

DESIGNED BY:
DRAWN BY: K.P.B.
CHECKED BY: S.O.
APPROVED BY: D.S.

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APPROXIMATE EXTENT OF IMPACT
PEMART AVENUE FORMER MGP
PEEKSKILL, NEW YORK

SCALE:	DATE:	PROJECT NUMBER:
AS SHOWN	2/08	01869-126-400

DRAWING NUMBER: 3-3

SHEET NUMBER: 1

4.0 Analytical Results

This section summarizes the laboratory analytical results of sediment samples collected during the RI Addendum. Summaries of detected constituents are presented in Tables 4-1 through 4-4 with analytical summary tables for all analyzed VOC and semivolatile organic compound (SVOC) analyses included in Appendix B. The results of the physical parameter analyses are presented in Appendix C. The results of the data usability assessment are presented in the DUSR in Appendix D (on CD).

4.1 Sediment Sample Analytical Results

In general, sediment samples were analyzed for VOCs and SVOCs. A subset of the samples was also analyzed for total organic carbon (TOC), pH, and physical parameters. Table 2-1 presents a summary of the analyses performed.

4.1.1 pH

The pH was measured in nine sediment samples. The pH values are presented in Table 4-1. Based on these results, sediment adjacent to the Site is characterized as having generally neutral pH with values ranging from 7.06 to 7.75 SU. Slightly basic pH values ranging from 8.20 to 8.39 SU were noted in the silt/clay.

4.1.1.1 Total Organic Carbon

A total of 31 samples were analyzed for TOC. Detected TOC concentrations in the sediment samples ranged from 1,420 mg/kg to 148,000 mg/kg. Table 4-2 presents the sample-specific TOC concentrations for the 31 samples grouped by lithology, as well as the average TOC concentration for each lithology.

4.1.2 Organic Compounds

All the sediment samples submitted for chemical analysis were analyzed for VOCs and SVOCs. For non-polar organic compounds in sediment NYSDEC has established sediment screening criteria (NYSDEC SSC) in the Technical Guidance for Screening Contaminated Sediment (NYSDEC, 1999) normalized for organic carbon (milligrams per kilogram – organic carbon (mg/kg OC)). As described below, the organic carbon normalized data for detected constituents is presented in Tables 4-3 and 4-4. In addition to these criteria, the NYSDEC technical guidance document includes criteria for bulk sediment on a dry weight basis (bulk sediment quality guidelines), i.e., non organic carbon normalized data. The bulk sediment data for all analyzed constituents is presented in Appendix B. In the discussion below the value for total PAHs is compared to the bulk sediment guideline.

The sample-specific TOC concentrations were used to normalize (OC-normalized) the detected VOC (Table 4-3) and SVOC (Table 4-4) concentrations in each sediment sample. The OC-normalized concentrations of organic compounds in sediments were compared to the NYSDEC SSCs (NYSDEC, 1999) in milligrams per kilogram – organic carbon (mg/kg OC) for non-polar organics. Due to the brackish conditions of surface water in Peekskill Bay, saltwater SSCs were preferentially selected over freshwater SSCs when available. For samples that did not have a specific TOC result, the average TOC for that sample's associated lithology was used to normalize the concentrations of organic compounds in those samples.

The NYSDEC SSCs are intended to be used as screening criteria to identify areas needing further evaluation. They are not intended to represent the final concentrations that must be achieved through sediment remediation. The NYSDEC SSCs were developed to be protective of benthic aquatic life, wildlife bioaccumulation, and human health bioaccumulation. Based on the depths (0.5 to 18 feet below the mud line)

at which visibly MGP-impacted sediments were encountered, these sediments are located below the active biological zones. The biologically active zone is generally considered to be the top 10 to 15 cm of sediment, depending upon resident organisms (USEPA, 2001). The NYSDEC SSCs, therefore, are overly conservative for the sediments sampled since contact with sediments at these depths is unlikely for humans or ecological receptors. These values are used in this report as screening values to put the sediment analytical data in relative perspective.

In addition to the OC-normalized SSCs, the NYSDEC technical guidance document also provides sediment quality guidelines for bulk sediment data that is based on effects Range-Low (ERL) and Effects Range-Median (ERM) guideline values for organic compounds, including total PAHs. These bulk sediment guidelines are used in this document as additional screening levels for bulk sediment for total PAHs. The ERL guideline value for bulk sediment total PAHs is 4.02 mg/kg and the ERM guideline value for bulk sediment total PAHs is 44.79 mg/kg. Concentrations below the ERL are unlikely to be associated with toxicity to benthic receptors while concentrations above the ERM are more likely to be toxic to benthic receptors in the bioactive zone. As stated above these NYSDEC guidelines are overly conservative for the sediments sampled since contact with sediments at these depths is unlikely for humans or ecological receptors. These values are used in this report as screening values to but the sediment analytical data in relative perspective.

4.1.2.1 Volatile Organic Compounds

BTEX compounds were detected in 33 of the 45 sediment samples collected and exceeded the respective NYSDEC OC-normalized SSCs in 12 samples (Table 4-3; only individual BTEX compounds have SSCs). Table B-1 in Appendix B presents a summary of the bulk sediment VOC analytical results for all analyzed VOCs. In general, BTEX were only detected at concentrations above NYSDEC OC-normalized SSCs in samples where visual evidence of impact was present, with the highest concentrations coinciding with NAPL impacted layers, and lower concentrations coinciding with intervals where sheen or odor was observed. With the exception of one sample at SD-25, all the sediment samples collected below or around the perimeter of the visually impacted intervals had no exceedances of the NYSDEC OC-normalized SSCs for BTEX. At SD-25 the 3 to 4 ft bml sample slightly exceeded the NYSDEC OC-normalized SSC (0.6568 mg/kg OC compared to the SSC of 0.6 mg/kg OC).

A few exceedances of the NYSDEC OC-normalized SSCs for BTEX were detected in samples from the upper portion of the silt-clay unit at sediment core locations SD-3, SD-11, SD14, and SD-21. At each of these locations, coal tar NAPL was observed to have penetrated the upper foot of the silt/clay. Figure 4-1 shows the distribution of BTEX in the sediment samples and identifies samples in which at least one of the BTEX compounds exceeded the associated NYSDEC OC-normalized SSC. The BTEX value shown on this figure is the sum of the OC-normalized BTEX concentrations.

One or more of 22 other VOCs (i.e., non BTEX VOCs) were detected in a majority of the 45 samples and include chlorinated and non-chlorinated solvents. NYSDEC OC-normalized SSCs were available for seven of the detected VOCs. The majority of the VOCs were detected at concentrations below the respective NYSDEC OC-normalized SSCs. Four of these VOCs, isopropylbenzene, 1,1-dichloroethene, trichloroethene, and vinyl chloride, exceeded the respective NYSDEC OC-normalized SSC in several samples. The exceedances were primarily detected at five locations, SD-14, SD-15, SD-16, SD-17, and SD-21 at shallow depths within the upper silt immediately above the semi-confining silt-clay. These sediment core locations are the closest locations to the former EGP building where trichloroethene and vinyl chloride were detected during the RI in soils within the crawl space beneath the building. It should be noted that these VOCs are not considered typical MGP or EGP constituents and may be due to operations not related to the former EGP, e.g., operations of the wood worker, granite polisher, or other past operation. With the exception of isopropylbenzene, the locations where higher concentrations of these VOCs were detected did not correlate consistently with the locations of higher BTEX levels. The higher detected concentrations of isopropylbenzene did correlate with the locations of higher BTEX levels.

4.1.2.2 Semi-Volatile Organic Compounds

Twenty five SVOCs were detected at least once in the sediment samples (Table 4-4). Table B-2 in Appendix B presents a summary of the bulk sediment SVOC analytical results for all analyzed SVOCs. The SVOCs detected most frequently were the 17 PAHs. At least one of the individual PAHs was detected above the associated NYSDEC OC-normalized SSC in 30 of the sediment samples. Total PAH concentrations in the sediment samples ranged from non detect in five samples to 117,362 mg/kg OC in the upper silt interval of SD21. The bulk sediment total PAH concentrations, in units of mg/kg (see Appendix B-2), exceeded the ERM guidance value of 44.79 mg/kg (NYSDEC, 1999) in all but two of the samples. None of the eight other detected SVOCs were detected at concentrations above the associated NYSDEC OC-normalized SSCs.

Similar to BTEX compounds, higher PAH concentrations were detected in samples where visual evidence of impact was present. In addition, higher PAH concentrations were generally detected in the shallow samples collected from the upper silt interval, where the potential exists for other, non-MGP related sources, to have contributed to these detected concentrations.

Sediment samples collected from sediment intervals below the visually impacted intervals either had no exceedances of the NYSDEC OC-normalized SSCs, or contained concentrations at least one order of magnitude lower than those detected in the visually impacted zone. This comparison was made on an individual PAH basis.

Figure 4-1 shows the distribution of total PAHs in sediment samples at the Site both as OC-normalized data and bulk sediment data. This figure identifies samples in which at least one of the PAH compounds exceeded the associated NYSDEC OC-normalized SSC. In addition, this figure also identifies sample locations where the bulk sediment total PAH concentrations exceed the ERM. As shown on this figure, the detected concentrations of the bulk sediment total PAHs in the perimeter samples are one to three orders of magnitude lower than the bulk sediment total PAH concentrations from the samples where visible impacts were observed.

4.2 Data Usability Summary

A Data Usability Summary Report (DUSR) has been prepared in accordance with the NYSDEC Guidance for Development of Data Usability Summary Reports (NYSDEC 2001). This report, included on a compact disc in Appendix D, discusses the usability of the data collected during the site investigation. Usability was evaluated by reviewing the data following USEPA Region 2 data validation Standard Operating Procedures (SOPs) as guidance. Where necessary, the Region 2 SOPs were modified to incorporate project-specific or method-specific criteria. Data qualifiers were applied consistent with the Region 2 guidance.

In general, the DUSR concludes that the data are valid as reported and may be used for decision-making purposes. No data were rejected. Selected data points were qualified as nondetected (U), estimated (J), or estimated nondetected result (UJ) based on certain quality control nonconformances, all of which are described in the DUSR.

4.3 Physical Parameter Results

A subset of sediment samples were analyzed for physical parameters including grain size, moisture content, specific gravity, Atterburg limits, and bulk density as indicated in Table 2-1. These results may be used to evaluate the sediment conditions as part of the remedial alternatives evaluation process. The physical parameter analyses are tabulated in Appendix C.

4.4 Sediment Analytical Results Summary

This section provides a summary of the analytical results.

- Sediment adjacent to the upland portion of the Site is characterized as having generally neutral pH with values ranging from 7.06 to 7.75 SU. Slightly basic pH values ranging from 8.20 to 8.39 SU were detected in the silt/clay.

- Detected TOC concentrations in the sediment samples ranged from 1,420 mg/kg to 148,000 mg/kg.

- Based on the depths at which visibly MGP-impacted sediments were encountered (0.5 to 18 feet bml), these sediments are located below the active biological zones, generally considered to be the top 10 to 15 cm of sediment. Contact with sediments at these depths is unlikely for human or ecological receptors.

- BTEX compounds were detected in 34 of the 45 sediment samples collected and exceeded the respective NYSDEC OC-normalized SSCs in 12 samples. In general, BTEX compounds were only detected at concentrations above screening levels in samples where visual evidence of impact was present, with the highest concentrations coinciding with NAPL impacted layers, and lower concentrations coinciding with intervals where sheen or odor was detected.

- Chlorinated and non-chlorinated VOCs other than BTEX were detected in a majority of the 45 samples. Four of these VOCs, isopropylbenzene, 1,1-dichloroethene, trichloroethene and vinyl chloride, exceeded the respective NYSDEC OC-normalized SSC in several samples. The exceedances were primarily detected at the sample locations closest to the former EGP building where trichloroethene and vinyl chloride were detected during the RI of the upland soils within the crawl space beneath the building. These VOCs are not considered to be typical MGP or EGP constituents and are likely due to post MGP and or EGP operations (e.g., operations of the wood worker, granite polisher, or other past operation).

- SVOCs, primarily PAHs, were detected in the sediment samples. At least one of the individual PAHs was detected above the associated NYSDEC OC-normalized SSC in 30 of the sediment samples. Total PAH concentrations in the sediment samples ranged from non detect to 117,362 mg/kg OC. Similar to BTEX compounds, higher PAH concentrations were detected in samples where visual evidence of impact was present.

- Bulk sediment total PAH concentrations exceeded the ERM guidance value (NYSDEC, 1999) in all but two of the samples collected. However, it is noted that the detected concentrations of total PAHs in the perimeter samples are one to three orders of magnitude lower than the total PAH concentrations from the samples where visible impacts were observed and confirm that visual observations of coal tar NAPL identifies potential source areas in sediment.

Table 4-1
Summary of pH Values in Sediment
Pemart Avenue Works Former MGP and EGP - RI Addendum
Consolidated Edison, Peekskill, New York
December 2007

ENSR | AECOM

Location ID	SD17	SD17	SD18	SD19	SD22	SD22	SD23	SD23	SD24	SD24
Sample ID	SD17 (4-5)	SD17 (12-14)	SD18 (0-2)	SD19 (6-8)	SD22 (13-15)	SD22 (7-9)	SD23 (3-5)	SD23 (25-27)	SD24 (6-8)	SD24 (8-10)
Sample Date	12/6/2007	12/6/2007	12/7/2007	12/7/2007	12/11/2007	12/11/2007	12/11/2007	12/11/2007	12/14/2007	12/14/2007
Depth Interval	4- 5	12- 14	0.5- 2	6- 8	13- 15	7- 9	3- 5	25- 27	6- 8	8- 10
Geology	Silt/Clay	Silt/Clay	Upper Silt	Silt/Clay	Peat	Silt	Upper Silt	Silt/Clay	Upper Silt	Sand Lens
pH	8.39	8.20	7.06	8.20	7.75	7.79	7.26	7.50	7.10	7.40

Notes:
All pH results in Standard Units.

Table 4-2
Summary of Detected Total Organic Carbon Concentrations in Sediment
Pemart Avenue Works Former MGP and EGP - RI Addendum
Consolidated Edison, Peekskill, New York
November - December 2007

ENSR | AECOM

		Upper Silt													
Location ID		SD01	SD03	SD03	SD04	SD05	SD09	SD10	SD11	SD11	SD12	SD12	SD13	SD14	SD15
Sample ID		SD1 (8-8.5)	SD3 (1-3)	SD3 (9-10)	SD4 (0-2)	SD5 (0-2)	SD9 (2-4)	SD10 (2-3)	SD11 (6-8)	SD100	SD12 (2-4)	SD101	SD13 (5-7)	SD14 (0-4)	SD15 (0-2)
Sample Date		11/29/2007	11/29/2007	11/29/2007	11/29/2007	11/30/2007	12/5/2007	12/5/2007	12/5/2007	12/5/2007	12/5/2007	12/5/2007	12/6/2007	12/6/2007	12/6/2007
Depth Interval		8- 8.5	1- 3	9- 10	0.5- 2	0.5- 2	2- 4	2- 3	6- 8	6- 8	2- 4	2- 4	5- 7	0.5- 4	0.5- 2
Chemistry	Geology	Upper Silt	Upper Silt	Upper Silt	Upper Silt	Upper Silt	Upper Silt	Upper Silt	Upper Silt	Upper Silt	Upper Silt	Upper Silt	Upper Silt	Upper Silt	Upper Silt
	Unit														
TOTAL ORGANIC CARBON	mg/kg	**83200**	**55500**	**39300**	**62000**	**40200**	**45500**	**77800**	**85800**	**87700.00**	**112000**	**1640**	**15400**	**34600**	**13300**
TOTAL SOLIDS	%	**45.5**	**28.2**	**63.3**	**53.7**	**42.2**	**85.3**	**78.3**	**53.2**	**52.2**	**47.4**	**74.1**	**59.2**	**74.5**	**59.6**

Notes:
--- Not Analyzed

Geology Description	**Average TOC (mg/kg)**
Upper Silt	**59,901.90**
Silt	**18,200.00**
Sand Lenses	**1,420.00**
Peat	**56,000.00**
Silt/Clay	**10,845.00**

Table 4-2
Summary of Detected Total Organic Carbon Concentrations in Sediment
Pemart Avenue Works Former MGP and EGP - RI Addendum
Consolidated Edison, Peekskill, New York
November - December 2007

		Upper Silt							
	Location ID	SD16	SD17	SD17	SD18	SD21	SD23	SD24	SD25
	Sample ID	SD16 (0-2)	SD17 (0-2)	SD102	SD18 (0-2)	SD21 (0-2)	SD23 (3-5)	SD24(6-8)	SD25 (3-4)
	Sample Date	12/6/2007	12/6/2007	12/6/2007	12/7/2007	12/10/2007	12/11/2007	12/12/2007	12/14/2007
	Depth Interval	0.5- 2	0.5- 2	0.5- 2	0.5- 2	0.5- 2	3- 5	6- 8	3- 4
Chemistry	Geology	Upper Silt	Upper Silt	Upper Silt	Upper Silt	Upper Silt	Upper Silt	Upper Silt	Upper Silt
	Unit								
TOTAL ORGANIC CARBON	mg/kg	**148000**	**66400**	**79200**	**36000**	**97800**	**29400**	**46000**	**47200**
TOTAL SOLIDS	%	**48.2**	**50.9**	**49.1**	**42.4**	**56.3**	**37.5**	**---**	**51.3**

Notes:
--- Not Analyzed

Geology Description	**Average TOC (mg/kg)**
Upper Silt	**59,901.90**
Silt	**18,200.00**
Sand Lenses	**1,420.00**
Peat	**56,000.00**
Silt/Clay	**10,845.00**

Table 4-2
Summary of Detected Total Organic Carbon Concentrations in Sediment
Pemart Avenue Works Former MGP and EGP - RI Addendum
Consolidated Edison, Peekskill, New York
November - December 2007

		Silt					
	Location ID	SD03	SD05	SD06	SD09	SD14	SD22
	Sample ID	SD3 (14-16)	SD5 (16-17)	SD6 (16-17)	SD9 (5-7)	SD14 (6-8)	SD22 (7-9)
	Sample Date	11/29/2007	11/30/2007	11/30/2007	12/5/2007	12/6/2007	12/11/2007
	Depth Interval	14- 16	16- 17	16- 17	5- 7	6- 8	7- 9
Chemistry	Geology	Silt	Silt	Silt	Silt	Silt	Silt
	Unit						
TOTAL ORGANIC CARBON	mg/kg	---	---	---	---	---	**18200**
TOTAL SOLIDS	%	**56.9**	**64.5**	**57.7**	**58.6**	**59.6**	**59.7**

Notes:
--- Not Analyzed

Geology Description	**Average TOC (mg/kg)**
Upper Silt	**59,901.90**
Silt	**18,200.00**
Sand Lenses	**1,420.00**
Peat	**56,000.00**
Silt/Clay	**10,845.00**

Table 4-2
Summary of Detected Total Organic Carbon Concentrations in Sediment
Pemart Avenue Works Former MGP and EGP - RI Addendum
Consolidated Edison, Peekskill, New York
November - December 2007

		Sand Lenses			Peat					
	Location ID	SD11	SD13	SD24	SD02	SD03	SD04	SD07	SD13	SD22
	Sample ID	SD11 (16-17)	SD13 (11-13)	SD24 (8-10)	SD2 (10-11)	SD3 (16-16.5)	SD4 (14-15)	SD7 (19-21)	SD13 (15-17)	SD22 (13-15)
	Sample Date	12/5/2007	12/6/2007	12/14/2007	11/29/2007	11/29/2007	11/29/2007	12/3/2007	12/6/2007	12/11/2007
	Depth Interval	16- 17	11- 13	8- 10	10- 11	16- 16.5	14- 15	19- 21	15- 17	13- 15
Chemistry	Geology	Sand Lenses	Sand Lenses	Sand Lenses	Peat	Peat	Peat	Peat	Peat	Peat
	Unit									
TOTAL ORGANIC CARBON	mg/kg	---	---	**1420**	---	---	---	**24800**	---	**87200**
TOTAL SOLIDS	%	**81.0**	**88.6**	**80.0**	**31.8**	**25.4**	**77.9**	**56.9**	**29.5**	**34.0**

Notes:
--- Not Analyzed

Geology Description	**Average TOC (mg/kg)**
Upper Silt	**59,901.90**
Silt	**18,200.00**
Sand Lenses	**1,420.00**
Peat	**56,000.00**
Silt/Clay	**10,845.00**

Table 4-2
Summary of Detected Total Organic Carbon Concentrations in Sediment
Pemart Avenue Works Former MGP and EGP - RI Addendum
Consolidated Edison, Peekskill, New York
November - December 2007

		Silt/Clay								
	Location ID	SD01	SD02	SD02	SD04	SD11	SD12	SD15	SD15	SD16
	Sample ID	SD1 (12-12.5)	SD2 (16.5-17)	SD2 (18-19)	SD4 (6-7)	SD11 (19-20)	SD12 (4-6)	SD15 (4-5)	SD15 (6-7)	SD16 (4-5)
	Sample Date	11/29/2007	11/29/2007	11/29/2007	11/29/2007	12/5/2007	12/5/2007	12/6/2007	12/6/2007	12/6/2007
	Depth Interval	12- 12.5	16.5- 17	18- 19	6- 7	19- 20	4- 6	4- 5	6- 7	4- 5
Chemistry	Geology	Silt/Clay	Silt/Clay	Silt/Clay	Silt/Clay	Silt/Clay	Silt/Clay	Silt/Clay	Silt/Clay	Silt/Clay
	Unit									
TOTAL ORGANIC CARBON	mg/kg	---	---	---	**16000**	---	---	---	---	---
TOTAL SOLIDS	%	71.9	**75.4**	**77.2**	**61.1**	**81.8**	**73.5**	**79.7**	**75.8**	**72.0**

Notes:
--- Not Analyzed

Geology Description	**Average TOC (mg/kg)**
Upper Silt	**59,901.90**
Silt	**18,200.00**
Sand Lenses	**1,420.00**
Peat	**56,000.00**
Silt/Clay	**10,845.00**

Table 4-2
Summary of Detected Total Organic Carbon Concentrations in Sediment
Pemart Avenue Works Former MGP and EGP - RI Addendum
Consolidated Edison, Peekskill, New York
November - December 2007

		Silt/Clay						
	Location ID	SD17	SD17	SD18	SD19	SD21	SD23	SD25
	Sample ID	SD17 (4-5)	SD17 (12-14)	SD18 (5-6)	SD19 (6- 8)	SD21 (4-5)	SD23 (25- 27)	SD25 (4-5)
	Sample Date	12/6/2007	12/6/2007	12/7/2007	12/7/2007	12/10/2007	12/11/2007	12/14/2007
	Depth Interval	4- 5	12- 14	5- 6	6- 8	4- 5	25- 27	4- 5
Chemistry	Geology	Silt/Clay	Silt/Clay	Silt/Clay	Silt/Clay	Silt/Clay	Silt/Clay	Silt/Clay
	Unit							
TOTAL ORGANIC CARBON	mg/kg	---	**1900**	---	**7200**	**5690**	**55000**	---
TOTAL SOLIDS	%	**72.7**	**---**	**73.1**	**---**	**69.7**	**---**	**69.9**

Notes:
--- Not Analyzed

Geology Description	**Average TOC (mg/kg)**
Upper Silt	**59,901.90**
Silt	**18,200.00**
Sand Lenses	**1,420.00**
Peat	**56,000.00**
Silt/Clay	**10,845.00**

Table 4-3
Summary of Detected Volatile Organic Compounds in Sediment (Normalized for Organic Carbon)
Pemart Avenue Works Former MGP and EGP - RI Addendum
Consolidated Edison, Peekskill, New York
November - December 2007

	NYSDEC Sediment Screening Criteria Source: Technical Guidance for Screening Contaminated Sediment (NYSDEC, 1999)		Location ID	SD01	SD02	SD02	SD02	SD03	SD03	SD04
			Sample ID	SD1 (12-12.5)	SD2 (10-11)	SD2 (16.5-17)	SD2 (18-19)	SD3 (14-16)	SD3 (16-16.5)	SD4 (0-2)
			Sample Date	11/29/2007	11/29/2007	11/29/2007	11/29/2007	11/29/2007	11/29/2007	11/29/2007
			Depth Interval(ft)	12- 12.5	10- 11	16.5- 17	18- 19	14- 16	16- 16.5	0.5- 2
			Lithology	Silt/Clay	Peat	Silt/Clay	Silt/Clay	Silt	Peat	Upper Silt
Chemical Name	**Human Health Bio-accumulation**	**Benthic Aquatic Life Chronic Toxicity**	units							
CHEMISTRY										
TOTAL ORGANIC CARBON	NC	NC	%	**1.0845**	**5.6**	**1.0845**	**1.0845**	**1.82**	**5.6**	**6.2**
TOTAL SOLIDS	NC	NC	%	**71.9**	**31.8**	**75.4**	**77.2**	**56.9**	**25.4**	**53.7**
VOC-BTEX										
BENZENE	0.6	26	mg/kg OC	**0.0562 J**	0.8929 UJ	0.3965 U	0.461 U	***60.4396***	***119.6429 J***	**0.0355 J**
TOLUENE	NC	45	mg/kg OC	0.7284 U	0.8929 UJ	0.3965 U	0.461 U	**4.5604**	**10.5357 J**	0.1774 U
ETHYLBENZENE	NC	6.4	mg/kg OC	0.7284 U	**0.0625 J**	0.3965 U	0.461 U	***379.1209***	***625 J***	**0.0452 J**
XYLENE, M&P-	NC	27	mg/kg OC	0.7284 U	**0.1464 J**	0.3965 U	0.461 U	***269.2308***	***482.1429 J***	0.1774 U
XYLENE, O-	NC	27	mg/kg OC	0.7284 U	0.8929 UJ	0.3965 U	0.461 U	***142.8571***	***232.1429 J***	**0.1016 J**
TOTAL BTEX (CALCULATED)	NC	NC	mg/kg OC	**0.0562**	**0.2089**			**856.2088**	**1469.4643**	**0.1823**
VOC										
1,1,2-TRICHLOROETHANE	0.6	NC	mg/kg OC	0.7284 U	0.8929 UJ	0.3965 U	0.461 U	0.3407 U	0.375 UJ	0.1774 U
1,1-DICHLOROETHANE	0.7	NC	mg/kg OC	0.7284 U	0.8929 UJ	0.3965 U	0.461 U	0.3407 U	0.375 UJ	0.1774 U
1,1-DICHLOROETHENE	0.02	NC	mg/kg OC	0.7284 U	0.8929 UJ	0.3965 U	0.461 U	0.3407 U	0.375 UJ	0.1774 U
1,2-DICHLOROBENZENE	NC	12	mg/kg OC	0.7284 U	0.8929 UJ	0.3965 UJ	0.461 U	0.3407 U	33.9286 UJ	0.1774 UJ
1,2-DICHLOROETHANE	NC	NC	mg/kg OC	0.7284 U	0.8929 UJ	0.3965 U	0.461 U	0.3407 U	**2.1429 J**	0.1774 U
2-BUTANONE	NC	NC	mg/kg OC	1.4753 U	1.7857 UJ	**0.8114 J**	**0.332 J**	**1.1538**	**1.9643 J**	**0.9839**
ACETONE	NC	NC	mg/kg OC	**1.0143 J**	**8.9286 J**	**4.0572**	**1.752 J**	**6.044**	**9.1071 J**	**4.5161**
BROMOFORM	NC	NC	mg/kg OC	**0.0692 J**	**0.0839 J**	0.3965 U	0.461 U	0.3407 U	0.375 UJ	0.1774 U
CARBON DISULFIDE	NC	NC	mg/kg OC	1.4753 U	**2.3214 J**	**0.4795 J**	**0.166 J**	**0.2527 J**	**1.9643 J**	**0.7258**
CHLOROETHANE	NC	NC	mg/kg OC	1.4753 U	1.7857 UJ	0.793 U	0.9221 U	0.6593 U	0.75 UJ	0.3387 U
CHLOROMETHANE (METHYL CHLORIDE)	NC	NC	mg/kg OC	0.7284 U	0.8929 UJ	0.3965 U	0.461 U	0.3407 U	0.375 UJ	0.1774 U
CIS-1,2-DICHLOROETHENE	NC	NC	mg/kg OC	**0.1568 J**	0.8929 UJ	0.3965 U	0.461 U	0.3407 U	0.375 UJ	0.1774 U
CYCLOHEXANE	NC	NC	mg/kg OC	0.7284 U	0.8929 UJ	0.3965 U	0.461 U	**0.0511 J**	0.375 UJ	**0.0484 J**
DICHLOROMETHANE	NC	NC	mg/kg OC	0.7284 U	0.8929 UJ	0.3965 U	0.461 U	0.3407 U	0.375 UJ	**0.015 J**
ISOPROPYLBENZENE	NC	12	mg/kg OC	0.7284 U	0.8929 UJ	0.3965 U	0.461 U	***30.7692***	**6.9643 J**	**0.5968**
METHYL ACETATE	NC	NC	mg/kg OC	1.4753 U	1.7857 UJ	**0.083 J**	0.9221 U	0.6593 U	0.75 UJ	0.3387 U
METHYL TERT-BUTYL ETHER	NC	NC	mg/kg OC	0.7284 U	0.8929 UJ	0.3965 U	0.461 U	0.3407 U	0.375 UJ	0.1774 U
METHYLCYLOHEXANE	NC	NC	mg/kg OC	**0.0562 J**	0.8929 UJ	0.3965 U	0.461 U	**0.2912 J**	0.375 UJ	**0.1387 J**
TETRACHLOROETHENE	NC	NC	mg/kg OC	0.7284 U	0.8929 UJ	0.3965 U	0.461 U	0.3407 U	0.375 UJ	0.1774 U
TRANS-1,2-DICHLOROETHENE	NC	NC	mg/kg OC	0.7284 U	0.8929 UJ	0.3965 U	0.461 U	0.3407 U	0.375 UJ	0.1774 U
TRICHLOROETHENE	2	NC	mg/kg OC	**0.4149 J**	**0.0732 J**	0.3965 U	0.461 U	**0.0319 J**	0.375 UJ	**0.0142 J**
VINYL CHLORIDE	0.07	NC	mg/kg OC	0.7284 U	0.8929 UJ	0.3965 U	0.461 U	0.3407 U	0.375 UJ	0.1774 U

Notes:
Only compounds which were detected in at least one sample are shown.
mg/kg OC - mg/kg normalized for organic carbon
NC = No NYSDEC Criteria
J = Estimated Value
U = Not Detected
Boldface indicates detected concentration
Indicates exceedance of Human Health Bioaccumulation
Indicates exceedance of Benthic Aquatic Life Chronic Toxicity
Indicates exceedance of both Human Health Bioaccumulation and Benthic Aquatic Life Chronic Toxicity

Table 4-3
Summary of Detected Volatile Organic Compounds in Sediment (Normalized for Organic Carbon)
Pemart Avenue Works Former MGP and EGP - RI Addendum
Consolidated Edison, Peekskill, New York
November - December 2007

Chemical Name	NYSDEC Sediment Screening Criteria Source: Technical Guidance for Screening Contaminated Sediment (NYSDEC, 1999) Human Health Bio-accumulation	NYSDEC Sediment Screening Criteria Source: Technical Guidance for Screening Contaminated Sediment (NYSDEC, 1999) Benthic Aquatic Life Chronic Toxicity	Location ID	SD04	SD04	SD05	SD05	SD06	SD07	SD09
			Sample ID	SD4 (14-15)	SD4 (6-7)	SD5 (0-2)	SD5 (16-17)	SD6 (16-17)	SD7 (19-21)	SD9 (2-4)
			Sample Date	11/29/2007	11/29/2007	11/30/2007	11/30/2007	11/30/2007	12/3/2007	12/5/2007
			Depth Interval(ft)	14- 15	6- 7	0.5- 2	16- 17	16- 17	19- 21	2- 4
			Lithology	Peat	Silt/Clay	Upper Silt	Silt	Silt	Peat	Upper Silt
			units							
CHEMISTRY										
TOTAL ORGANIC CARBON	NC	NC	%	**5.6**	**1.6**	**4.02**	**1.82**	**1.82**	**2.48**	**4.55**
TOTAL SOLIDS	NC	NC	%	**77.9**	**61.1**	**42.2**	**64.5**	**57.7**	**56.9**	**85.3**
VOC-BTEX										
BENZENE	0.6	26	mg/kg OC	0.1125 U	0.875 U	**0.0522 J**	**0.1978 J**	0.6044 U	0.3548 U	16.044 U
TOLUENE	NC	45	mg/kg OC	0.1125 U	0.875 U	0.8209 UJ	1.978 U	0.6044 U	0.3548 U	16.044 U
ETHYLBENZENE	NC	6.4	mg/kg OC	**0.0071 J**	0.875 U	**0.0647 J**	**0.1429 J**	0.6044 U	**0.1008 J**	***21.978***
XYLENE, M&P-	NC	27	mg/kg OC	0.1125 U	0.875 U	**0.1119 J**	1.978 U	0.6044 U	**0.0565 J**	**1.8242 J**
XYLENE, O-	NC	27	mg/kg OC	0.1125 U	0.875 U	0.8209 UJ	1.978 U	0.6044 U	**0.0565 J**	**3.956 J**
TOTAL BTEX (CALCULATED)	NC	NC	mg/kg OC	**0.0071**		**0.2289**	**0.3407**		**0.2137**	**27.7582**
VOC										
1,1,2-TRICHLOROETHANE	0.6	NC	mg/kg OC	0.1125 U	0.875 U	0.8209 UJ	1.978 U	0.6044 U	0.3548 U	16.044 U
1,1-DICHLOROETHANE	0.7	NC	mg/kg OC	0.1125 U	0.875 U	0.8209 UJ	1.978 U	0.6044 U	0.3548 U	16.044 U
1,1-DICHLOROETHENE	0.02	NC	mg/kg OC	0.1125 U	0.875 U	0.8209 UJ	1.978 U	0.6044 U	0.3548 U	16.044 U
1,2-DICHLOROBENZENE	NC	12	mg/kg OC	0.1125 U	0.875 U	0.8209 UJ	1.978 U	0.6044 U	0.3548 U	16.044 U
1,2-DICHLOROETHANE	NC	NC	mg/kg OC	0.1125 U	0.875 U	0.8209 UJ	1.978 U	0.6044 U	0.3548 U	16.044 U
2-BUTANONE	NC	NC	mg/kg OC	**0.375**	**2.75**	**1.4677 J**	**2.8022 J**	**1.2637**	**0.6855 J**	32.967 UJ
ACETONE	NC	NC	mg/kg OC	**2.1429**	**14.375**	**8.9552 J**	**15.9341**	**6.5934**	**3.75**	63.7363 UJ
BROMOFORM	NC	NC	mg/kg OC	0.1125 U	0.875 U	0.8209 UJ	1.978 U	0.6044 U	0.3548 U	16.044 U
CARBON DISULFIDE	NC	NC	mg/kg OC	**0.1643 J**	**1 J**	**0.398 J**	**2.4725 J**	**0.2473 J**	**0.9274**	32.967 U
CHLOROETHANE	NC	NC	mg/kg OC	0.2321 U	1.75 U	1.6169 UJ	3.956 U	1.2088 U	0.7258 U	**1.9341 J**
CHLOROMETHANE (METHYL CHLORIDE)	NC	NC	mg/kg OC	**0.008 J**	0.875 U	0.8209 UJ	1.978 U	**0.0429 J**	0.3548 U	16.044 U
CIS-1,2-DICHLOROETHENE	NC	NC	mg/kg OC	0.1125 U	0.875 U	0.8209 UJ	**0.1978 J**	0.6044 U	**0.0335 J**	16.044 U
CYCLOHEXANE	NC	NC	mg/kg OC	0.1125 U	0.875 U	**0.0547 J**	1.978 U	0.6044 U	0.3548 U	16.044 U
DICHLOROMETHANE	NC	NC	mg/kg OC	0.1125 U	**0.0625 J**	0.8209 UJ	1.978 U	**0.0516 J**	0.3548 U	16.044 U
ISOPROPYLBENZENE	NC	12	mg/kg OC	0.1125 U	0.875 U	0.8209 UJ	1.978 U	**0.039 J**	**0.0242 J**	***13.6264 J***
METHYL ACETATE	NC	NC	mg/kg OC	0.2321 U	1.75 U	**0.2114 J**	3.956 U	**0.1429 J**	0.7258 U	32.967 U
METHYL TERT-BUTYL ETHER	NC	NC	mg/kg OC	0.1125 U	0.875 U	0.8209 UJ	1.978 U	0.6044 U	0.3548 UJ	16.044 U
METHYLCYLOHEXANE	NC	NC	mg/kg OC	0.1125 U	0.875 U	**0.0771 J**	1.978 U	0.6044 U	0.3548 U	16.044 U
TETRACHLOROETHENE	NC	NC	mg/kg OC	0.1125 U	0.875 U	0.8209 UJ	1.978 U	0.6044 U	0.3548 U	16.044 U
TRANS-1,2-DICHLOROETHENE	NC	NC	mg/kg OC	0.1125 U	0.875 U	0.8209 UJ	1.978 U	0.6044 U	0.3548 U	16.044 U
TRICHLOROETHENE	2	NC	mg/kg OC	0.1125 U	0.875 U	**0.0771 J**	**1.4286 J**	0.6044 U	0.3548 U	16.044 U
VINYL CHLORIDE	0.07	NC	mg/kg OC	0.1125 U	0.875 U	0.8209 UJ	1.978 U	0.6044 U	0.3548 U	16.044 U

Notes:
Only compounds which were detected in at least one sample are shown.
mg/kg OC - mg/kg normalized for organic carbon
NC = No NYSDEC Criteria
J = Estimated Value
U = Not Detected
Boldface indicates detected concentration
Indicates exceedance of Human Health Bioaccumulation
Indicates exceedance of Benthic Aquatic Life Chronic Toxicity
Indicates exceedance of both Human Health Bioaccumulation and Benthic Aquatic Life Chronic Toxicity

Table 4-3
Summary of Detected Volatile Organic Compounds in Sediment (Normalized for Organic Carbon)
Pemart Avenue Works Former MGP and EGP - RI Addendum
Consolidated Edison, Peekskill, New York
November - December 2007

	NYSDEC Sediment Screening Criteria Source: Technical Guidance for Screening Contaminated Sediment (NYSDEC, 1999)		Location ID	SD09	SD10	SD11	SD11	SD11	SD11	SD12
			Sample ID	SD9 (5-7)	SD10 (2-3)	SD11 (16-17)	SD11 (19-20)	SD100	SD11 (6-8)	SD101
			Sample Date	12/5/2007	12/5/2007	12/5/2007	12/5/2007	12/5/2007	12/5/2007	12/5/2007
			Depth Interval(ft)	5- 7	2- 3	16- 17	19- 20	6- 8	6- 8	2- 4
			Lithology	Silt	Upper Silt	Sand Lens	Silt/Clay	Upper Silt	Upper Silt	Upper Silt
Chemical Name	**Human Health Bio-accumulation**	**Benthic Aquatic Life Chronic Toxicity**	units							
CHEMISTRY										
TOTAL ORGANIC CARBON	NC	NC	%	**1.82**	**7.78**	**0.142**	**1.0845**	**8.77**	**8.58**	**0.164**
TOTAL SOLIDS	NC	NC	%	**58.6**	**78.3**	**81.0**	**81.8**	**52.2**	**53.2**	**74.1**
VOC-BTEX										
BENZENE	0.6	26	mg/kg OC	**0.0714 J**	***3.9846 J***	***32.3944***	***2.5818 J***	***4.7891***	***5.2448***	4.0854 U
TOLUENE	NC	45	mg/kg OC	0.467 U	**0.7584 J**	4.3662 U	**11.065**	**0.2052**	0.5478 U	4.0854 U
ETHYLBENZENE	NC	6.4	mg/kg OC	**0.1484 J**	**5.7841 J**	***11.2676***	***19.3638***	***9.008 J***	**3.2634 J**	4.0854 U
XYLENE, M&P-	NC	27	mg/kg OC	**0.0934 J**	**1.7995 J**	**1.0563 J**	**13.8313**	**1.2543**	**1.3986**	4.0854 U
XYLENE, O-	NC	27	mg/kg OC	**0.0824 J**	**2.8278 J**	**0.9859 J**	**7.1**	**5.2452**	**3.9627**	4.0854 U
TOTAL BTEX (CALCULATED)	NC	NC	mg/kg OC	**0.3956**	**15.1542**	**45.7042**	**53.9419**	**20.5017**	**13.8695**	
VOC										
1,1,2-TRICHLOROETHANE	0.6	NC	mg/kg OC	0.467 U	10.2828 U	4.3662 U	2.8585 U	0.1095 U	0.5478 U	4.0854 U
1,1-DICHLOROETHANE	0.7	NC	mg/kg OC	0.467 U	10.2828 U	4.3662 U	2.8585 U	0.1095 U	0.5478 U	4.0854 U
1,1-DICHLOROETHENE	0.02	NC	mg/kg OC	0.467 U	10.2828 U	4.3662 U	2.8585 U	0.1095 U	0.5478 U	4.0854 U
1,2-DICHLOROBENZENE	NC	12	mg/kg OC	0.467 U	10.2828 U	4.3662 U	2.8585 U	0.1095 UJ	0.5478 U	4.0854 U
1,2-DICHLOROETHANE	NC	NC	mg/kg OC	0.467 U	10.2828 U	**0.7042 J**	2.8585 UJ	0.1095 U	**0.1282 J**	4.0854 U
2-BUTANONE	NC	NC	mg/kg OC	**1.044**	20.5656 UJ	**1.7606 J**	5.6247 U	**1.2543 J**	**2.6807 J**	7.9268 U
ACETONE	NC	NC	mg/kg OC	**6.044**	**5.7841 J**	**13.3803 J**	**5.7169 J**	**3.8769 J**	**10.4895 J**	**4.7561 J**
BROMOFORM	NC	NC	mg/kg OC	0.467 U	10.2828 U	4.3662 U	2.8585 U	0.1095 U	0.5478 U	4.0854 U
CARBON DISULFIDE	NC	NC	mg/kg OC	**0.6593 J**	20.5656 U	**3.0986 J**	5.6247 U	**0.057 J**	**0.3963 J**	7.9268 U
CHLOROETHANE	NC	NC	mg/kg OC	0.9341 U	20.5656 U	8.4507 U	5.6247 U	0.2166 U	1.0956 U	7.9268 U
CHLOROMETHANE (METHYL CHLORIDE)	NC	NC	mg/kg OC	0.467 U	10.2828 U	4.3662 U	2.8585 U	0.1095 U	0.5478 U	4.0854 U
CIS-1,2-DICHLOROETHENE	NC	NC	mg/kg OC	0.467 U	10.2828 U	4.3662 U	2.8585 U	0.1095 U	0.5478 U	**4.7561 J**
CYCLOHEXANE	NC	NC	mg/kg OC	0.467 U	10.2828 U	4.3662 U	2.8585 U	**0.0285 J**	**0.0548 J**	4.0854 U
DICHLOROMETHANE	NC	NC	mg/kg OC	0.467 U	10.2828 U	4.3662 U	**0.3135 J**	0.1095 U	0.5478 U	**0.372 J**
ISOPROPYLBENZENE	NC	12	mg/kg OC	0.467 U	***17.9949***	**5.8451**	**1.1065 J**	***21.6648***	***16.317***	4.0854 U
METHYL ACETATE	NC	NC	mg/kg OC	0.9341 U	20.5656 U	8.4507 U	5.6247 U	0.2166 U	1.0956 U	7.9268 U
METHYL TERT-BUTYL ETHER	NC	NC	mg/kg OC	0.467 UJ	10.2828 U	4.3662 UJ	2.8585 U	0.1095 U	0.5478 U	4.0854 U
METHYLCYLOHEXANE	NC	NC	mg/kg OC	0.467 U	10.2828 U	4.3662 U	2.8585 U	**0.1254**	**0.2448 J**	4.0854 U
TETRACHLOROETHENE	NC	NC	mg/kg OC	0.467 U	10.2828 U	4.3662 U	2.8585 U	0.1095 U	0.5478 U	4.0854 U
TRANS-1,2-DICHLOROETHENE	NC	NC	mg/kg OC	0.467 U	10.2828 U	4.3662 U	2.8585 U	0.1095 U	0.5478 U	4.0854 U
TRICHLOROETHENE	2	NC	mg/kg OC	0.467 U	10.2828 U	4.3662 U	**0.2213 J**	**0.0262 J**	**0.0699 J**	**1.4024 J**
VINYL CHLORIDE	0.07	NC	mg/kg OC	0.467 U	10.2828 U	4.3662 U	2.8585 U	0.1095 U	0.5478 U	4.0854 U

Notes:
Only compounds which were detected in at least one sample are shown.
mg/kg OC - mg/kg normalized for organic carbon
NC = No NYSDEC Criteria
J = Estimated Value
U = Not Detected
Boldface indicates detected concentration
Indicates exceedance of Human Health Bioaccumulation
Indicates exceedance of Benthic Aquatic Life Chronic Toxicity
Indicates exceedance of both Human Health Bioaccumulation and Benthic Aquatic Life Chronic Toxicity

Table 4-3
Summary of Detected Volatile Organic Compounds in Sediment (Normalized for Organic Carbon)
Pemart Avenue Works Former MGP and EGP - RI Addendum
Consolidated Edison, Peekskill, New York
November - December 2007

Chemical Name	NYSDEC Sediment Screening Criteria Source: Technical Guidance for Screening Contaminated Sediment (NYSDEC, 1999) Human Health Bio-accumulation	NYSDEC Sediment Screening Criteria Source: Technical Guidance for Screening Contaminated Sediment (NYSDEC, 1999) Benthic Aquatic Life Chronic Toxicity	Location ID	SD12	SD12	SD13	SD13	SD13	SD14	SD14
			Sample ID	SD12 (2-4)	SD12 (4-6)	SD13 (11-13)	SD13 (15-17)	SD13 (5-7)	SD14 (0-4)	SD14 (6-8)
			Sample Date	12/5/2007	12/5/2007	12/6/2007	12/6/2007	12/6/2007	12/6/2007	12/6/2007
			Depth Interval(ft)	2- 4	4- 6	11- 13	15- 17	5- 7	.5- 4	6- 8
			Lithology	Upper Silt	Silt/Clay	Sand Lens	Peat	Upper Silt	Upper Silt	Silt
			units							
CHEMISTRY										
TOTAL ORGANIC CARBON	NC	NC	%	**11.2**	**1.0845**	**0.142**	**5.6**	**1.54**	**3.46**	**1.82**
TOTAL SOLIDS	NC	NC	%	**47.4**	**73.5**	**88.6**	**29.5**	**59.2**	**74.5**	**59.6**
VOC-BTEX										
BENZENE	0.6	26	mg/kg OC	**0.0107 J**	0.627 U	3.9437 U	0.3036 UJ	0.5455 U	98.2659 U	***3.1319***
TOLUENE	NC	45	mg/kg OC	0.0982 UJ	0.627 U	3.9437 U	0.3036 UJ	0.5455 U	98.2659 U	**4.4505 J**
ETHYLBENZENE	NC	6.4	mg/kg OC	**0.0116 J**	0.627 U	3.9437 U	**0.0232 J**	0.5455 U	98.2659 U	***7.1429***
XYLENE, M&P-	NC	27	mg/kg OC	**0.058 J**	0.627 U	3.9437 U	0.3036 UJ	0.5455 U	98.2659 U	**0.3791 J**
XYLENE, O-	NC	27	mg/kg OC	**0.0339 J**	0.627 U	3.9437 U	0.3036 UJ	0.5455 U	98.2659 U	**0.478 J**
TOTAL BTEX (CALCULATED)	NC	NC	mg/kg OC	**0.1143**			**0.0232**			**15.5824**
VOC										
1,1,2-TRICHLOROETHANE	0.6	NC	mg/kg OC	0.0982 UJ	0.627 U	3.9437 U	0.3036 UJ	0.5455 U	98.2659 U	2.3077 U
1,1-DICHLOROETHANE	0.7	NC	mg/kg OC	0.0982 UJ	0.627 U	3.9437 U	0.3036 UJ	0.5455 U	98.2659 U	2.3077 U
1,1-DICHLOROETHENE	0.02	NC	mg/kg OC	0.0982 UJ	0.627 U	3.9437 U	0.3036 UJ	0.5455 U	98.2659 U	***1.0989 J***
1,2-DICHLOROBENZENE	NC	12	mg/kg OC	0.0982 UJ	0.627 U	3.9437 U	0.3036 UJ	0.5455 UJ	98.2659 U	2.3077 U
1,2-DICHLOROETHANE	NC	NC	mg/kg OC	0.0982 UJ	0.627 U	3.9437 U	0.3036 UJ	0.5455 UJ	98.2659 U	2.3077 UJ
2-BUTANONE	NC	NC	mg/kg OC	**0.3393 J**	**0.2029 J**	**2.2535 J**	**0.9643 J**	**0.3312 J**	193.6416 UJ	4.6154 U
ACETONE	NC	NC	mg/kg OC	**1.3393 J**	**0.9221 J**	**8.4507 J**	**5.5357 J**	**1.4286 J**	375.7225 UJ	**9.8901**
BROMOFORM	NC	NC	mg/kg OC	0.0982 UJ	0.627 U	3.9437 U	0.3036 UJ	0.5455 UJ	98.2659 U	2.3077 U
CARBON DISULFIDE	NC	NC	mg/kg OC	**0.0411 J**	**0.0415 J**	**4.3662 J**	**0.8393 J**	**0.7143 J**	193.6416 U	**5.1648**
CHLOROETHANE	NC	NC	mg/kg OC	0.1875 UJ	1.2909 U	7.7465 U	0.6071 UJ	1.1039 U	193.6416 U	4.6154 U
CHLOROMETHANE (METHYL CHLORIDE)	NC	NC	mg/kg OC	0.0982 UJ	0.627 U	3.9437 U	0.3036 UJ	0.5455 U	98.2659 U	2.3077 U
CIS-1,2-DICHLOROETHENE	NC	NC	mg/kg OC	**0.0223 J**	0.627 U	**0.3169 J**	**0.0607 J**	0.5455 U	**34.6821 J**	**137.3626 J**
CYCLOHEXANE	NC	NC	mg/kg OC	**0.0179 J**	0.627 U	3.9437 U	0.3036 UJ	0.5455 U	98.2659 U	2.3077 U
DICHLOROMETHANE	NC	NC	mg/kg OC	**0.0125 J**	0.627 U	3.9437 U	**0.0321 J**	**0.0584 J**	98.2659 U	**0.2198 J**
ISOPROPYLBENZENE	NC	12	mg/kg OC	**0.0732 J**	0.627 U	3.9437 U	0.3036 UJ	0.5455 U	98.2659 U	**1.4835 J**
METHYL ACETATE	NC	NC	mg/kg OC	0.1875 UJ	1.2909 U	7.7465 U	0.6071 UJ	1.1039 U	193.6416 U	4.6154 U
METHYL TERT-BUTYL ETHER	NC	NC	mg/kg OC	0.0982 UJ	0.627 UJ	3.9437 UJ	0.3036 UJ	0.5455 U	98.2659 U	2.3077 U
METHYLCYLOHEXANE	NC	NC	mg/kg OC	**0.0286 J**	0.627 U	3.9437 U	0.3036 UJ	0.5455 U	98.2659 U	2.3077 U
TETRACHLOROETHENE	NC	NC	mg/kg OC	0.0982 UJ	0.627 U	3.9437 U	0.3036 UJ	0.5455 U	98.2659 U	2.3077 U
TRANS-1,2-DICHLOROETHENE	NC	NC	mg/kg OC	0.0982 UJ	0.627 U	3.9437 U	0.3036 UJ	0.5455 U	98.2659 U	**13.7363**
TRICHLOROETHENE	2	NC	mg/kg OC	**0.017 J**	0.627 U	3.9437 U	**0.0554 J**	**0.0571 J**	***317.9191***	***714.2857 J***
VINYL CHLORIDE	0.07	NC	mg/kg OC	0.0982 UJ	0.627 U	3.9437 U	0.3036 UJ	0.5455 U	98.2659 U	***5.1648***

Notes:
Only compounds which were detected in at least one sample are shown.
mg/kg OC - mg/kg normalized for organic carbon
NC = No NYSDEC Criteria
J = Estimated Value
U = Not Detected
Boldface indicates detected concentration
Indicates exceedance of Human Health Bioaccumulation
Indicates exceedance of Benthic Aquatic Life Chronic Toxicity
Indicates exceedance of both Human Health Bioaccumulation and Benthic Aquatic Life Chronic Toxicity

Table 4-3
Summary of Detected Volatile Organic Compounds in Sediment (Normalized for Organic Carbon)
Pemart Avenue Works Former MGP and EGP - RI Addendum
Consolidated Edison, Peekskill, New York
November - December 2007

	NYSDEC Sediment Screening Criteria Source: Technical Guidance for Screening Contaminated Sediment (NYSDEC, 1999)		Location ID	SD15	SD15	SD15	SD16	SD16	SD17	SD17
			Sample ID	SD15 (0-2)	SD15 (4-5)	SD15 (6-7)	SD16 (0-2)	SD16 (4-5)	SD102	SD17 (0-2)
			Sample Date	12/6/2007	12/6/2007	12/6/2007	12/6/2007	12/6/2007	12/6/2007	12/6/2007
			Depth Interval(ft)	.5- 2	4- 5	6- 7	.5- 2	4- 5	0.5- 2	0.5- 2
			Lithology	Upper Silt	Silt/Clay	Silt/Clay	Upper Silt	Silt/Clay	Upper Silt	Upper Silt
Chemical Name	**Human Health Bio-accumulation**	**Benthic Aquatic Life Chronic Toxicity**	units							
CHEMISTRY										
TOTAL ORGANIC CARBON	NC	NC	%	**1.33**	**1.0845**	**1.0845**	**14.8**	**1.0845**	**7.92**	**6.64**
TOTAL SOLIDS	NC	NC	%	**59.6**	**79.7**	**75.8**	**48.2**	**72.0**	**49.1**	**50.9**
VOC-BTEX										
BENZENE	0.6	26	mg/kg OC	**0.2556 J**	0.5809 U	0.6086 U	**0.0311 J**	**0.0424 J**	**0.0152 J**	0.738 U
TOLUENE	NC	45	mg/kg OC	3.1579 U	0.5809 U	0.6086 U	**0.0946 J**	0.6362 U	0.1263 UJ	**0.0708 J**
ETHYLBENZENE	NC	6.4	mg/kg OC	**0.3008 J**	0.5809 U	0.6086 U	**0.0311 J**	0.6362 U	**0.024 J**	0.738 U
XYLENE, M&P-	NC	27	mg/kg OC	3.1579 U	0.5809 U	0.6086 U	**0.0878 J**	0.6362 U	**0.1212 J**	**0.2861 J**
XYLENE, O-	NC	27	mg/kg OC	**0.2256 J**	0.5809 U	0.6086 U	**0.048 J**	0.6362 U	**0.0518 J**	0.738 U
TOTAL BTEX (CALCULATED)	NC	NC	mg/kg OC	**0.782**			**0.2926**	**0.0424**	**0.2121**	**0.3569**
VOC										
1,1,2-TRICHLOROETHANE	0.6	NC	mg/kg OC	3.1579 U	**0.2305 J**	**0.1936 J**	0.3514 UJ	0.6362 U	0.1263 UJ	0.738 U
1,1-DICHLOROETHANE	0.7	NC	mg/kg OC	3.1579 U	**0.0489 J**	0.6086 U	0.3514 UJ	0.6362 U	0.1263 UJ	0.738 U
1,1-DICHLOROETHENE	0.02	NC	mg/kg OC	***1.0526 J***	***0.3781 J***	***0.2766 J***	0.3514 UJ	0.6362 U	0.1263 UJ	0.738 U
1,2-DICHLOROBENZENE	NC	12	mg/kg OC	3.1579 U	0.5809 U	0.6086 U	0.3514 UJ	0.6362 U	0.1263 UJ	0.738 U
1,2-DICHLOROETHANE	NC	NC	mg/kg OC	3.1579 UJ	0.5809 U	0.6086 UJ	0.3514 UJ	0.6362 U	0.1263 UJ	0.738 U
2-BUTANONE	NC	NC	mg/kg OC	6.3158 U	1.1987 U	1.1987 U	**0.8108 J**	1.2909 U	**0.2525 J**	**0.5873 J**
ACETONE	NC	NC	mg/kg OC	**6.9173 J**	**0.9036 J**	**0.9129 J**	**3.3784 J**	**0.6178 J**	**1.1111 J**	**2.5602 J**
BROMOFORM	NC	NC	mg/kg OC	3.1579 U	0.5809 U	0.6086 U	0.3514 UJ	0.6362 U	0.1263 UJ	0.738 U
CARBON DISULFIDE	NC	NC	mg/kg OC	**4.2857 J**	**0.0904 J**	**0.0599 J**	**0.1216 J**	**0.0535 J**	**0.0467 J**	**0.1386 J**
CHLOROETHANE	NC	NC	mg/kg OC	6.3158 U	1.1987 U	1.1987 U	0.6757 UJ	1.2909 U	0.2525 UJ	1.4759 U
CHLOROMETHANE (METHYL CHLORIDE)	NC	NC	mg/kg OC	3.1579 U	0.5809 U	0.6086 U	0.3514 UJ	0.6362 U	0.1263 UJ	0.738 U
CIS-1,2-DICHLOROETHENE	NC	NC	mg/kg OC	**413.5338 J**	**11.065 J**	**16.5975**	0.3514 UJ	**1.5675**	**0.1515 J**	0.738 U
CYCLOHEXANE	NC	NC	mg/kg OC	3.1579 U	0.5809 U	0.6086 U	0.3514 UJ	0.6362 U	**0.0126 J**	0.738 U
DICHLOROMETHANE	NC	NC	mg/kg OC	**0.3008 J**	0.5809 U	**0.0572 J**	**0.0338 J**	**0.0655 J**	**0.0139 J**	**0.0648 J**
ISOPROPYLBENZENE	NC	12	mg/kg OC	**0.2556 J**	0.5809 U	0.6086 U	**0.6419 J**	0.6362 U	**1.2626 J**	**3.012 J**
METHYL ACETATE	NC	NC	mg/kg OC	6.3158 U	1.1987 U	1.1987 U	0.6757 UJ	1.2909 U	0.2525 UJ	1.4759 U
METHYL TERT-BUTYL ETHER	NC	NC	mg/kg OC	3.1579 U	**0.0516 J**	0.6086 U	0.3514 UJ	0.6362 U	0.1263 UJ	0.738 U
METHYLCYLOHEXANE	NC	NC	mg/kg OC	3.1579 U	0.5809 U	0.6086 U	**0.0743 J**	0.6362 U	**0.0417 J**	**0.1657 J**
TETRACHLOROETHENE	NC	NC	mg/kg OC	3.1579 U	**0.5348 J**	**0.0913 J**	0.3514 UJ	0.6362 U	0.1263 UJ	0.738 U
TRANS-1,2-DICHLOROETHENE	NC	NC	mg/kg OC	**9.7744**	**0.461 J**	**0.1475 J**	0.3514 UJ	0.6362 U	0.1263 UJ	0.738 U
TRICHLOROETHENE	2	NC	mg/kg OC	***172.9323***	***129.0917***	***88.5201 J***	0.3514 UJ	**1.6598**	**1.2121 J**	0.738 UJ
VINYL CHLORIDE	0.07	NC	mg/kg OC	***8.2707***	***2.3052***	***1.3831***	0.3514 UJ	***0.1383 J***	0.1263 UJ	0.738 U

Notes:
Only compounds which were detected in at least one sample are shown.
mg/kg OC - mg/kg normalized for organic carbon
NC = No NYSDEC Criteria
J = Estimated Value
U = Not Detected
Boldface indicates detected concentration
Indicates exceedance of Human Health Bioaccumulation
Indicates exceedance of Benthic Aquatic Life Chronic Toxicity
Indicates exceedance of both Human Health Bioaccumulation and Benthic Aquatic Life Chronic Toxicity

Table 4-3
Summary of Detected Volatile Organic Compounds in Sediment (Normalized for Organic Carbon)
Pemart Avenue Works Former MGP and EGP - RI Addendum
Consolidated Edison, Peekskill, New York
November - December 2007

Chemical Name	NYSDEC Sediment Screening Criteria Source: Technical Guidance for Screening Contaminated Sediment (NYSDEC, 1999) Human Health Bio-accumulation	NYSDEC Sediment Screening Criteria Source: Technical Guidance for Screening Contaminated Sediment (NYSDEC, 1999) Benthic Aquatic Life Chronic Toxicity	Location ID / Sample ID / Sample Date / Depth Interval(ft) / Lithology / units	SD17 SD17 (4-5) 12/6/2007 4- 5 Silt/Clay	SD18 SD18 (0-2) 12/7/2007 0.5- 2 Upper Silt	SD18 SD18 (5-6) 12/7/2007 5- 6 Silt/Clay	SD21 SD21 (0-2) 12/10/2007 0.5- 2 Upper Silt	SD21 SD21 (4-5) 12/10/2007 4- 5 Silt/Clay	SD22 SD22 (13-15) 12/11/2007 13- 15 Peat	SD22 SD22 (7-9) 12/11/2007 7- 9 Silt
CHEMISTRY										
TOTAL ORGANIC CARBON	NC	NC	%	**1.0845**	**3.6**	**1.0845**	**9.78**	**0.569**	**8.72**	**1.82**
TOTAL SOLIDS	NC	NC	%	**72.7**	**42.4**	**73.1**	**56.3**	**69.7**	**34.0**	**59.7**
VOC-BTEX										
BENZENE	0.6	26	mg/kg OC	**0.461 J**	**0.5556 J**	0.627 U	***132.9243***	***8.2601***	0.172 UJ	0.4615 U
TOLUENE	NC	45	mg/kg OC	**0.2305 J**	0.6667 UJ	0.627 U	**18.4049 J**	6.3269 U	**0.0138 J**	**0.0549 J**
ETHYLBENZENE	NC	6.4	mg/kg OC	1.2909 U	**0.5556 J**	0.627 U	***3271.9836***	***126.5378***	0.172 UJ	0.4615 U
XYLENE, M&P-	NC	27	mg/kg OC	1.2909 U	**16.9444 J**	0.627 U	***153.3742***	**6.3269**	0.172 UJ	0.4615 U
XYLENE, O-	NC	27	mg/kg OC	1.2909 U	**3.0556 J**	0.627 U	***1738.2413***	***59.754***	0.172 UJ	0.4615 U
TOTAL BTEX (CALCULATED)	NC	NC	mg/kg OC	**0.6916**	**21.1111**		**5314.9284**	**200.8787**	**0.0138**	**0.0549**
VOC										
1,1,2-TRICHLOROETHANE	0.6	NC	mg/kg OC	1.2909 U	0.6667 UJ	0.627 U	91.002 U	6.3269 U	0.172 UJ	0.4615 U
1,1-DICHLOROETHANE	0.7	NC	mg/kg OC	1.2909 U	0.6667 UJ	0.627 U	91.002 U	6.3269 U	0.172 UJ	0.4615 U
1,1-DICHLOROETHENE	0.02	NC	mg/kg OC	***0.8391 J***	0.6667 UJ	0.627 U	91.002 U	***0.8084 J***	0.172 UJ	0.4615 U
1,2-DICHLOROBENZENE	NC	12	mg/kg OC	1.2909 U	**0.1111 J**	0.627 U	91.002 U	6.3269 U	0.172 UJ	0.4615 U
1,2-DICHLOROETHANE	NC	NC	mg/kg OC	1.2909 U	0.6667 UJ	0.627 U	91.002 U	6.3269 U	0.172 UJ	0.4615 U
2-BUTANONE	NC	NC	mg/kg OC	2.5818 U	**2.75 J**	**0.4518 J**	184.0491 U	12.6538 U	**0.1491 J**	**0.7692 J**
ACETONE	NC	NC	mg/kg OC	**1.6598 J**	**10.5556 J**	**2.3052 J**	368.0982 U	24.6046 U	0.6766 UJ	**2.8571**
BROMOFORM	NC	NC	mg/kg OC	1.2909 U	0.6667 UJ	0.627 U	91.002 U	6.3269 U	0.172 UJ	0.4615 U
CARBON DISULFIDE	NC	NC	mg/kg OC	**0.1936 J**	**0.0778 J**	1.2909 U	**6.544 J**	**2.109 J**	**0.0241 J**	**0.0659 J**
CHLOROETHANE	NC	NC	mg/kg OC	2.5818 U	1.3056 UJ	1.2909 U	184.0491 U	12.6538 U	0.3326 UJ	0.9341 U
CHLOROMETHANE (METHYL CHLORIDE)	NC	NC	mg/kg OC	1.2909 U	0.6667 UJ	0.627 U	91.002 U	6.3269 U	0.172 UJ	0.4615 U
CIS-1,2-DICHLOROETHENE	NC	NC	mg/kg OC	**19.3638**	0.6667 UJ	0.627 U	91.002 U	**56.239**	0.172 UJ	0.4615 U
CYCLOHEXANE	NC	NC	mg/kg OC	1.2909 U	**2.3056 J**	0.627 U	91.002 U	6.3269 U	0.172 UJ	0.4615 U
DICHLOROMETHANE	NC	NC	mg/kg OC	**0.1383 J**	0.6667 UJ	0.627 U	91.002 U	6.3269 U	0.172 UJ	0.4615 U
ISOPROPYLBENZENE	NC	12	mg/kg OC	1.2909 U	**1.7778 J**	**0.2029 J**	***531.6973***	***24.6046***	0.172 UJ	**0.6593**
METHYL ACETATE	NC	NC	mg/kg OC	2.5818 U	1.3056 UJ	1.2909 U	184.0491 U	12.6538 U	0.3326 UJ	0.9341 U
METHYL TERT-BUTYL ETHER	NC	NC	mg/kg OC	1.2909 U	0.6667 UJ	0.627 U	91.002 U	6.3269 U	0.172 UJ	0.4615 U
METHYLCYLOHEXANE	NC	NC	mg/kg OC	1.2909 U	**5.8333 J**	0.627 U	91.002 U	6.3269 U	0.172 UJ	**0.0604 J**
TETRACHLOROETHENE	NC	NC	mg/kg OC	1.2909 U	0.6667 UJ	0.627 U	91.002 U	**1.0545 J**	0.172 UJ	0.4615 U
TRANS-1,2-DICHLOROETHENE	NC	NC	mg/kg OC	**0.166 J**	0.6667 UJ	0.627 U	91.002 U	**4.5694 J**	0.172 UJ	0.4615 U
TRICHLOROETHENE	2	NC	mg/kg OC	***534.8087 J***	0.6667 UJ	0.627 U	91.002 U	***755.7118***	0.172 UJ	0.4615 U
VINYL CHLORIDE	0.07	NC	mg/kg OC	***1.0143 J***	0.6667 UJ	0.627 U	91.002 U	***2.9877 J***	0.172 UJ	0.4615 U

Notes:
Only compounds which were detected in at least one sample are shown.
mg/kg OC - mg/kg normalized for organic carbon
NC = No NYSDEC Criteria
J = Estimated Value
U = Not Detected
Boldface indicates detected concentration
Indicates exceedance of Human Health Bioaccumulation
Indicates exceedance of Benthic Aquatic Life Chronic Toxicity
Indicates exceedance of both Human Health Bioaccumulation and Benthic Aquatic Life Chronic Toxicity

Table 4-3
Summary of Detected Volatile Organic Compounds in Sediment (Normalized for Organic Carbon)
Pemart Avenue Works Former MGP and EGP - RI Addendum
Consolidated Edison, Peekskill, New York
November - December 2007

Chemical Name	NYSDEC Sediment Screening Criteria Source: Technical Guidance for Screening Contaminated Sediment (NYSDEC, 1999) Human Health Bio-accumulation	NYSDEC Sediment Screening Criteria Source: Technical Guidance for Screening Contaminated Sediment (NYSDEC, 1999) Benthic Aquatic Life Chronic Toxicity	Location ID / Sample ID / Sample Date / Depth Interval(ft) / Lithology / units	SD23 / SD23 (3-5) / 12/11/2007 / 3- 5 / Upper Silt	SD25 / SD25 (3-4) / 12/14/2007 / 3- 4 / Upper Silt	SD25 / SD25 (4-5) / 12/14/2007 / 4- 5 / Silt/Clay
CHEMISTRY						
TOTAL ORGANIC CARBON	NC	NC	%	**2.94**	**4.72**	**1.0845**
TOTAL SOLIDS	NC	NC	%	**37.5**	**51.3**	**69.9**
VOC-BTEX						
BENZENE	0.6	26	mg/kg OC	0.4422 UJ	***0.6568***	**0.1291 J**
TOLUENE	NC	45	mg/kg OC	**0.085 J**	0.2055 U	**0.1568 J**
ETHYLBENZENE	NC	6.4	mg/kg OC	0.4422 UJ	**0.0381 J**	**0.1014 J**
XYLENE, M&P-	NC	27	mg/kg OC	0.4422 UJ	**0.4025**	**0.1199 J**
XYLENE, O-	NC	27	mg/kg OC	0.4422 UJ	**0.0572 J**	**0.0756 J**
TOTAL BTEX (CALCULATED)	NC	NC	mg/kg OC	**0.085**	**1.1547**	**0.5828**
VOC						
1,1,2-TRICHLOROETHANE	0.6	NC	mg/kg OC	0.4422 UJ	0.2055 U	0.6639 U
1,1-DICHLOROETHANE	0.7	NC	mg/kg OC	0.4422 UJ	0.2055 U	0.6639 U
1,1-DICHLOROETHENE	0.02	NC	mg/kg OC	0.4422 UJ	0.2055 U	0.6639 U
1,2-DICHLOROBENZENE	NC	12	mg/kg OC	0.4422 UJ	0.2055 U	0.6639 U
1,2-DICHLOROETHANE	NC	NC	mg/kg OC	0.4422 UJ	0.2055 U	0.6639 U
2-BUTANONE	NC	NC	mg/kg OC	**0.9184 J**	**1.1653**	1.2909 U
ACETONE	NC	NC	mg/kg OC	**4.4218 J**	**4.0254**	2.674 U
BROMOFORM	NC	NC	mg/kg OC	0.4422 UJ	0.2055 U	0.6639 U
CARBON DISULFIDE	NC	NC	mg/kg OC	**0.0578 J**	**0.1208 J**	1.2909 U
CHLOROETHANE	NC	NC	mg/kg OC	0.9184 UJ	0.4025 U	1.2909 U
CHLOROMETHANE (METHYL CHLORIDE)	NC	NC	mg/kg OC	0.4422 UJ	0.2055 U	0.6639 U
CIS-1,2-DICHLOROETHENE	NC	NC	mg/kg OC	0.4422 UJ	0.2055 U	0.6639 U
CYCLOHEXANE	NC	NC	mg/kg OC	0.4422 UJ	0.2055 U	0.6639 U
DICHLOROMETHANE	NC	NC	mg/kg OC	0.4422 UJ	0.2055 U	0.6639 U
ISOPROPYLBENZENE	NC	12	mg/kg OC	0.4422 UJ	**2.3305**	**0.0756 J**
METHYL ACETATE	NC	NC	mg/kg OC	0.9184 UJ	0.4025 U	1.2909 U
METHYL TERT-BUTYL ETHER	NC	NC	mg/kg OC	0.4422 UJ	0.2055 U	0.6639 U
METHYLCYLOHEXANE	NC	NC	mg/kg OC	0.4422 UJ	**0.0339 J**	0.6639 U
TETRACHLOROETHENE	NC	NC	mg/kg OC	0.4422 UJ	0.2055 U	0.6639 U
TRANS-1,2-DICHLOROETHENE	NC	NC	mg/kg OC	0.4422 UJ	0.2055 U	0.6639 U
TRICHLOROETHENE	2	NC	mg/kg OC	0.4422 UJ	0.2055 U	0.6639 U
VINYL CHLORIDE	0.07	NC	mg/kg OC	0.4422 UJ	0.2055 U	0.6639 U

Notes:
Only compounds which were detected in at least one sample are shown.
mg/kg OC - mg/kg normalized for organic carbon
NC = No NYSDEC Criteria
J = Estimated Value
U = Not Detected
Boldface indicates detected concentration
Indicates exceedance of Human Health Bioaccumulation
Indicates exceedance of Benthic Aquatic Life Chronic Toxicity
Indicates exceedance of both Human Health Bioaccumulation and Benthic Aquatic Life Chronic Toxicity

Table 4-4
Summary of Detected Semivolatile Organic Compounds in Sediment (Normalized for Organic Carbon)
Pemart Avenue Works Former MGP and EGP - RI Addendum
Consolidated Edison, Peekskill, New York
November - December 2007

Chemical Name	NYSDEC Sediment Screening Criteria Source: Technical Guidance for Screening Contaminated Sediment (NYSDEC, 1999) Human Health Bioaccumulation	NYSDEC Sediment Screening Criteria Source: Technical Guidance for Screening Contaminated Sediment (NYSDEC, 1999) Benthic Aquatic Life Chronic Toxicity	units	SD01 SD1 (12-12.5) 11/29/2007 12- 12.5 Silt/Clay	SD02 SD2 (10-11) 11/29/2007 10- 11 Peat	SD02 SD2 (16.5-17) 11/29/2007 16.5- 17 Silt/Clay	SD02 SD2 (18-19) 11/29/2007 18- 19 Silt/Clay	SD03 SD3 (14-16) 11/29/2007 14- 16 Silt	SD03 SD3 (16-16.5) 11/29/2007 16- 16.5 Peat
CHEMISTRY									
TOTAL ORGANIC CARBON	NC	NC	%	**1.0845**	**5.6**	**1.0845**	**1.0845**	**1.82**	**5.6**
TOTAL SOLIDS	NC	NC	%	**71.9**	**31.8**	**75.4**	**77.2**	**56.9**	**25.4**
SVOC-PAH									
2-METHYLNAPHTHALENE	NC	30	mg/kg OC	42.4159 U	**1.7321 J**	40.5717 U	39.6496 UJ	***1758.2418***	***37.5 J***
ACENAPHTHENE	NC	240	mg/kg OC	42.4159 U	**3.2143 J**	40.5717 U	39.6496 UJ	***879.1209***	**19.6429 J**
ACENAPHTHYLENE	NC	NC	mg/kg OC	42.4159 U	**1.5714 J**	40.5717 U	39.6496 UJ	318.6813 U	**1.625 J**
ANTHRACENE	NC	107	mg/kg OC	42.4159 U	**2.1429 J**	40.5717 U	39.6496 UJ	***291.2088 J***	**7.6786 J**
BENZO(A)ANTHRACENE	0.7	12	mg/kg OC	42.4159 U	***4.1071 J***	40.5717 U	***2.9507 J***	***53.2967 J***	***4.6429 J***
BENZO(A)PYRENE	0.7	NC	mg/kg OC	42.4159 U	***3.9286 J***	40.5717 U	***3.6883 J***	***24.1758 J***	***3.3929 J***
BENZO(B)FLUORANTHENE	0.7	NC	mg/kg OC	42.4159 U	***3.2143 J***	40.5717 U	39.6496 UJ	318.6813 U	23.2143 UJ
BENZO(G,H,I)PERYLENE	NC	NC	mg/kg OC	42.4159 U	**2.8571 J**	40.5717 U	39.6496 UJ	318.6813 U	23.2143 UJ
BENZO(K)FLUORANTHENE	0.7	NC	mg/kg OC	42.4159 U	***2.8571 J***	40.5717 U	39.6496 UJ	318.6813 U	23.2143 UJ
CHRYSENE	0.7	NC	mg/kg OC	42.4159 U	***5 J***	40.5717 U	***2.5818 J***	***53.8462 J***	***4.2857 J***
DIBENZ(A,H)ANTHRACENE	NC	NC	mg/kg OC	42.4159 U	17.8571 UJ	40.5717 U	39.6496 UJ	318.6813 U	23.2143 UJ
FLUORANTHENE	NC	1340	mg/kg OC	42.4159 U	**7.8571 J**	40.5717 U	39.6496 UJ	**192.3077 J**	**7.6786 J**
FLUORENE	NC	38	mg/kg OC	42.4159 U	17.8571 UJ	40.5717 U	39.6496 UJ	***340.6593***	**6.9643 J**
INDENO(1,2,3-CD)PYRENE	0.7	NC	mg/kg OC	42.4159 U	***2.5 J***	40.5717 U	39.6496 UJ	318.6813 U	***1.125 J***
NAPHTHALENE	NC	38	mg/kg OC	42.4159 U	**3.0357 J**	40.5717 U	39.6496 U	***3296.7033***	***66.0714 J***
PHENANTHRENE	NC	160	mg/kg OC	42.4159 U	**5.5357 J**	40.5717 U	39.6496 UJ	***1043.956***	**25 J**
PYRENE	NC	961	mg/kg OC	42.4159 U	**7.3214 J**	40.5717 U	39.6496 UJ	**329.6703**	**11.25 J**
TOTAL PAHS (CALCULATED)	NC	NC	mg/kg OC		**56.875**		**9.2208**	**8263.1868**	**196.8571**
SVOC									
1,1-BIPHENYL	NC	NC	mg/kg OC	42.4159 U	17.8571 UJ	40.5717 U	39.6496 UJ	**153.8462 J**	**3.3929 J**
4-CHLOROANILINE	NC	NC	mg/kg OC	42.4159 U	17.8571 UJ	40.5717 U	39.6496 UJ	318.6813 U	23.2143 UJ
4-METHYLPHENOL (P-CRESOL)	NC	NC	mg/kg OC	42.4159 U	17.8571 UJ	40.5717 U	39.6496 U	318.6813 U	23.2143 UJ
BENZALDEHYDE	NC	NC	mg/kg OC	42.4159 UJ	17.8571 UJ	40.5717 UJ	39.6496 UJ	318.6813 UJ	23.2143 UJ
BIS(2-ETHYLHEXYL) PHTHALATE	NC	199.5	mg/kg OC	42.4159 U	**2.1429 J**	40.5717 U	39.6496 UJ	318.6813 U	23.2143 UJ
BUTYLBENZYLPHTHALATE	NC	NC	mg/kg OC	42.4159 U	17.8571 UJ	40.5717 U	39.6496 UJ	318.6813 U	23.2143 UJ
CARBAZOLE	NC	NC	mg/kg OC	42.4159 U	17.8571 UJ	40.5717 U	39.6496 UJ	**28.022 J**	23.2143 UJ
DIBENZOFURAN	NC	NC	mg/kg OC	42.4159 U	17.8571 UJ	40.5717 U	39.6496 UJ	**43.4066 J**	23.2143 UJ

Notes:
Only compounds which were detected in at least one sample are shown.
mg/kg OC - mg/kg normalized for organic carbon
NC = No NYSDEC Criteria
J = Estimated Value
U = Not Detected
Boldface indicates detected concentration
Indicates exceedance of Human Health Bioaccumulation
Indicates exceedance of Benthic Aquatic Life Chronic Toxicity
Indicates exceedance of both Human Health Bioaccumulation and Benthic Aquatic Life Chronic Toxicity

Table 4-4
Summary of Detected Semivolatile Organic Compounds in Sediment (Normalized for Organic Carbon)
Pemart Avenue Works Former MGP and EGP - RI Addendum
Consolidated Edison, Peekskill, New York
November - December 2007

Chemical Name	NYSDEC Sediment Screening Criteria Source: Technical Guidance for Screening Contaminated Sediment (NYSDEC, 1999) Human Health Bioaccumulation	NYSDEC Sediment Screening Criteria Source: Technical Guidance for Screening Contaminated Sediment (NYSDEC, 1999) Benthic Aquatic Life Chronic Toxicity	Location ID / Sample ID / Sample Date / Depth Interval (ft) / Lithology / units	SD04 SD4 (0-2) 11/29/2007 0.5- 2 Upper Silt	SD04 SD4 (14-15) 11/29/2007 14- 15 Peat	SD04 SD4 (6-7) 11/29/2007 6- 7 Silt/Clay	SD05 SD5 (0-2) 11/30/2007 0.5- 2 Upper Silt	SD05 SD5 (16-17) 11/30/2007 16- 17 Silt	SD06 SD6 (16-17) 11/30/2007 16- 17 Silt
CHEMISTRY									
TOTAL ORGANIC CARBON	NC	NC	%	**6.2**	**5.6**	**1.6**	**4.02**	**1.82**	**1.82**
TOTAL SOLIDS	NC	NC	%	**53.7**	**77.9**	**61.1**	**42.2**	**64.5**	**57.7**
SVOC-PAH									
2-METHYLNAPHTHALENE	NC	30	mg/kg OC	***41.9355***	7.5 U	33.75 U	57.2139 UJ	28.022 U	31.3187 U
ACENAPHTHENE	NC	240	mg/kg OC	**193.5484**	7.5 U	**3.0625 J**	57.2139 UJ	28.022 U	**1.8132 J**
ACENAPHTHYLENE	NC	NC	mg/kg OC	**32.2581**	7.5 U	33.75 U	**8.209 J**	28.022 U	31.3187 U
ANTHRACENE	NC	107	mg/kg OC	**96.7742**	7.5 U	**5.75 J**	**8.209 J**	28.022 U	31.3187 U
BENZO(A)ANTHRACENE	0.7	12	mg/kg OC	***104.8387***	7.5 U	***8.75 J***	***24.8756 J***	28.022 U	31.3187 U
BENZO(A)PYRENE	0.7	NC	mg/kg OC	***90.3226***	7.5 U	***8.125 J***	***29.8507 J***	28.022 U	31.3187 U
BENZO(B)FLUORANTHENE	0.7	NC	mg/kg OC	***66.129***	7.5 U	***6.25 J***	***27.3632 J***	28.022 U	31.3187 U
BENZO(G,H,I)PERYLENE	NC	NC	mg/kg OC	**45.1613**	7.5 U	**4.9375 J**	**22.8856 J**	28.022 U	31.3187 U
BENZO(K)FLUORANTHENE	0.7	NC	mg/kg OC	***72.5806***	7.5 U	***5 J***	***24.8756 J***	28.022 U	31.3187 U
CHRYSENE	0.7	NC	mg/kg OC	***111.2903***	7.5 U	***8.75 J***	***32.3383 J***	28.022 U	31.3187 U
DIBENZ(A,H)ANTHRACENE	NC	NC	mg/kg OC	**15.3226 J**	7.5 U	33.75 U	**5.7214 J**	28.022 U	31.3187 U
FLUORANTHENE	NC	1340	mg/kg OC	**193.5484**	7.5 U	**20.625 J**	**59.7015 J**	28.022 U	31.3187 U
FLUORENE	NC	38	mg/kg OC	***87.0968***	7.5 U	**3.25 J**	57.2139 UJ	28.022 U	31.3187 U
INDENO(1,2,3-CD)PYRENE	0.7	NC	mg/kg OC	***41.9355***	7.5 U	***4.3125 J***	***20.1493 J***	28.022 U	31.3187 U
NAPHTHALENE	NC	38	mg/kg OC	***56.4516***	7.5 U	33.75 U	57.2139 UJ	28.022 U	31.3187 U
PHENANTHRENE	NC	160	mg/kg OC	***290.3226***	7.5 U	**20.625 J**	**21.8905 J**	28.022 U	31.3187 U
PYRENE	NC	961	mg/kg OC	**177.4194**	7.5 U	**17.5 J**	**49.7512 J**	28.022 U	31.3187 U
TOTAL PAHS (CALCULATED)	NC	NC	mg/kg OC	**1716.9355**		**116.9375**	**335.8209**		**1.8132**
SVOC									
1,1-BIPHENYL	NC	NC	mg/kg OC	**4.1935 J**	7.5 U	33.75 U	57.2139 UJ	28.022 U	31.3187 U
4-CHLOROANILINE	NC	NC	mg/kg OC	29.0323 U	7.5 U	33.75 U	57.2139 UJ	28.022 U	31.3187 U
4-METHYLPHENOL (P-CRESOL)	NC	NC	mg/kg OC	**2.0968 J**	7.5 U	33.75 U	57.2139 UJ	28.022 U	31.3187 U
BENZALDEHYDE	NC	NC	mg/kg OC	29.0323 UJ	7.5 UJ	33.75 UJ	57.2139 UJ	28.022 UJ	31.3187 UJ
BIS(2-ETHYLHEXYL) PHTHALATE	NC	199.5	mg/kg OC	29.0323 U	7.5 U	33.75 U	**34.8259 J**	28.022 U	31.3187 U
BUTYLBENZYLPHTHALATE	NC	NC	mg/kg OC	29.0323 U	7.5 U	33.75 U	57.2139 UJ	28.022 U	31.3187 U
CARBAZOLE	NC	NC	mg/kg OC	**3.0645 J**	7.5 U	33.75 U	57.2139 UJ	28.022 U	31.3187 U
DIBENZOFURAN	NC	NC	mg/kg OC	**10.8065 J**	7.5 U	33.75 U	57.2139 UJ	28.022 U	31.3187 U

Notes:
Only compounds which were detected in at least one sample are shown.
mg/kg OC - mg/kg normalized for organic carbon
NC = No NYSDEC Criteria
J = Estimated Value
U = Not Detected
Boldface indicates detected concentration
Indicates exceedance of Human Health Bioaccumulation
Indicates exceedance of Benthic Aquatic Life Chronic Toxicity
Indicates exceedance of both Human Health Bioaccumulation and Benthic Aquatic Life Chronic Toxicity

Table 4-4
Summary of Detected Semivolatile Organic Compounds in Sediment (Normalized for Organic Carbon)
Pemart Avenue Works Former MGP and EGP - RI Addendum
Consolidated Edison, Peekskill, New York
November - December 2007

	NYSDEC Sediment Screening Criteria Source: Technical Guidance for Screening Contaminated Sediment (NYSDEC, 1999)		Location ID	SD07	SD09	SD09	SD10	SD11	SD11
			Sample ID	SD7 (19-21)	SD9 (2-4)	SD9 (5-7)	SD10 (2-3)	SD11 (16-17)	SD11 (19-20)
			Sample Date	12/3/2007	12/5/2007	12/5/2007	12/5/2007	12/5/2007	12/5/2007
			Depth Interval (ft)	19- 21	2- 4	5- 7	2- 3	16- 17	19- 20
			Lithology	Peat	Upper Silt	Silt	Upper Silt	Sand Lens	Silt/Clay
Chemical Name	**Human Health Bioaccumulation**	**Benthic Aquatic Life Chronic Toxicity**	units						
CHEMISTRY									
TOTAL ORGANIC CARBON	NC	NC	%	**2.48**	**4.55**	**1.82**	**7.78**	**0.142**	**1.0845**
TOTAL SOLIDS	NC	NC	%	**56.9**	**85.3**	**58.6**	**78.3**	**81.0**	**81.8**
SVOC-PAH									
2-METHYLNAPHTHALENE	NC	30	mg/kg OC	23.3871 U	***1098.9011***	30.7692 U	***192.8021***	***176.0563 J***	**10.1429 J**
ACENAPHTHENE	NC	240	mg/kg OC	23.3871 U	***659.3407***	**8.2418 J**	**179.9486**	***309.8592***	**3.2273 J**
ACENAPHTHYLENE	NC	NC	mg/kg OC	23.3871 U	**50.5495 J**	**2.4176 J**	**24.4216 J**	**33.0986 J**	**3.4117 J**
ANTHRACENE	NC	107	mg/kg OC	23.3871 U	***263.7363***	**13.1868 J**	**102.8278**	***161.9718 J***	**2.8585 J**
BENZO(A)ANTHRACENE	0.7	12	mg/kg OC	23.3871 U	***180.2198***	***30.7692 J***	***78.4062***	***133.8028 J***	36.8834 U
BENZO(A)PYRENE	0.7	NC	mg/kg OC	23.3871 U	***140.6593***	***30.2198 J***	***64.2674***	***105.6338 J***	36.8834 U
BENZO(B)FLUORANTHENE	0.7	NC	mg/kg OC	23.3871 U	***74.7253 J***	***21.4286 J***	***33.419 J***	***62.6761 J***	36.8834 U
BENZO(G,H,I)PERYLENE	NC	NC	mg/kg OC	23.3871 U	**61.5385 J**	**17.033 J**	**33.419 J**	**57.0423 J**	36.8834 U
BENZO(K)FLUORANTHENE	0.7	NC	mg/kg OC	23.3871 U	***85.7143***	***22.5275 J***	***39.8458 J***	***77.4648 J***	36.8834 U
CHRYSENE	0.7	NC	mg/kg OC	23.3871 U	***175.8242***	***28.022 J***	***78.4062***	***133.8028 J***	36.8834 U
DIBENZ(A,H)ANTHRACENE	NC	NC	mg/kg OC	23.3871 U	**19.7802 J**	**4.2308 J**	**9.8972 J**	288.7324 U	36.8834 U
FLUORANTHENE	NC	1340	mg/kg OC	23.3871 U	**351.6484**	**50.5495**	**141.3882**	**232.3944 J**	36.8834 U
FLUORENE	NC	38	mg/kg OC	23.3871 U	***285.7143***	**6.5934 J**	***98.9717***	***161.9718 J***	**3.965 J**
INDENO(1,2,3-CD)PYRENE	0.7	NC	mg/kg OC	23.3871 U	***50.5495 J***	***14.8352 J***	***25.7069 J***	***44.3662 J***	36.8834 U
NAPHTHALENE	NC	38	mg/kg OC	**2.4194 J**	***1186.8132***	**4.1209 J**	***141.3882***	***176.0563 J***	**20.2858 J**
PHENANTHRENE	NC	160	mg/kg OC	23.3871 U	***901.0989***	**34.6154**	***347.0437***	***556.338***	**13.8313 J**
PYRENE	NC	961	mg/kg OC	23.3871 U	**461.5385**	**46.1538**	**192.8021**	**281.6901 J**	**3.4117 J**
TOTAL PAHS (CALCULATED)	NC	NC	mg/kg OC	**2.4194**	**6048.3516**	**334.9451**	**1784.9614**	**2704.2254**	**61.1342**
SVOC									
1,1-BIPHENYL	NC	NC	mg/kg OC	23.3871 U	**92.3077**	30.7692 U	**19.2802 J**	**34.507 J**	36.8834 U
4-CHLOROANILINE	NC	NC	mg/kg OC	23.3871 U	85.7143 U	30.7692 U	43.7018 U	288.7324 U	36.8834 U
4-METHYLPHENOL (P-CRESOL)	NC	NC	mg/kg OC	23.3871 U	85.7143 U	30.7692 U	43.7018 U	288.7324 U	36.8834 U
BENZALDEHYDE	NC	NC	mg/kg OC	23.3871 UJ	85.7143 UJ	30.7692 UJ	43.7018 UJ	288.7324 UJ	36.8834 UJ
BIS(2-ETHYLHEXYL) PHTHALATE	NC	199.5	mg/kg OC	23.3871 U	**8.5714 J**	30.7692 U	**4.1131 J**	**34.507 J**	36.8834 U
BUTYLBENZYLPHTHALATE	NC	NC	mg/kg OC	23.3871 U	85.7143 U	30.7692 U	43.7018 U	288.7324 U	36.8834 U
CARBAZOLE	NC	NC	mg/kg OC	23.3871 U	85.7143 U	30.7692 U	43.7018 U	288.7324 U	36.8834 U
DIBENZOFURAN	NC	NC	mg/kg OC	23.3871 U	**28.5714 J**	30.7692 U	**8.2262 J**	**21.1268 J**	36.8834 U

Notes:
Only compounds which were detected in at least one sample are shown.
mg/kg OC - mg/kg normalized for organic carbon
NC = No NYSDEC Criteria
J = Estimated Value
U = Not Detected
Boldface indicates detected concentration
Indicates exceedance of Human Health Bioaccumulation
Indicates exceedance of Benthic Aquatic Life Chronic Toxicity
Indicates exceedance of both Human Health Bioaccumulation and Benthic Aquatic Life Chronic Toxicity

Table 4-4
Summary of Detected Semivolatile Organic Compounds in Sediment (Normalized for Organic Carbon)
Pemart Avenue Works Former MGP and EGP - RI Addendum
Consolidated Edison, Peekskill, New York
November - December 2007

Chemical Name	NYSDEC Sediment Screening Criteria Source: Technical Guidance for Screening Contaminated Sediment (NYSDEC, 1999) Human Health Bioaccumulation	NYSDEC Sediment Screening Criteria Source: Technical Guidance for Screening Contaminated Sediment (NYSDEC, 1999) Benthic Aquatic Life Chronic Toxicity	Location ID / Sample ID / Sample Date / Depth Interval (ft) / Lithology / units	SD11 SD100 12/5/2007 6- 8 Upper Silt	SD11 SD11 (6-8) 12/5/2007 6- 8 Upper Silt	SD12 SD101 12/5/2007 2- 4 Upper Silt	SD12 SD12 (2-4) 12/5/2007 2- 4 Upper Silt	SD12 SD12 (4-6) 12/5/2007 4- 6 Silt/Clay	SD13 SD13 (11-13) 12/6/2007 11- 13 Sand Lens
CHEMISTRY									
TOTAL ORGANIC CARBON	NC	NC	%	**8.77**	**8.58**	**0.164**	**11.2**	**1.0845**	**0.142**
TOTAL SOLIDS	NC	NC	%	**52.2**	**53.2**	**74.1**	**47.4**	**73.5**	**88.6**
SVOC-PAH									
2-METHYLNAPHTHALENE	NC	30	mg/kg OC	***501.7104***	***174.8252***	274.3902 UJ	**8.4821 J**	41.4938 U	260.5634 U
ACENAPHTHENE	NC	240	mg/kg OC	***570.1254***	***699.3007***	**47.561 J**	**35.7143 J**	41.4938 U	260.5634 U
ACENAPHTHYLENE	NC	NC	mg/kg OC	**90.0798 J**	**85.0816 J**	**23.1707 J**	**26.7857 J**	41.4938 U	260.5634 U
ANTHRACENE	NC	107	mg/kg OC	***410.4903***	***477.8555***	**46.9512 J**	**32.1429 J**	41.4938 U	260.5634 U
BENZO(A)ANTHRACENE	0.7	12	mg/kg OC	***285.0627***	***372.9604***	***73.1707 J***	***75 J***	***3.5039 J***	260.5634 U
BENZO(A)PYRENE	0.7	NC	mg/kg OC	***216.6477***	***279.7203***	***67.0732 J***	***76.7857 J***	41.4938 U	260.5634 U
BENZO(B)FLUORANTHENE	0.7	NC	mg/kg OC	***111.7446***	***151.5152***	***43.9024 J***	***52.6786 J***	41.4938 U	260.5634 U
BENZO(G,H,I)PERYLENE	NC	NC	mg/kg OC	**91.2201 J**	**139.8601 J**	**37.8049 J**	**39.2857 J**	41.4938 U	260.5634 U
BENZO(K)FLUORANTHENE	0.7	NC	mg/kg OC	***136.8301***	***163.1702***	***47.561 J***	***56.25 J***	41.4938 U	260.5634 U
CHRYSENE	0.7	NC	mg/kg OC	***285.0627***	***372.9604***	***79.2683 J***	***89.2857 J***	***3.8728 J***	260.5634 U
DIBENZ(A,H)ANTHRACENE	NC	NC	mg/kg OC	**28.5063 J**	**44.289 J**	274.3902 UJ	**12.5 J**	41.4938 U	260.5634 U
FLUORANTHENE	NC	1340	mg/kg OC	**524.5154**	**641.0256**	**134.1463 J**	**151.7857 J**	**6.7312 J**	260.5634 U
FLUORENE	NC	38	mg/kg OC	***285.0627***	***349.6503***	**29.878 J**	**18.75 J**	41.4938 U	260.5634 U
INDENO(1,2,3-CD)PYRENE	0.7	NC	mg/kg OC	***76.3968 J***	***116.5501 J***	***31.0976 J***	***33.9286 J***	41.4938 U	260.5634 U
NAPHTHALENE	NC	38	mg/kg OC	***433.2953***	***198.1352***	**19.5122 J**	**12.5 J**	41.4938 U	260.5634 U
PHENANTHRENE	NC	160	mg/kg OC	***1140.2509***	***1398.6014***	**158.5366 J**	**107.1429 J**	**6.9156 J**	260.5634 U
PYRENE	NC	961	mg/kg OC	**672.748**	**874.1259**	**146.3415 J**	**151.7857 J**	**7.1923 J**	260.5634 U
TOTAL PAHS (CALCULATED)	NC	NC	mg/kg OC	**5859.7491**	**6539.627**	**985.9756**	**980.8036**	**28.2158**	
SVOC									
1,1-BIPHENYL	NC	NC	mg/kg OC	**63.854 J**	**79.2541 J**	274.3902 UJ	18.75 UJ	41.4938 U	260.5634 U
4-CHLOROANILINE	NC	NC	mg/kg OC	108.3238 U	139.8601 U	274.3902 UJ	18.75 UJ	41.4938 U	260.5634 U
4-METHYLPHENOL (P-CRESOL)	NC	NC	mg/kg OC	108.3238 U	139.8601 U	274.3902 UJ	18.75 UJ	41.4938 U	260.5634 U
BENZALDEHYDE	NC	NC	mg/kg OC	108.3238 UJ	139.8601 UJ	274.3902 UJ	18.75 UJ	41.4938 UJ	260.5634 UJ
BIS(2-ETHYLHEXYL) PHTHALATE	NC	199.5	mg/kg OC	108.3238 U	139.8601 U	**19.5122 J**	**9.8214 J**	41.4938 U	260.5634 U
BUTYLBENZYLPHTHALATE	NC	NC	mg/kg OC	108.3238 U	139.8601 U	274.3902 UJ	18.75 UJ	41.4938 U	260.5634 U
CARBAZOLE	NC	NC	mg/kg OC	108.3238 U	**12.8205 J**	274.3902 UJ	**3.2143 J**	41.4938 U	260.5634 U
DIBENZOFURAN	NC	NC	mg/kg OC	108.3238 U	**32.634 J**	274.3902 UJ	**2.8571 J**	41.4938 U	260.5634 U

Notes:
Only compounds which were detected in at least one sample are shown.
mg/kg OC - mg/kg normalized for organic carbon
NC = No NYSDEC Criteria
J = Estimated Value
U = Not Detected
Boldface indicates detected concentration
Indicates exceedance of Human Health Bioaccumulation
Indicates exceedance of Benthic Aquatic Life Chronic Toxicity
Indicates exceedance of both Human Health Bioaccumulation and Benthic Aquatic Life Chronic Toxicity

Table 4-4
Summary of Detected Semivolatile Organic Compounds in Sediment (Normalized for Organic Carbon)
Pemart Avenue Works Former MGP and EGP - RI Addendum
Consolidated Edison, Peekskill, New York
November - December 2007

	NYSDEC Sediment Screening Criteria Source: Technical Guidance for Screening Contaminated Sediment (NYSDEC, 1999)		Location ID	SD13	SD13	SD14	SD14	SD15	SD15
			Sample ID	SD13 (15-17)	SD13 (5-7)	SD14 (0-4)	SD14 (6-8)	SD15 (0-2)	SD15 (4-5)
			Sample Date	12/6/2007	12/6/2007	12/6/2007	12/6/2007	12/6/2007	12/6/2007
			Depth Interval (ft)	15- 17	5- 7	0.5- 4	6- 8	0.5- 2	4- 5
			Lithology	Peat	Upper Silt	Upper Silt	Silt	Upper Silt	Silt/Clay
Chemical Name	**Human Health Bioaccumulation**	**Benthic Aquatic Life Chronic Toxicity**	units						
CHEMISTRY									
TOTAL ORGANIC CARBON	NC	NC	%	**5.6**	**1.54**	**3.46**	**1.82**	**1.33**	**1.0845**
TOTAL SOLIDS	NC	NC	%	**29.5**	**59.2**	**74.5**	**59.6**	**59.6**	**79.7**
SVOC-PAH									
2-METHYLNAPHTHALENE	NC	30	mg/kg OC	**2.1429 J**	**2.8571 J**	***9826.5896***	**4.0659 J**	***127.8195 J***	37.8054 U
ACENAPHTHENE	NC	240	mg/kg OC	**1.5714 J**	**7.7922 J**	***6647.3988***	**2.3077 J**	***451.1278 J***	**2.674 J**
ACENAPHTHYLENE	NC	NC	mg/kg OC	19.6429 UJ	36.3636 U	**491.3295 J**	30.2198 U	**135.3383 J**	37.8054 U
ANTHRACENE	NC	107	mg/kg OC	19.6429 UJ	**3.1818 J**	***2890.1734***	30.2198 U	***330.8271 J***	37.8054 U
BENZO(A)ANTHRACENE	0.7	12	mg/kg OC	19.6429 UJ	36.3636 U	***1589.5954***	30.2198 U	***390.9774 J***	***3.3195 J***
BENZO(A)PYRENE	0.7	NC	mg/kg OC	19.6429 UJ	36.3636 U	***1098.2659***	30.2198 U	***330.8271 J***	37.8054 U
BENZO(B)FLUORANTHENE	0.7	NC	mg/kg OC	19.6429 UJ	36.3636 U	***462.4277 J***	30.2198 U	***172.9323 J***	37.8054 U
BENZO(G,H,I)PERYLENE	NC	NC	mg/kg OC	19.6429 UJ	36.3636 U	**433.526 J**	30.2198 U	**172.9323 J**	37.8054 U
BENZO(K)FLUORANTHENE	0.7	NC	mg/kg OC	19.6429 UJ	36.3636 U	***606.9364 J***	30.2198 U	***172.9323 J***	37.8054 U
CHRYSENE	0.7	NC	mg/kg OC	19.6429 UJ	36.3636 U	***1473.9884***	30.2198 U	***390.9774 J***	***3.5039 J***
DIBENZ(A,H)ANTHRACENE	NC	NC	mg/kg OC	19.6429 UJ	36.3636 U	**124.2775 J**	30.2198 U	**48.8722 J**	37.8054 U
FLUORANTHENE	NC	1340	mg/kg OC	19.6429 UJ	**4.4156 J**	***3179.1908***	30.2198 U	**654.1353 J**	**6.639 J**
FLUORENE	NC	38	mg/kg OC	19.6429 UJ	**3.3766 J**	***2890.1734***	30.2198 U	***218.0451 J***	37.8054 U
INDENO(1,2,3-CD)PYRENE	0.7	NC	mg/kg OC	19.6429 UJ	36.3636 U	***317.9191 J***	30.2198 U	***135.3383 J***	37.8054 U
NAPHTHALENE	NC	38	mg/kg OC	**4.4643 J**	**1.9481 J**	***11271.6763***	**7.1429 J**	***225.5639 J***	**2.7663 J**
PHENANTHRENE	NC	160	mg/kg OC	**1.6964 J**	**10.3896 J**	***10115.6069***	**3.6813 J**	***977.4436 J***	**3.7805 J**
PYRENE	NC	961	mg/kg OC	19.6429 UJ	**4.6104 J**	***4335.2601***	**1.6484 J**	**827.0677 J**	**8.2065 J**
TOTAL PAHS (CALCULATED)	NC	NC	mg/kg OC	**9.875**	**38.5714**	**57754.3353**	**18.8462**	**5763.1579**	**30.8898**
SVOC									
1,1-BIPHENYL	NC	NC	mg/kg OC	19.6429 UJ	36.3636 U	**1098.2659**	30.2198 U	**24.0602 J**	37.8054 U
4-CHLOROANILINE	NC	NC	mg/kg OC	19.6429 UJ	36.3636 U	953.7572 U	30.2198 U	127.8195 UJ	37.8054 U
4-METHYLPHENOL (P-CRESOL)	NC	NC	mg/kg OC	19.6429 U	36.3636 U	953.7572 U	30.2198 U	127.8195 UJ	37.8054 U
BENZALDEHYDE	NC	NC	mg/kg OC	19.6429 UJ	36.3636 UJ	953.7572 UJ	30.2198 UJ	127.8195 UJ	37.8054 UJ
BIS(2-ETHYLHEXYL) PHTHALATE	NC	199.5	mg/kg OC	**3.2143 J**	36.3636 U	953.7572 U	30.2198 U	127.8195 UJ	37.8054 U
BUTYLBENZYLPHTHALATE	NC	NC	mg/kg OC	19.6429 UJ	36.3636 U	953.7572 U	30.2198 U	127.8195 UJ	37.8054 U
CARBAZOLE	NC	NC	mg/kg OC	19.6429 UJ	36.3636 U	**80.9249 J**	30.2198 U	127.8195 UJ	37.8054 U
DIBENZOFURAN	NC	NC	mg/kg OC	19.6429 UJ	36.3636 U	**283.237 J**	30.2198 U	**21.8045 J**	37.8054 U

Notes:
Only compounds which were detected in at least one sample are shown.
mg/kg OC - mg/kg normalized for organic carbon
NC = No NYSDEC Criteria
J = Estimated Value
U = Not Detected
Boldface indicates detected concentration
Indicates exceedance of Human Health Bioaccumulation
Indicates exceedance of Benthic Aquatic Life Chronic Toxicity
Indicates exceedance of both Human Health Bioaccumulation and Benthic Aquatic Life Chronic Toxicity

Table 4-4
Summary of Detected Semivolatile Organic Compounds in Sediment (Normalized for Organic Carbon)
Pemart Avenue Works Former MGP and EGP - RI Addendum
Consolidated Edison, Peekskill, New York
November - December 2007

Chemical Name	NYSDEC Sediment Screening Criteria Source: Technical Guidance for Screening Contaminated Sediment (NYSDEC, 1999) Human Health Bioaccumulation	NYSDEC Sediment Screening Criteria Source: Technical Guidance for Screening Contaminated Sediment (NYSDEC, 1999) Benthic Aquatic Life Chronic Toxicity	units	Location ID / Sample ID / Sample Date / Depth Interval (ft) / Lithology	SD15 / SD15 (6-7) / 12/6/2007 / 6- 7 / Silt/Clay	SD16 / SD16 (0-2) / 12/6/2007 / 0.5- 2 / Upper Silt	SD16 / SD16 (4-5) / 12/6/2007 / 4- 5 / Silt/Clay	SD17 / SD102 / 12/6/2007 / 0.5- 2 / Upper Silt	SD17 / SD17 (0-2) / 12/6/2007 / 0.5- 2 / Upper Silt	SD17 / SD17 (4-5) / 12/6/2007 / 4- 5 / Silt/Clay
CHEMISTRY										
TOTAL ORGANIC CARBON	NC	NC	%		**1.0845**	**14.8**	**1.0845**	**7.92**	**6.64**	**1.0845**
TOTAL SOLIDS	NC	NC	%		**75.8**	**48.2**	**72.0**	**49.1**	**50.9**	**72.7**
SVOC-PAH										
2-METHYLNAPHTHALENE	NC	30	mg/kg OC		40.5717 U	**10.8108 J**	42.4159 U	***30.303 J***	**19.5783 J**	41.4938 U
ACENAPHTHENE	NC	240	mg/kg OC		40.5717 U	**155.4054 J**	**3.3195 J**	**239.899 J**	***256.0241***	**8.1143 J**
ACENAPHTHYLENE	NC	NC	mg/kg OC		40.5717 U	**36.4865 J**	42.4159 U	**49.2424 J**	**67.7711**	**2.0286 J**
ANTHRACENE	NC	107	mg/kg OC		40.5717 U	***168.9189 J***	**3.5961 J**	***138.8889 J***	***240.9639***	**7.0078 J**
BENZO(A)ANTHRACENE	0.7	12	mg/kg OC		40.5717 U	***121.6216 J***	***5.1637 J***	***123.7374 J***	***225.9036***	***8.2065 J***
BENZO(A)PYRENE	0.7	NC	mg/kg OC		40.5717 U	***94.5946 J***	***3.965 J***	***106.0606 J***	***180.7229***	***6.4546 J***
BENZO(B)FLUORANTHENE	0.7	NC	mg/kg OC		40.5717 U	***43.2432 J***	42.4159 U	***69.4444 J***	***97.8916***	***4.9793 J***
BENZO(G,H,I)PERYLENE	NC	NC	mg/kg OC		40.5717 U	**36.4865 J**	42.4159 U	**54.2929 J**	**79.8193**	**3.965 J**
BENZO(K)FLUORANTHENE	0.7	NC	mg/kg OC		40.5717 U	***50.6757 J***	42.4159 U	***64.3939 J***	***106.9277***	***4.3338 J***
CHRYSENE	0.7	NC	mg/kg OC		40.5717 U	***121.6216 J***	***5.3481 J***	***138.8889 J***	***240.9639***	***9.2208 J***
DIBENZ(A,H)ANTHRACENE	NC	NC	mg/kg OC		40.5717 U	**10.1351 J**	42.4159 U	**16.4141 J**	**24.0964 J**	41.4938 U
FLUORANTHENE	NC	1340	mg/kg OC		**2.3974 J**	**236.4865 J**	**8.852 J**	**214.6465 J**	**361.4458**	**12.9092 J**
FLUORENE	NC	38	mg/kg OC		40.5717 U	***87.8378 J***	42.4159 U	***102.2727 J***	***141.5663***	**4.426 J**
INDENO(1,2,3-CD)PYRENE	0.7	NC	mg/kg OC		40.5717 U	***31.0811 J***	42.4159 U	***46.7172 J***	***64.759***	***3.6883 J***
NAPHTHALENE	NC	38	mg/kg OC		40.5717 U	**18.2432 J**	42.4159 U	***44.1919 J***	***39.1566 J***	**2.5818 J**
PHENANTHRENE	NC	160	mg/kg OC		40.5717 U	***391.8919 J***	**8.852 J**	***391.4141 J***	***647.5904***	**21.2079 J**
PYRENE	NC	961	mg/kg OC		**3.6883 J**	**297.2973 J**	**11.065 J**	**252.5253 J**	**496.988**	**19.3638 J**
TOTAL PAHS (CALCULATED)	NC	NC	mg/kg OC		**6.0858**	**1912.8378**	**50.1614**	**2083.3333**	**3292.1687**	**118.4878**
SVOC										
1,1-BIPHENYL	NC	NC	mg/kg OC		40.5717 U	67.5676 UJ	42.4159 U	42.9293 UJ	48.1928 U	41.4938 U
4-CHLOROANILINE	NC	NC	mg/kg OC		40.5717 U	67.5676 UJ	42.4159 U	42.9293 UJ	48.1928 U	41.4938 U
4-METHYLPHENOL (P-CRESOL)	NC	NC	mg/kg OC		40.5717 U	67.5676 UJ	42.4159 U	42.9293 UJ	48.1928 U	41.4938 U
BENZALDEHYDE	NC	NC	mg/kg OC		40.5717 UJ	67.5676 UJ	42.4159 UJ	42.9293 UJ	48.1928 UJ	41.4938 UJ
BIS(2-ETHYLHEXYL) PHTHALATE	NC	199.5	mg/kg OC		40.5717 U	67.5676 UJ	42.4159 U	**7.702 J**	48.1928 U	41.4938 U
BUTYLBENZYLPHTHALATE	NC	NC	mg/kg OC		40.5717 U	67.5676 UJ	42.4159 U	42.9293 UJ	48.1928 U	41.4938 U
CARBAZOLE	NC	NC	mg/kg OC		40.5717 U	67.5676 UJ	42.4159 U	42.9293 UJ	48.1928 U	41.4938 U
DIBENZOFURAN	NC	NC	mg/kg OC		40.5717 U	67.5676 UJ	42.4159 U	**10.2273 J**	**11.2952 J**	41.4938 U

Notes:
Only compounds which were detected in at least one sample are shown.
mg/kg OC - mg/kg normalized for organic carbon
NC = No NYSDEC Criteria
J = Estimated Value
U = Not Detected
Boldface indicates detected concentration
Indicates exceedance of Human Health Bioaccumulation
Indicates exceedance of Benthic Aquatic Life Chronic Toxicity
Indicates exceedance of both Human Health Bioaccumulation and Benthic Aquatic Life Chronic Toxicity

Table 4-4
Summary of Detected Semivolatile Organic Compounds in Sediment (Normalized for Organic Carbon)
Pemart Avenue Works Former MGP and EGP - RI Addendum
Consolidated Edison, Peekskill, New York
November - December 2007

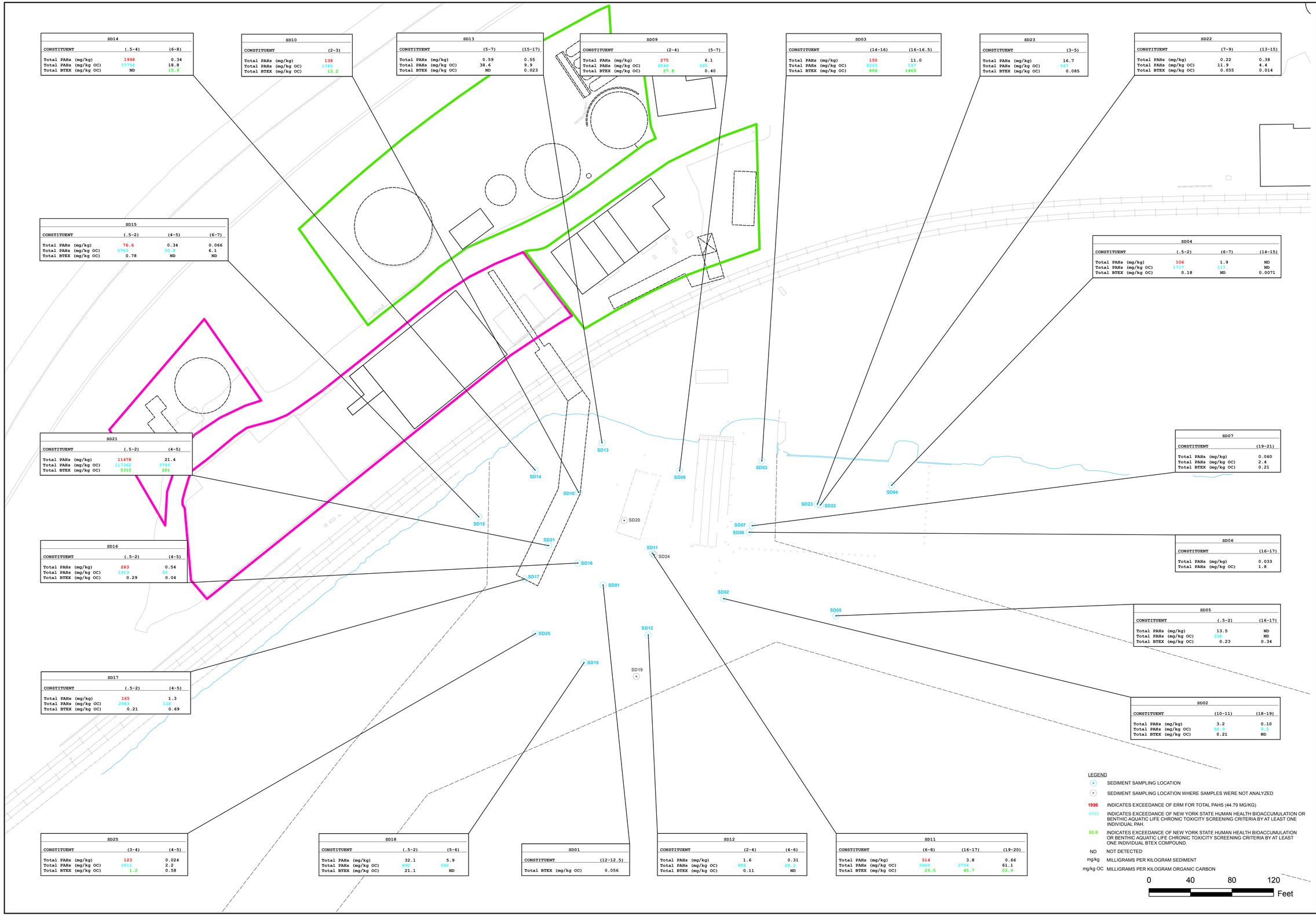
Chemical Name	NYSDEC Sediment Screening Criteria Source: Technical Guidance for Screening Contaminated Sediment (NYSDEC, 1999) Human Health Bioaccumulation	NYSDEC Sediment Screening Criteria Source: Technical Guidance for Screening Contaminated Sediment (NYSDEC, 1999) Benthic Aquatic Life Chronic Toxicity	Location ID / Sample ID / Sample Date / Depth Interval (ft) / Lithology / units	SD18 SD18 (0-2) 12/7/2007 0.5- 2 Upper Silt	SD18 SD18 (5-6) 12/7/2007 5- 6 Silt/Clay	SD21 SD21 (0-2) 12/10/2007 0.5- 2 Upper Silt	SD21 SD21 (4-5) 12/10/2007 4- 5 Silt/Clay	SD22 SD22 (13-15) 12/11/2007 13- 15 Peat	SD22 SD22 (7-9) 12/11/2007 7- 9 Silt
CHEMISTRY									
TOTAL ORGANIC CARBON	NC	NC	%	**3.6**	**1.0845**	**9.78**	**0.569**	**8.72**	**1.82**
TOTAL SOLIDS	NC	NC	%	**42.4**	**73.1**	**56.3**	**69.7**	**34.0**	**59.7**
SVOC-PAH									
2-METHYLNAPHTHALENE	NC	30	mg/kg OC	108.3333 UJ	**9.0364 J**	***28629.8569***	***755.7118***	11.1239 UJ	**2.5824 J**
ACENAPHTHENE	NC	240	mg/kg OC	**8.6111 J**	**43.3379**	***12269.9387***	***421.7926***	11.1239 UJ	**2.1429 J**
ACENAPHTHYLENE	NC	NC	mg/kg OC	**24.1667 J**	**11.9871 J**	**1124.7444 J**	**35.1494 J**	11.1239 UJ	30.2198 U
ANTHRACENE	NC	107	mg/kg OC	**26.9444 J**	**24.8963 J**	***4396.728 J***	***193.3216***	11.1239 UJ	30.2198 U
BENZO(A)ANTHRACENE	0.7	12	mg/kg OC	***72.2222 J***	***34.1171 J***	***1840.4908 J***	***105.4482***	**0.5734 J**	30.2198 U
BENZO(A)PYRENE	0.7	NC	mg/kg OC	***77.7778 J***	***34.1171 J***	***1226.9939 J***	***73.8137 J***	11.1239 UJ	30.2198 U
BENZO(B)FLUORANTHENE	0.7	NC	mg/kg OC	***58.3333 J***	***23.0521 J***	***449.8978 J***	***29.877 J***	11.1239 UJ	30.2198 U
BENZO(G,H,I)PERYLENE	NC	NC	mg/kg OC	**50 J**	**20.2858 J**	6032.7198 U	**24.6046 J**	11.1239 UJ	30.2198 U
BENZO(K)FLUORANTHENE	0.7	NC	mg/kg OC	***58.3333 J***	***24.8963 J***	***654.3967 J***	***38.6643 J***	11.1239 UJ	30.2198 U
CHRYSENE	0.7	NC	mg/kg OC	***86.1111 J***	***38.7275 J***	***1840.4908 J***	***103.6907***	**0.5734 J**	30.2198 U
DIBENZ(A,H)ANTHRACENE	NC	NC	mg/kg OC	**11.6667 J**	**5.7169 J**	6032.7198 U	**7.7329 J**	11.1239 UJ	30.2198 U
FLUORANTHENE	NC	1340	mg/kg OC	**144.4444 J**	**64.5459**	***3680.9816 J***	**193.3216**	**0.9748 J**	30.2198 U
FLUORENE	NC	38	mg/kg OC	**9.7222 J**	**20.2858 J**	***5419.2229 J***	***175.7469***	11.1239 UJ	30.2198 U
INDENO(1,2,3-CD)PYRENE	0.7	NC	mg/kg OC	***38.8889 J***	***16.5975 J***	6032.7198 U	***22.8471 J***	11.1239 UJ	30.2198 U
NAPHTHALENE	NC	38	mg/kg OC	**7.7778 J**	**14.7533 J**	***36809.816***	***702.9877***	11.1239 UJ	**2.6923 J**
PHENANTHRENE	NC	160	mg/kg OC	**77.7778 J**	**78.3771**	***14314.9284***	***632.6889***	**1.1468 J**	**2.4725 J**
PYRENE	NC	961	mg/kg OC	**138.8889 J**	**75.6109**	***4703.4765 J***	**246.0457**	**1.1124 J**	**2.033 J**
TOTAL PAHS (CALCULATED)	NC	NC	mg/kg OC	**891.6667**	**540.3412**	**117361.9632**	**3763.4446**	**4.3807**	**11.9231**
SVOC									
1,1-BIPHENYL	NC	NC	mg/kg OC	108.3333 UJ	41.4938 U	**2044.9898 J**	**56.239 J**	11.1239 UJ	30.2198 U
4-CHLOROANILINE	NC	NC	mg/kg OC	108.3333 UJ	41.4938 U	6032.7198 U	82.6011 U	11.1239 UJ	30.2198 U
4-METHYLPHENOL (P-CRESOL)	NC	NC	mg/kg OC	108.3333 UJ	41.4938 U	6032.7198 U	82.6011 U	11.1239 UJ	30.2198 U
BENZALDEHYDE	NC	NC	mg/kg OC	108.3333 UJ	41.4938 UJ	6032.7198 UJ	82.6011 UJ	11.1239 UJ	30.2198 UJ
BIS(2-ETHYLHEXYL) PHTHALATE	NC	199.5	mg/kg OC	**47.2222 J**	**8.852 J**	6032.7198 U	82.6011 U	11.1239 UJ	30.2198 U
BUTYLBENZYLPHTHALATE	NC	NC	mg/kg OC	108.3333 UJ	41.4938 U	6032.7198 U	82.6011 U	11.1239 UJ	30.2198 U
CARBAZOLE	NC	NC	mg/kg OC	108.3333 UJ	41.4938 U	6032.7198 U	**6.5026 J**	11.1239 UJ	30.2198 U
DIBENZOFURAN	NC	NC	mg/kg OC	108.3333 UJ	41.4938 U	**674.8466 J**	**22.8471 J**	11.1239 UJ	30.2198 U

Notes:
Only compounds which were detected in at least one sample are shown.
mg/kg OC - mg/kg normalized for organic carbon
NC = No NYSDEC Criteria
J = Estimated Value
U = Not Detected
Boldface indicates detected concentration
Indicates exceedance of Human Health Bioaccumulation
Indicates exceedance of Benthic Aquatic Life Chronic Toxicity
Indicates exceedance of both Human Health Bioaccumulation and Benthic Aquatic Life Chronic Toxicity

Table 4-4
Summary of Detected Semivolatile Organic Compounds in Sediment (Normalized for Organic Carbon)
Pemart Avenue Works Former MGP and EGP - RI Addendum
Consolidated Edison, Peekskill, New York
November - December 2007

Chemical Name	NYSDEC Sediment Screening Criteria Source: Technical Guidance for Screening Contaminated Sediment (NYSDEC, 1999) Human Health Bioaccumulation	NYSDEC Sediment Screening Criteria Source: Technical Guidance for Screening Contaminated Sediment (NYSDEC, 1999) Benthic Aquatic Life Chronic Toxicity	Location ID / Sample ID / Sample Date / Depth Interval (ft) / Lithology / units	SD23 / SD23 (3-5) / 12/11/2007 / 3- 5 / Upper Silt	SD25 / SD25 (3-4) / 12/14/2007 / 3- 4 / Upper Silt	SD25 / SD25 (4-5) / 12/14/2007 / 4- 5 / Silt/Clay
CHEMISTRY						
TOTAL ORGANIC CARBON	NC	NC	%	**2.94**	**4.72**	**1.0845**
TOTAL SOLIDS	NC	NC	%	**37.5**	**51.3**	**69.9**
SVOC-PAH						
2-METHYLNAPHTHALENE	NC	30	mg/kg OC	**4.0816 J**	***44.4915 J***	43.3379 U
ACENAPHTHENE	NC	240	mg/kg OC	**5.102 J**	***317.7966***	43.3379 U
ACENAPHTHYLENE	NC	NC	mg/kg OC	**14.6259 J**	**57.2034 J**	43.3379 U
ANTHRACENE	NC	107	mg/kg OC	**19.0476 J**	***182.2034***	43.3379 U
BENZO(A)ANTHRACENE	0.7	12	mg/kg OC	***44.2177 J***	***152.5424***	43.3379 U
BENZO(A)PYRENE	0.7	NC	mg/kg OC	***51.0204 J***	***120.7627***	43.3379 U
BENZO(B)FLUORANTHENE	0.7	NC	mg/kg OC	***40.8163 J***	***82.6271***	43.3379 U
BENZO(G,H,I)PERYLENE	NC	NC	mg/kg OC	**29.932 J**	**61.4407 J**	43.3379 U
BENZO(K)FLUORANTHENE	0.7	NC	mg/kg OC	***47.619 J***	***82.6271***	43.3379 U
CHRYSENE	0.7	NC	mg/kg OC	***51.0204 J***	***177.9661***	43.3379 U
DIBENZ(A,H)ANTHRACENE	NC	NC	mg/kg OC	**8.5034 J**	**17.7966 J**	43.3379 U
FLUORANTHENE	NC	1340	mg/kg OC	**88.4354 J**	**275.4237**	43.3379 U
FLUORENE	NC	38	mg/kg OC	**5.102 J**	***148.3051***	43.3379 U
INDENO(1,2,3-CD)PYRENE	0.7	NC	mg/kg OC	***27.2109 J***	***48.7288 J***	43.3379 U
NAPHTHALENE	NC	38	mg/kg OC	**4.7619 J**	***57.2034 J***	43.3379 U
PHENANTHRENE	NC	160	mg/kg OC	**44.2177 J**	***487.2881***	43.3379 U
PYRENE	NC	961	mg/kg OC	**81.6327 J**	**296.6102**	**2.213 J**
TOTAL PAHS (CALCULATED)	NC	NC	mg/kg OC	**567.3469**	**2611.0169**	**2.213**
SVOC						
1,1-BIPHENYL	NC	NC	mg/kg OC	29.932 UJ	**8.6864 J**	43.3379 U
4-CHLOROANILINE	NC	NC	mg/kg OC	**2.7211 J**	67.7966 U	43.3379 U
4-METHYLPHENOL (P-CRESOL)	NC	NC	mg/kg OC	29.932 UJ	67.7966 U	43.3379 U
BENZALDEHYDE	NC	NC	mg/kg OC	**6.4626 J**	67.7966 UJ	43.3379 UJ
BIS(2-ETHYLHEXYL) PHTHALATE	NC	199.5	mg/kg OC	**37.415 J**	67.7966 U	43.3379 U
BUTYLBENZYLPHTHALATE	NC	NC	mg/kg OC	**6.4626 J**	67.7966 U	43.3379 U
CARBAZOLE	NC	NC	mg/kg OC	**3.3673 J**	67.7966 U	43.3379 U
DIBENZOFURAN	NC	NC	mg/kg OC	29.932 UJ	**17.7966 J**	43.3379 U

Notes:
Only compounds which were detected in at least one sample are shown.
mg/kg OC - mg/kg normalized for organic carbon
NC = No NYSDEC Criteria
J = Estimated Value
U = Not Detected
Boldface indicates detected concentration
Indicates exceedance of Human Health Bioaccumulation
Indicates exceedance of Benthic Aquatic Life Chronic Toxicity
Indicates exceedance of both Human Health Bioaccumulation and Benthic Aquatic Life Chronic Toxicity



SD14		
CONSTITUENT	(.5-4)	(6-8)
Total PAHs (mg/kg)	1998	0.34
Total PAHs (mg/kg OC)	57754	18.8
Total BTEX (mg/kg OC)	ND	15.6

SD10	
CONSTITUENT	(2-3)
Total PAHs (mg/kg)	138
Total PAHs (mg/kg OC)	1705
Total BTEX (mg/kg OC)	15.2

SD13		
CONSTITUENT	(5-7)	(15-17)
Total PAHs (mg/kg)	0.59	0.55
Total PAHs (mg/kg OC)	38.6	9.9
Total BTEX (mg/kg OC)	ND	0.023

SD09		
CONSTITUENT	(2-4)	(5-7)
Total PAHs (mg/kg)	275	6.1
Total PAHs (mg/kg OC)	6748	315
Total BTEX (mg/kg OC)	27.8	0.40

SD03		
CONSTITUENT	(14-16)	(16-16.5)
Total PAHs (mg/kg)	150	11.0
Total PAHs (mg/kg OC)	9263	197
Total BTEX (mg/kg OC)	856	1469

SD23	
CONSTITUENT	(3-5)
Total PAHs (mg/kg)	16.7
Total PAHs (mg/kg OC)	567
Total BTEX (mg/kg OC)	0.085

SD22		
CONSTITUENT	(7-9)	(13-15)
Total PAHs (mg/kg)	0.22	0.38
Total PAHs (mg/kg OC)	11.9	4.4
Total BTEX (mg/kg OC)	0.055	0.014

SD15			
CONSTITUENT	(.5-2)	(4-5)	(6-7)
Total PAHs (mg/kg)	76.6	0.34	0.066
Total PAHs (mg/kg OC)	5763	30.9	6.1
Total BTEX (mg/kg OC)	0.78	ND	ND

SD04			
CONSTITUENT	(.5-2)	(6-7)	(14-15)
Total PAHs (mg/kg)	106	1.9	ND
Total PAHs (mg/kg OC)	1717	179	ND
Total BTEX (mg/kg OC)	0.18	ND	0.0071

SD21		
CONSTITUENT	(.5-2)	(4-5)
Total PAHs (mg/kg)	11478	21.4
Total PAHs (mg/kg OC)	117362	3763
Total BTEX (mg/kg OC)	5315	201

SD07	
CONSTITUENT	(19-21)
Total PAHs (mg/kg)	0.060
Total PAHs (mg/kg OC)	2.4
Total BTEX (mg/kg OC)	0.21

SD16		
CONSTITUENT	(.5-2)	(4-5)
Total PAHs (mg/kg)	283	0.54
Total PAHs (mg/kg OC)	1913	50
Total BTEX (mg/kg OC)	0.29	0.04

SD06	
CONSTITUENT	(16-17)
Total PAHs (mg/kg)	0.033
Total PAHs (mg/kg OC)	1.8

SD05		
CONSTITUENT	(.5-2)	(16-17)
Total PAHs (mg/kg)	13.5	ND
Total PAHs (mg/kg OC)	536	ND
Total BTEX (mg/kg OC)	0.23	0.34

SD17		
CONSTITUENT	(.5-2)	(4-5)
Total PAHs (mg/kg)	165	1.3
Total PAHs (mg/kg OC)	2083	118
Total BTEX (mg/kg OC)	0.21	0.69

SD02		
CONSTITUENT	(10-11)	(18-19)
Total PAHs (mg/kg)	3.2	0.10
Total PAHs (mg/kg OC)	56.9	9.8
Total BTEX (mg/kg OC)	0.21	ND

SD25		
CONSTITUENT	(3-4)	(4-5)
Total PAHs (mg/kg)	123	0.024
Total PAHs (mg/kg OC)	2611	2.2
Total BTEX (mg/kg OC)	1.2	0.58

SD18		
CONSTITUENT	(.5-2)	(5-6)
Total PAHs (mg/kg)	32.1	5.9
Total PAHs (mg/kg OC)	892	540
Total BTEX (mg/kg OC)	21.1	ND

SD01	
CONSTITUENT	(12-12.5)
Total BTEX (mg/kg OC)	0.056

SD12		
CONSTITUENT	(2-4)	(4-6)
Total PAHs (mg/kg)	1.6	0.31
Total PAHs (mg/kg OC)	986	28.2
Total BTEX (mg/kg OC)	0.11	ND

SD11			
CONSTITUENT	(6-8)	(16-17)	(19-20)
Total PAHs (mg/kg)	514	3.8	0.66
Total PAHs (mg/kg OC)	5860	2706	61.1
Total BTEX (mg/kg OC)	20.5	45.7	53.9

LEGEND

- SEDIMENT SAMPLING LOCATION
- SEDIMENT SAMPLING LOCATION WHERE SAMPLES WERE NOT ANALYZED
- 1998 INDICATES EXCEEDANCE OF ERM FOR TOTAL PAHS (44.79 MG/KG)
- 5763 INDICATES EXCEEDANCE OF NEW YORK STATE HUMAN HEALTH BIOACCUMULATION OR BENTHIC AQUATIC LIFE CHRONIC TOXICITY SCREENING CRITERIA BY AT LEAST ONE INDIVIDUAL PAH.
- 53.9 INDICATES EXCEEDANCE OF NEW YORK STATE HUMAN HEALTH BIOACCUMULATION OR BENTHIC AQUATIC LIFE CHRONIC TOXICITY SCREENING CRITERIA BY AT LEAST ONE INDIVIDUAL BTEX COMPOUND.
- ND NOT DETECTED
- mg/kg MILLIGRAMS PER KILOGRAM SEDIMENT
- mg/kg OC MILLIGRAMS PER KILOGRAM ORGANIC CARBON

0 40 80 120 Feet

Revisions

No.:	Description:	Date:	By:

Designed By:
Drawn By: J.E.B.
Checked By: D.S.
Approved By: D.S.

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TOTAL BTEX AND TOTAL PAHS IN SEDIMENT
PEMART AVENUE FORMER MGP
PEEKSKILL, NEW YORK

Project Number: 01869-116-0400
Date: 2/08
Scale: 1" = 40'

Figure Number: 4-1

Sheet Number: 1

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5.0 Exposure Assessment

This section presents the results of an assessment of potential existing and future exposures relative to current Site conditions that may have resulted from operations of the former Pemart Avenue MGP and EGP. The qualitative exposure assessment was performed in accordance with the steps outlined in the NYSDEC Draft Technical Guidance for Site Investigation and Remediation (DER-10). An assessment was previously performed for the upland portion of the Site as previously presented in the RI Report. The previous assessment has been updated here to incorporate new data and information from the sediment investigation.

5.1 Potentially Exposed Populations

As described in the RI Report, the former Pemart Avenue Site is currently used for commercial purposes. Surrounding the Site to the north and east are steep bedrock outcrops and vegetation, to the southeast are commercial businesses and a parking lot, to the northwest is a small parking area, and to the southwest is the MTA ROW, beyond which is the undeveloped property that was formerly used for heavy industry, including a foundry. The property is currently either covered by buildings, pavement, vegetated areas, or ballast associated with the MTA ROW.

Through the course of the RI, it has been Con Edison's understanding that the City of Peekskill's future redevelopment plans for the Peekskill waterfront, which includes the former Site, would entail demolition of the existing structures and construction of new buildings for residential and commercial purposes. Based on recent communications with NYSDEC, Con Edison understands that the waterfront redevelopment plans are being delayed.

Currently, human populations that may potentially be exposed to impacted soil and groundwater at the Site include on-site workers, recreational users, part-time residents (homeless shelter), and construction and utility workers. In the future, construction and/or municipal workers may also be potentially exposed during routine maintenance and or upgrades to subsurface utilities, and/or future redevelopment activities at the Site.

Current human populations that may potentially be exposed to surface sediments (i.e., the top 6 inches) include construction and utility workers, fishermen, recreational users, and residents. Based on visual observations during the RI Addendum sediment coring, surface sediments are not impacted by MGP residuals. Construction and utility workers may also be exposed to deeper sediments.

Based on the conceptual site model, there is no reason to suspect that surface water has been measurably impacted by Site constituents. Therefore, exposure to surface water represents an incomplete exposure pathway.

5.2 Exposure Pathways

The potential exposure pathways described below were identified based on the current and future uses of the Site as summarized above:

Surface Soils – Although access to surface soil by on-site workers, recreational users, and residents is generally unrestricted, the majority of surface soil on the parcels along the west-side of North Water Street are covered by buildings and other structures, with minimal exposed or accessible surface soil. Surface soil on the east-side of North Water Street is located on the steep and heavily vegetated hillside and does not appear to be impacted by historical operations of the MGP and EGP. The surface soils present on the unpaved lot on this side of the North Water Street are primarily imported and do not contain MGP or EGP residuals. PAHs and inorganics were detected in the surface soils at concentrations above NYSDEC Recommended Soil

Cleanup Objectives (RSCOs) which are either presented in, or were determined following procedures presented in, Technical and Administrative Memorandum (TAGM) #4046 (NYSDEC, 1994). The PAHs are below background at all but three locations located adjacent to the MTA ROW. The inorganics may be related to urban background, operations of the Metro North Railroad, emissions from the former EGP and/or historical operations of the former foundry west of the Site.

Subsurface Soils – Construction and utility workers may potentially contact subsurface soils. Other receptors are unlikely to directly contact subsurface soils that locally contain elevated concentrations of VOCs, SVOCs and/or inorganics, as well as coal tar and petroleum-related NAPL.

Groundwater – Groundwater in the area of the Site is not used for drinking water due to the low volumes of water produced by the water table aquifer and its generally brackish character. Based on the low recharge rates during groundwater sampling and the relatively small overall volume of the water table aquifer, it would not likely produce a significant quantity of water for drinking water purposes. Classification of the groundwater as brackish, and therefore not potable, is based on the relatively high concentrations of dissolved anions and cations, as reflected by moderate to high specific conductivity of the water measured in the field during groundwater sampling and the elevated sodium concentrations measured during laboratory analysis of groundwater samples. In keeping with the limited groundwater use, direct contact would likely only occur during activities that require excavation that extend below the top of the water table, such as utility upgrade and/or maintenance and construction-related activities.

Surface Sediment – Access to surface sediment within the River adjacent to the Site is generally unrestricted. However, the frequency with which potential receptors (construction and utility workers, fishermen, recreational users, and residents) use this portion of the River appears to be minimal. In addition, the likely frequency with which these receptors would disturb the sediment is also considered minimal.

Based on visual observations during the RI Addendum, surface sediments are not impacted by MGP residuals. MGP residuals migrated to the sediments via subsurface flow rather than by surface runoff.

Subsurface Sediment – There is a small potential for construction and utility workers to access and contact subsurface sediment, generally assumed to be deeper than six inches to one foot below mud line. Currently there are no existing utilities in the river bottom and it is not anticipated that utilities will be installed there in the future. Other receptors are unlikely to directly contact subsurface sediments that locally contain elevated concentrations of VOCs and/or SVOCs.

Surface Water – As noted above, potential exposure to surface water is incomplete because surface water is not expected to have a measurable impact from former Site activities.

5.3 Contaminant Fate and Transport

MGP related constituents, including NAPL, are present at the former Pemart Avenue Site. Chlorinated VOCs were detected in the soils in the crawl space of, and other samples associated with, the EGP, as well as the sediment adjacent to the EGP across the MTA ROW. Inorganics were detected in soil and groundwater samples associated with both the former MGP and EGP. PCBs were not detected in soil or groundwater above RSCOs or WQC and, accordingly, PCBs and inorganics were not analyzed for in river sediment.

NAPL was observed in the shallow aquifer at the former gas holders and downgradient areas to the west including sediment within the Hudson River. NAPL and dissolved phase migration in the shallow aquifer is a potential transport mechanism at the Site. Groundwater at the Site discharges to the Hudson River, which is located downgradient of the Site.

Dissolved phase constituents were not detected in intermediate depth groundwater samples at concentrations above WQC (except iron, manganese, and sodium). Migration of constituents in this intermediate depth zone is not considered a significant pathway.

Exceedances of NYSDEC Water Quality Criteria were observed in one of the bedrock monitoring wells. Bedrock groundwater is not used in this area and is brackish, so it is not likely to be used for drinking water in the future. Bedrock groundwater flow to the overburden aquifer is a potential migration pathway, but based on the bedrock groundwater concentrations and likely small quantity of bedrock groundwater flow, it is anticipated to be significantly less of a migration pathway than the overburden aquifer. Bedrock groundwater generally flows to the west and provides recharge to the overburden aquifer system and to the Hudson River. Other than this discharge, the bedrock appears to be isolated from the unconsolidated aquifer system by weathered bedrock and the low permeability upper silt/clay unit.

NAPL and other constituents may have migrated to the sediments of the Hudson River through the subsurface sediments rather than by surface runoff. Based on the conceptual site model, it does not appear that surface runoff has impacted or is likely to impact the surface sediments in the River. MGP residuals were not observed in surface sediments. Consistent with the conceptual site model, site-related NAPL and constituents were observed in deeper sediments above the low permeability silty/clay unit. No site-related impacts are anticipated in surface water.

6.0 Summary of Findings

This section provides a summary of the RI Addendum findings for sediment.

- Visual evidence of MGP residuals were not observed in surface sediments, defined as the biologically-active zone, generally considered to be the top 10 to 15 cm of sediment.
- Visual evidence of MGP residues, including coal tar NAPL and globules were observed in sediments at discrete intervals within the upper silt and sand lenses ranging in depths from up to 0.5 to 18 feet bml. Contact with sediments at these depths is unlikely for humans or ecological receptors.
- The NAPL observed in sediment does not penetrate the silt/clay unit. This silt/clay unit is prevalent beneath the upland portions of the Site and coal tar residues and or NAPL observed in upland soils also did not penetrate this unit.
- These MGP residuals were detected within an area of less than one acre (250 feet by 150 feet or approximately 37,500 square feet) adjacent to the shore line and downgradient of the former MGP building.
- BTEX compounds and PAHs were detected in sediment samples at concentrations above their respective NYSDEC OC-normalized SSCs. In general, BTEX compounds and PAHs were only detected at concentrations above SSCs in samples where visual evidence of impact was present, with the highest concentrations coinciding with NAPL impacted lenses, and lower concentrations coinciding with intervals where sheen or odor was detected.
- Bulk sediment total PAH concentrations exceeded the ERM guidance value for bulk sediment total PAHs in all but two of the samples collected. However, it is noted that the detected concentrations of total PAHs in the perimeter (delineation) samples were one to three orders of magnitude lower than the total PAH concentrations in samples where visible impacts were observed.
- Based on visual observations of the presence of NAPL, sediment core were collected at fourteen locations around the perimeter of observed NAPL to confirm the horizontal boundary of MGP impacts. Sediment core samples from these perimeter locations confirm that visual observations of coal tar NAPL identify potential source areas in sediment.
- Concentrations of BTEX and PAHs in sediment samples collected below the visually impacted intervals either were below the NYSDEC OC-normalized SSCs and bulk sediment guidelines, or significantly lower than those detected in the visually impacted zone, thus indicating the vertical boundary of the MGP impacts.
- Chlorinated and non-chlorinated VOCs, other than BTEX, were detected in a majority of the 45 sediment samples. Exceedances of these non-MGP related VOCs were primarily detected at the closest locations to the former EGP building. It is noted that during the RI of the upland areas of the former MGP and EGP, trichloroethene and vinyl chloride were detected in subsurface soils collected from the crawl space beneath the former EGP building. These VOCs are not considered typical MGP or EGP constituents and are likely due to commercial operations in this building subsequent to operations of the former EGP, e.g., operations of the wood worker, granite polisher, or other past operations.

7.0 Conclusions and Recommendations

This section provides the comprehensive RI conclusions:

- An extensive RI has been completed that characterizes the nature and extent of constituents related to the former MGP and EGP operations at the Site.
- The lateral and vertical extent of MGP residues at and downgradient from the Site has been delineated in soils and groundwater. No further characterization of these media is recommended.
- Collectively, impacts at the Site encompass an area that includes most of the former MGP, the southern portion of the EGP, and extends off site to the west beneath the MTA ROW and onto the undeveloped former industrial properties between the MTA ROW and the river.
- Coal tar NAPL appears to have migrated laterally in the subsurface from on-site source areas to the deeper sediments that comprise the bottom of Peekskill Bay.
- Coal tar impacted sediments were limited to less than one acre and were generally detected at depth. No further sediment characterization is recommended.
- Sediment cores were advanced in various directions from the area where visually-impacted sediments were observed to delineate the horizontal extent of MGP-related impacts. Although BTEX and PAHs were detected in some of the delineation samples above the NYSDEC OC-normalized SSCs, the concentrations of these constituents in these exterior borings were significantly (i.e., at lest one order of magnitude) lower than in samples from the NAPL-impacted samples. The combined visual and analytical data for these delineation samples indicates that the horizontal extent of the MGP-impacted sediments has been established and confirms that visual observations of coal tar NAPL identify potential source areas in sediment.
- The vertical extent of coal tar NAPL or residue is limited to the sediments above the silty/clay unit that was prevalent at depth throughout the area of the riverbed investigated, as well as beneath the upland area of the Site. The vertical extent of coal tar residue and or NAPL is limited to this same silty/clay unit in the upland areas.
- There is no current exposure risk to existing sediment quality/conditions, as the apparent impacts are within the deeper sediments. No impacts were detected in the surface sediments/bioactive zone.
- There are no anticipated measurable impacts to surface water from Site constituents.

8.0 References

Con Edison, 2007. Remedial Investigation (RI) Work Plan Addendum, Former Pemart Avenue Works, Manufactured Gas Plant (MGP) and Electric Generating Plant (EGP), Site No. V00566. April 2007

ENSR, 2005 Site Characterization Study Work Plan, Pemart Avenue Former MGP, VCA Site No. V00566. July 2005.

ENSR, 2007. Remedial Investigation Report, Former Pemart Avenue Works Manufactured Gas Plant (MGP) and Electric Gas Plant (EGP). February 2007.

ENSR, 2007. Health and Safety Plan, Hudson River Sediment Investigation, Former Pemart Avenue Works Manufactured Gas Plant (MGP) and Electric Generating Plant (EGP), Peekskill, New York. September 2007.

NYSDEC 1994. Technical and Administrative Memorandum #4046. Determination of Soil Cleanup Objectives and Cleanup Levels. Division of Hazardous Waste Remediation. January 1994.

NYSDEC, 1999. Technical Guidance for Screening Contaminated Sediment, Division of Fish, Wildlife and Marine Resources, New York State of Department of Environmental Conservation. January 1999.

NYSDEC, 2001. Guidance for the Development of Data Usability Summary Reports, New York State Department of Environmental Conservation Division of Environmental Remediation. August 2001.

USEPA, 2001. Methods for Collection, Storage and Manipulation of Sediments for Chemical and Toxicological Analyses: Technical Manual. EPA-823-B-01-002.

Appendix A

Field Records

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Core Log

Core ID: SD-1

Project: Pemart Avenue Works Former MGP & EGP

Project #: 01869-126-240

Client: Consolidated Edison Co. of New York, Inc.

Start Date: 11/28/2007 End Date: 11/28/2007

Contractor: Atlantic Testing Laboratories Inc.

Operator: Timothy Lago

Method: Vibracore
Inner: Flexible Liner

Total Recovery (ft): 8'
Total Depth (ft): 12.50'
Total Compaction: 36%

Location: Peekskill, New York

Northing: 895544.94 Easting: 648096.53

Mudline Elevation (ft): -7.60'

Depth - Deck to Mudline (ft): ~7'

Logged by: S. Olson, J. Shackford

SAMPLE				Depth (ft)	USCS	Lithology	Lithologic Description
Sample ID	Recovery (ft)	PID (ppm)	Lab Sample ID				
SD - 1 0 - 8'	8'	1.2		0	OL		(0-7') Dark gray to black SILT; no odor, no NAPL, no stain, no sheen
SD - 1 7 - 8.5'		5.2		5			(7-8.5') SAA with mild odor, no free NAPL, mild NAPL sheen
SD - 1 8.5 - 10.5'		0.4			MH		(8.5-10.5') Gray-green SILT to CLAYEY SILT with Sand and Gravel, somewhat stiff to stiff; no odor, no NAPL, no stain, no sheen
SD - 1 10.5 - 12.5'		0.2	SD-1 (12-12.5')	10	ML/ MH		(10.5-12.5') Brown SILT with occasional vf sand lenses (1-2mm), no odor, no NAPL, no stain, no sheen (12.5') END OF BORING

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Core Log

Core ID: SD-2

Project: Pemart Avenue Works Former MGP & EGP

Project #: 01869-126-240

Client: Consolidated Edison Co. of New York, Inc.

Start Date: 11/29/2007 End Date: 11/29/2007

Contractor: Atlantic Testing Laboratories Inc.

Operator: Timothy Lago

Method: Vibracore
Inner: Flexible Liner

Total Recovery (ft): 10'
Total Depth (ft): 20'
Total Compaction: 50%

Location: Peekskill, New York

Northing: 895429.25 Easting: 648114.10

Mudline Elevation (ft): -9.51'

Depth - Deck to Mudline (ft): 7.35'

Logged by: S. Olson, J. Shackford

SAMPLE				Depth (ft)	USCS	Lithology	Lithologic Description
Sample ID	Recovery (ft)	PID (ppm)	Lab Sample ID				
SD - 2 0 - 7'	10'	1.0		0	OL		(0-7') Brown SAND, SILT, tr organic matter; mild burnt odor, no NAPL, no stain, mild sheen whisps (2-5' bml)
				5			
SD - 2 7 - 13'		0.8	SD-2 (10-11')	10	PT/ OL		(7-14') PEAT, brown organics, mild organic odor, no NAPL, no stain, no sheen
SD - 2 13 - 15'							
SD - 2 15 - 17'		3.4	SD-2 (16.5-17')	15	OL		(14-15') Gradational change from PEAT to SILT below; no odor, no NAPL, no stain, no sheen (15-17') Brown Sandy SILT with some organics; no odor, no NAPL, no stain, no sheen
SD - 2 17 - 18'					ML		(17-18') Gray brown-gray vf SANDY SILT; no odor, no NAPL, no stain, no sheen
SD - 2 18 - 20'		0.8	SD-2 18-19')		CL		(18-20') SILT to SILTY CLAY, somewhat firm; no odor, no NAPL, no stain, no sheen (20') END OF BORING
				20			

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Core Log

Core ID: SD-3

Project: Pemart Avenue Works Former MGP & EGP	Contractor: Atlantic Testing Laboratories Inc.	Location: Peekskill, New York
Project #: 01869-126-240	Operator: Timothy Lago	Northing: 895427.89 Easting: 648251.85
Client: Consolidated Edison Co. of New York, Inc.	Method: Vibracore Inner: Flexible Liner	Mudline Elevation (ft): -8.00'
Start Date: 11/29/2007 End Date: 11/29/2007	Total Recovery (ft): 11.5' Total Depth (ft): 16.3' Total Compaction: 30%	Depth - Deck to Mudline (ft): 5-7' Logged by: S. Olson, J. Shackford

SAMPLE				Depth (ft)	USCS	Lithology	Lithologic Description
Sample ID	Recovery (ft)	PID (ppm)	Lab Sample ID				
SD - 3 0 - 4.5'	11'	1.2	SD-3 (1-3')	0	OL		(0-4.5') Brown SILT, SAND, and ORGANIC MATTER; mild odor, no NAPL, no stain, occasional sheen spots on outer core (2-4.5' bml)
SD - 3 4.5 - 7'				5			(4.5-7') SAA but gray to black in color
SD - 3 7 - 10'		285.7	SD-3 (9-10')	10			(7-10') Gray to black SILT with angular Gravel and possible slag material; strong tar odor, NAPL saturated (8-10' bml)
SD - 3 10 - 16'		35.2	SD-3 (14-16')	15	OH/ OL		(10-16') Gray-brown SILT with occasional organic/root matter; no odor, no NAPL, no stain
SD - 3 16 - 16.3'		4.5	SD-3 (16-16.3')		PT		(16-16.3') Brown fibrous PEAT; organic odor, no NAPL, no stain (16.3') END OF BORING

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Core Log

Core ID: SD-4

Project: Pemart Avenue Works Former MGP & EGP

Project #: 01869-126-240

Client: Consolidated Edison Co. of New York, Inc.

Start Date: 11/29/2007 End Date: 11/29/2007

Contractor: Atlantic Testing Laboratories Inc.

Operator: Timothy Lago

Method: Vibracore
Inner: Flexible Liner

Total Recovery (ft): 11'
Total Depth (ft): 15.3'
Total Compaction: 27%

Location: Peekskill, New York

Northing: 895300.88 Easting: 648261.61

Mudline Elevation (ft): -8.84'

Depth - Deck to Mudline (ft): 8.50'

Logged by: S. Olson, J. Shackford

SAMPLE				Depth (ft)	USCS	Lithology	Lithologic Description
Sample ID	Recovery (ft)	PID (ppm)	Lab Sample ID				
SD - 4 0 - 3'	11'	2.8	SD-4 (0.5-2')	0	OL		(0-3') Black SILT, SAND, and ORGANIC MATTER; mild burnt or fuel-like odor, no NAPL, no stain, no sheen
SD - 4 3 - 7.5'		1.0	SD-4 (6-7')	5	ML/ MH		(3-7.5') Dark gray SILT to SILTY CLAY; no odor, no NAPL, no stain, no sheen
SD - 4 7.5 - 12.5'		0.9		10			(7.5-12.5') Gradational change to SANDY SILT; no odor, no NAPL, no stain, no sheen
SD - 4 12.5 - 14.5'			SD-4 (14-15')				(12.5-14.5') SILT to SILTY CLAY; no odor, no NAPL, no stain, no sheen
SD - 4 14.5 - 15.3'		2.3		15	PT		(14.5-15.3') Brown fibrous PEAT, no odor, no NAPL, no stain, no sheen (15.3') END OF BORING

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Core Log

Core ID: SD-5

Project: Pemart Avenue Works Former MGP & EGP

Project #: 01869-126-240

Client: Consolidated Edison Co. of New York, Inc.

Start Date: 11/30/2007 End Date: 11/30/2007

Contractor: Atlantic Testing Laboratories Inc.

Operator: Timothy Lago

Method: Vibracore
Inner: Flexible Liner

Total Recovery (ft): 11.3'
Total Depth (ft): 17.5'
Total Compaction: 35%

Location: Peekskill, New York

Northing: 895320.18 Easting: 648125.98

Mudline Elevation (ft): -10.54'

Depth - Deck to Mudline (ft): 8.20'

Logged by: J. Shackford, G. Kirkwood

SAMPLE				Depth (ft)	USCS	Lithology	Lithologic Description
Sample ID	Recovery (ft)	PID (ppm)	Lab Sample ID				
SD - 5 0 - 7.5'			SD-5 (0.5-2')	0	OL		(0-7.5') Dark gray to black SILT; slight organic odor, no NAPL, no stain, no sheen
SD - 5 7.5 - 16.5'	11.3'	NM	SD-5 (16-17')	5 10 15	ML/ MH		(7.5-16.5') Gray SILT with vf sand lenses (1-2 mm) at 16' bml, stiff; no odor, no NAPL, no stain, no sheen
SD - 5 16.5 - 17.5'					PT		(16.5-17.5') Gray SILT, stiff, with PEAT; no odor, no NAPL, no stain, no sheen (17.5') END OF BORING

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Core Log

Core ID: SD-6

Project: Pemart Avenue Works Former MGP & EGP

Project #: 01869-126-240

Client: Consolidated Edison Co. of New York, Inc.

Start Date: 11/30/2007 End Date: 11/30/2007

Contractor: Atlantic Testing Laboratories Inc.

Operator: Timothy Lago

Method: Vibracore
Inner: Flexible Liner

Total Recovery (ft): 8'
Total Depth (ft): 20'
Total Compaction: 60%

Location: Peekskill, New York

Northing: 895421.95 Easting: 648182.31

Mudline Elevation (ft): -9.65'

Depth - Deck to Mudline (ft): 7.75'

Logged by: J. Shackford, G. Kirkwood

SAMPLE				Depth (ft)	USCS	Lithology	Lithologic Description
Sample ID	Recovery (ft)	PID (ppm)	Lab Sample ID				
SD - 6 0 - 5'	8'	0.4		0	OL		(0-5') Dark gray to black SILT; no odor, no NAPL, no stain, no sheen
SD - 6 5 - 17'		0.4	SD-6 (16-17')	5 10 15	ML/ MH		(5-17') Gray SILT, stiff; no odor, no NAPL, no stain, no sheen
SD - 6 17 - 20'		0.5		20	SW		(17-20') Dark gray m-f SAND and GRAVEL; no odor, no NAPL, no stain, no sheen (20') END OF BORING

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Core Log

Core ID: SD-7

Project: Pemart Avenue Works Former MGP & EGP

Project #: 01869-126-240

Client: Consolidated Edison Co. of New York, Inc.

Start Date: 12/03/2007 End Date: 12/03/2007

Contractor: Atlantic Testing Laboratories Inc.

Operator: Timothy Lago

Method: Vibracore
Inner: Flexible Liner

Total Recovery (ft): 9.25'
Total Depth (ft): 37'
Total Compaction: 49%

Location: Peekskill, New York

Northing: 895420.71 Easting: 648189.04

Mudline Elevation (ft): -9.70'

Depth - Deck to Mudline (ft): ~7'

Logged by: S. Olson, J. Shackford

SAMPLE				Depth (ft)	USCS	Lithology	Lithologic Description
Sample ID	Recovery (ft)	PID (ppm)	Lab Sample ID				
SD - 7 0 - 19'				0 5 10 15			(0-19') Drove casing to 19' bml; vibracore 19-37' bml
SD - 7 19 - 21'			SD-7 (19-21')	20	PT		(19-21') Brown fibrous PEAT, tr gravel; no odor, no NAPL, no stain, no sheen
SD - 7 21 - 31'	9.25'	NM		25 30			(21-31') Brown fibrous PEAT; organic odor, no NAPL, no stain, no sheen
SD - 7 31 - 37'				35			(31-37') Brown SILTY fibrous PEAT; organic odor, no NAPL, no stain, no sheen (37') END OF BORING

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Core ID: SD-8

Project: Pemart Avenue Works Former MGP & EGP	Contractor: Atlantic Testing Laboratories Inc.	Location: Peekskill, New York
Project #: 01869-126-240	Operator: Timothy Lago	Northing: 895549.96 Easting: 648058.62
Client: Consolidated Edison Co. of New York, Inc.	Method: Vibracore	Mudline Elevation (ft): -9.60'
Start Date: 12/04/2007 End Date: 12/04/2007	Inner: Flexible Liner	Depth - Deck to Mudline (ft): 7'
	Total Recovery (ft): 14.7' Total Depth (ft): 15.2' Total Compaction: 6%	Logged by: S. Olson, J. Shackford

SAMPLE				Depth (ft)	USCS	Lithology	Lithologic Description
Sample ID	Recovery (ft)	PID (ppm)	Lab Sample ID				
SD - 8 0 - 4'				0	OL		(0-3.5') Dark gray-black SILT, some organic matter; no odor, no NAPL, no stain, no sheen
							(3.5-4') SAA with mild odor, few NAPL globules, no stain, no sheen
SD - 8 4 - 5'					CL		(4-5') Gray SILTY CLAY, firm; no odor, no NAPL, no stain, no sheen
SD - 8 5- 15.2'	14.7'	NM		5	CL/ MH		(5-9') Brown CLAYEY SILT, somewhat firm to firm; no odor, no NAPL, no stain, no sheen
				10			(9-15.2') SAA with few f Sand lenses, somewhat firm to firm; no odor, no NAPL, no stain, no sheen
				15			(15.2') END OF BORING

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Core Log

Core ID: SD-9

Project: Pemart Avenue Works Former MGP & EGP

Project #: 01869-126-240

Client: Consolidated Edison Co. of New York, Inc.

Start Date: 12/05/2007 End Date: 12/05/2007

Contractor: Atlantic Testing Laboratories Inc.

Operator: Timothy Lago

Method: Vibracore
Inner: Flexible Liner

Total Recovery (ft): 11'
Total Depth (ft): 21.5'
Total Compaction: 47%

Location: Peekskill, New York

Northing: 895502.06 Easting: 648222.28

Mudline Elevation (ft): -5.15'

Depth - Deck to Mudline (ft): 3-5'

Logged by: S. Olson, J. Shackford

SAMPLE				Depth (ft)	USCS	Lithology	Lithologic Description
Sample ID	Recovery (ft)	PID (ppm)	Lab Sample ID				
SD - 9 0 - 2		2.4		0	SP		(0-2') Firm bottom at mudline, GRAVELLY SAND with rocks and timbers, tight; no odor, no NAPL, no stain, no sheen
SD - 9 2 - 3.5'		60.2	SD-9 (2-4')		OL		(2-3.5') Dark brown-black SILT, wood fragments; tar-like odor, NAPL globules, no stain, no sheen (3.5') Casing set at 3.5' bml
SD - 9 3.5 - 10.5'	11'	1.5	SD-9 (5-7')	5	ML/ MH		(3.5-10.5') Brown-gray SILT, little vf sand, few coal fragments, soft to slightly stiff; no odor, no NAPL, no stain, no sheen
SD - 9 10.5 - 15'		1.6		10	ML		(10.5-14.5') SAA with more SAND, slightly firmer; no odor, no NAPL, no stain, no sheen
SD - 9 15 - 19.5'		1.8		15	ML/ MH		(14.5-19.5') SAA with less SAND, slightly softer; no odor, no NAPL, no stain, no sheen
SD - 9 19.5 - 20.5'		3.8		20	SP		(19.5-20.5') Gray m SAND; no odor, no NAPL, no stain, no sheen
SD - 9 20.5 - 21.5'		2.4			PT		(20.5-21.5') Brown fibrous PEAT; no odor, no NAPL, no stain, no sheen (21.5') END OF BORING

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Core Log

Core ID: SD-10

Project: Pemart Avenue Works Former MGP & EGP

Project #: 01869-126-240

Client: Consolidated Edison Co. of New York, Inc.

Start Date: 12/05/2007 End Date: 12/05/2007

Contractor: Atlantic Testing Laboratories Inc.

Operator: Timothy Lago

Method: Vibracore
Inner: Flexible Liner

Total Recovery (ft): 9'
Total Depth (ft): 20'
Total Compaction: 55%

Location: Peekskill, New York

Northing: 895590.76 Easting: 648176.80

Mudline Elevation (ft): -5.93'

Depth - Deck to Mudline (ft): 3'

Logged by: S. Olson, J. Shackford

SAMPLE				Depth (ft)	USCS	Lithology	Lithologic Description
Sample ID	Recovery (ft)	PID (ppm)	Lab Sample ID				
SD - 10 0 - 2.5'	9'			0	OL		(0-2.5') Dark brown SILT, SAND, and GRAVEL, soft; mild tar odor, no NAPL, no stain, no sheen
SD - 10 2.5 - 3'		79.8	SD-10 (2-3')				(2.5-3') Dark brown SAND; tar odor, 4" of NAPL, no stain, no sheen
SD - 10 3 - 5'		1.0					(3-5') Brown SILT, tr root matter; no odor, no NAPL, no stain, no sheen
SD - 10 5 - 8'		2.3		5	PT		(5-8') Brown fibrous PEAT; organic odor, no NAPL, no stain, no sheen
SD - 10 8 - 9.5'					ML		(8-9.5') Brown SILT grading to gray-brown SANDY SILT at 9.5'; no odor, no NAPL, no stain, no sheen
SD - 10 9.5 - 11.5'				10			(9.5-11.5') Gray-brown SANDY SILT grading to gray SANDY SILT at 11.5'; no odor, no NAPL, no stain, no sheen
SD - 10 11.5 - 16'		0.8					(11.5-16') Gray SANDY SILT, loose, firm at depth; no odor, no NAPL, no stain, no sheen
				15	MH		
SD - 10 16 - 20'		0.1			CL		(16-20') Gray CLAY, somewhat stiff to stiff; no odor, no NAPL, no stain, no sheen
				20	CH		(20') END OF BORING

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Core Log

Core ID: SD-11

Project: Pemart Avenue Works Former MGP & EGP

Project #: 01869-126-240

Client: Consolidated Edison Co. of New York, Inc.

Start Date: 12/05/2007 End Date: 12/05/2007

Contractor: Atlantic Testing Laboratories Inc.

Operator: Timothy Lago

Method: Vibracore
Inner: Flexible Liner

Total Recovery (ft): 10'
Total Depth (ft): 20'
Total Compaction: 50%

Location: Peekskill, New York

Northing: 895506.75 Easting: 648138.45

Mudline Elevation (ft): -9.74'

Depth - Deck to Mudline (ft): 6.4'

Logged by: S. Olson, J. Shackford

SAMPLE				Depth (ft)	USCS	Lithology	Lithologic Description
Sample ID	Recovery (ft)	PID (ppm)	Lab Sample ID				
SD - 11 0 - 2.5'	10'	2.6		0	OL		(0-2.5') Black SILT, SAND, GRAVEL, Organic matter; mild tar-like odor, no NAPL, no stain, no sheen
SD - 11 2.5 - 12'		7.7	SD-11 (6-8')	5			(2.5-12') Black SILT with root matter, soft to slightly stiff; mild tar-like odor, no NAPL, no stain, no sheen
		8.3		10	OL/ ML		
SD - 11 12 - 19'		11.7	SD-11 (16-17')	15	SP		(12-17.5') Gray f-m SAND, tr c Sand, no odor, no NAPL, no stain, no sheen
							(17.5-19') SAA with tar odor, 4" thick tar zone within sand from 17.5 to 17.8' bml, no stain, no sheen
SD - 11 19 - 20'		2.8	SD-11 (19-20')	20	CL/ CH		(19-20') Gray-greenish-blue SILTY CLAY; no odor, no NAPL, no stain, no sheen (20') END OF BORING

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Core Log

Core ID: SD-12

Project: Pemart Avenue Works Former MGP & EGP

Project #: 01869-126-240

Client: Consolidated Edison Co. of New York, Inc.

Start Date: 12/05/2007 End Date: 12/05/2007

Contractor: Atlantic Testing Laboratories Inc.

Operator: Timothy Lago

Method: Vibracore
Inner: Flexible Liner

Total Recovery (ft): 18'
Total Depth (ft): 20'
Total Compaction: 10%

Location: Peekskill, New York

Northing: 895490.30 Easting: 648061.22

Mudline Elevation (ft): -10.12'

Depth - Deck to Mudline (ft): 8.5'

Logged by: S. Olson, J. Shackford

SAMPLE				Depth (ft)	USCS	Lithology	Lithologic Description
Sample ID	Recovery (ft)	PID (ppm)	Lab Sample ID				
SD - 12 0 - 4'	18'	0.8	SD-12 (2-4')	0	OL		(0-4') Black SILT with root matter; no odor, no NAPL, no stain, no sheen
SD - 12 4 - 6.5'			SD-12 (4-6')	5	CL		(4-6.5') Gray SILTY CLAY with vf (mm) Sand lenses; no odor, no NAPL, no stain, no sheen
SD - 12 6.5 - 15'		0.1 0.2		10 15	CH		(6.5-15') Brown SILTY CLAY, stiff/fat; no odor, no NAPL, no stain, no sheen
SD - 12 15 - 17.5'					CL		(15-17.5') Brown CLAYEY SILT to SILTY CLAY, soft to somewhat stiff; no odor, no NAPL, no stain, no sheen
SD - 12 17.5 - 20'		0.1		20	CH		(17.5-20') Gray CLAYEY SILT to SILTY CLAY, stiff; no odor, no NAPL, no stain, no sheen (20') END OF BORING

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Core Log

Core ID: SD-13

Project: Pemart Avenue Works Former MGP & EGP

Project #: 01869-126-240

Client: Consolidated Edison Co. of New York, Inc.

Start Date: 12/06/2007 End Date: 12/06/2007

Contractor: Atlantic Testing Laboratories Inc.

Operator: Timothy Lago

Method: Vibracore
Inner: Flexible Liner

Total Recovery (ft): 9.5'
Total Depth (ft): 18'
Total Compaction: 35%

Location: Peekskill, New York

Northing: 895581.50 Easting: 648228.91

Mudline Elevation (ft): -4.28'

Depth - Deck to Mudline (ft): 4'

Logged by: S. Olson, J. Shackford

SAMPLE				Depth (ft)	USCS	Lithology	Lithologic Description
Sample ID	Recovery (ft)	PID (ppm)	Lab Sample ID				
SD - 13 0 - 3.5	9.5'			0	GM/ SW		(0-2') Gray SAND/GRAVEL; no odor, no NAPL, no stain, no sheen
							(2-3.5') Brown SILT; no odor, few NAPL globules, no stain, no sheen (3.5') Casing set at 3.5' bml
SD - 13 3.5 - 9'		0.7	SD-13 (5-7')	5	OL		(3.5-9') Brown SILT with root material; no odor, no NAPL, no stain, no sheen
SD - 13 9 - 13.5'		0.5	SD-13 (11-13')	10	SP		(9-13.5') Gray f-m SAND, little Gravel at 13-13.5' bml; no odor, no NAPL, no stain, no sheen
SD - 13 13.5 - 18'		0.5	SD-13 (15-17')	15	PT		(13.5-18') Brown fibrous PEAT, dry; no odor, no NAPL, no stain, no sheen (18') END OF BORING

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Core Log

Core ID: SD-14

Project: Pemart Avenue Works Former MGP & EGP

Project #: 01869-126-240

Client: Consolidated Edison Co. of New York, Inc.

Start Date: 12/06/2007 End Date: 12/06/2007

Contractor: Atlantic Testing Laboratories Inc.

Operator: Timothy Lago

Method: Vibracore
Inner: Flexible Liner

Total Recovery (ft): 14'
Total Depth (ft): 20'
Total Compaction: 30%

Location: Peekskill, New York

Northing: 895637.14 Easting: 648186.80

Mudline Elevation (ft): -6.73'

Depth - Deck to Mudline (ft): 4.6'

Logged by: S. Olson, J. Shackford

SAMPLE				Depth (ft)	USCS	Lithology	Lithologic Description
Sample ID	Recovery (ft)	PID (ppm)	Lab Sample ID				
SD - 14 0 - 4'	14'	81.3	SD-14 (0.5-4')	0	OL		(0-4') Black SAND, SILT, ORGANIC MATTER; no odor, no NAPL, no stain, no sheen
SD - 14 4 - 5'							(4-5') SAA with strong tar odor, NAPL
SD - 14 5 - 9.5'		3.3	SD-14 (6-8')	5			(5-9.5') Brown SILT with roots, soft to slightly stiff; no odor, no NAPL, no stain, no sheen; outer core smeared with NAPL from above, inner core not impacted
SD - 14 9.5 - 11				10			(9.5-11') Brown to gray-brown SANDY SILT, loose, soupy; no odor, no NAPL, no stain, no sheen
SD - 14 11 - 17'		66.8		15	SP		(11-17') Gray f-m SAND, loose, more firm with some gravel starting at 14.5' bml; no odor, no NAPL, no stain, no sheen
SD - 14 17 - 20'		16.2		20	CH		(17-20') Brown to gray-brown SILTY CLAY, stiff; no odor, no NAPL, no stain, no sheen (20') END OF BORING

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Core ID: SD-15

Project: Pemart Avenue Works Former MGP & EGP	Contractor: Atlantic Testing Laboratories Inc.	Location: Peekskill, New York
Project #: 01869-126-240	Operator: Timothy Lago	Northing: 895677.65 Easting: 648129.06
Client: Consolidated Edison Co. of New York, Inc.	Method: Vibracore Inner: Flexible Liner	Mudline Elevation (ft): -7.16'
Start Date: 12/06/2007 End Date: 12/06/2007	Total Recovery (ft): 17.5' Total Depth (ft): 18.5' Total Compaction: 5%	Depth - Deck to Mudline (ft): 5.4' Logged by: S. Olson, J. Shackford

SAMPLE				Depth (ft)	USCS	Lithology	Lithologic Description
Sample ID	Recovery (ft)	PID (ppm)	Lab Sample ID				
SD - 15 0 - 2'	17.5'	2.3	SD-15 (0.5-2')	0	CH		(0-2') Black SILT, SAND, GRAVEL, and brown SILT with root matter; no odor, no NAPL, no stain, no sheen
SD - 15 2 - 4'		1.1					(2-4') Gray CLAY, fat; no odor, no NAPL, no stain, no sheen
SD - 15 4 - 18.5'			SD-15 (4-5')	5	CL		(4-8.5') Brown SILTY CLAY, stiff, laminated; no odor, no NAPL, no stain, no sheen
			SD-15 (6-7')				
				10			(8.5-11.5') SAA with occasional f (mm) Sand lenses and soft zones; no odor, no NAPL, no stain, no sheen
		0.2			CH		(11.5-18.5') Brown SILTY CLAY, stiff, laminated; no odor, no NAPL, no stain, no sheen
				15			(18.5') END OF BORING

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Core ID: SD-16

Project: Pemart Avenue Works Former MGP & EGP

Project #: 01869-126-240

Client: Consolidated Edison Co. of New York, Inc.

Start Date: 12/06/2007 End Date: 12/06/2007

Contractor: Atlantic Testing Laboratories Inc.

Operator: Timothy Lago

Method: Vibracore
Inner: Flexible Liner

Total Recovery (ft): 20'
Total Depth (ft): 20'
Total Compaction: 0%

Location: Peekskill, New York

Northing: 895573.84 Easting: 648110.72

Mudline Elevation (ft): -8.89'

Depth - Deck to Mudline (ft): 6.5'

Logged by: S. Olson, J. Shackford

SAMPLE				Depth (ft)	USCS	Lithology	Lithologic Description
Sample ID	Recovery (ft)	PID (ppm)	Lab Sample ID				
SD - 16 0 - 1.5'	20'	4.4	SD-16 (0.5-2')	0	OL		(0-1.5') Black SILT, SAND, WOOD, GRAVEL; mild tar odor, few NAPL sheen spots (0.5-2' bml), no stain
SD -16 1.5 - 2.5'							(1.5-2.5') Brown SILT with roots; no odor, no NAPL, no stain, no sheen
SD - 16 2.5 - 6'			SD-16 (4-5')	5	CH		(2.5-6') Gray CLAY, stiff; no odor, no NAPL, no stain, no sheen
SD - 16 6 - 20'		1.4					(6-9') Brown SILTY CLAY, stiff; no odor, no NAPL, no stain, no sheen
		6.7		10			(9-20') SAA with occasional f Sand lenses; no odor, no NAPL, no stain, no sheen
		12.8		15			
				20			(20') END OF BORING

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Core Log

Core ID: SD-17

Project: Pemart Avenue Works Former MGP & EGP	Contractor: Atlantic Testing Laboratories Inc.	Location: Peekskill, New York
Project #: 01869-126-240	Operator: Timothy Lago	Northing: 895619.49 Easting: 648082.52
Client: Consolidated Edison Co. of New York, Inc.	Method: Vibracore Inner: Flexible Liner	Mudline Elevation (ft): -8.25'
Start Date: 12/06/2007 End Date: 12/06/2007	Total Recovery (ft): 20' Total Depth (ft): 20' Total Compaction: 0%	Depth - Deck to Mudline (ft): 4.7' Logged by: S. Olson, J. Shackford

SAMPLE				Depth (ft)	USCS	Lithology	Lithologic Description
Sample ID	Recovery (ft)	PID (ppm)	Lab Sample ID				
SD - 17 0 - 1.5'	20'	0.5	SD-17 (0.5-2')	0	OL		(0-1.5') Black SILT and ORGANIC MATTER; no odor, no NAPL, no stain, no sheen
SD - 17 1.5 - 2.5'							(1.5-2.5') Brown SILT with root matter; no odor, no NAPL, no stain, no sheen
SD - 17 2.5 - 5'		0.4	SD-17 (4-5') ENV + PHYS		CH		(2.5-5') Gray CLAY, fat; no odor, no NAPL, no stain, no sheen
SD - 17 5 - 20'		2.2		5			(5-20') Brown SILTY CLAY, stiff; no odor, no NAPL, no stain, no sheen
		0.9	SD-17 (12-14') PHYS	10	CL/ CH		
				15	CH		
		0.6		20			(20') END OF BORING

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Core Log

Core ID: SD-18

Project: Pemart Avenue Works Former MGP & EGP	Contractor: Atlantic Testing Laboratories Inc.	Location: Peekskill, New York
Project #: 01869-126-240	Operator: Timothy Lago	Northing: 895543.31 Easting: 648019.43
Client: Consolidated Edison Co. of New York, Inc.	Method: Vibracore Inner: Flexible Liner	Mudline Elevation (ft): -10.15'
Start Date: 12/07/2007 End Date: 12/07/2007	Total Recovery (ft): 15' Total Depth (ft): 20' Total Compaction: 25%	Depth - Deck to Mudline (ft): 9.4' Logged by: J. Shackford, G. Kirkwood

SAMPLE				Depth (ft)	USCS	Lithology	Lithologic Description
Sample ID	Recovery (ft)	PID (ppm)	Lab Sample ID				
SD - 18 0 - 5'	15'	1.0	SD-18 (0.5-2') ENV + PHYS	0	OL		(0-5') Dark gray SILT; no odor, no NAPL, no stain, no sheen
SD - 18 5 - 6'		0.9	SD-18 (5-6')	5	CH		(5-6') Gray CLAY and SILT, stiff; no odor, no NAPL, no stain, no sheen
SD - 18 6 - 20'		0.5			CL/ CH		(6-20') Brown-gray SILTY CLAY with vf Sand lenses, moderately stiff; no odor, no NAPL, no stain, no sheen
		0.7		10	CH		
		0.6		15			
		0.7		20			(20') END OF BORING

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Core Log

Core ID: SD-19

Project: Pemart Avenue Works Former MGP & EGP

Project #: 01869-126-240

Client: Consolidated Edison Co. of New York, Inc.

Start Date: 12/07/2007 End Date: 12/07/2007

Contractor: Atlantic Testing Laboratories Inc.

Operator: Timothy Lago

Method: Vibracore
Inner: Flexible Liner

Total Recovery (ft): 18'
Total Depth (ft): 20'
Total Compaction: 10%

Location: Peekskill, New York

Northing: 895490.96 Easting: 648019.56

Mudline Elevation (ft): -10.27'

Depth - Deck to Mudline (ft): 9.4'

Logged by: J. Shackford, G. Kirkwood

SAMPLE				Depth (ft)	USCS	Lithology	Lithologic Description
Sample ID	Recovery (ft)	PID (ppm)	Lab Sample ID				
SD - 19 0 - 6'	18'	0.8		0	OL		(0-6') Dark gray SILT; no odor, no NAPL, no stain, no sheen
		1.2					
		1.9		5			
SD - 19 6 - 8'		1.1	SD-19 (6-8')		CH		(6-8') Gray SILT and CLAY, stiff; no odor, no NAPL, no stain, no sheen
SD - 19 8 - 20'				10	CL		(8-20') Brown-gray SILTY CLAY with vf Sand lenses throughout; no odor, no NAPL, no stain, no sheen
		1.9		15	CH		
		2.1		20			(20') END OF BORING

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Core Log

Core ID: SD-20

Project: Pemart Avenue Works Former MGP & EGP

Project #: 01869-126-240

Client: Consolidated Edison Co. of New York, Inc.

Start Date: 12/12/2007 End Date: 12/12/2007

Contractor: Atlantic Testing Laboratories Inc.

Operator: Timothy Lago

Method: Vibracore
Inner: Flexible Liner

Total Recovery (ft): 12'
Total Depth (ft): 20'
Total Compaction: 40%

Location: Peekskill, New York

Northing: 895541.29 Easting: 648162.08

Mudline Elevation (ft): -7.62'

Depth - Deck to Mudline (ft): 6.6'

Logged by: S. Olson, J. Shackford

SAMPLE				Depth (ft)	USCS	Lithology	Lithologic Description
Sample ID	Recovery (ft)	PID (ppm)	Lab Sample ID				
SD - 20 0 - 4')	12'	5.1		0	NA		(0-4') Drove split spoon through wood with black SILT coating; no odor, no NAPL, no stain, no sheen (4') Casing set at 4' bml
SD - 20 4 - 10'		50.1		5	OL		(4-8') Black SILT, SAND, and ORGANIC MATTER; mild odor, no NAPL, no stain, no sheen (8-10') DETRITUS with tar odor, coal fragments, clinker, some tar globules, sheen
SD - 20 10 - 11.5'		7.6		10	CH		(10-11.5') Greenish gray SILTY CLAY, stiff; no odor, no NAPL, no stain, no sheen
SD - 20 11.5 - 20'		11.9			CL/ CH		(11.5-13.5') Brown SILT to CLAY; no odor, no NAPL, no stain, no sheen (13.5-20') SAA with occasional m-c SAND lenses (0.25-1" thick) and occasional tan CLAY layers, fat; no odor, no NAPL, no stain, no sheen
				15	CH		(20') END OF BORING
				20			

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Core Log

Core ID: SD-21

Project: Pemart Avenue Works Former MGP & EGP

Project #: 01869-126-240

Client: Consolidated Edison Co. of New York, Inc.

Start Date: 12/10/2007 End Date: 12/10/2007

Contractor: Atlantic Testing Laboratories Inc.

Operator: Timothy Lago

Method: Vibracore
Inner: Flexible Liner

Total Recovery (ft): 20'
Total Depth (ft): 20'
Total Compaction: 0%

Location: Peekskill, New York

Northing: 895605.52 Easting: 648119.63

Mudline Elevation (ft): -6.78'

Depth - Deck to Mudline (ft): 5.6'

Logged by: S. Olson, J. Shackford

SAMPLE				Depth (ft)	USCS	Lithology	Lithologic Description
Sample ID	Recovery (ft)	PID (ppm)	Lab Sample ID				
SD - 21 0 - 2.5'	20'	54.9	SD-21 (0.5-2')	0	OL		(0-2.5') Black SILT and ORGANIC MATTER, Wood; strong tar odor, partially tar saturated (1-2.5' bml)
SD - 21 2.5 - 3.5'							(2.5-3.5') Brown SILT with root matter; no odor, no NAPL, no stain, no sheen
SD - 21 3.5 - 5'		1.5	SD-21 (4-5')		CL/ CH		(3.5-5') Gray SILT and CLAY, stiff; no odor, no NAPL, no stain, no sheen
SD - 21 5 - 9.5'				5			(5-9.5') Brown CLAY, stiff; no odor, no NAPL, no stain, no sheen
SD - 21 9.5 - 12'				10			(9.5-12') SAA with occasional thin (mm to 0.25") f Sand lenses; no odor, no NAPL, no stain, no sheen
SD - 21 12-20'				15	CH		(12-20') Brown CLAY with thin (1-4") zones of fat gray Clay; no odor, no NAPL, no stain, no sheen
				20			(20') END OF BORING

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Core Log

Core ID: SD-22

Project: Pemart Avenue Works Former MGP & EGP

Project #: 01869-126-240

Client: Consolidated Edison Co. of New York, Inc.

Start Date: 12/11/2007 End Date: 12/11/2007

Contractor: Atlantic Testing Laboratories Inc.

Operator: Timothy Lago

Method: Vibracore
Inner: Flexible Liner

Total Recovery (ft): 9.5'
Total Depth (ft): 20'
Total Compaction: 52%

Location: Peekskill, New York

Northing: 895362.31 Easting: 648225.39

Mudline Elevation (ft): -7.56'

Depth - Deck to Mudline (ft): 7'

Logged by: S. Olson, J. Shackford

SAMPLE				Depth (ft)	USCS	Lithology	Lithologic Description
Sample ID	Recovery (ft)	PID (ppm)	Lab Sample ID				
SD - 22 0 - 5'	9.5'	1.8		0	OL		(0-5') Gray-brown SILT and ORGANIC MATTER, tr gravel; mild tar odor, no NAPL, no stain, few sheen spots (0.5-2' bml)
		0.0					
SD - 22 5 - 10.5'			SD-22 (7-9') ENV + PHYS	5			(5-10.5') Gray-brown SILT with root matter, somewhat stiff; no odor, no NAPL, no stain, no sheen
				10			
SD - 22 10.5 - 11'					GM	⊠ ⊠	(10.5-11') Gray c SAND and GRAVEL; no odor, no NAPL, no stain, no sheen
SD - 22 11 - 20'		4.1	SD-22 (13-15') ENV + PHYS	15	PT		(11-20') Brown fibrous PEAT; mild organic odor, no NAPL, no stain, no sheen
				20			(20') END OF BORING

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Core Log

Core ID: SD-23

Project: Pemart Avenue Works Former MGP & EGP

Project #: 01869-126-240

Client: Consolidated Edison Co. of New York, Inc.

Start Date: 12/11/2007 End Date: 12/11/2007

Contractor: Atlantic Testing Laboratories Inc.

Operator: Timothy Lago

Method: HSA
Inner: 2" ID Split Spoon

Recovery: Moderate
Total Depth (ft): 34'

Location: Peekskill, New York

Northing: 895365.31 Easting: 648225.42

Mudline Elevation (ft): -7.56'

Depth - Deck to Mudline (ft): 6-7'

Logged by: S. Olson, J. Shackford

SAMPLE					Depth (ft)	USCS	Lithology	Lithologic Description
Sample ID	Recovery (ft)	Blow Counts	PID (ppm)	Lab Sample ID				
SD - 23 0 - 3'			3.7		0	OL		(0-3') Brown to black SAND and SILT, loose; mild tar odor, no NAPL, no stain, few sheen spots (1-3' bml)
SD - 23 3 - 5'	2'/2'	WOR	0.3	SD-23 (3-5') ENV + PHYS				(3-5') Dark gray-brown SILT and ORGANIC MATTER, soft; no odor, no NAPL, no stain, no sheen
SD - 23 5 - 7'	1'/2'	WOR	NM	SD-23 (5-7) BULK DENSITY	5			(5-7') Gray-brown SILT, soft to medium soft; no odor, no NAPL, no stain, no sheen
SD - 23 7 - 9'	1'/2'	Shelby	2.5					(7-11') Gray-brown SILT with root matter, somewhat firm; no odor, no NAPL, no stain, no sheen
SD - 23 9 - 11'	0.83'/2'	WOR	2.9		10			
SD - 23 11 - 13'	0.5'/2'	WOH, 3 2, 1 n = 5	3.2			PT		(11-13') Brown fibrous PEAT, dry; slight organic odor, no NAPL, no stain, no sheen
SD - 23 13 - 15'	1.5'/2'	2, 1 1, 1 n = 2	2.3			OL/ PT		(13-15') Gray SILT and PEAT; organic odor, no NAPL, no stain, no sheen
					15			(15-20') No Recovery - SPT (20') Casing set at 20' bml
SD - 23 20 - 22'	2'/2'	WOH	2.1		20			(20-22') Gray SILT to CLAYEY SILT with PEAT; organic odor, no NAPL, no stain, no sheen
								(22-25') No Recovery - SPT (25') Casing set at 25' bml
SD - 23 25 - 27'	2'/2'	WOH	2.9	SD-23 (25-27') PHYS	25	OL/OH PT		(25-27') Gray CLAYEY SILT to CLAY with PEAT, somewhat stiff; organic odor, no NAPL, no stain, no sheen
								(27-28') No Recovery
SD - 23 28 - 30'	0'/2'	Shelby	NM					(28-30') Shelby Tube
SD - 23 30 - 32'	2'/2'	WOH	1.2		30			(30-32') SAA with less PEAT, stiff; no odor, no NAPL, no stain, no sheen
SD - 23 32 - 34'	0'/2'	Shelby	NM					(32-34') Shelby Tube (34') END OF BORING

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Core Log

Core ID: SD-24

Project: Pemart Avenue Works Former MGP & EGP

Project #: 01869-126-240

Client: Consolidated Edison Co. of New York, Inc.

Start Date: 12/12/2007 End Date: 12/12/2007

Contractor: Atlantic Testing Laboratories Inc.

Operator: Timothy Lago

Method: HSA
Inner: 2" ID Split Spoon

Recovery: Moderate to good
Total Depth (ft): 24'

Location: Peekskill, New York

Northing: 895504.91 Easting: 648137.44

Mudline Elevation (ft): -8.53'

Depth - Deck to Mudline (ft): 8'

Logged by: S. Olson, J. Shackford

SAMPLE					Depth (ft)	USCS	Lithology	Lithologic Description
Sample ID	Recovery (ft)	Blow Counts	PID (ppm)	Lab Sample ID				
SD - 24 0 - 2'	0.33'/2'	WOR	3.7		0	OL		(0-4') Gray-black SILT and ORGANIC MATTER; no odor, no NAPL, no stain, no sheen
SD - 24 2 - 4'	0.33'/2'	WOR	3.5					
SD - 24 4 - 6'	1.67'/2'	WOR	1.2		5			(4-9') Gray-black SILT and ORGANIC MATTER, soft; mild tar odor, few thin (mm-cm) lenses of tar globules, small amount of tar globules and sheen (8-9' bml)
SD - 24 6 - 8'	1.67'/2'	WOR	1.8	SD-24 (6-8') PHYS				
SD - 24 8 - 10'	1.5'/2'	3, 3, 3, 3 n = 6	12.9	SD-24 (8-10') ENV + PHYS				
SD - 24 10 - 12'	2'/2'	3, 3, 2, 3 n = 5	22.3		10	SP		(9-12') Gray f-m SAND, some c SAND, tr f gravel, somewhat firm; no odor, no NAPL, no stain, no sheen
SD - 24 12 - 14'	1.5'/2'	6, 3, 3, 4 n = 6	2.3			SP/ SM		(12-16') SAA with little Silt; no odor, no NAPL, no stain, no sheen
SD - 24 14 - 16'	1.67'/2'	6, 3, 6, 4 n = 9	3.0		15			
SD - 24 16 - 18'	1.33'/2'	3, 3, 6, 6 n = 9	2.7 3.9			SP		(16-17') Gray m-c SAND, f GRAVEL, loose; no odor, no NAPL, no stain, no sheen
SD - 24 18 - 20'	1.67'/2'	3, 4 5, 4 n = 9	2.2			CL/ CH		(17-20') Green-gray CLAY, stiff; no odor, no NAPL, no stain, no sheen
SD - 24 20 - 22'	2'/2'	3, 3, 3, 5 n = 6	2.1		20			(20-22') Brown SILTY CLAY to CLAY with occasional thin Sand and tan Clay lenses; no odor, no NAPL, no stain, no sheen
SD - 24 22 - 24'	1.83'/2'	Shelby	NM	SD-24 (22-24') BULK DENSITY		CH		(22-24') Shelby Tube (24') END OF BORING

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Core Log

Core ID: SD-25

Project: Pemart Avenue Works Former MGP & EGP

Project #: 01869-126-240

Client: Consolidated Edison Co. of New York, Inc.

Start Date: 12/12/2007 End Date: 12/12/2007

Contractor: Atlantic Testing Laboratories Inc.

Operator: Timothy Lago

Method: Vibracore
Inner: Flexible Liner

Total Recovery (ft): 8'
Total Depth (ft): 17'
Total Compaction: 5%

Location: Peekskill, New York

Northing: 895595.74 Easting: 648034.39

Mudline Elevation (ft): -8.26'

Depth - Deck to Mudline (ft): 6.5'

Logged by: S. Olson, J. Shackford

SAMPLE				Depth (ft)	USCS	Lithology	Lithologic Description
Sample ID	Recovery (ft)	PID (ppm)	Lab Sample ID				
SD - 25 0 - 4'	18.5'	0.8	SD-25 (3-4)	0	OL		(0-4') Black SILT and ORGANIC MATTER; no odor, no NAPL, no stain, no sheen
SD - 25 4 - 19.4'		0.2	SD-25 (4-5)	5	CL/ CH		(4-10.5') Brown SILTY CLAY, stiff; no odor, no NAPL, no stain, no sheen
				10	CL		(10.5-13') Brown SILTY CLAY, softer than above and below; no odor, no NAPL, no stain, no sheen
				15	CL/ CH		(13-19.4') Brown SILTY CLAY, occasional mud cake layers, firm to stiff; no odor, no NAPL, no stain, no sheen
					CH		(19.4') END OF BORING

Appendix B

Laboratory Analytical Data Summary Tables

Also provided on CD

Table B-1
Summary of Volatile Organic Compound Analytical Results in Sediment
Pemart Avenue Works Former MGP and EGP - Remedial Investigation
Consolidated Edison, Peekskill, New York
November - December 2007

	Location ID	SD01	SD01	SD02	SD02	SD02	SD03	SD03	SD03	SD03	SD04	SD04	SD04	SD05	SD05	SD06	SD07	SD09	SD09	SD10
	Sample ID	SD1 (8-8.5)	SD1 (12-12.5)	SD2 (10-11)	SD2 (16.5-17)	SD2 (18-19)	SD3 (1-3)	SD3 (9-10)	SD3 (14-16)	SD3 (16-16.5)	SD4 (0-2)	SD4 (6-7)	SD4 (14-15)	SD5 (0-2)	SD5 (16-17)	SD6 (16-17)	SD7 (19-21)	SD9 (2-4)	SD9 (5-7)	SD10 (2-3)
	Sample Date	11/29/2007	11/29/2007	11/29/2007	11/29/2007	11/29/2007	11/29/2007	11/29/2007	11/29/2007	11/29/2007	11/29/2007	11/29/2007	11/29/2007	11/30/2007	11/30/2007	11/30/2007	12/3/2007	12/5/2007	12/5/2007	12/5/2007
	Depth Interval (ft)	8- 8.5	12- 12.5	10- 11	16.5- 17	18- 19	1- 3	9- 10	14- 16	16- 16.5	0.5- 2	6- 7	14- 15	0.5- 2	16- 17	16- 17	19- 21	2- 4	5- 7	2- 3
	Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
	Lithology	Upper Silt	Silt/Clay	Peat	Silt/Clay	Silt/Clay	Upper Silt	Upper Silt	Silt	Peat	Upper Silt	Silt/Clay	Peat	Upper Silt	Silt	Silt	Peat	Upper Silt	Silt	Upper Silt
CHEMICAL NAME	Unit																			
CHEMISTRY																				
PH	pH units																			
TOTAL ORGANIC CARBON	mg/kg	**83200 J**					**55500 J**	**39300 J**			**62000 J**	**16000 J**		**40200 J**			**24800 J**	**45500 J**		**77800 J**
TOTAL SOLIDS	%	**45.5**	**71.9**	**31.8**	**75.4**	**77.2**	**28.2**	**63.3**	**56.9**	**25.4**	**53.7**	**61.1**	**77.9**	**42.2**	**64.5**	**57.7**	**56.9**	**85.3**	**58.6**	**78.3**
VOC-BTEX																				
BENZENE	ug/kg		**0.61 J**	50 UJ	4.3 U	5.0 U			**1100**	**6700 J**	**2.2 J**	14 U	6.3 U	**2.1 J**	**3.6 J**	11 U	8.8 U	730 U	**1.3 J**	**310 J**
ETHYLBENZENE	ug/kg		7.9 U	**3.5 J**	4.3 U	5.0 U			**6900**	**35000 J**	**2.8 J**	14 U	**0.40 J**	**2.6 J**	**2.6 J**	11 U	**2.5 J**	**1000**	**2.7 J**	**450 J**
TOLUENE	ug/kg		7.9 U	50 UJ	4.3 U	5.0 U			**83**	**590 J**	11 U	14 U	6.3 U	33 UJ	36 U	11 U	8.8 U	730 U	8.5 U	**59 J**
XYLENE, M&P-	ug/kg		7.9 U	**8.2 J**	4.3 U	5.0 U			**4900**	**27000 J**	11 U	14 U	6.3 U	**4.5 J**	36 U	11 U	**1.4 J**	**83 J**	**1.7 J**	**140 J**
XYLENE, O-	ug/kg		7.9 U	50 UJ	4.3 U	5.0 U			**2600**	**13000 J**	**6.3 J**	14 U	6.3 U	33 UJ	36 U	11 U	**1.4 J**	**180 J**	**1.5 J**	**220 J**
TOTAL BTEX	ug/kg		**0.61**	**11.7**					**15583**	**82290**	**11.3**		**0.4**	**9.2**	**6.2**		**5.3**	**1263**	**7.2**	**1179**
VOC																				
1,1,1-TRICHLOROETHANE	ug/kg		7.9 U	50 UJ	4.3 U	5.0 U			6.2 U	21 UJ	11 U	14 U	6.3 U	33 UJ	36 U	11 U	8.8 U	730 U	8.5 U	800 U
1,1,2,2-TETRACHLOROETHANE	ug/kg		7.9 U	50 UJ	4.3 UJ	5.0 U			6.2 U	1900 UJ	11 UJ	14 U	6.3 U	33 UJ	36 U	11 U	8.8 U	730 U	8.5 U	800 U
1,1,2-TRICHLOROETHANE	ug/kg		7.9 U	50 UJ	4.3 U	5.0 U			6.2 U	21 UJ	11 U	14 U	6.3 U	33 UJ	36 U	11 U	8.8 U	730 U	8.5 U	800 U
1,1-DICHLOROETHANE	ug/kg		7.9 U	50 UJ	4.3 U	5.0 U			6.2 U	21 UJ	11 U	14 U	6.3 U	33 UJ	36 U	11 U	8.8 U	730 U	8.5 U	800 U
1,1-DICHLOROETHENE	ug/kg		7.9 U	50 UJ	4.3 U	5.0 U			6.2 U	21 UJ	11 U	14 U	6.3 U	33 UJ	36 U	11 U	8.8 U	730 U	8.5 U	800 U
1,2,4-TRICHLOROBENZENE	ug/kg		7.9 U	50 UJ	4.3 UJ	5.0 U			6.2 U	1900 UJ	11 UJ	14 U	6.3 U	33 UJ	36 U	11 U	8.8 U	730 U	8.5 U	800 U
1,2-DIBROMO-3-CHLOROPROPANE	ug/kg		7.9 U	50 UJ	4.3 UJ	5.0 U			6.2 U	1900 UJ	11 UJ	14 U	6.3 U	33 UJ	36 U	11 U	8.8 U	730 U	8.5 U	800 U
1,2-DIBROMOETHANE	ug/kg		7.9 U	50 UJ	4.3 U	5.0 U			6.2 U	21 UJ	11 U	14 U	6.3 U	33 UJ	36 U	11 U	8.8 U	730 U	8.5 U	800 U
1,2-DICHLOROBENZENE	ug/kg		7.9 U	50 UJ	4.3 UJ	5.0 U			6.2 U	1900 UJ	11 UJ	14 U	6.3 U	33 UJ	36 U	11 U	8.8 U	730 U	8.5 U	800 U
1,2-DICHLOROETHANE	ug/kg		7.9 U	50 UJ	4.3 U	5.0 U			6.2 U	**120 J**	11 U	14 U	6.3 U	33 UJ	36 U	11 U	8.8 U	730 U	8.5 U	800 U
1,2-DICHLOROPROPANE	ug/kg		7.9 U	50 UJ	4.3 U	5.0 U			6.2 U	21 UJ	11 U	14 U	6.3 U	33 UJ	36 U	11 U	8.8 U	730 U	8.5 U	800 U
1,3-DICHLOROBENZENE	ug/kg		7.9 U	50 UJ	4.3 UJ	5.0 U			6.2 U	1900 UJ	11 UJ	14 U	6.3 U	33 UJ	36 U	11 U	8.8 U	730 U	8.5 U	800 U
1,4-DICHLOROBENZENE	ug/kg		7.9 U	50 UJ	4.3 UJ	5.0 U			6.2 U	1900 UJ	11 UJ	14 U	6.3 U	33 UJ	36 U	11 U	8.8 U	730 U	8.5 U	800 U
2-BUTANONE	ug/kg		16 U	100 UJ	**8.8 J**	**3.6 J**			**21**	**110 J**	**61**	**44**	**21**	**59 J**	**51 J**	**23**	**17 J**	1500 UJ	**19**	1600 UJ
2-HEXANONE	ug/kg		16 U	100 UJ	8.6 U	10 U			12 U	42 UJ	21 U	28 U	13 U	65 UJ	72 U	22 U	18 U	1500 U	17 U	1600 U
4-METHYL-2-PENTANONE (MIBK)	ug/kg		16 U	100 UJ	8.6 U	10 U			12 U	42 UJ	21 U	28 U	13 U	65 UJ	72 U	22 U	18 U	1500 U	17 U	1600 U
ACETONE	ug/kg		**11 J**	**500 J**	**44**	**19 J**			**110**	**510 J**	**280**	**230**	**120**	**360 J**	**290**	**120**	**93**	2900 UJ	**110**	**450 J**
BROMODICHLOROMETHANE	ug/kg		7.9 U	50 UJ	4.3 U	5.0 U			6.2 U	21 UJ	11 U	14 U	6.3 U	33 UJ	36 U	11 U	8.8 U	730 U	8.5 U	800 U
BROMOFORM	ug/kg		**0.75 J**	**4.7 J**	4.3 U	5.0 U			6.2 U	21 UJ	11 U	14 U	6.3 U	33 UJ	36 U	11 U	8.8 U	730 U	8.5 U	800 U
BROMOMETHANE	ug/kg		7.9 U	50 UJ	4.3 U	5.0 U			6.2 U	21 UJ	11 U	14 U	6.3 U	33 UJ	36 U	11 U	8.8 U	730 U	8.5 U	800 U
CARBON DISULFIDE	ug/kg		16 U	**130 J**	**5.2 J**	**1.8 J**			**4.6 J**	**110 J**	**45**	**16 J**	**9.2 J**	**16 J**	**45 J**	**4.5 J**	**23**	1500 U	**12 J**	1600 U
CARBON TETRACHLORIDE	ug/kg		7.9 U	50 UJ	4.3 U	5.0 U			6.2 U	21 UJ	11 U	14 U	6.3 U	33 UJ	36 U	11 U	8.8 U	730 U	8.5 U	800 U
CHLORINATED FLUOROCARBON (FREON 113)	ug/kg		7.9 U	50 UJ	4.3 U	5.0 U			6.2 U	21 UJ	11 UJ	14 UJ	6.3 UJ	33 UJ	36 U	11 UJ	8.8 UJ	730 U	8.5 UJ	800 U
CHLOROBENZENE	ug/kg		7.9 U	50 UJ	4.3 U	5.0 U			6.2 U	21 UJ	11 U	14 U	6.3 U	33 UJ	36 U	11 U	8.8 U	730 U	8.5 U	800 U
CHLORODIBROMOMETHANE	ug/kg		7.9 U	50 UJ	4.3 U	5.0 U			6.2 U	21 UJ	11 U	14 U	6.3 U	33 UJ	36 U	11 U	8.8 U	730 U	8.5 U	800 U
CHLOROETHANE	ug/kg		16 U	100 UJ	8.6 U	10 U			12 U	42 UJ	21 U	28 U	13 U	65 UJ	72 U	22 U	18 U	**88 J**	17 U	1600 U
CHLOROFORM	ug/kg		7.9 U	50 UJ	4.3 U	5.0 U			6.2 U	21 UJ	11 U	14 U	6.3 U	33 UJ	36 U	11 U	8.8 U	730 U	8.5 U	800 U
CHLOROMETHANE (METHYL CHLORIDE)	ug/kg		7.9 U	50 UJ	4.3 U	5.0 U			6.2 U	21 UJ	11 U	14 U	**0.45 J**	33 UJ	36 U	**0.78 J**	8.8 U	730 U	8.5 U	800 U
CIS-1,2-DICHLOROETHENE	ug/kg		**1.7 J**	50 UJ	4.3 U	5.0 U			6.2 U	21 UJ	11 U	14 U	6.3 U	33 UJ	**3.6 J**	11 U	**0.83 J**	730 U	8.5 U	800 U
CIS-1,3-DICHLOROPROPENE	ug/kg		7.9 U	50 UJ	4.3 U	5.0 U			6.2 U	21 UJ	11 U	14 U	6.3 U	33 UJ	36 U	11 U	8.8 U	730 U	8.5 U	800 U
CYCLOHEXANE	ug/kg		7.9 U	50 UJ	4.3 U	5.0 U			**0.93 J**	21 UJ	**3.0 J**	14 U	6.3 U	**2.2 J**	36 U	11 U	8.8 U	730 U	8.5 U	800 U
DICHLORODIFLUOROMETHANE	ug/kg		7.9 UJ	50 UJ	4.3 UJ	5.0 UJ			6.2 UJ	21 UJ	11 UJ	14 UJ	6.3 UJ	33 UJ	36 UJ	11 UJ	8.8 UJ	730 U	8.5 UJ	800 U
DICHLOROMETHANE	ug/kg		7.9 U	50 UJ	4.3 U	5.0 U			6.2 U	21 UJ	**0.93 J**	**1.0 J**	6.3 U	33 UJ	36 U	**0.94 J**	8.8 U	730 U	8.5 U	800 U
ISOPROPYLBENZENE	ug/kg		7.9 U	50 UJ	4.3 U	5.0 U			**560**	**390 J**	**37**	14 U	6.3 U	33 UJ	36 U	**0.71 J**	**0.60 J**	**620 J**	8.5 U	**1400**
METHYL ACETATE	ug/kg		16 U	100 UJ	**0.90 J**	10 U			12 U	42 UJ	21 U	28 U	13 U	**8.5 J**	72 U	**2.6 J**	18 U	1500 U	17 U	1600 U
METHYL TERT-BUTYL ETHER	ug/kg		7.9 U	50 UJ	4.3 U	5.0 U			6.2 U	21 UJ	11 U	14 U	6.3 U	33 UJ	36 U	11 U	8.8 UJ	730 U	8.5 UJ	800 U
METHYLCYLOHEXANE	ug/kg		**0.61 J**	50 UJ	4.3 U	5.0 U			**5.3 J**	21 UJ	**8.6 J**	14 U	6.3 U	**3.1 J**	36 U	11 U	8.8 U	730 U	8.5 U	800 U
STYRENE	ug/kg		7.9 U	50 UJ	4.3 U	5.0 U			6.2 U	21 UJ	11 U	14 U	6.3 U	33 UJ	36 U	11 U	8.8 U	730 U	8.5 U	800 U
TETRACHLOROETHENE	ug/kg		7.9 U	50 UJ	4.3 U	5.0 U			6.2 U	21 UJ	11 U	14 U	6.3 U	33 UJ	36 U	11 U	8.8 U	730 U	8.5 U	800 U
TRANS-1,2-DICHLOROETHENE	ug/kg		7.9 U	50 UJ	4.3 U	5.0 U			6.2 U	21 UJ	11 U	14 U	6.3 U	33 UJ	36 U	11 U	8.8 U	730 U	8.5 U	800 U
TRANS-1,3-DICHLOROPROPENE	ug/kg		7.9 U	50 UJ	4.3 U	5.0 U			6.2 U	21 UJ	11 U	14 U	6.3 U	33 UJ	36 U	11 U	8.8 U	730 U	8.5 U	800 U
TRICHLOROETHENE	ug/kg		**4.5 J**	**4.1 J**	4.3 U	5.0 U			**0.58 J**	21 UJ	**0.88 J**	14 U	6.3 U	**3.1 J**	**26 J**	11 U	8.8 U	730 U	8.5 U	800 U
TRICHLOROFLUOROMETHANE	ug/kg		7.9 U	50 UJ	4.3 U	5.0 U			6.2 U	21 UJ	11 U	14 U	6.3 U	33 UJ	36 U	11 U	8.8 U	730 U	8.5 U	800 U
VINYL CHLORIDE	ug/kg		7.9 U	50 UJ	4.3 U	5.0 U			6.2 U	21 UJ	11 U	14 U	6.3 U	33 UJ	36 U	11 U	8.8 U	730 U	8.5 U	800 U
TOTAL VOCs (Including BTEX)	ug/kg		**19.17**	**650.5**	**58.9**	**24.4**			**16285.41**	**83530**	**447.71**	**291**	**151.05**	**461.1**	**421.8**	**152.53**	**139.73**	**1971**	**148.2**	**3029**

Notes:
J = Estimated Value
R = Rejected Value
U = Not Detected

Table B-1
Summary of Volatile Organic Compound Analytical Results in Sedimen
Pemart Avenue Works Former MGP and EGP - Remedial Investigation
Consolidated Edison, Peekskill, New York
November - December 2007

	Location ID	SD11	SD11	SD11	SD11	SD12	SD12	SD12	SD13	SD13	SD13	SD14	SD14	SD15	SD15	SD15	SD16	SD16	SD17	SD17	SD17
	Sample ID	SD100	SD11 (6-8)	SD11 (16-17)	SD11 (19-20)	SD101	SD12 (2-4)	SD12 (4-6)	SD13 (5-7)	SD13 (11-13)	SD13 (15-17)	SD14 (0-4)	SD14 (6-8)	SD15 (0-2)	SD15 (4-5)	SD15 (6-7)	SD16 (0-2)	SD16 (4-5)	SD102	SD17 (0-2)	SD17 (4-5)
	Sample Date	12/5/2007	12/5/2007	12/5/2007	12/5/2007	12/5/2007	12/5/2007	12/5/2007	12/6/2007	12/6/2007	12/6/2007	12/6/2007	12/6/2007	12/6/2007	12/6/2007	12/6/2007	12/6/2007	12/6/2007	12/6/2007	12/6/2007	12/6/2007
	Depth Interval (ft)	6- 8	6- 8	16- 17	19- 20	2- 4	2- 4	4- 6	5- 7	11- 13	15- 17	0.5- 4	6- 8	0.5- 2	4- 5	6- 7	0.5- 2	4- 5	0.5- 2	0.5- 2	4- 5
	Sample Type	FD	N	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	FD	N	N
	Lithology	Upper Silt	Upper Silt	Sand Lens	Silt/Clay	Upper Silt	Upper Silt	Silt/Clay	Upper Silt	Sand Lens	Peat	Upper Silt	Silt	Upper Silt	Silt/Clay	Silt/Clay	Upper Silt	Silt/Clay	Upper Silt	Upper Silt	Silt/Clay
CHEMICAL NAME	Unit																				
CHEMISTRY																					
PH	pH units																				**8.39**
TOTAL ORGANIC CARBON	mg/kg	**87700**	**85800**			**1640 J**	**112000 J**		**15400 J**			**34600 J**		**13300 J**			**148000 J**		**79200 J**	**66400**	
TOTAL SOLIDS	%	**52.2**	**53.2**	**81.0**	**81.8**	**74.1**	**47.4**	**73.5**	**59.2**	**88.6**	**29.5**	**74.5**	**59.6**	**59.6**	**79.7**	**75.8**	**48.2**	**72.0**	**49.1**	**50.9**	**72.7**
VOC-BTEX																					
BENZENE	ug/kg	**420**	**450**	**46**	**28 J**	6.7 U	**1.2 J**	6.8 U	8.4 U	5.6 U	17 UJ	3400 U	**57**	**3.4 J**	6.3 U	6.6 U	**4.6 J**	**0.46 J**	**1.2 J**	49 U	**5.0 J**
ETHYLBENZENE	ug/kg	**790 J**	**280 J**	**16**	**210**	6.7 U	**1.3 J**	6.8 U	8.4 U	5.6 U	**1.3 J**	3400 U	**130**	**4.0 J**	6.3 U	6.6 U	**4.6 J**	6.9 U	**1.9 J**	49 U	14 U
TOLUENE	ug/kg	**18**	47 U	6.2 U	**120**	6.7 U	11 UJ	6.8 U	8.4 U	5.6 U	17 UJ	3400 U	**81 J**	42 U	6.3 U	6.6 U	**14 J**	6.9 U	10 UJ	**4.7 J**	**2.5 J**
XYLENE, M&P-	ug/kg	**110**	**120**	**1.5 J**	**150**	6.7 U	**6.5 J**	6.8 U	8.4 U	5.6 U	17 UJ	3400 U	**6.9 J**	42 U	6.3 U	6.6 U	**13 J**	6.9 U	**9.6 J**	**19 J**	14 U
XYLENE, O-	ug/kg	**460**	**340**	**1.4 J**	**77**	6.7 U	**3.8 J**	6.8 U	8.4 U	5.6 U	17 UJ	3400 U	**8.7 J**	**3.0 J**	6.3 U	6.6 U	**7.1 J**	6.9 U	**4.1 J**	49 U	14 U
TOTAL BTEX	ug/kg	**1798**	**1190**	**64.9**	**585**		**12.8**				**1.3**		**283.6**	**10.4**			**43.3**	**0.46**	**16.8**	**23.7**	**7.5**
VOC																					
1,1,1-TRICHLOROETHANE	ug/kg	9.6 U	47 U	6.2 U	31 U	6.7 U	11 UJ	6.8 U	8.4 U	5.6 U	17 UJ	3400 U	42 U	42 U	6.3 U	6.6 U	52 UJ	6.9 U	10 UJ	49 U	14 U
1,1,2,2-TETRACHLOROETHANE	ug/kg	9.6 UJ	47 U	6.2 U	31 U	6.7 U	11 UJ	6.8 U	8.4 U	5.6 U	17 UJ	3400 U	42 U	42 U	6.3 U	6.6 U	52 UJ	6.9 U	10 UJ	49 U	14 U
1,1,2-TRICHLOROETHANE	ug/kg	9.6 U	47 U	6.2 U	31 U	6.7 U	11 UJ	6.8 U	8.4 U	5.6 U	17 UJ	3400 U	42 U	42 U	**2.5 J**	**2.1 J**	52 UJ	6.9 U	10 UJ	49 U	14 U
1,1-DICHLOROETHANE	ug/kg	9.6 U	47 U	6.2 U	31 U	6.7 U	11 UJ	6.8 U	8.4 U	5.6 U	17 UJ	3400 U	42 U	42 U	**0.53 J**	6.6 U	52 UJ	6.9 U	10 UJ	49 U	14 U
1,1-DICHLOROETHENE	ug/kg	9.6 U	47 U	6.2 U	31 U	6.7 U	11 UJ	6.8 U	8.4 U	5.6 U	17 UJ	3400 U	**20 J**	**14 J**	**4.1 J**	**3.0 J**	52 UJ	6.9 U	10 UJ	49 U	**9.1 J**
1,2,4-TRICHLOROBENZENE	ug/kg	9.6 UJ	47 U	6.2 U	31 U	6.7 U	11 UJ	6.8 U	8.4 UJ	5.6 U	17 UJ	3400 U	42 U	42 U	6.3 U	6.6 U	52 UJ	6.9 U	10 UJ	49 U	14 U
1,2-DIBROMO-3-CHLOROPROPANE	ug/kg	9.6 UJ	47 U	6.2 U	31 U	6.7 U	11 UJ	6.8 U	8.4 U	5.6 U	17 UJ	3400 U	42 U	42 U	6.3 U	6.6 U	52 UJ	6.9 U	10 UJ	49 U	14 U
1,2-DIBROMOETHANE	ug/kg	9.6 U	47 U	6.2 U	31 U	6.7 U	11 UJ	6.8 U	8.4 UJ	5.6 U	17 UJ	3400 U	42 U	42 U	6.3 U	6.6 U	52 UJ	6.9 U	10 UJ	49 U	14 U
1,2-DICHLOROBENZENE	ug/kg	9.6 UJ	47 U	6.2 U	31 U	6.7 U	11 UJ	6.8 U	8.4 UJ	5.6 U	17 UJ	3400 U	42 U	42 U	6.3 U	6.6 U	52 UJ	6.9 U	10 UJ	49 U	14 U
1,2-DICHLOROETHANE	ug/kg	9.6 U	**11 J**	**1.0 J**	31 UJ	6.7 U	11 UJ	6.8 U	8.4 UJ	5.6 U	17 UJ	3400 U	42 UJ	42 UJ	6.3 U	6.6 UJ	52 UJ	6.9 U	10 UJ	49 U	14 U
1,2-DICHLOROPROPANE	ug/kg	9.6 U	47 U	6.2 U	31 U	6.7 U	11 UJ	6.8 U	8.4 U	5.6 U	17 UJ	3400 U	42 U	42 U	6.3 U	6.6 U	52 UJ	6.9 U	10 UJ	49 U	14 U
1,3-DICHLOROBENZENE	ug/kg	9.6 UJ	47 U	6.2 U	31 U	6.7 U	11 UJ	6.8 U	8.4 UJ	5.6 U	17 UJ	3400 U	42 U	42 U	6.3 U	6.6 U	52 UJ	6.9 U	10 UJ	49 U	14 U
1,4-DICHLOROBENZENE	ug/kg	9.6 UJ	47 U	6.2 U	31 U	6.7 U	11 UJ	6.8 U	8.4 UJ	5.6 U	17 UJ	3400 U	42 U	42 U	6.3 U	6.6 U	52 UJ	6.9 U	10 UJ	49 U	14 U
2-BUTANONE	ug/kg	**110 J**	**230 J**	**2.5 J**	61 U	13 U	**38 J**	**2.2 J**	**5.1 J**	**3.2 J**	**54 J**	6700 UJ	84 U	84 U	13 U	13 U	**120 J**	14 U	**20 J**	**39 J**	28 U
2-HEXANONE	ug/kg	19 U	94 U	12 U	61 U	13 U	21 UJ	14 U	17 UJ	11 U	34 UJ	6700 U	84 U	84 U	13 U	13 U	100 UJ	14 U	20 UJ	98 U	28 U
4-METHYL-2-PENTANONE (MIBK)	ug/kg	19 U	94 U	12 U	61 U	13 U	21 UJ	14 U	17 U	11 U	34 UJ	6700 U	84 U	84 U	13 U	13 U	100 UJ	14 U	20 UJ	98 U	28 U
ACETONE	ug/kg	**340 J**	**900 J**	**19 J**	**62 J**	**7.8 J**	**150 J**	**10 J**	**22 J**	**12 J**	**310 J**	13000 UJ	**180**	**92 J**	**9.8 J**	**9.9 J**	**500 J**	**6.7 J**	**88 J**	**170 J**	**18 J**
BROMODICHLOROMETHANE	ug/kg	9.6 U	47 U	6.2 U	31 U	6.7 U	11 UJ	6.8 U	8.4 U	5.6 U	17 UJ	3400 U	42 U	42 U	6.3 U	6.6 U	52 UJ	6.9 U	10 UJ	49 U	14 U
BROMOFORM	ug/kg	9.6 U	47 U	6.2 U	31 U	6.7 U	11 UJ	6.8 U	8.4 UJ	5.6 U	17 UJ	3400 U	42 U	42 U	6.3 U	6.6 U	52 UJ	6.9 U	10 UJ	49 U	14 U
BROMOMETHANE	ug/kg	9.6 U	47 U	6.2 U	31 U	6.7 U	11 UJ	6.8 U	8.4 U	5.6 U	17 UJ	3400 U	42 U	42 U	6.3 U	6.6 U	52 UJ	6.9 U	10 UJ	49 U	14 U
CARBON DISULFIDE	ug/kg	**5.0 J**	**34 J**	**4.4 J**	61 U	13 U	**4.6 J**	**0.45 J**	**11 J**	**6.2 J**	**47 J**	6700 U	**94**	**57 J**	**0.98 J**	**0.65 J**	**18 J**	**0.58 J**	**3.7 J**	**9.2 J**	**2.1 J**
CARBON TETRACHLORIDE	ug/kg	9.6 U	47 U	6.2 U	31 U	6.7 U	11 UJ	6.8 U	8.4 UJ	5.6 U	17 UJ	3400 U	42 U	42 U	6.3 U	6.6 U	52 UJ	6.9 U	10 UJ	49 U	14 U
CHLORINATED FLUOROCARBON (FREON 113)	ug/kg	9.6 UJ	47 UJ	6.2 UJ	31 UJ	6.7 UJ	11 UJ	6.8 UJ	8.4 UJ	5.6 UJ	17 UJ	3400 U	42 UJ	42 UJ	6.3 UJ	6.6 UJ	52 UJ	6.9 UJ	10 UJ	49 UJ	14 UJ
CHLOROBENZENE	ug/kg	9.6 U	47 U	6.2 U	31 U	6.7 U	11 UJ	6.8 U	8.4 U	5.6 U	17 UJ	3400 U	42 U	42 U	6.3 U	6.6 U	52 UJ	6.9 U	10 UJ	49 U	14 U
CHLORODIBROMOMETHANE	ug/kg	9.6 U	47 U	6.2 U	31 U	6.7 U	11 UJ	6.8 U	8.4 UJ	5.6 U	17 UJ	3400 U	42 U	42 U	6.3 U	6.6 U	52 UJ	6.9 U	10 UJ	49 U	14 U
CHLOROETHANE	ug/kg	19 U	94 U	12 U	61 U	13 U	21 UJ	14 U	17 U	11 U	34 UJ	6700 U	84 U	84 U	13 U	13 U	100 UJ	14 U	20 UJ	98 U	28 U
CHLOROFORM	ug/kg	9.6 U	47 U	6.2 U	31 U	6.7 U	11 UJ	6.8 U	8.4 U	5.6 U	17 UJ	3400 U	42 U	42 U	6.3 U	6.6 U	52 UJ	6.9 U	10 UJ	49 U	14 U
CHLOROMETHANE (METHYL CHLORIDE)	ug/kg	9.6 U	47 U	6.2 U	31 U	6.7 U	11 UJ	6.8 U	8.4 U	5.6 U	17 UJ	3400 U	42 U	42 U	6.3 U	6.6 U	52 UJ	6.9 U	10 UJ	49 U	14 U
CIS-1,2-DICHLOROETHENE	ug/kg	9.6 U	47 U	6.2 U	31 U	**7.8 J**	**2.5 J**	6.8 U	8.4 U	**0.45 J**	**3.4 J**	**1200 J**	**2500 J**	**5500 J**	**120 J**	**180**	52 UJ	**17**	**12 J**	49 U	**210**
CIS-1,3-DICHLOROPROPENE	ug/kg	9.6 U	47 U	6.2 U	31 U	6.7 U	11 UJ	6.8 U	8.4 UJ	5.6 U	17 UJ	3400 U	42 U	42 U	6.3 U	6.6 U	52 UJ	6.9 U	10 UJ	49 U	14 U
CYCLOHEXANE	ug/kg	**2.5 J**	**4.7 J**	6.2 U	31 U	6.7 U	**2.0 J**	6.8 U	8.4 U	5.6 U	17 UJ	3400 U	42 U	42 U	6.3 U	6.6 U	52 UJ	6.9 U	**1.00 J**	49 U	14 U
DICHLORODIFLUOROMETHANE	ug/kg	9.6 UJ	47 UJ	6.2 UJ	31 UJ	6.7 UJ	11 UJ	6.8 UJ	8.4 UJ	5.6 UJ	17 UJ	3400 U	42 UJ	42 UJ	6.3 UJ	6.6 UJ	52 UJ	6.9 UJ	10 UJ	49 UJ	14 UJ
DICHLOROMETHANE	ug/kg	9.6 U	47 U	6.2 U	**3.4 J**	**0.61 J**	**1.4 J**	6.8 U	**0.90 J**	5.6 U	**1.8 J**	3400 U	**4.0 J**	**4.0 J**	6.3 U	**0.62 J**	**5.0 J**	**0.71 J**	**1.1 J**	**4.3 J**	**1.5 J**
ISOPROPYLBENZENE	ug/kg	**1900**	**1400**	**8.3**	**12 J**	6.7 U	**8.2 J**	6.8 U	8.4 U	5.6 U	17 UJ	3400 U	**27 J**	**3.4 J**	6.3 U	6.6 U	**95 J**	6.9 U	**100 J**	**200 J**	14 U
METHYL ACETATE	ug/kg	19 U	94 U	12 U	61 U	13 U	21 UJ	14 U	17 U	11 U	34 UJ	6700 U	84 U	84 U	13 U	13 U	100 UJ	14 U	20 UJ	98 U	28 U
METHYL TERT-BUTYL ETHER	ug/kg	9.6 U	47 U	6.2 UJ	31 U	6.7 U	11 UJ	6.8 UJ	8.4 U	5.6 UJ	17 UJ	3400 U	42 U	42 U	**0.56 J**	6.6 U	52 UJ	6.9 U	10 UJ	49 U	14 U
METHYLCYLOHEXANE	ug/kg	**11**	**21 J**	6.2 U	31 U	6.7 U	**3.2 J**	6.8 U	8.4 U	5.6 U	17 UJ	3400 U	42 U	42 U	6.3 U	6.6 U	**11 J**	6.9 U	**3.3 J**	**11 J**	14 U
STYRENE	ug/kg	9.6 U	47 U	6.2 U	31 U	6.7 U	11 UJ	6.8 U	8.4 UJ	5.6 U	17 UJ	3400 U	42 U	42 U	6.3 U	6.6 U	52 UJ	6.9 U	10 UJ	49 U	14 U
TETRACHLOROETHENE	ug/kg	9.6 U	47 U	6.2 U	31 U	6.7 U	11 UJ	6.8 U	8.4 U	5.6 U	17 UJ	3400 U	42 U	42 U	**5.8 J**	**0.99 J**	52 UJ	6.9 U	10 UJ	49 U	14 U
TRANS-1,2-DICHLOROETHENE	ug/kg	9.6 U	47 U	6.2 U	31 U	6.7 U	11 UJ	6.8 U	8.4 U	5.6 U	17 UJ	3400 U	**250**	**130**	**5.0 J**	**1.6 J**	52 UJ	6.9 U	10 UJ	49 U	**1.8 J**
TRANS-1,3-DICHLOROPROPENE	ug/kg	9.6 U	47 U	6.2 U	31 U	6.7 U	11 UJ	6.8 U	8.4 UJ	5.6 U	17 UJ	3400 U	42 U	42 U	6.3 U	6.6 U	52 UJ	6.9 U	10 UJ	49 U	14 U
TRICHLOROETHENE	ug/kg	**2.3 J**	**6.0 J**	6.2 U	**2.4 J**	**2.3 J**	**1.9 J**	6.8 U	**0.88 J**	5.6 U	**3.1 J**	**11000**	**13000 J**	**2300**	**1400**	**960 J**	52 UJ	**18**	**96 J**	49 UJ	**5800 J**
TRICHLOROFLUOROMETHANE	ug/kg	9.6 U	47 UJ	6.2 U	31 UJ	6.7 U	11 UJ	6.8 U	8.4 UJ	5.6 U	17 UJ	3400 U	42 UJ	42 UJ	6.3 U	6.6 UJ	52 UJ	6.9 U	10 UJ	49 U	14 U
VINYL CHLORIDE	ug/kg	9.6 U	47 U	6.2 U	31 U	6.7 U	11 UJ	6.8 U	8.4 U	5.6 U	17 UJ	3400 U	**94**	**110**	**25**	**15**	52 UJ	**1.5 J**	10 UJ	49 U	**11 J**
TOTAL VOCs (including BTEX)	ug/kg	**4168.8**	**3796.7**	**100.1**	**664.8**	**18.51**	**224.6**	**12.65**	**39.88**	**21.85**	**420.6**	**12200**	**16452.6**	**8220.8**	**1574.27**	**1173.86**	**792.3**	**44.95**	**341.9**	**457.2**	**6061**

Notes:
J = Estimated Value
R = Rejected Value
U = Not Detected

Table B-1
Summary of Volatile Organic Compound Analytical Results in Sedimen
Pemart Avenue Works Former MGP and EGP - Remedial Investigation
Consolidated Edison, Peekskill, New York
November - December 2007

	Location ID	SD18	SD18	SD21	SD21	SD22	SD22	SD23	SD24	SD25	SD25
	Sample ID	SD18 (0-2)	SD18 (5-6)	SD21 (0-2)	SD21 (4-5)	SD22 (7-9)	SD22 (13-15)	SD23 (3-5)	SD24 (8-10)	SD25 (3-4)	SD25 (4-5)
	Sample Date	12/7/2007	12/7/2007	12/10/2007	12/10/2007	12/11/2007	12/11/2007	12/11/2007	12/14/2007	12/14/2007	12/14/2007
	Depth Interval (ft)	0.5- 2	5- 6	0.5- 2	4- 5	7- 9	13- 15	3- 5	8- 10	3- 4	4- 5
	Sample Type	N	N	N	N	N	N	N	N	N	N
	Lithology	Upper Silt	Silt/Clay	Upper Silt	Silt/Clay	Silt	Peat	Upper Silt	Sand Lens	Upper Silt	Silt/Clay
CHEMICAL NAME	Unit										
CHEMISTRY											
PH	pH units	**7.06**				**7.79**	**7.75**	**7.26**	**7.40**		
TOTAL ORGANIC CARBON	mg/kg	**36000 J**		**97800 J**	**5690 J**	**18200 J**	**87200 J**	**29400 J**	**1420 J**	**47200 J**	
TOTAL SOLIDS	%	**42.4**	**73.1**	**56.3**	**69.7**	**59.7**	**34.0**	**37.5**	**80.0**	**51.3**	**69.9**
VOC-BTEX											
BENZENE	ug/kg	**20 J**	6.8 U	**13000**	**47**	8.4 U	15 UJ	13 UJ		**31**	**1.4 J**
ETHYLBENZENE	ug/kg	**20 J**	6.8 U	**320000**	**720**	8.4 U	15 UJ	13 UJ		**1.8 J**	**1.1 J**
TOLUENE	ug/kg	24 UJ	6.8 U	**1800 J**	36 U	**1.0 J**	**1.2 J**	**2.5 J**		9.7 U	**1.7 J**
XYLENE, M&P-	ug/kg	**610 J**	6.8 U	**15000**	**36**	8.4 U	15 UJ	13 UJ		**19**	**1.3 J**
XYLENE, O-	ug/kg	**110 J**	6.8 U	**170000**	**340**	8.4 U	15 UJ	13 UJ		**2.7 J**	**0.82 J**
TOTAL BTEX	ug/kg	**760**		**519800**	**1143**	**1**	**1.2**	**2.5**		**54.5**	**6.32**
VOC											
1,1,1-TRICHLOROETHANE	ug/kg	24 UJ	6.8 U	8900 U	36 U	8.4 U	15 UJ	13 UJ		9.7 U	7.2 U
1,1,2,2-TETRACHLOROETHANE	ug/kg	24 UJ	6.8 U	8900 U	36 U	8.4 U	15 UJ	13 UJ		9.7 U	7.2 U
1,1,2-TRICHLOROETHANE	ug/kg	24 UJ	6.8 U	8900 U	36 U	8.4 U	15 UJ	13 UJ		9.7 U	7.2 U
1,1-DICHLOROETHANE	ug/kg	24 UJ	6.8 U	8900 U	36 U	8.4 U	15 UJ	13 UJ		9.7 U	7.2 U
1,1-DICHLOROETHENE	ug/kg	24 UJ	6.8 U	8900 U	**4.6 J**	8.4 U	15 UJ	13 UJ		9.7 U	7.2 U
1,2,4-TRICHLOROBENZENE	ug/kg	24 UJ	6.8 U	8900 U	36 U	8.4 U	15 UJ	13 UJ		9.7 U	7.2 U
1,2-DIBROMO-3-CHLOROPROPANE	ug/kg	24 UJ	6.8 U	8900 UJ	36 U	8.4 U	15 UJ	13 UJ		9.7 U	7.2 U
1,2-DIBROMOETHANE	ug/kg	24 UJ	6.8 U	8900 U	36 U	8.4 U	15 UJ	13 UJ		9.7 U	7.2 U
1,2-DICHLOROBENZENE	ug/kg	**4.0 J**	6.8 U	8900 U	36 U	8.4 U	15 UJ	13 UJ		9.7 U	7.2 U
1,2-DICHLOROETHANE	ug/kg	24 UJ	6.8 U	8900 U	36 U	8.4 U	15 UJ	13 UJ		9.7 U	7.2 U
1,2-DICHLOROPROPANE	ug/kg	24 UJ	6.8 U	8900 U	36 U	8.4 U	15 UJ	13 UJ		9.7 U	7.2 U
1,3-DICHLOROBENZENE	ug/kg	24 UJ	6.8 U	8900 U	36 U	8.4 U	15 UJ	13 UJ		9.7 U	7.2 U
1,4-DICHLOROBENZENE	ug/kg	24 UJ	6.8 U	8900 U	36 U	8.4 U	15 UJ	13 UJ		9.7 U	7.2 U
2-BUTANONE	ug/kg	**99 J**	**4.9 J**	18000 U	72 U	**14 J**	**13 J**	**27 J**		**55**	14 U
2-HEXANONE	ug/kg	47 UJ	14 U	18000 U	72 U	17 U	29 UJ	27 UJ		19 U	14 U
4-METHYL-2-PENTANONE (MIBK)	ug/kg	47 UJ	14 U	18000 U	72 U	17 U	29 UJ	27 UJ		19 U	14 U
ACETONE	ug/kg	**380 J**	**25 J**	36000 U	140 U	**52**	59 UJ	**130 J**		**190**	29 U
BROMODICHLOROMETHANE	ug/kg	24 UJ	6.8 U	8900 U	36 U	8.4 U	15 UJ	13 UJ		9.7 U	7.2 U
BROMOFORM	ug/kg	24 UJ	6.8 U	8900 U	36 U	8.4 U	15 UJ	13 UJ		9.7 U	7.2 U
BROMOMETHANE	ug/kg	24 UJ	6.8 U	8900 U	36 U	8.4 U	15 UJ	13 UJ		9.7 U	7.2 U
CARBON DISULFIDE	ug/kg	**2.8 J**	14 U	**640 J**	**12 J**	**1.2 J**	**2.1 J**	**1.7 J**		**5.7 J**	14 U
CARBON TETRACHLORIDE	ug/kg	24 UJ	6.8 U	8900 U	36 U	8.4 U	15 UJ	13 UJ		9.7 U	7.2 U
CHLORINATED FLUOROCARBON (FREON 113)	ug/kg	24 UJ	6.8 U	8900 U	36 U	8.4 U	15 UJ	13 UJ		9.7 U	7.2 U
CHLOROBENZENE	ug/kg	24 UJ	6.8 U	8900 U	36 U	8.4 U	15 UJ	13 UJ		9.7 U	7.2 U
CHLORODIBROMOMETHANE	ug/kg	24 UJ	6.8 U	8900 U	36 U	8.4 U	15 UJ	13 UJ		9.7 U	7.2 U
CHLOROETHANE	ug/kg	47 UJ	14 U	18000 U	72 U	17 U	29 UJ	27 UJ		19 U	14 U
CHLOROFORM	ug/kg	24 UJ	6.8 U	8900 U	36 U	8.4 U	15 UJ	13 UJ		9.7 U	7.2 U
CHLOROMETHANE (METHYL CHLORIDE)	ug/kg	24 UJ	6.8 U	8900 U	36 U	8.4 U	15 UJ	13 UJ		9.7 U	7.2 U
CIS-1,2-DICHLOROETHENE	ug/kg	24 UJ	6.8 U	8900 U	**320**	8.4 U	15 UJ	13 UJ		9.7 U	7.2 U
CIS-1,3-DICHLOROPROPENE	ug/kg	24 UJ	6.8 U	8900 U	36 U	8.4 U	15 UJ	13 UJ		9.7 U	7.2 U
CYCLOHEXANE	ug/kg	**83 J**	6.8 U	8900 U	36 U	8.4 U	15 UJ	13 UJ		9.7 U	7.2 U
DICHLORODIFLUOROMETHANE	ug/kg	24 UJ	6.8 UJ	8900 U	36 U	8.4 U	15 UJ	13 UJ		9.7 U	7.2 U
DICHLOROMETHANE	ug/kg	24 UJ	6.8 U	8900 U	36 U	8.4 U	15 UJ	13 UJ		9.7 U	7.2 U
ISOPROPYLBENZENE	ug/kg	**64 J**	**2.2 J**	**52000**	**140**	**12**	15 UJ	13 UJ		**110**	**0.82 J**
METHYL ACETATE	ug/kg	47 UJ	14 U	18000 U	72 U	17 U	29 UJ	27 UJ		19 U	14 U
METHYL TERT-BUTYL ETHER	ug/kg	24 UJ	6.8 U	8900 U	36 U	8.4 U	15 UJ	13 UJ		9.7 U	7.2 U
METHYLCYLOHEXANE	ug/kg	**210 J**	6.8 U	8900 U	36 U	**1.1 J**	15 UJ	13 UJ		**1.6 J**	7.2 U
STYRENE	ug/kg	24 UJ	6.8 U	8900 U	36 U	8.4 U	15 UJ	13 UJ		9.7 U	7.2 U
TETRACHLOROETHENE	ug/kg	24 UJ	6.8 U	8900 U	**6.0 J**	8.4 U	15 UJ	13 UJ		9.7 U	7.2 U
TRANS-1,2-DICHLOROETHENE	ug/kg	24 UJ	6.8 U	8900 U	**26 J**	8.4 U	15 UJ	13 UJ		9.7 U	7.2 U
TRANS-1,3-DICHLOROPROPENE	ug/kg	24 UJ	6.8 U	8900 U	36 U	8.4 U	15 UJ	13 UJ		9.7 U	7.2 U
TRICHLOROETHENE	ug/kg	24 UJ	6.8 U	8900 U	**4300**	8.4 U	15 UJ	13 UJ		9.7 U	7.2 U
TRICHLOROFLUOROMETHANE	ug/kg	24 UJ	6.8 U	8900 U	36 U	8.4 U	15 UJ	13 UJ		9.7 U	7.2 U
VINYL CHLORIDE	ug/kg	24 UJ	6.8 U	8900 U	**17 J**	8.4 U	15 UJ	13 UJ		9.7 U	7.2 U
TOTAL VOCs (Including BTEX)	ug/kg	**1602.8**	**32.1**	**572440**	**5968.6**	**81.3**	**16.3**	**161.2**		**416.8**	**7.14**

Notes:
J = Estimated Value
R = Rejected Value
U = Not Detected

Table B-2
Summary of Semivolatile Organic Compound Analytical Results in Sedimen
Pemart Avenue Works Former MGP and EGP - Remedial Investigatior
Consolidated Edison, Peekskill, New Yor
November - December 2007

	Location ID	SD01	SD01	SD02	SD02	SD02	SD03	SD03	SD03	SD03	SD03	SD04	SD04	SD04	SD05	SD05	SD06	SD07	SD09	SD09	SD10	SD11	SD11	SD11	SD11	SD12	SD12	SD12
	Sample ID	SD1 (8-8.5)	SD1 (12-12.5)	SD2 (10-11)	SD2 (16.5-17)	SD2 (18-19)	SD3 (1-3)	SD3 (9-10)	SD3 (14-16)	SD3 (16-16.5)	SD4 (0-2)	SD4 (6-7)	SD4 (14-15)	SD5 (0-2)	SD5 (16-17)	SD6 (16-17)	SD7 (19-21)	SD9 (2-4)	SD9 (5-7)	SD10 (2-3)	SD100	SD11 (16-17)	SD11 (6-8)	SD11 (19-20)	SD101	SD12 (2-4)	SD12 (4-6)
	Sample Date	11/29/2007	11/29/2007	11/29/2007	11/29/2007	11/29/2007	11/29/2007	11/29/2007	11/29/2007	11/29/2007	11/29/2007	11/29/2007	11/29/2007	11/30/2007	11/30/2007	11/30/2007	12/3/2007	12/5/2007	12/5/2007	12/5/2007	12/5/2007	12/5/2007	12/5/2007	12/5/2007	12/5/2007	12/5/2007	12/5/2007
	Depth Interval (ft)	8- 8.5	12- 12.5	10- 11	16.5- 17	18- 19	1- 3	9- 10	14- 16	16- 16.5	0.5- 2	6- 7	14- 15	0.5- 2	16- 17	16- 17	19- 21	2- 4	5- 7	2- 3	6- 8	16- 17	6- 8	19- 20	2- 4	2- 4	4- 6
	Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N	N	N	FD	N	N
	Lithology	Upper Silt	Silt/Clay	Peat	Silt/Clay	Silt/Clay	Upper Silt	Upper Silt	Silt	Peat	Upper Silt	Silt/Clay	Peat	Upper Silt	Silt	Silt	Peat	Upper Silt	Silt	Upper Silt	Upper Silt	Sand Lens	Upper Silt	Silt/Clay	Upper Silt	Upper Silt	Silt/Clay
CHEMICAL NAME	Unit																											
CHEMISTRY																												
PH	pH units																											
TOTAL ORGANIC CARBON	mg/kg	83200 J					55500 J	39300 J			62000 J	16000 J		40200 J			24800 J	45500 J		77800 J	87700		85800		1640 J	112000 J	
TOTAL SOLIDS	%	45.5	71.9	31.8	75.4	77.2	28.2	63.3	56.9	25.4	53.7	61.1	77.9	42.2	64.5	57.7	56.9	85.3	58.6	78.3	52.2	81.0	53.2	81.8	74.1	47.4	73.5
SVOC-PAH																												
2-METHYLNAPHTHALENE	ug/kg		460 U	**97 J**	440 U	430 UJ			**32000**	**2100 J**	**2600**	540 U	420 U	2300 UJ	510 U	570 U	580 U	**50000**	560 U	**15000**	**44000**	**250 J**	**15000**	**110 J**	450 UJ	**950 J**	450 U
ACENAPHTHENE	ug/kg		460 U	**180 J**	440 U	430 UJ			**16000**	**1100 J**	**12000**	**49 J**	420 U	2300 UJ	510 U	**33 J**	580 U	**30000**	**150 J**	**14000**	**50000**	**440**	**60000**	**35 J**	**78 J**	**4000 J**	450 U
ACENAPHTHYLENE	ug/kg		460 U	**88 J**	440 U	430 UJ			5800 U	**91 J**	**2000**	540 U	420 U	**330 J**	510 U	570 U	580 U	**2300 J**	**44 J**	**1900 J**	**7900 J**	**47 J**	**7300 J**	**37 J**	**38 J**	**3000 J**	450 U
ANTHRACENE	ug/kg		460 U	**120 J**	440 U	430 UJ			**5300 J**	**430 J**	**6000**	**92 J**	420 U	**330 J**	510 U	570 U	580 U	**12000**	**240 J**	**8000**	**36000**	**230 J**	**41000**	**31 J**	**77 J**	**3600 J**	450 U
BENZO(A)ANTHRACENE	ug/kg		460 U	**230 J**	440 U	**32 J**			**970 J**	**260 J**	**6500**	**140 J**	420 U	**1000 J**	510 U	570 U	580 U	**8200**	**560 J**	**6100**	**25000**	**190 J**	**32000**	400 U	**120 J**	**8400 J**	**38 J**
BENZO(A)PYRENE	ug/kg		460 U	**220 J**	440 U	**40 J**			**440 J**	**190 J**	**5600**	**130 J**	420 U	**1200 J**	510 U	570 U	580 U	**6400**	**550 J**	**5000**	**19000**	**150 J**	**24000**	400 U	**110 J**	**8600 J**	450 U
BENZO(B)FLUORANTHENE	ug/kg		460 U	**180 J**	440 U	430 UJ			5800 U	1300 UJ	**4100**	**100 J**	420 U	**1100 J**	510 U	570 U	580 U	**3400 J**	**390 J**	**2600 J**	**9800**	**89 J**	**13000**	400 U	**72 J**	**5900 J**	450 U
BENZO(G,H,I)PERYLENE	ug/kg		460 U	**160 J**	440 U	430 UJ			5800 U	1300 UJ	**2800**	**79 J**	420 U	**920 J**	510 U	570 U	580 U	**2800 J**	**310 J**	**2600 J**	**8000 J**	**81 J**	**12000 J**	400 U	**62 J**	**4400 J**	450 U
BENZO(K)FLUORANTHENE	ug/kg		460 U	**160 J**	440 U	430 UJ			5800 U	1300 UJ	**4500**	**80 J**	420 U	**1000 J**	510 U	570 U	580 U	**3900**	**410 J**	**3100 J**	**12000**	**110 J**	**14000**	400 U	**78 J**	**6300 J**	450 U
CHRYSENE	ug/kg		460 U	**280 J**	440 U	**28 J**			**980 J**	**240 J**	**6900**	**140 J**	420 U	**1300 J**	510 U	570 U	580 U	**8000**	**510 J**	**6100**	**25000**	**190 J**	**32000**	400 U	**130 J**	**10000 J**	**42 J**
DIBENZ(A,H)ANTHRACENE	ug/kg		460 U	1000 UJ	440 U	430 UJ			5800 U	1300 UJ	**950 J**	540 U	420 U	**230 J**	510 U	570 U	580 U	**900 J**	**77 J**	**770 J**	**2500 J**	410 U	**3800 J**	400 U	450 UJ	**1400 J**	450 U
FLUORANTHENE	ug/kg		460 U	**440 J**	440 U	430 UJ			**3500 J**	**430 J**	**12000**	**330 J**	420 U	**2400 J**	510 U	570 U	580 U	**16000**	**920**	**11000**	**46000**	**330 J**	**55000**	400 U	**220 J**	**17000 J**	**73 J**
FLUORENE	ug/kg		460 U	1000 UJ	440 U	430 UJ			**6200**	**390 J**	**5400**	**52 J**	420 U	2300 UJ	510 U	570 U	580 U	**13000**	**120 J**	**7700**	**25000**	**230 J**	**30000**	**43 J**	**49 J**	**2100 J**	450 U
INDENO(1,2,3-CD)PYRENE	ug/kg		460 U	**140 J**	440 U	430 UJ			5800 U	**63 J**	**2600**	**69 J**	420 U	**810 J**	510 U	570 U	580 U	**2300 J**	**270 J**	**2000 J**	**6700 J**	**63 J**	**10000 J**	400 U	**51 J**	**3800 J**	450 U
NAPHTHALENE	ug/kg		460 U	**170 J**	440 U	430 U			**60000**	**3700 J**	**3500**	540 U	420 U	2300 UJ	510 U	570 U	**60 J**	**54000**	**75 J**	**11000**	**38000**	**250 J**	**17000**	**220 J**	**32 J**	**1400 J**	450 U
PHENANTHRENE	ug/kg		460 U	**310 J**	440 U	430 UJ			**19000**	**1400 J**	**18000**	**330 J**	420 U	**880 J**	510 U	570 U	580 U	**41000**	**630**	**27000**	**100000**	**790**	**120000**	**150 J**	**260 J**	**12000 J**	**75 J**
PYRENE	ug/kg		460 U	**410 J**	440 U	430 UJ			**6000**	**630 J**	**11000**	**280 J**	420 U	**2000 J**	510 U	570 U	580 U	**21000**	**840**	**15000**	**59000**	**400 J**	**75000**	**37 J**	**240 J**	**17000 J**	**78 J**
TOTAL PAHS	ug/kg			**3185**		**100**			**150390**	**11024**	**106450**	**1871**		**13500**		**33**	**60**	**275200**	**6096**	**138870**	**513900**	**3840**	**561100**	**663**	**1617**	**109850**	**306**
SVOC																												
1,1-BIPHENYL	ug/kg		460 U	1000 UJ	440 U	430 UJ			**2800 J**	**190 J**	**260 J**	540 U	420 U	2300 UJ	510 U	570 U	580 U	**4200**	560 U	**1500 J**	**5600 J**	**49 J**	**6800 J**	400 U	450 UJ	2100 UJ	450 U
2,2-OXYBIS(1-CHLOROPROPANE)	ug/kg		460 U	1000 UJ	440 U	430 UJ			5800 U	1300 UJ	1800 U	540 U	420 U	2300 UJ	510 U	570 U	580 U	3900 U	560 U	3400 U	9500 U	410 U	12000 U	400 U	450 UJ	2100 UJ	450 U
2,4,5-TRICHLOROPHENOL	ug/kg		460 U	1000 UJ	440 U	430 U			5800 U	1300 UJ	1800 U	540 U	420 U	2300 UJ	510 U	570 U	580 U	3900 U	560 U	3400 U	9500 U	410 U	12000 U	400 U	450 UJ	2100 UJ	450 U
2,4,6-TRICHLOROPHENOL	ug/kg		460 U	1000 UJ	440 U	430 U			5800 U	1300 UJ	1800 U	540 U	420 U	2300 UJ	510 U	570 U	580 U	3900 U	560 U	3400 U	9500 U	410 U	12000 U	400 U	450 UJ	2100 UJ	450 U
2,4-DICHLOROPHENOL	ug/kg		460 U	1000 UJ	440 U	430 U			5800 U	1300 UJ	1800 U	540 U	420 U	2300 UJ	510 U	570 U	580 U	3900 U	560 U	3400 U	9500 U	410 U	12000 U	400 U	450 UJ	2100 UJ	450 U
2,4-DIMETHYLPHENOL	ug/kg		460 U	1000 UJ	440 U	430 U			5800 U	1300 UJ	1800 U	540 U	420 U	2300 UJ	510 U	570 U	580 U	3900 U	560 U	3400 U	9500 U	410 U	12000 U	400 U	450 UJ	2100 UJ	450 U
2,4-DINITROPHENOL	ug/kg		2400 UJ	5300 UJ	2300 UJ	2200 UJ			30000 UJ	6700 UJ	9500 UJ	2800 UJ	2200 UJ	12000 UJ	2600 UJ	2900 UJ	3000 U	20000 U	2900 U	17000 U	49000 UJ	2100 U	64000 U	2100 U	2300 UJ	11000 UJ	2300 U
2,4-DINITROTOLUENE	ug/kg		460 U	1000 UJ	440 U	430 UJ			5800 U	1300 UJ	1800 U	540 U	420 U	2300 UJ	510 U	570 U	580 U	3900 U	560 U	3400 U	9500 U	410 U	12000 U	400 U	450 UJ	2100 UJ	450 U
2,6-DINITROTOLUENE	ug/kg		460 U	1000 UJ	440 U	430 UJ			5800 U	1300 UJ	1800 U	540 U	420 U	2300 UJ	510 U	570 U	580 U	3900 U	560 U	3400 U	9500 U	410 U	12000 U	400 U	450 UJ	2100 UJ	450 U
2-CHLORONAPHTHALENE	ug/kg		460 U	1000 UJ	440 U	430 UJ			5800 U	1300 UJ	1800 U	540 U	420 U	2300 UJ	510 U	570 U	580 U	3900 U	560 U	3400 U	9500 U	410 U	12000 U	400 U	450 UJ	2100 UJ	450 U
2-CHLOROPHENOL	ug/kg		460 U	1000 UJ	440 U	430 U			5800 U	1300 UJ	1800 U	540 U	420 U	2300 UJ	510 U	570 U	580 U	3900 U	560 U	3400 U	9500 U	410 U	12000 U	400 U	450 UJ	2100 UJ	450 U
2-METHYLPHENOL	ug/kg		460 U	1000 UJ	440 U	430 U			5800 U	1300 UJ	1800 U	540 U	420 U	2300 UJ	510 U	570 U	580 U	3900 U	560 U	3400 U	9500 U	410 U	12000 U	400 U	450 UJ	2100 UJ	450 U
2-NITROANILINE	ug/kg		2400 U	5300 UJ	2300 U	2200 UJ			30000 U	6700 UJ	9500 U	2800 U	2200 U	12000 UJ	2600 U	2900 U	3000 U	20000 U	2900 U	17000 U	49000 U	2100 U	64000 U	2100 U	2300 UJ	11000 UJ	2300 U
2-NITROPHENOL	ug/kg		460 U	1000 UJ	440 U	430 U			5800 U	1300 UJ	1800 U	540 U	420 U	2300 UJ	510 U	570 U	580 U	3900 U	560 U	3400 U	9500 U	410 U	12000 U	400 U	450 UJ	2100 UJ	450 U
3,3-DICHLOROBENZIDINE	ug/kg		460 U	1000 UJ	440 U	430 UJ			5800 U	1300 UJ	1800 U	540 U	420 U	2300 UJ	510 U	570 U	580 U	3900 U	560 U	3400 U	9500 U	410 U	12000 U	400 U	450 UJ	2100 UJ	450 U
3-NITROANILINE	ug/kg		2400 U	5300 UJ	2300 U	2200 UJ			30000 U	6700 UJ	9500 U	2800 U	2200 U	12000 UJ	2600 U	2900 U	3000 U	20000 U	2900 U	17000 U	49000 U	2100 U	64000 U	2100 U	2300 UJ	11000 UJ	2300 U
4,6-DINITRO-2-METHYLPHENOL	ug/kg		2400 U	5300 UJ	2300 U	2200 U			30000 U	6700 UJ	9500 U	2800 U	2200 U	12000 UJ	2600 U	2900 U	3000 U	20000 U	2900 U	17000 U	49000 U	2100 U	64000 U	2100 U	2300 UJ	11000 UJ	2300 U
4-BROMOPHENYL PHENYL ETHER	ug/kg		460 U	1000 UJ	440 U	430 UJ			5800 U	1300 UJ	1800 U	540 U	420 U	2300 UJ	510 U	570 U	580 U	3900 U	560 U	3400 U	9500 U	410 U	12000 U	400 U	450 UJ	2100 UJ	450 U
4-CHLORO-3-METHYLPHENOL	ug/kg		460 U	1000 UJ	440 U	430 U			5800 U	1300 UJ	1800 U	540 U	420 U	2300 UJ	510 U	570 U	580 U	3900 U	560 U	3400 U	9500 U	410 U	12000 U	400 U	450 UJ	2100 UJ	450 U
4-CHLOROANILINE	ug/kg		460 U	1000 UJ	440 U	430 UJ			5800 U	1300 UJ	1800 U	540 U	420 U	2300 UJ	510 U	570 U	580 U	3900 U	560 U	3400 U	9500 U	410 U	12000 U	400 U	450 UJ	2100 UJ	450 U
4-CHLOROPHENYL PHENYL ETHER	ug/kg		460 U	1000 UJ	440 U	430 UJ			5800 U	1300 UJ	1800 U	540 U	420 U	2300 UJ	510 U	570 U	580 U	3900 U	560 U	3400 U	9500 U	410 U	12000 U	400 U	450 UJ	2100 UJ	450 U
4-METHYLPHENOL (P-CRESOL)	ug/kg		460 U	1000 UJ	440 U	430 U			5800 U	1300 UJ	**130 J**	540 U	420 U	2300 UJ	510 U	570 U	580 U	3900 U	560 U	3400 U	9500 U	410 U	12000 U	400 U	450 UJ	2100 UJ	450 U
4-NITROANILINE	ug/kg		2400 U	5300 UJ	2300 U	2200 UJ			30000 U	6700 UJ	9500 U	2800 U	2200 U	12000 UJ	2600 U	2900 U	3000 U	20000 U	2900 U	17000 U	49000 U	2100 U	64000 U	2100 U	2300 UJ	11000 UJ	2300 U
4-NITROPHENOL	ug/kg		2400 U	5300 UJ	2300 U	2200 U			30000 U	6700 UJ	9500 U	2800 U	2200 U	12000 UJ	2600 U	2900 U	3000 U	20000 U	2900 U	17000 U	49000 U	2100 U	64000 U	2100 U	2300 UJ	11000 UJ	2300 U
ACETOPHENONE	ug/kg		460 U	1000 UJ	440 U	430 UJ			5800 U	1300 UJ	1800 U	540 U	420 U	2300 UJ	510 U	570 U	580 U	3900 U	560 U	3400 U	9500 U	410 U	12000 U	400 U	450 UJ	2100 UJ	450 U
ATRAZINE	ug/kg		460 U	1000 UJ	440 U	430 UJ			5800 U	1300 UJ	1800 U	540 U	420 U	2300 UJ	510 U	570 U	580 UJ	3900 UJ	560 UJ	3400 UJ	9500 U	410 UJ	12000 UJ	400 UJ	450 UJ	2100 UJ	450 UJ
BENZALDEHYDE	ug/kg		460 UJ	1000 UJ	440 UJ	430 UJ			5800 UJ	1300 UJ	1800 UJ	540 UJ	420 UJ	2300 UJ	510 UJ	570 UJ	580 UJ	3900 UJ	560 UJ	3400 UJ	9500 UJ	410 UJ	12000 UJ	400 UJ	450 UJ	2100 UJ	450 UJ
BIS(2-CHLOROETHOXY)METHANE	ug/kg		460 U	1000 UJ	440 U	430 UJ			5800 U	1300 UJ	1800 U	540 U	420 U	2300 UJ	510 U	570 U	580 U	3900 U	560 U	3400 U	9500 U	410 U	12000 U	400 U	450 UJ	2100 UJ	450 U
BIS(2-CHLOROETHYL) ETHER	ug/kg		460 U	1000 UJ	440 U	430 UJ			5800 U	1300 UJ	1800 U	540 U	420 U	2300 UJ	510 U	570 U	580 U	3900 U	560 U	3400 U	9500 U	410 U	12000 U	400 U	450 UJ	2100 UJ	450 U
BIS(2-ETHYLHEXYL) PHTHALATE	ug/kg		460 U	**120 J**	440 U	430 UJ			5800 U	1300 UJ	1800 U	540 U	420 U	**1400 J**	510 U	570 U	580 U	**390 J**	560 U	**320 J**	9500 U	**49 J**	12000 U	400 U	**32 J**	**1100 J**	450 U
BUTYLBENZYLPHTHALATE	ug/kg		460 U	1000 UJ	440 U	430 UJ			5800 U	1300 UJ	1800 U	540 U	420 U	2300 UJ	510 U	570 U	580 U	3900 U	560 U	3400 U	9500 U	410 U	12000 U	400 U	450 UJ	2100 UJ	450 U
CAPROLACTAM	ug/kg		460 U	1000 UJ	440 U	430 UJ			5800 U	1300 UJ	1800 U	540 U	420 U	2300 UJ	510 U	570 U	580 U	3900 U	560 U	3400 U	9500 U	410 U	12000 U	400 U	450 UJ	2100 UJ	450 U
CARBAZOLE	ug/kg		460 U	1000 UJ	440 U	430 UJ			**510 J**	1300 UJ	**190 J**	540 U	420 U	2300 UJ	510 U	570 U	580 U	3900 U	560 U	3400 U	9500 U	**1100 J**	400 U	450 UJ	**360 J**	450 U
DIBENZOFURAN	ug/kg		460 U	1000 UJ	440 U	430 UJ			**790 J**	1300 UJ	**670 J**	540 U	420 U	2300 UJ	510 U	570 U	580 U	**1300 J**	560 U	**640 J**	9500 U	**30 J**	**2800 J**	400 U	450 UJ	**320 J**	450 U
DIETHYL PHTHALATE	ug/kg		460 U	1000 UJ	440 U	430 UJ			5800 U	1300 UJ	1800 U	540 U	420 U	2300 UJ	510 U	570 U	580 U	3900 U	560 U	3400 U	9500 U	410 U	12000 U	400 U	450 UJ	2100 UJ	450 U
DIMETHYLPHTHALATE	ug/kg		460 U	1000 UJ	440 U	430 UJ			5800 U	1300 UJ	1800 U	540 U	420 U	2300 UJ	510 U	570 U	580 U	3900 U	560 U	3400 U	9500 U	410 U	12000 U	400 U	450 UJ	2100 UJ	450 U
DI-N-BUTYL PHTHALATE	ug/kg		460 U	1000 UJ	440 U	430 UJ			5800 U	1300 UJ	1800 U	540 U	420 U	2300 UJ	510 U	570 U	580 U	3900 U	560 U	3400 U	9500 U	410 U	12000 U	400 U	450 UJ	2100 UJ	450 U
DI-N-OCTYL PHTHALATE	ug/kg		460 U	1000 UJ	440 U	430 UJ			5800 U	1300 UJ	1800 U	540 U	420 U	2300 UJ	510 U	570 U	580 U	3900 U	560 U	3400 U	9500 U	410 U	12000 U	400 U	450 UJ	2100 UJ	450 U
HEXACHLORO-1,3-BUTADIENE	ug/kg		460 U	1000 UJ	440 U	430 UJ			5800 U	1300 UJ	1800 U	540 U	420 U	2300 UJ	510 U	570 U	580 U	3900 U	560 U	3400 U	9500 U	410 U	12000 U	400 U	450 UJ	2100 UJ	450 U
HEXACHLOROBENZENE	ug/kg		460 U	1000 UJ	440 U	430 UJ			5800 U	1300 UJ	1800 U	540 U	420 U	2300 UJ	510 U	570 U	580 U	3900 U	560 U	3400 U	9500 U	410 U	12000 U	400 U	450 UJ	2100 UJ	450 U
HEXACHLOROCYCLOPENTADIENE	ug/kg		460 U	1000 UJ	440 U	430 UJ			5800 U	1300 UJ	1800 U	540 U	420 U	2300 UJ	510 U	570 U	580 U	3900 UJ	560 U	3400 UJ	9500 U	410 U	12000 UJ	400 U	450 UJ	2100 UJ	450 U
HEXACHLOROETHANE	ug/kg		460 U	1000 UJ	440 U	430 UJ			5800 U	1300 UJ	1800 U	540 U	420 U	2300 UJ	510 U	570 U	580 U	3900 U	560 U	3400 U	9500 U	410 U	12000 U	400 U	450 UJ	2100 UJ	450 U
ISOPHORONE	ug/kg		460 U	1000 UJ	440 U	430 UJ			5800 U	1300 UJ	1800 U	540 U	420 U	2300 UJ	510 U	570 U	580 U	3900 U	560 U	3400 U	9500 U	410 U	12000 U	400 U	450 UJ	2100 UJ	450 U
NITROBENZENE	ug/kg		460 U	1000 UJ	440 U	430 UJ			5800 U	1300 UJ	1800 U	540 U	420 U	2300 UJ	510 U	570 U	580 U	3900 U	560 U	3400 U	9500 U	410 U	12000 U	400 U	450 UJ	2100 UJ	450 U
N-NITROSODI-N-PROPYLAMINE	ug/kg		460 U	1000 UJ	440 U	430 UJ			5800 U	1300 UJ	1800 U	540 U	420 U	2300 UJ	510 U	570 U	580 U	3900 U	560 U	3400 U	9500 U	410 U	12000 U	400 U	450 UJ	2100 UJ	450 U
N-NITROSODIPHENYLAMINE	ug/kg		460 U	1000 UJ	440 U	430 UJ			5800 U	1300 UJ	1800 U	540 U	420 U	2300 UJ	510 U	570 U	580 U	3900 U	560 U	3400 U	9500 U	410 U	12000 U	400 U	450 UJ	2100 UJ	450 U
PENTACHLOROPHENOL	ug/kg		2400 U	5300 UJ	2300 U	2200 U			30000 U	6700 UJ	9500 U	2800 U	2200 U	12000 UJ	2600 U	2900 U	3000 U	20000 U	2900 U	17000 U	49000 U	2100 U	64000 U	2100 U	2300 UJ	11000 UJ	2300 U
PHENOL	ug/kg		460 U	1000 UJ	440 U	430 U			5800 U	1300 UJ	1800 U	540 U	420 U	2300 UJ	510 U	570 U	580 U	3900 U	560 U	3400 U	9500 U	410 U	12000 U	400 U	450 UJ	2100 UJ	450 U
TOTAL SVOCs (Including PAHs)	ug/kg			**3305**		**100**			**154490**	**11214**	**107700**	**1871**		**14900**		**33**	**60**	**281090**	**6096**	**141330**	**519500**	**3968**	**571800**	**663**	**1649**	**111630**	**306**

Criteria Source:
NYSDEC 1998. New York State Ambient Water Quality Standards and Guidance Values.

Notes:
J = Estimated Value
R = Rejected Value
U = Not Detected
Indicates a Total PAH concentration in exceedance of the Effects Range Median (ERM) value of 44.79 mg/k

Table B-2
Summary of Semivolatile Organic Compound Analytical Results in
Pemart Avenue Works Former MGP and EGP - Remedial Investigat
Consolidated Edison, Peekskill, New York
November - December 2007

	Location ID	SD13	SD13	SD13	SD14	SD14	SD15	SD15	SD15	SD16	SD16	SD17	SD17	SD17	SD18	SD18	SD21	SD21	SD22	SD22	SD23	SD24	SD25	SD25
	Sample ID	SD13 (5-7)	SD13 (11-13)	SD13 (15-17)	SD14 (0-4)	SD14 (6-8)	SD15 (0-2)	SD15 (4-5)	SD15 (6-7)	SD16 (0-2)	SD16 (4-5)	SD102	SD17 (0-2)	SD17 (4-5)	SD18 (0-2)	SD18 (5-6)	SD21 (0-2)	SD21 (4-5)	SD22 (7-9)	SD22 (13-15)	SD23 (3-5)	SD24 (8-10)	SD25 (3-4)	SD25 (4-5)
	Sample Date	12/6/2007	12/6/2007	12/6/2007	12/6/2007	12/6/2007	12/6/2007	12/6/2007	12/6/2007	12/6/2007	12/6/2007	12/6/2007	12/6/2007	12/6/2007	12/7/2007	12/7/2007	12/10/2007	12/10/2007	12/11/2007	12/11/2007	12/11/2007	12/14/2007	12/14/2007	12/14/2007
	Depth Interval (ft)	5- 7	11- 13	15- 17	0.5- 4	6- 8	0.5- 2	4- 5	6- 7	0.5- 2	4- 5	0.5- 2	0.5- 2	4- 5	0.5- 2	5- 6	0.5- 2	4- 5	7- 9	13- 15	3- 5	8- 10	3- 4	4- 5
	Sample Type	N	N	N	N	N	N	N	N	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N
	Lithology	Upper Silt	Sand Lens	Peat	Upper Silt	Silt	Upper Silt	Silt/Clay	Silt/Clay	Upper Silt	Silt/Clay	Upper Silt	Upper Silt	Silt/Clay	Upper Silt	Silt/Clay	Upper Silt	Silt/Clay	Silt	Peat	Upper Silt	Sand Lens	Upper Silt	Silt/Clay
CHEMICAL NAME	Unit																							
CHEMISTRY																								
PH	pH units													8.39	7.06				7.79	7.75	7.26	7.40		
TOTAL ORGANIC CARBON	mg/kg	**15400 J**			**34600 J**		**13300 J**			**148000 J**		**79200 J**	**66400**		**36000 J**		**97800 J**	**5690 J**	**18200 J**	**87200 J**	**29400 J**	**1420 J**	**47200 J**	
TOTAL SOLIDS	%	**59.2**	**88.6**	**29.5**	**74.5**	**59.6**	**59.6**	**79.7**	**75.8**	**48.2**	**72.0**	**49.1**	**50.9**	**72.7**	**42.4**	**73.1**	**56.3**	**69.7**	**59.7**	**34.0**	**37.5**	**80.0**	**51.3**	**69.9**
SVOC-PAH																								
2-METHYLNAPHTHALENE	ug/kg	**44 J**	370 U	**120 J**	**340000**	**74 J**	**1700 J**	410 U	440 U	**1600 J**	460 U	**2400 J**	**1300 J**	450 U	3900 UJ	**98 J**	**2800000**	**4300**	**47 J**	970 UJ	**120 J**		**2100 J**	470 U
ACENAPHTHENE	ug/kg	**120 J**	370 U	**88 J**	**230000**	**42 J**	**6000 J**	**29 J**	440 U	**23000 J**	**36 J**	**19000 J**	**17000**	**88 J**	**310 J**	**470**	**1200000**	**2400**	**39 J**	970 UJ	**150 J**		**15000**	470 U
ACENAPHTHYLENE	ug/kg	560 U	370 U	1100 UJ	**17000 J**	550 U	**1800 J**	410 U	440 U	**5400 J**	460 U	**3900 J**	**4500**	**22 J**	**870 J**	**130 J**	**110000 J**	**200 J**	550 U	970 UJ	**430 J**		**2700 J**	470 U
ANTHRACENE	ug/kg	**49 J**	370 U	1100 UJ	**100000**	550 U	**4400 J**	410 U	440 U	**25000 J**	**39 J**	**11000 J**	**16000**	**76 J**	**970 J**	**270 J**	**430000 J**	**1100**	550 U	970 UJ	**560 J**		**8600**	470 U
BENZO(A)ANTHRACENE	ug/kg	560 U	370 U	1100 UJ	**55000**	550 U	**5200 J**	**36 J**	440 U	**18000 J**	**56 J**	**9800 J**	**15000**	**89 J**	**2600 J**	**370 J**	**180000 J**	**600**	550 U	**50 J**	**1300 J**		**7200**	470 U
BENZO(A)PYRENE	ug/kg	560 U	370 U	1100 UJ	**38000**	550 U	**4400 J**	410 U	440 U	**14000 J**	**43 J**	**8400 J**	**12000**	**70 J**	**2800 J**	**370 J**	**120000 J**	**420 J**	550 U	970 UJ	**1500 J**		**5700**	470 U
BENZO(B)FLUORANTHENE	ug/kg	560 U	370 U	1100 UJ	**16000 J**	550 U	**2300 J**	410 U	440 U	**6400 J**	460 U	**5500 J**	**6500**	**54 J**	**2100 J**	**250 J**	**44000 J**	**170 J**	550 U	970 UJ	**1200 J**		**3900**	470 U
BENZO(G,H,I)PERYLENE	ug/kg	560 U	370 U	1100 UJ	**15000 J**	550 U	**2300 J**	410 U	440 U	**5400 J**	460 U	**4300 J**	**5300**	**43 J**	**1800 J**	**220 J**	590000 U	**140 J**	550 U	970 UJ	**880 J**		**2900 J**	470 U
BENZO(K)FLUORANTHENE	ug/kg	560 U	370 U	1100 UJ	**21000 J**	550 U	**2300 J**	410 U	440 U	**7500 J**	460 U	**5100 J**	**7100**	**47 J**	**2100 J**	**270 J**	**64000 J**	**220 J**	550 U	970 UJ	**1400 J**		**3900**	470 U
CHRYSENE	ug/kg	560 U	370 U	1100 UJ	**51000**	550 U	**5200 J**	**38 J**	440 U	**18000 J**	**58 J**	**11000 J**	**16000**	**100 J**	**3100 J**	**420 J**	**180000 J**	**590**	550 U	**50 J**	**1500 J**		**8400**	470 U
DIBENZ(A,H)ANTHRACENE	ug/kg	560 U	370 U	1100 UJ	**4300 J**	550 U	**650 J**	410 U	440 U	**1500 J**	460 U	**1300 J**	**1600 J**	450 U	**420 J**	**62 J**	590000 U	**44 J**	550 U	970 UJ	**250 J**		**840 J**	470 U
FLUORANTHENE	ug/kg	**68 J**	370 U	1100 UJ	**110000**	550 U	**8700 J**	**72 J**	**26 J**	**35000 J**	**96 J**	**17000 J**	**24000**	**140 J**	**5200 J**	**700**	**360000 J**	**1100**	550 U	**85 J**	**2600 J**		**13000**	470 U
FLUORENE	ug/kg	**52 J**	370 U	1100 UJ	**100000**	550 U	**2900 J**	410 U	440 U	**13000 J**	460 U	**8100 J**	**9400**	**48 J**	**350 J**	**220 J**	**530000 J**	**1000**	550 U	970 UJ	**150 J**		**7000**	470 U
INDENO(1,2,3-CD)PYRENE	ug/kg	560 U	370 U	1100 UJ	**11000 J**	550 U	**1800 J**	410 U	440 U	**4600 J**	460 U	**3700 J**	**4300**	**40 J**	**1400 J**	**180 J**	590000 U	**130 J**	550 U	970 UJ	**800 J**		**2300 J**	470 U
NAPHTHALENE	ug/kg	**30 J**	370 U	**250 J**	**390000**	**130 J**	**3000 J**	**30 J**	440 U	**2700 J**	460 U	**3500 J**	**2600 J**	**28 J**	**280 J**	**160 J**	**3600000**	**4000**	**49 J**	970 UJ	**140 J**		**2700 J**	470 U
PHENANTHRENE	ug/kg	**160 J**	370 U	**95 J**	**350000**	**67 J**	**13000 J**	**41 J**	440 U	**58000 J**	**96 J**	**31000 J**	**43000**	**230 J**	**2800 J**	**850**	**1400000**	**3600**	**45 J**	**100 J**	**1300 J**		**23000**	470 U
PYRENE	ug/kg	**71 J**	370 U	1100 UJ	**150000**	**30 J**	**11000 J**	**89 J**	**40 J**	**44000 J**	**120 J**	**20000 J**	**33000**	**210 J**	**5000 J**	**820**	**460000 J**	**1400**	**37 J**	**97 J**	**2400 J**		**14000**	**24 J**
TOTAL PAHS	ug/kg	**594**		**553**	**1998300**	**343**	**76650**	**335**	**66**	**283100**	**544**	**165000**	**218600**	**1285**	**32100**	**5860**	**11478000**	**21414**	**217**	**382**	**16680**		**123240**	**24**
SVOC																								
1,1-BIPHENYL	ug/kg	560 U	370 U	1100 UJ	**38000**	550 U	**320 J**	410 U	440 U	10000 UJ	460 U	3400 UJ	3200 U	450 U	3900 UJ	450 U	**200000 J**	**320 J**	550 U	970 UJ	880 UJ		**410 J**	470 U
2,2-OXYBIS(1-CHLOROPROPANE)	ug/kg	560 U	370 U	1100 UJ	33000 U	550 U	1700 UJ	410 U	440 U	10000 UJ	460 U	3400 UJ	3200 U	450 U	3900 UJ	450 U	590000 U	470 U	550 U	970 UJ	880 UJ		3200 U	470 U
2,4,5-TRICHLOROPHENOL	ug/kg	560 U	370 U	1100 UJ	33000 U	550 U	1700 UJ	410 U	440 U	10000 UJ	460 U	3400 UJ	3200 U	450 U	3900 UJ	450 U	590000 U	470 U	550 U	970 UJ	880 UJ		3200 U	470 U
2,4,6-TRICHLOROPHENOL	ug/kg	560 U	370 U	1100 UJ	33000 U	550 U	1700 UJ	410 U	440 U	10000 UJ	460 U	3400 UJ	3200 U	450 U	3900 UJ	450 U	590000 U	470 U	550 U	970 UJ	880 UJ		3200 U	470 U
2,4-DICHLOROPHENOL	ug/kg	560 U	370 U	1100 UJ	33000 U	550 U	1700 UJ	410 U	440 U	10000 UJ	460 U	3400 UJ	3200 U	450 U	3900 UJ	450 U	590000 U	470 U	550 U	970 UJ	880 UJ		3200 U	470 U
2,4-DIMETHYLPHENOL	ug/kg	560 U	370 U	1100 UJ	33000 U	550 U	1700 UJ	410 U	440 U	10000 UJ	460 U	3400 UJ	3200 U	450 U	3900 UJ	450 U	590000 U	470 U	550 U	970 UJ	880 UJ		3200 U	470 U
2,4-DINITROPHENOL	ug/kg	2900 U	1900 U	5800 UJ	170000 U	2900 U	8600 UJ	2100 U	2200 U	53000 UJ	2400 UJ	17000 UJ	17000 UJ	2300 UJ	20000 UJ	2300 UJ	3000000 U	2400 U	2800 U	5000 UJ	4500 UJ		17000 U	2400 U
2,4-DINITROTOLUENE	ug/kg	560 U	370 U	1100 U	33000 U	550 U	1700 UJ	410 U	440 U	10000 UJ	460 U	3400 UJ	3200 U	450 U	3900 UJ	450 U	590000 U	470 U	550 U	970 UJ	880 UJ		3200 U	470 U
2,6-DINITROTOLUENE	ug/kg	560 U	370 U	1100 UJ	33000 U	550 U	1700 UJ	410 U	440 U	10000 UJ	460 U	3400 UJ	3200 U	450 U	3900 UJ	450 U	590000 U	470 U	550 U	970 UJ	880 UJ		3200 U	470 U
2-CHLORONAPHTHALENE	ug/kg	560 U	370 U	1100 UJ	33000 U	550 U	1700 UJ	410 U	440 U	10000 UJ	460 U	3400 UJ	3200 U	450 U	3900 UJ	450 U	590000 U	470 U	550 U	970 UJ	880 UJ		3200 U	470 U
2-CHLOROPHENOL	ug/kg	560 U	370 U	1100 UJ	33000 U	550 U	1700 UJ	410 U	440 U	10000 UJ	460 U	3400 UJ	3200 U	450 U	3900 UJ	450 U	590000 U	470 U	550 U	970 UJ	880 UJ		3200 U	470 U
2-METHYLPHENOL	ug/kg	560 U	370 U	1100 UJ	33000 U	550 U	1700 UJ	410 U	440 U	10000 UJ	460 U	3400 UJ	3200 U	450 U	3900 UJ	450 U	590000 U	470 U	550 U	970 UJ	880 UJ		3200 U	470 U
2-NITROANILINE	ug/kg	2900 U	1900 U	5800 UJ	170000 U	2900 U	8600 UJ	2100 U	2200 U	53000 UJ	2400 U	17000 UJ	17000 U	2300 U	20000 UJ	2300 U	3000000 U	2400 U	2800 U	5000 UJ	4500 UJ		17000 U	2400 U
2-NITROPHENOL	ug/kg	560 U	370 U	1100 UJ	33000 U	550 U	1700 UJ	410 U	440 U	10000 UJ	460 U	3400 UJ	3200 U	450 U	3900 UJ	450 U	590000 U	470 U	550 U	970 UJ	880 UJ		3200 U	470 U
3,3-DICHLOROBENZIDINE	ug/kg	560 U	370 U	1100 UJ	33000 U	550 U	1700 UJ	410 U	440 U	10000 UJ	460 U	3400 UJ	3200 U	450 U	3900 UJ	450 U	590000 U	470 U	550 U	970 UJ	880 UJ		3200 U	470 U
3-NITROANILINE	ug/kg	2900 U	1900 U	5800 UJ	170000 U	2900 U	8600 UJ	2100 U	2200 U	53000 UJ	2400 U	17000 UJ	17000 U	2300 U	20000 UJ	2300 U	3000000 U	2400 U	2800 U	5000 UJ	4500 UJ		17000 U	2400 U
4,6-DINITRO-2-METHYLPHENOL	ug/kg	2900 U	1900 U	5800 UJ	170000 U	2900 U	8600 UJ	2100 U	2200 U	53000 UJ	2400 U	17000 UJ	17000 U	2300 U	20000 UJ	2300 U	3000000 U	2400 U	2800 U	5000 UJ	4500 UJ		17000 U	2400 U
4-BROMOPHENYL PHENYL ETHER	ug/kg	560 U	370 U	1100 UJ	33000 U	550 U	1700 UJ	410 U	440 U	10000 UJ	460 U	3400 UJ	3200 U	450 U	3900 UJ	450 U	590000 U	470 U	550 U	970 UJ	880 UJ		3200 U	470 U
4-CHLORO-3-METHYLPHENOL	ug/kg	560 U	370 U	1100 UJ	33000 U	550 U	1700 UJ	410 U	440 U	10000 UJ	460 U	3400 UJ	3200 U	450 U	3900 UJ	450 U	590000 U	470 U	550 U	970 UJ	880 UJ		3200 U	470 U
4-CHLOROANILINE	ug/kg	560 U	370 U	1100 UJ	33000 U	550 U	1700 UJ	410 U	440 U	10000 UJ	460 U	3400 UJ	3200 U	450 U	3900 UJ	450 U	590000 U	470 U	550 U	970 UJ	**80 J**		3200 U	470 U
4-CHLOROPHENYL PHENYL ETHER	ug/kg	560 U	370 U	1100 UJ	33000 U	550 U	1700 UJ	410 U	440 U	10000 UJ	460 U	3400 UJ	3200 U	450 U	3900 UJ	450 U	590000 U	470 U	550 U	970 UJ	880 UJ		3200 U	470 U
4-METHYLPHENOL (P-CRESOL)	ug/kg	560 U	370 U	1100 U	33000 U	550 U	1700 UJ	410 U	440 U	10000 UJ	460 U	3400 UJ	3200 U	450 U	3900 UJ	450 U	590000 U	470 U	550 U	970 UJ	880 UJ		3200 U	470 U
4-NITROANILINE	ug/kg	2900 U	1900 U	5800 UJ	170000 U	2900 U	8600 UJ	2100 U	2200 U	53000 UJ	2400 U	17000 UJ	17000 U	2300 U	20000 UJ	2300 U	3000000 U	2400 U	2800 U	5000 UJ	4500 UJ		17000 U	2400 U
4-NITROPHENOL	ug/kg	2900 U	1900 U	5800 UJ	170000 U	2900 U	8600 UJ	2100 U	2200 U	53000 UJ	2400 U	17000 UJ	17000 U	2300 U	20000 UJ	2300 U	3000000 U	2400 U	2800 U	5000 UJ	4500 UJ		17000 U	2400 U
ACETOPHENONE	ug/kg	560 U	370 U	1100 UJ	33000 U	550 U	1700 UJ	410 U	440 U	10000 UJ	460 U	3400 UJ	3200 U	450 U	3900 UJ	450 U	590000 U	470 U	550 U	970 UJ	880 UJ		3200 U	470 U
ATRAZINE	ug/kg	560 UJ	370 UJ	1100 UJ	33000 UJ	550 UJ	1700 UJ	410 UJ	440 UJ	10000 UJ	460 U	3400 UJ	3200 U	450 U	3900 UJ	450 U	590000 U	470 UJ	550 UJ	970 UJ	880 UJ		3200 U	470 UJ
BENZALDEHYDE	ug/kg	560 UJ	370 UJ	1100 UJ	33000 UJ	550 UJ	1700 UJ	410 UJ	440 UJ	10000 UJ	460 UJ	3400 UJ	3200 UJ	450 UJ	3900 UJ	450 UJ	590000 UJ	470 UJ	550 UJ	970 UJ	**190 J**		3200 UJ	470 UJ
BIS(2-CHLOROETHOXY)METHANE	ug/kg	560 U	370 U	1100 UJ	33000 U	550 U	1700 UJ	410 U	440 U	10000 UJ	460 U	3400 UJ	3200 U	450 U	3900 UJ	450 U	590000 U	470 U	550 U	970 UJ	880 UJ		3200 U	470 U
BIS(2-CHLOROETHYL) ETHER	ug/kg	560 U	370 U	1100 UJ	33000 U	550 U	1700 UJ	410 U	440 U	10000 UJ	460 U	3400 UJ	3200 U	450 U	3900 UJ	450 U	590000 U	470 U	550 U	970 UJ	880 UJ		3200 U	470 U
BIS(2-ETHYLHEXYL) PHTHALATE	ug/kg	560 U	370 U	**180 J**	33000 U	550 U	1700 UJ	410 U	440 U	10000 UJ	460 U	**610 J**	3200 U	450 U	**1700 J**	**96 J**	590000 U	470 U	550 U	970 UJ	**1100 J**		3200 U	470 U
BUTYLBENZYLPHTHALATE	ug/kg	560 U	370 U	1100 UJ	33000 U	550 U	1700 UJ	410 U	440 U	10000 UJ	460 U	3400 UJ	3200 U	450 U	3900 UJ	450 U	590000 U	470 U	550 U	970 UJ	**190 J**		3200 U	470 U
CAPROLACTAM	ug/kg	560 U	370 U	1100 UJ	33000 U	550 U	1700 UJ	410 U	440 U	10000 UJ	460 U	3400 UJ	3200 U	450 U	3900 UJ	450 U	590000 U	470 U	550 U	970 UJ	880 UJ		3200 U	470 U
CARBAZOLE	ug/kg	560 U	370 U	1100 UJ	**2800 J**	550 U	1700 UJ	410 U	440 U	10000 UJ	460 U	3400 UJ	3200 U	450 U	3900 UJ	450 U	590000 U	**37 J**	550 U	970 UJ	**99 J**		3200 U	470 U
DIBENZOFURAN	ug/kg	560 U	370 U	1100 UJ	**9800 J**	550 U	**290 J**	410 U	440 U	10000 UJ	460 U	**810 J**	**750 J**	450 U	3900 UJ	450 U	**66000 J**	**130 J**	550 U	970 UJ	880 UJ		**840 J**	470 U
DIETHYL PHTHALATE	ug/kg	560 U	370 U	1100 UJ	33000 U	550 U	1700 UJ	410 U	440 U	10000 UJ	460 U	3400 UJ	3200 U	450 U	3900 UJ	450 U	590000 U	470 U	550 U	970 UJ	880 UJ		3200 U	470 U
DIMETHYLPHTHALATE	ug/kg	560 U	370 U	1100 UJ	33000 U	550 U	1700 UJ	410 U	440 U	10000 UJ	460 U	3400 UJ	3200 U	450 U	3900 UJ	450 U	590000 U	470 U	550 U	970 UJ	880 UJ		3200 U	470 U
DI-N-BUTYL PHTHALATE	ug/kg	560 U	370 U	1100 UJ	33000 U	550 U	1700 UJ	410 U	440 U	10000 UJ	460 U	3400 UJ	3200 U	450 U	3900 UJ	450 U	590000 U	470 U	550 U	970 UJ	880 UJ		3200 U	470 U
DI-N-OCTYL PHTHALATE	ug/kg	560 U	370 U	1100 UJ	33000 U	550 U	1700 UJ	410 U	440 U	10000 UJ	460 U	3400 UJ	3200 U	450 U	3900 UJ	450 U	590000 U	470 U	550 U	970 UJ	880 UJ		3200 U	470 U
HEXACHLORO-1,3-BUTADIENE	ug/kg	560 U	370 U	1100 UJ	33000 U	550 U	1700 UJ	410 U	440 U	10000 UJ	460 U	3400 UJ	3200 U	450 U	3900 UJ	450 U	590000 U	470 U	550 U	970 UJ	880 UJ		3200 U	470 U
HEXACHLOROBENZENE	ug/kg	560 U	370 U	1100 UJ	33000 U	550 U	1700 UJ	410 U	440 U	10000 UJ	460 U	3400 UJ	3200 U	450 U	3900 UJ	450 U	590000 U	470 U	550 U	970 UJ	880 UJ		3200 U	470 U
HEXACHLOROCYCLOPENTADIENE	ug/kg	560 U	370 U	1100 UJ	33000 UJ	550 UJ	1700 UJ	410 UJ	440 UJ	10000 UJ	460 U	3400 UJ	3200 UJ	450 UJ	3900 UJ	450 UJ	590000 U	470 UJ	550 UJ	970 UJ	880 UJ		3200 U	470 UJ
HEXACHLOROETHANE	ug/kg	560 U	370 U	1100 UJ	33000 U	550 U	1700 UJ	410 U	440 U	10000 UJ	460 U	3400 UJ	3200 U	450 U	3900 UJ	450 U	590000 U	470 U	550 U	970 UJ	880 UJ		3200 U	470 U
ISOPHORONE	ug/kg	560 U	370 U	1100 UJ	33000 U	550 U	1700 UJ	410 U	440 U	10000 UJ	460 U	3400 UJ	3200 U	450 U	3900 UJ	450 U	590000 U	470 U	550 U	970 UJ	880 UJ		3200 U	470 U
NITROBENZENE	ug/kg	560 U	370 U	1100 UJ	33000 U	550 U	1700 UJ	410 U	440 U	10000 UJ	460 U	3400 UJ	3200 U	450 U	3900 UJ	450 U	590000 U	470 U	550 U	970 UJ	880 UJ		3200 U	470 U
N-NITROSODI-N-PROPYLAMINE	ug/kg	560 U	370 U	1100 UJ	33000 U	550 U	1700 UJ	410 U	440 U	10000 UJ	460 U	3400 UJ	3200 U	450 U	3900 UJ	450 U	590000 U	470 U	550 U	970 UJ	880 UJ		3200 U	470 U
N-NITROSODIPHENYLAMINE	ug/kg	560 U	370 U	1100 UJ	33000 U	550 U	1700 UJ	410 U	440 U	10000 UJ	460 U	3400 UJ	3200 U	450 U	3900 UJ	450 U	590000 U	470 U	550 U	970 UJ	880 UJ		3200 U	470 U
PENTACHLOROPHENOL	ug/kg	2900 U	1900 U	5800 UJ	170000 U	2900 U	8600 UJ	2100 U	2200 U	53000 UJ	2400 U	17000 UJ	17000 U	2300 U	20000 UJ	2300 U	3000000 U	2400 U	2800 U	5000 UJ	4500 UJ		17000 U	2400 U
PHENOL	ug/kg	560 U	370 U	1100 UJ	33000 U	550 U	1700 UJ	410 U	440 U	10000 UJ	460 U	3400 UJ	3200 U	450 U	3900 UJ	450 U	590000 U	470 U	550 U	970 UJ	880 UJ		3200 U	470 U
TOTAL SVOCs (Including PAHs)	ug/kg	**594**		**733**	**2048900**	**343**	**77260**	**335**	**66**	**283100**	**544**	**166420**	**219350**	**1285**	**33800**	**5956**	**11744000**	**21901**	**217**	**382**	**18339**		**124490**	**24**

Criteria Source:
NYSDEC 1998. New York State Ambient Water Quality Standards and G

Notes:
J = Estimated Value
R = Rejected Value
U = Not Detected
Indicates a Total PAH concentration in exceedance of the Effects R

Appendix C

Sediment Physical Parameters Analytical Data Summary

Provided on CD

ATLANTIC TESTING LABORATORIES

Canton
6431 U.S. Highway 11
P.O. Box 29
Canton, NY 13617
315-386-4578 (T)
315-386-1012 (F)

February 19, 2008

ENSR
2 Technology Park Drive
Westford, MA 01886

Attn: Mr. Scott Olsen

Re: Laboratory Services
Former MGP Facility
Peekskill Bay – Hudson River
Town of Peekskill, Westchester County, New York
ATL Project No.: CD2765

Ladies/Gentlemen:

On December 14, 2007, the samples for the referenced project arrived at our Canton, New York Facility, for testing. The following analyses were performed:

- ASTM D 422 Standard Test Method of Particle Size Analysis of Soils,
- ASTM D 854 Standard Test Method for Specific Gravity of Soil Solids by Water Pycnometer, ASTM D 2216 Standard Test Methods for Laboratory Determination of Water (Moisture) Content of Soil and Rock by Mass
- ASTM D 4318 Standard Test Methods for Liquid Limit, Plastic Limit, and Plasticity Index of Soils
- ASTM D 4972 Standard Test Method for pH of Soils
- EM-1110-2-1906, Appendix II Unit Weight.

Analysis of soil for EPA 9060 A TOC Total Organic Carbon was submitted to Environmental Laboratory Services, NYS ELAP #11375. A tabulation of the results is attached.

Please contact our office should you have any questions or if we may be of further service.

Sincerely,
ATLANTIC TESTING LABORATORIES, Limited

Ryan C. Armstrong, CET
Project Manager

RCA/AJS/mng

Enclosures

ATLANTIC TESTING LABORATORIES

Client: ENSR
Project: Former MGP Facility

ATL Project No.: CD2765
Date: February 19, 2008

Field Sample Identification	ATL Sample Identification	Atterberg Limits			Specific Gravity	Dry Density	Moisture Content	ph	Total Organic Carbon (mg/kg)	Particle Size
		Liquid Limit	Plastic Limit	Plasticity Index						
SD17 (4-5)	CD2765S1	29	18	11	2.78	--	31.8	--	--	See Report
SD17 (12-14)	CD2765S2	NP	NP	NP	2.76	--	27.2	8.2	1900	See Report
SD18 (0-2)	CD2765S3	85	43	42	2.57	--	122.8	--	--	See Report
SD22 (13-15)	CD2765S4	139	76	60	2.72	--	165.9	--	--	See Report
SD23 (25-27)	CD2765S5	97	42	55	2.69	--	87.8	7.5	55000	See Report
SD22 (7-9)	CD2765S6	75	43	32	2.67	--	72.5	--	--	See Report
SD23 (3-5)	CD2765S7	101	45	56	2.66	--	148.3	--	--	See Report
SD24 (6-8)	CD2765S8	83	43	40	3.24	--	117.6	7.1	46000	See Report
SD24 (8-10)	CD2765S9	NP	NP	NP	2.19	--	18.7	--	--	See Report
SD19 (6-8)	CD2765S10	27	23	4	2.68	--	37.4	8.2	7200	See Report
SD23 (5-7)	CD2765S11	--	--	--	--	100.2	61.9	--	--	--
SD24 (22-24)	CD2765S12	--	--	--	--	102.6	20.3	--	--	--

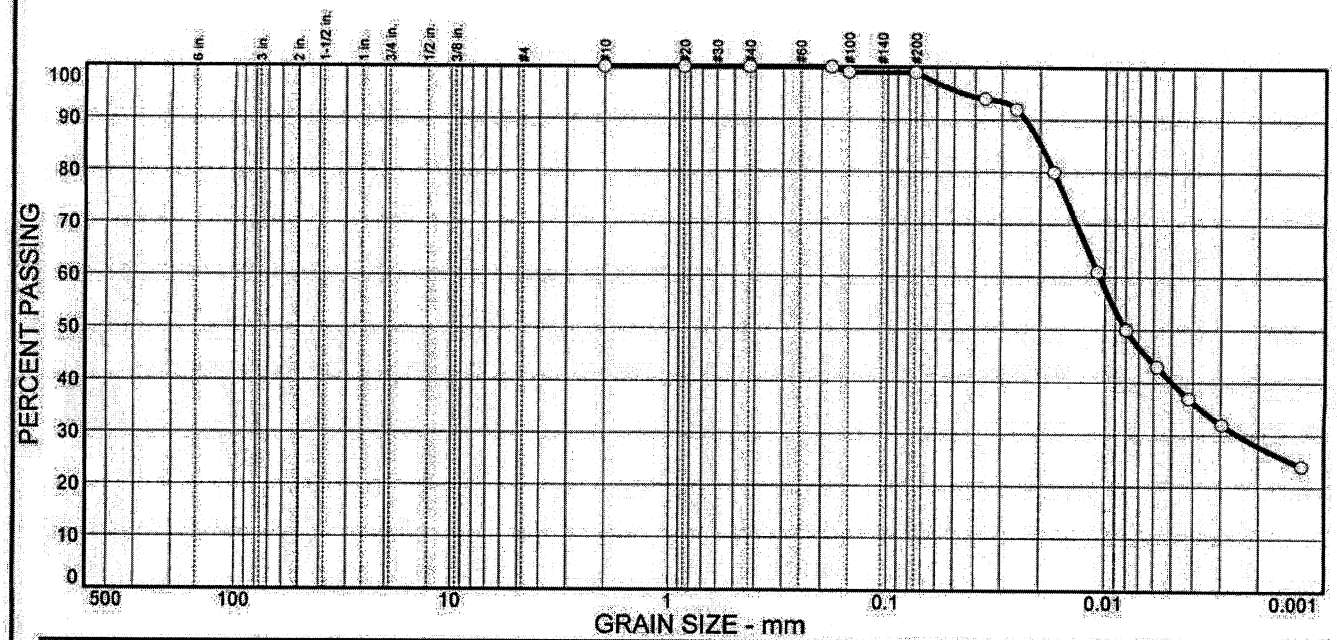
Particle Size Distribution Report

Project: Former MGP Facility **Report No.:** CD2765SL-01-02-08

Client: ENSR **Date:** 2/1/08

Sample No: CD2765S1 **Source of Sample:** Boring Samples

Location: SD 17 (4-5) **Elev./Depth:** 4 - 5'



% COBBLES	% GRAVEL		% SAND			% FINES	
	CRS.	FINE	CRS.	MEDIUM	FINE	SILT	CLAY
0	0	0	0	0	1	59	40

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	OUT OF SPEC. (X)
#10	100		
#20	100		
#40	100		
#80	100		
#100	99		
#200	99		

Soil Description

Brown SILT; and CLAY; trace f SAND

Atterberg Limits

PL= LL= PI=

Coefficients

D_{85}= 0.0197 D_{60}= 0.0106 D_{50}= 0.0080

D_{30}= 0.0025 D_{15}= D_{10}=

C_u= C_c=

Classification

USCS= AASHTO=

Remarks

* (no specification provided)

ATLANTIC TESTING LABORATORIES, LIMITED

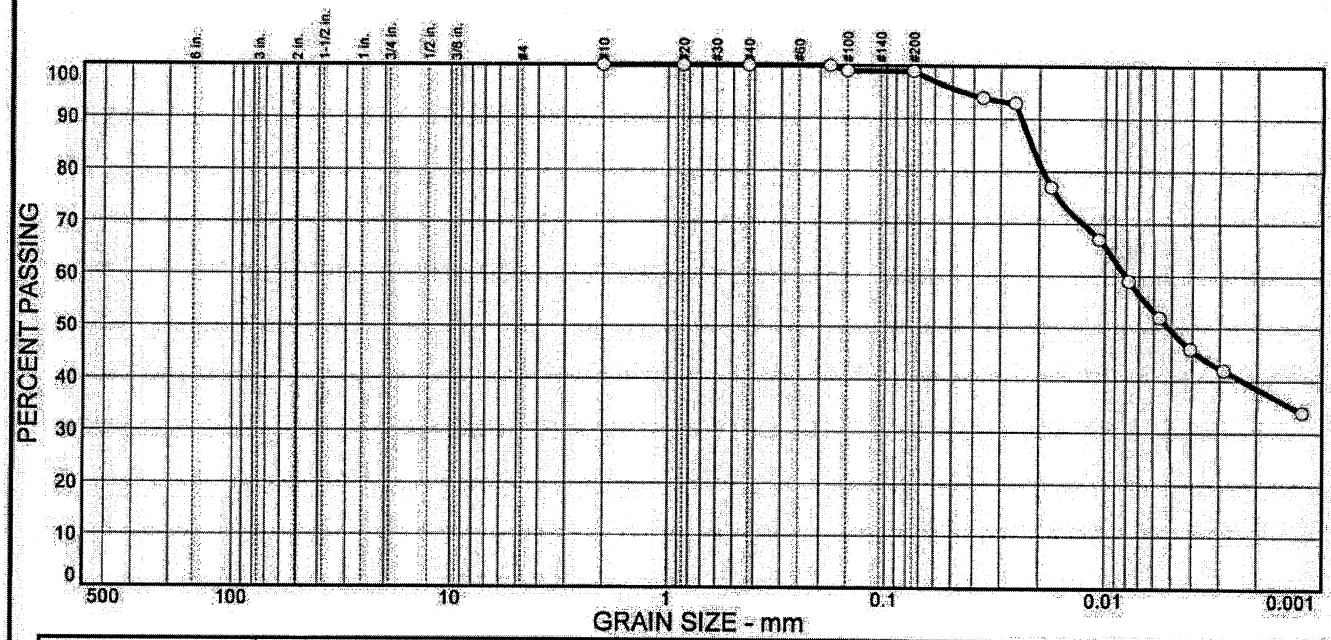
Reviewed by: Ryan A Ty Date: 2/19/08

Particle Size Distribution Report

Project: Former MGP Facility **Report No.:** CT2765SL-02-02-08

Client: ENSR **Date:** 2/01/08

Sample No: CD2765S2 **Source of Sample:** Boring Samples
Location: SD 17 (12-14) **Elev./Depth:** 12 - 14'



% COBBLES	% GRAVEL		% SAND			% FINES	
	CRS.	FINE	CRS.	MEDIUM	FINE	SILT	CLAY
0	0	0	0	0	1	50	49

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	OUT OF SPEC. (X)
#10	100		
#20	100		
#40	100		
#80	100		
#100	99		
#200	99		

Soil Description

Brown SILT; and CLAY; trace f SAND

Atterberg Limits

PL= LL= PI=

Coefficients

D_{85}= 0.0217 D_{60}= 0.0081 D_{50}= 0.0051
D_{30}= D_{15}= D_{10}=
C_u= C_c=

Classification

USCS= AASHTO=

Remarks

* (no specification provided)

ATLANTIC TESTING LABORATORIES, LIMITED

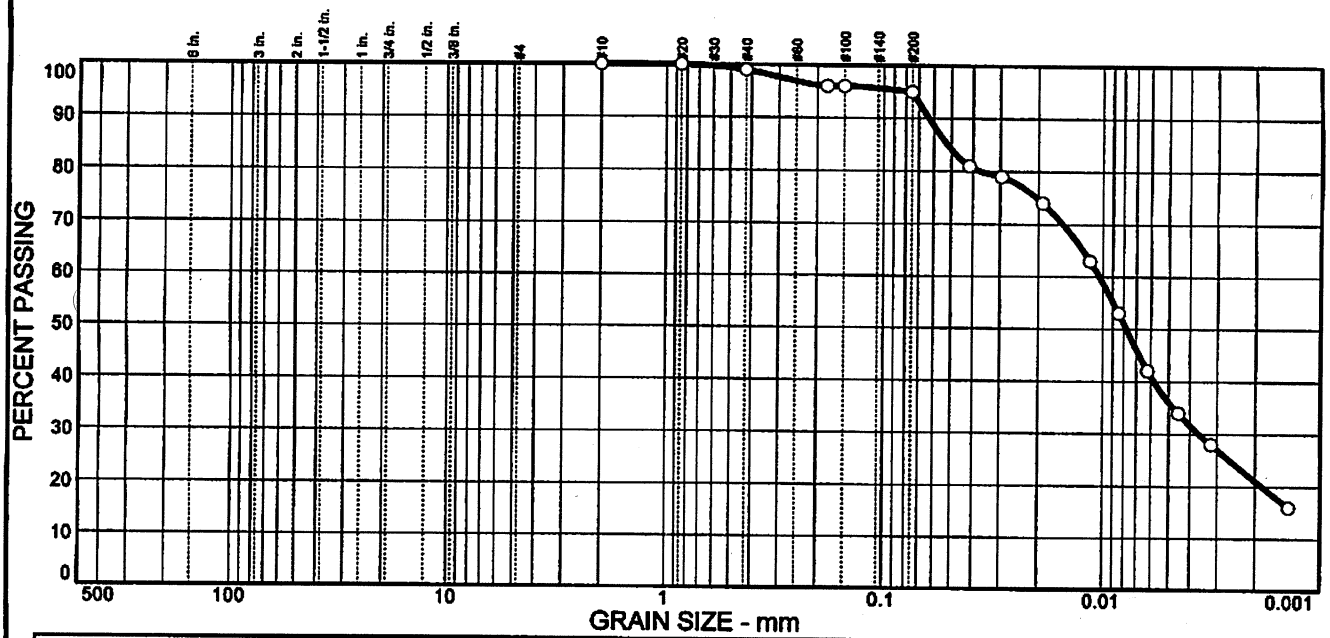
Reviewed by: Ryan Autry Date: 2/19/08

Particle Size Distribution Report

Project: Former MGP Facility **Report No.:** CD2765SL-03-02-08

Client: ENSR **Date:** 02/01/08

Sample No: CD2765S3 **Source of Sample:** Boring Samples
Location: SD 18 (0-2) **Elev./Depth:** 0 - 2'



% COBBLES	% GRAVEL		% SAND			% FINES	
	CRS.	FINE	CRS.	MEDIUM	FINE	SILT	CLAY
0	0	0	0	1	4	59	36

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	OUT OF SPEC. (X)
#10	100		
#20	100		
#40	99		
#80	96		
#100	96		
#200	95		

* (no specification provided)

Soil Description

Grey SILT; and CLAY; trace mf SAND

Atterberg Limits

PL= LL= PI=

Coefficients

D_{85}= 0.0519 D_{60}= 0.0104 D_{50}= 0.0078
D_{30}= 0.0036 D_{15}= D_{10}=
C_u= C_c=

Classification

USCS= AASHTO=

Remarks

ATLANTIC TESTING LABORATORIES, LIMITED

Reviewed by: Ryan Autry Date: 2/19/08

Particle Size Distribution Report

Project: Former MGP Facility

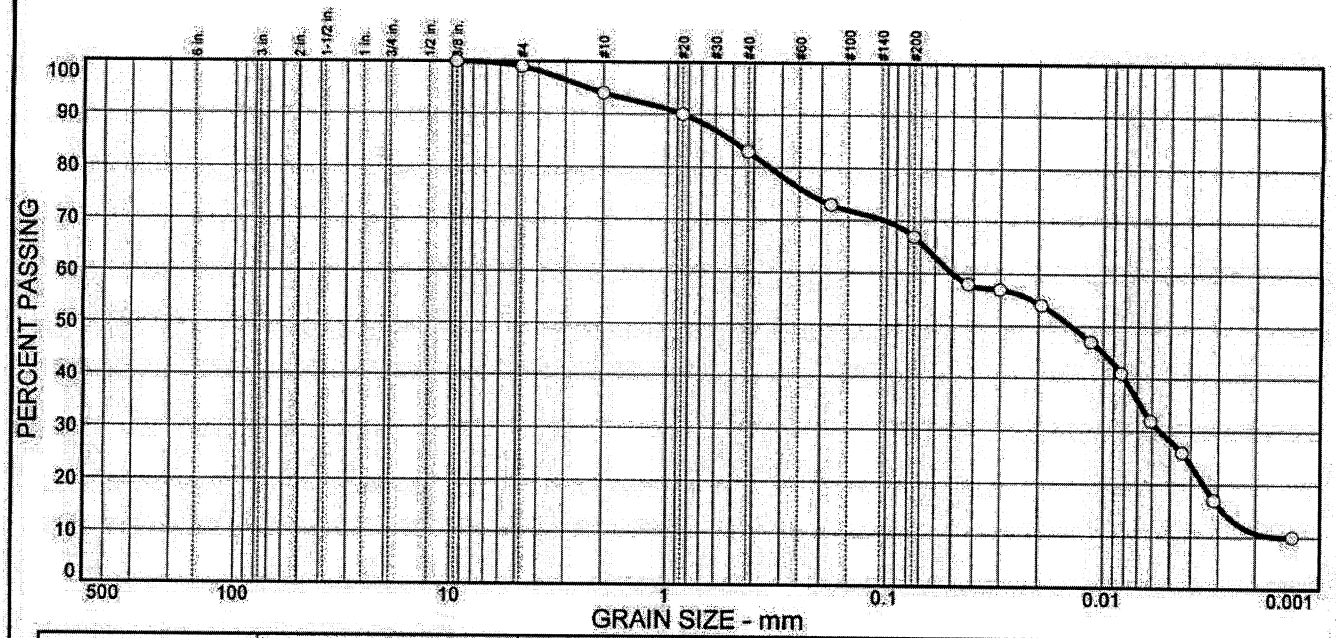
Report No.: CD2765SL-04-02-08

Client: ENSR

Date: 02/01/08

Sample No: CD2765S4 **Source of Sample:** Boring Samples

Location: SD 22 (13-15) **Elev./Depth:** 13 - 15'



% COBBLES	% GRAVEL		% SAND			% FINES	
	CRS.	FINE	CRS.	MEDIUM	FINE	SILT	CLAY
0	0	1	5	11	16	39	28

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	OUT OF SPEC. (X)
3/8 in.	100		
#4	99		
#10	94		
#20	90		
#40	83		
#80	73		
#200	67		

* (no specification provided)

Soil Description

Grey SILT; some c-mf SAND; some CLAY; trace f GRAVEL

Atterberg Limits

PL= LL= PI=

Coefficients

D_{85}= 0.501 D_{60}= 0.0499 D_{50}= 0.0141
D_{30}= 0.0055 D_{15}= 0.0029 D_{10}= 0.0013
C_u= 37.11 C_c= 0.45

Classification

USCS= AASHTO=

Remarks

ATLANTIC TESTING LABORATORIES, LIMITED

Reviewed by: Ryan A Ty

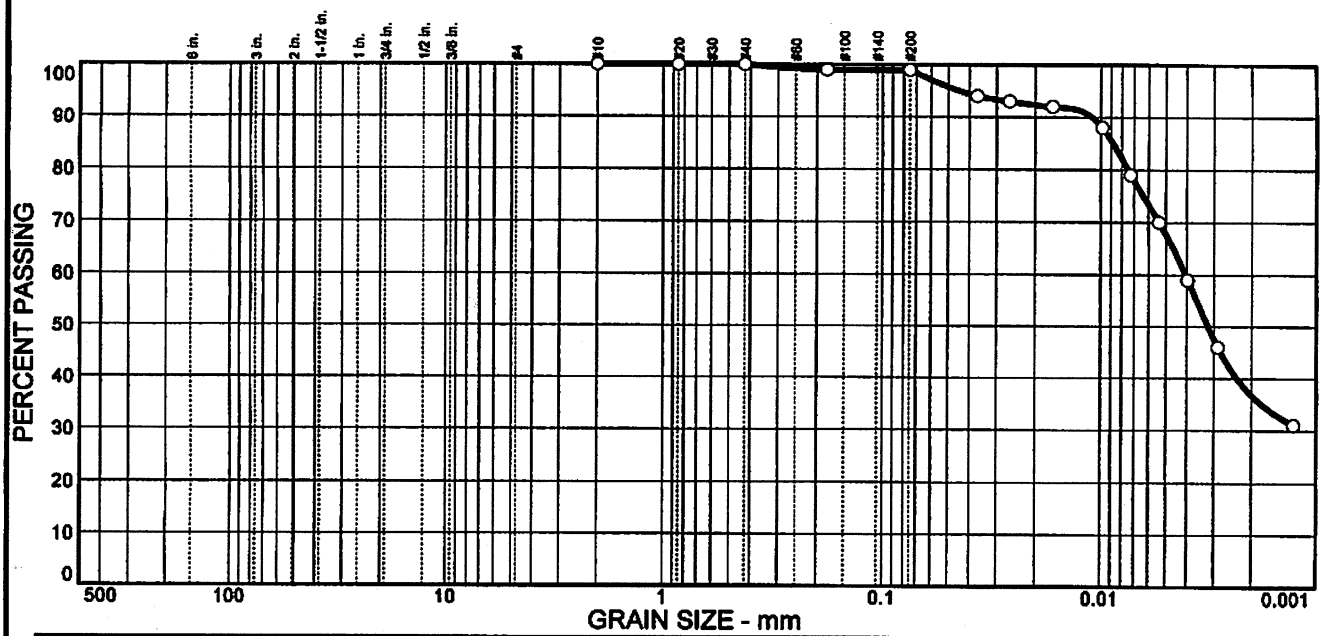
Date: 2/19/08

Particle Size Distribution Report

Project: Former MGP Facility **Report No.:** CD2765SL-05-02-08

Client: ENSR **Date:** 02/01/08

Sample No: CD2765S5 **Source of Sample:** Boring Samples
Location: SD 23 (25-27) **Elev./Depth:** 25 - 27'



% COBBLES	% GRAVEL		% SAND			% FINES	
	CRS.	FINE	CRS.	MEDIUM	FINE	SILT	CLAY
0	0	0	0	0	1	31	68

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	OUT OF SPEC. (X)
#10	100		
#20	100		
#40	100		
#80	99		
#200	99		

Soil Description

Grey CLAY; some SILT; trace f SAND

Atterberg Limits

PL= LL= PI=

Coefficients

D_{85}= 0.0088 D_{60}= 0.0041 D_{50}= 0.0032
D_{30}= D_{15}= D_{10}=
C_u= C_c=

Classification

USCS= AASHTO=

Remarks

* (no specification provided)

ATLANTIC TESTING LABORATORIES, LIMITED

Reviewed by: Ryan Autry Date: 2/19/08

Particle Size Distribution Report

Project: Former MGP Facility

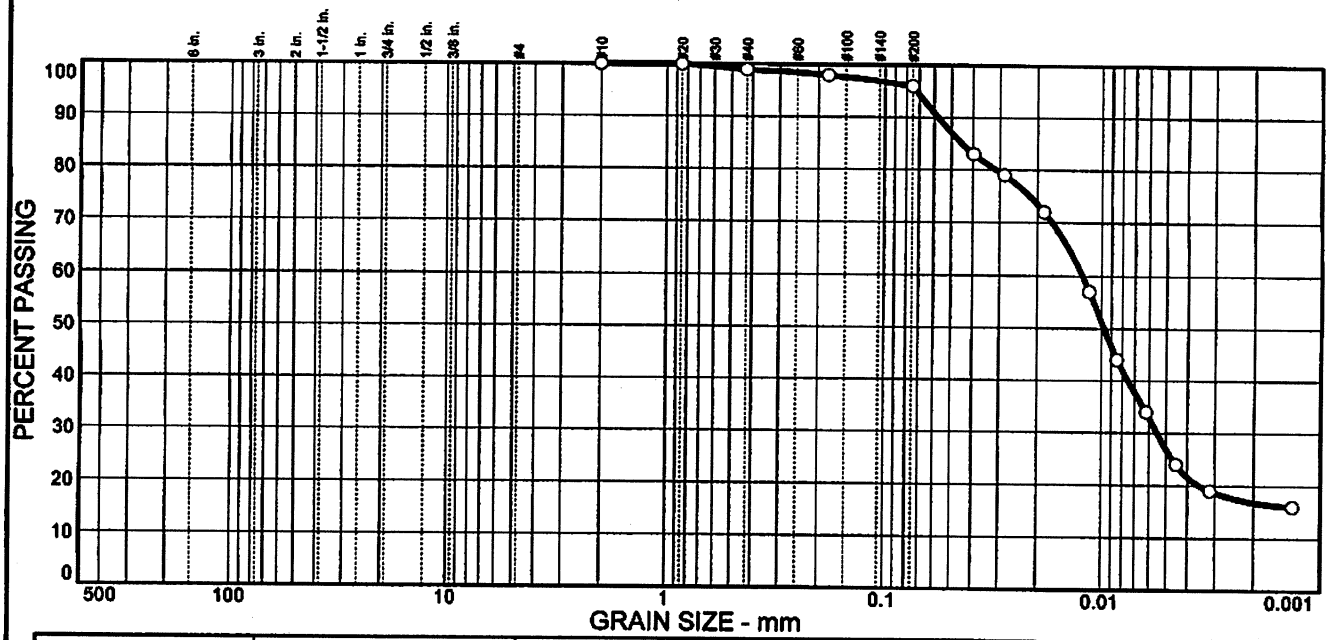
Report No.: CD2765SL-06-02-08

Client: ENSR

Date: 02/01/08

Sample No: CD2765S6 **Source of Sample:** Boring Samples

Location: SD 22 (7-9) **Elev./Depth:** 7 - 9'



% COBBLES	% GRAVEL		% SAND			% FINES	
	CRS.	FINE	CRS.	MEDIUM	FINE	SILT	CLAY
0	0	0	0	1	3	69	27

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	OUT OF SPEC. (X)
#10	100		
#20	100		
#40	99		
#80	98		
#200	96		

* (no specification provided)

Soil Description

Brown SILT; some CLAY; trace mf SAND

Atterberg Limits

PL= LL= PI=

Coefficients

D_{85}= 0.0448 D_{60}= 0.0123 D_{50}= 0.0097

D_{30}= 0.0055 D_{15}= D_{10}=

C_u= C_c=

Classification

USCS= AASHTO=

Remarks

ATLANTIC TESTING LABORATORIES, LIMITED

Reviewed by: Ryan Chutney

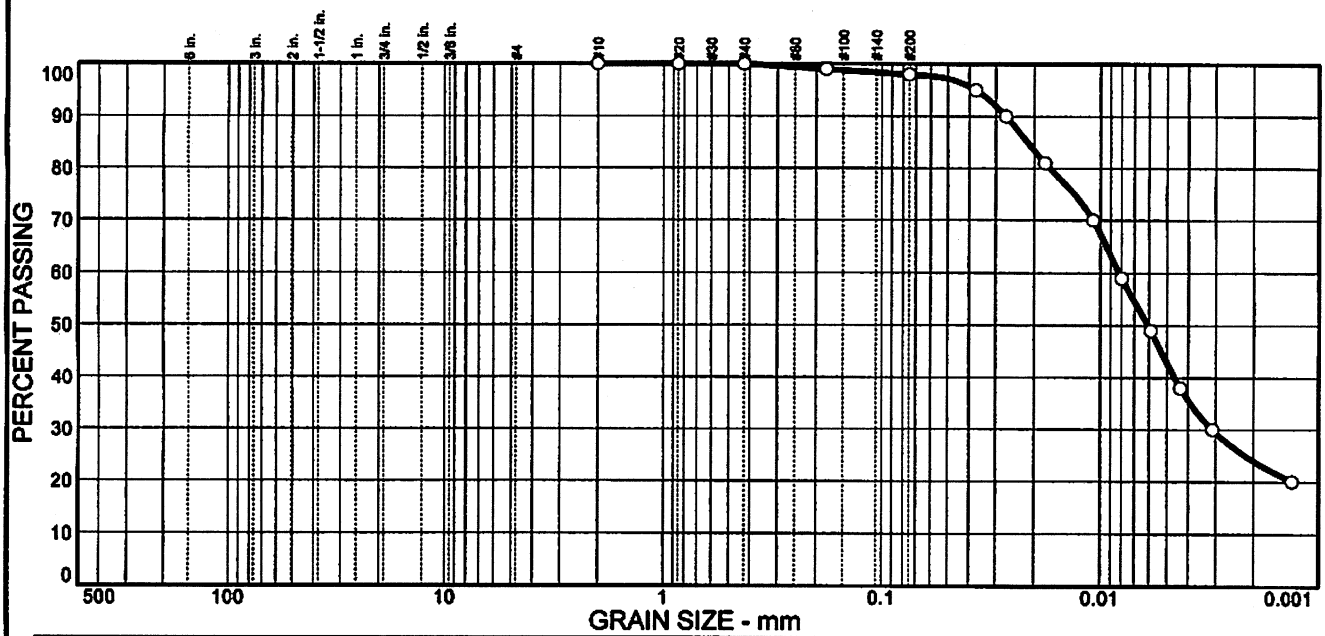
Date: 2/19/08

Particle Size Distribution Report

Project: Former MGP Facility **Report No.:** CD2765SL-07-02-08

Client: ENSR **Date:** 02/01/08

Sample No: CD2765S7 **Source of Sample:** Boring Samples
Location: SD 23 (3-5) **Elev./Depth:** 3 - 5'



% COBBLES	% GRAVEL		% SAND			% FINES	
	CRS.	FINE	CRS.	MEDIUM	FINE	SILT	CLAY
0	0	0	0	0	2	55	43

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	OUT OF SPEC. (X)
#10	100		
#20	100		
#40	100		
#80	99		
#200	98		

Soil Description

Grey SILT; and CLAY; trace f SAND

Atterberg Limits

PL= LL= PI=

Coefficients

D_{85}= 0.0214 D_{60}= 0.0082 D_{50}= 0.0061
D_{30}= 0.0031 D_{15}= D_{10}=
C_u= C_c=

Classification

USCS= AASHTO=

Remarks

* (no specification provided)

ATLANTIC TESTING LABORATORIES, LIMITED

Reviewed by: Ryan Clutz Date: 2/19/08

Particle Size Distribution Report

Project: Former MGP Facility

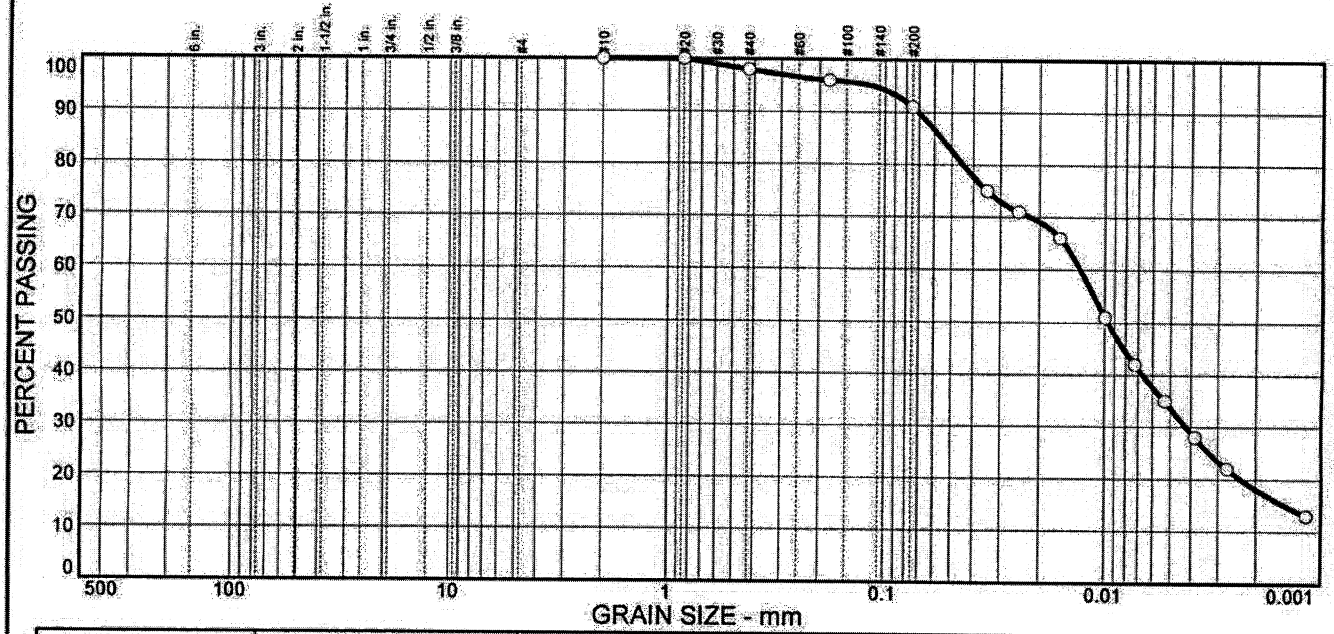
Report No.: CD2765SL-08-02-08

Client: ENSR

Date: 02/01/08

Sample No: CD2765S8 **Source of Sample:** Boring Samples

Location: SD 24 (6-8) **Elev./Depth:** 6 - 8'



% COBBLES	% GRAVEL		% SAND			% FINES	
	CRS.	FINE	CRS.	MEDIUM	FINE	SILT	CLAY
0	0	0	0	2	7	57	34

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	OUT OF SPEC. (X)
#10	100		
#20	100		
#40	98		
#80	96		
#200	91		

* (no specification provided)

Soil Description

Grey SILT; some CLAY; trace mf SAND

Atterberg Limits

PL= LL= PI=

Coefficients

D_{85}= 0.0553 D_{60}= 0.0130 D_{50}= 0.0096

D_{30}= 0.0042 D_{15}= 0.0015 D_{10}=

C_u= C_c=

Classification

USCS= AASHTO=

Remarks

ATLANTIC TESTING LABORATORIES, LIMITED

Reviewed by: Ryan Clutz

Date: 2/19/08

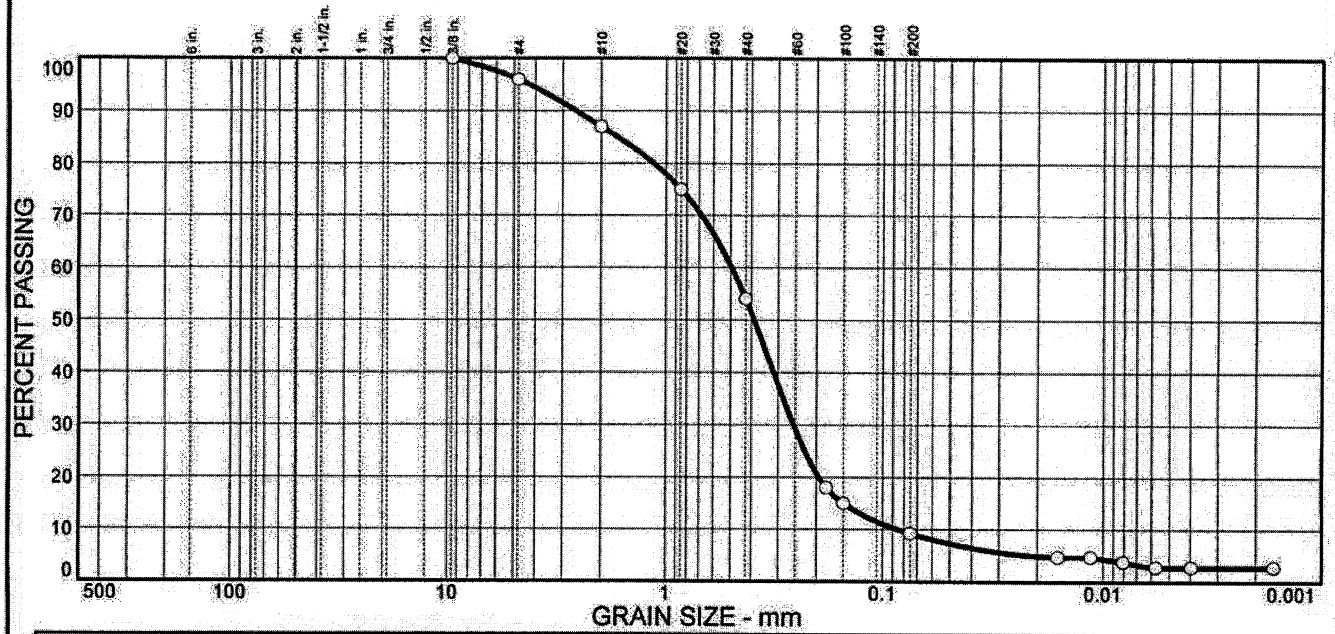
Particle Size Distribution Report

Project: Former MGP Facility **Report No.:** CD2765SL-09-02-08

Client: ENSR **Date:** 02/01/08

Sample No: CD2765S9 **Source of Sample:** Boring Samples

Location: SD 24 (8-10) **Elev./Depth:** 8 - 10'



% COBBLES	% GRAVEL		% SAND			% FINES	
	CRS.	FINE	CRS.	MEDIUM	FINE	SILT	CLAY
0	0	4	9	33	45	6	3

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	OUT OF SPEC. (X)
3/8 in.	100		
#4	96		
#10	87		
#20	75		
#40	54		
#80	18		
#100	15		
#200	9.2		

Soil Description

Grey c-mf SAND; trace SILT; trace f GRAVEL; trace CLAY

Atterberg Limits

PL= LL= PI=

Coefficients

D_{85}= 1.68 D_{60}= 0.495 D_{50}= 0.388

D_{30}= 0.254 D_{15}= 0.150 D_{10}= 0.0858

C_u= 5.76 C_c= 1.52

Classification

USCS= AASHTO=

Remarks

* (no specification provided)

ATLANTIC TESTING LABORATORIES, LIMITED

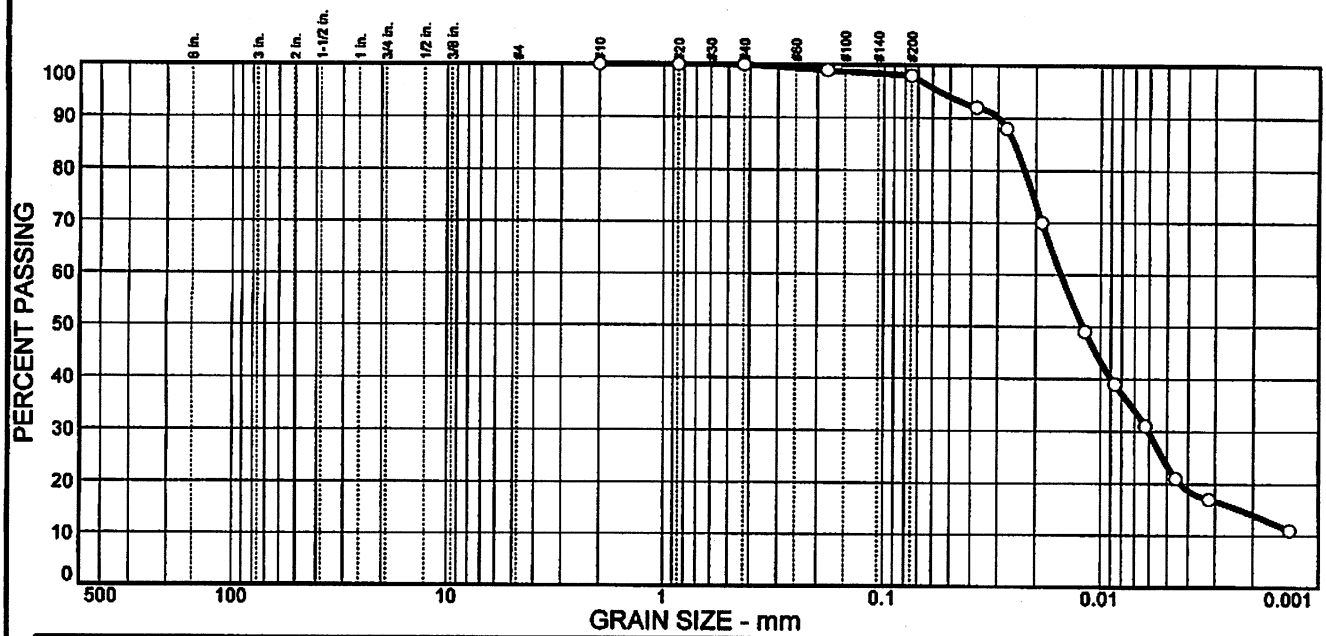
Reviewed by: Ryan Autry Date: 2/19/08

Particle Size Distribution Report

Project: Former MGP Facility **Report No.:** CD2765SL-10-02-08

Client: ENSR **Date:** 02/01/08

Sample No: CD2765S10 **Source of Sample:** Boring Samples
Location: SD 19 (6-8) **Elev./Depth:** 6 - 8'



% COBBLES	% GRAVEL		% SAND			% FINES	
	CRS.	FINE	CRS.	MEDIUM	FINE	SILT	CLAY
0	0	0	0	0	2	74	24

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	OUT OF SPEC. (X)
#10	100		
#20	100		
#40	100		
#80	99		
#200	98		

Soil Description

Grey SILT; some CLAY; trace f SAND

Atterberg Limits

PL= LL= PI=

Coefficients

D_{85}= 0.0251 D_{60}= 0.0153 D_{50}= 0.0121
D_{30}= 0.0061 D_{15}= 0.0023 D_{10}=
C_u= C_c=

Classification

USCS= AASHTO=

Remarks

* (no specification provided)

ATLANTIC TESTING LABORATORIES, LIMITED

Reviewed by: Ryan Clutting Date: 2/19/08

Environmental
LABORATORY SERVICES

7280 Caswell Street, Hancock Air Park, North Syracuse, NY 13212
(315) 458-8033, FAX (315) 458-0526, (800) 842-4667

Massachusetts
New Jersey
New York
Pennsylvania

Laboratory Analysis Report

ATLANTIC TESTING LABORATORIES
P.O. Box 29
6431 U.S. Highway 11
Canton, NY 13617
ATTN: Mr. Ryan Armstrong

PO#: 68672

PROJECT #: 227322
RECEIVED: 02/05/2008 @ 09:45

Site Address:
ENSR/AECOM
CONEDISON-PEMART AVE.
PEEKSKILL,NY

CLIENT JOB NUMBER: CD2765

TEST PERFORMED		RESULTS	UNITS	DATE/TIME PERFORMED	METHOD NUMBER	PERFORMED BY
SAMPLE #: 470176	**CLIENT SAMPLE ID:**	SD17 (12-14)			**DATE/TIME SAMPLED:**	12/06/07 @ 15:45
TOC		1900	MG/KG DRY WT.	02/13/08	SM 19 5310C	ELAP#11078
SAMPLE #: 470177	**CLIENT SAMPLE ID:**	SD19 (6-8)			**DATE/TIME SAMPLED:**	12/07/07 @ 10:20
TOC		7200	MG/KG DRY WT.	02/13/08	SM 19 5310C	ELAP#11078
SAMPLE #: 470178	**CLIENT SAMPLE ID:**	SD23 (25-27)			**DATE/TIME SAMPLED:**	12/11/07 @ 12:50
TOC		55000	MG/KG DRY WT.	02/13/08	SM 19 5310C	ELAP#11078
SAMPLE #: 470179	**CLIENT SAMPLE ID:**	SD24 (6-8)			**DATE/TIME SAMPLED:**	12/12/07 @ 11:02
TOC		46000	MG/KG DRY WT.	02/13/08	SM 19 5310C	ELAP#11078

Sample Receipt Temperature: 5 Degrees C

David R. Hill
Laboratory Director

02/18/2008
Print Date

All tests performed under NYS ELAP Laboratory Certification # 11375 unless otherwise stated. Report relates only to the samples as received by the laboratory and shall not be reproduced except in full, without written approval from Environmental Laboratory Services.

ATLANTIC TESTING LABORATORIES

ENVIRONMENTAL - CHAIN OF CUSTODY

227322
Pat#6667 No. 2250

Albany
Corporate Drive
n Park, NY 12065
3/383-9144 (T)
3/383-9166 (F)

Binghamton
406 North Street
Endicott, NY 13670
607/757-9326 (T)
607/757-9252 (F)

Canton
6421 U.S. Highway 11
Canton, NY 13617
315/386-4578 (T)
315/386-1012 (F)

Plattsburgh
1080 Military Turnpike
Plattsburgh, NY 12901
518/563-5878 (T)
518/562-1321 (F)

Poughkeepsie
251 Upper North Road
Highland, NY 12590
845/691-6098 (T)
845/691-6099 (F)

Syracuse
6085 Court Street Road
Syracuse, NY 13206
315/699-5281 (T)
315/699-3374 (F)

Utica
301 St. Anthony Street
Utica, NY 13501
315/735-3309 (T)
315/735-0742 (F)

Watertown
P.O. Box 91
Felts Mills, NY 13638
315/773-5390 (T)
315/773-0334 (F)

Project No.	Client Name	QA/QC Code	Parameters	Report Distribution
D26 2765 (RCA)	ENSR/AECOM	☐NYSDEC ☐SW-846 ☐NYSDOH ☐CLP ☐Other	EPA 9060A TOC	Dates Required: std
Page 1 of 1		Project Location		Send Reports To: R. Armstrong
Project Contact:				Fax Results: ☐Yes ☐No
Project Name:	ConEdison - Pennart Ave	Peekskill, NY		

Date	Time	Sample Location	Sample Type	No. of Containers		Laboratory Identification No.	Field Notes
6/07	15:45	SD17 (12-14)	SD	1	X	470176	
7/07	10:20	SD19 (6-8)	↓	1	X	470177	
11/07	12:50	SD23 (25-27)		1	X	470178	
12/07	11:02	SD24 (6-8)	↓	1	X	470179	

Custody Seal: X = intact

Sampler's Name:	~~Scott Olsen/ENSR~~ (RCA)	Date:		Received for Name:	James P. Murphy	Date:	2/5/08
Sampler's Signature:		Time:		Laboratory Signature:		Time:	9:45

Shipment Rec'd Intact? ☐~~Yes~~ ☐No

Samples Relinquished By:				Samples Received By:				Sample Type Code Key:				Laboratory Remarks
Name:	Scott Olsen/ENSR	Date:	12/13/07	Name:	Andy Baxter	Date:	12/13	Description		Matrix		4-8°
Signature:		Time:	10⁰⁰	Signature:		Time:	10⁰⁰	C	Composite	DW	Drinking Water	
Name:	Andy Baxter	Date:	12/14/07	Name:	Bruce Cline	Date:	12/14/07	G	Grab	GW	Groundwater	
Signature:		Time:	15:15	Signature:		Time:	15:25	Q	QA/QC	O	Oil	
								O	Other	S	Soil	
										SL	Sludge	
										WW	Wastewater	

Think Quality

Distribution: White with Samples
Yellow to Laboratory
Pink to ATL Files

Name: Signature: Date: Time:

Name: Signature: Date: Time:

OF-7E
Revised: 11/02

NSR | AECOM 2 Technology Park Drive Westford MA 01720 978-589-3000

CHAIN OF CUSTODY RECORD

CD 2765

Page 1

Client/Project Name: CON EDISON – PEMART AVE.

Project Location: PEEKSKILL NY

Project Number: 01869-126-240

Field Logbook No.: 1120A449

Sampler (Print Name)/(Affiliation):

Chain of Custody Tape Nos.: 25605 & 26165

Signature: Scott Olson / ENSR

Send Results/Report to: W. BRAUNSTEIN ENSR WESTFORD

TAT: STD.

Analysis Requested

Field Sample No./Identification	Date	Time	COMP	GRAB	Sample Container (Size/Mat'l)	Matrix	Preserv.	Field Filtered	ASTM D 422 Particle Size w/ HYD.	ASTM D 854 Specific Gravity	ASTM D 2216 Moisture Content	ASTM D 4318 Atterberg Limits	EPA 9060A TOC	EM 1110-2-1906, App 2 Bulk Density	PAH	Lab I.D.	Remarks
SD17 (4-5)	12/6/07	1535		✓	2G JARS	SD	N/A	N/A	X	X	X	X					ALL
SD17 (12-14)	↓	1545		✓	3G JARS				X	X	X	X	X		X		NOTE: SAMPLES
SD18 (0-2)	12/7/07	920		✓					X	X	X	X					ARE BE
SD22 (13-15)	12/11/07	900		✓					X	X	X	X					NON-IMPACTED
SD22 (25-27)	↓	1250		✓					X	X	X	X	X		X		ZONES.
SD22 (7-9)		850		✓					X	X	X	X					
SD23 (3-5)		1000		✓					X	X	X	X					
SD24 (6-8)	12/12/07	1102		✓					X	X	X	X	X	NO	X		
SD24 (8-10)	↓	1125		✓					X	X	X	X					
SD19 (6-8)	12/7/07	1020		✓					X	X	X	X	X		X		(HOLD)
SD23 (5-7)	12/11/07			✓	1 SHELBY	SD	N/A	N/A						X			~1 FOOT RECO
SD24 (22-24)	12/12/07			✓	1 SHELBY	SD	N/A	N/A						X			~2 FOOT RECO

Container Type: P – Plastic; A – Amber Glass; G – Clear Glass; V – VOA Vial; O – Other; E – Encore

Preservation: 1 – HCl, 4°; 2 – H2SO4, 4°; 3 – HNO3, 4°; 4 – NaOH, 4°; 5 – NaOH/ZnA; 6 – Na2S2O3, 7 – 4°

Matrix Codes: DW – Drinking Water; WW – Wastewater; GW – Groundwater; SW – Surface Water; ST – Storm Water; W – Water; S – Soil; SL – Sludge; SD – Sediment; SO – Solid; A – Air; L – Liquid; P – Product

Relinquished by: (Print Name)/(Affiliation) Scott Olson/ENSR	Date: 12/13/07	Received by: (Print Name)/(Affiliation) Andy Baxter/ATL	Date: 12/13/07
Signature:	Time: 1000	Signature:	Time: 1000
Relinquished by: (Print Name)/(Affiliation) Andy Baxter/ATL	Date: 12/14/07	Received by: (Print Name)/(Affiliation) Drue Cline ATL	Date: 12/14/07
Signature:	Time: 3:15	Signature:	Time: 3:25
Relinquished by: (Print Name)/(Affiliation)	Date:	Received by: (Print Name)/(Affiliation)	Date:
Signature:	Time:	Signature:	Time:

Analytical Laboratory (Destination):
ATLANTIC TESTING LABORATORIES
6431 U.S. HIGHWAY 11
P.O. BOX 29
CANTON, NY 13617
315-386-4578

Sample Shipped Via: UPS FedEx Courier (ATL) Other

Temp blank: Yes

White: Original (to Lab) Yellow: Lab Pink: Sampler

Serial No. 00249

Appendix D

Data Usability Summary Report

Provided on CD

Prepared for:
Consolidated Edison Company of New York
New York

Appendix D

Pemart Avenue Former MGP

Peekskill, New York

Remedial Investigation Report

Data Usability Summary Report

ENSR Corporation
February 2008
Document No.: 01869-126-300

ENSR | AECOM

Appendix D - Data Usability Summary report

This Data Usability Summary Report (DUSR) includes a discussion of the usability of the data collected in the month of December, 2007 during the site investigation at the former MGP site located at Pemart Avenue, Peekskill, NY. A total of 49 sediment samples were collected and analyzed for semivolatile organic compounds (SVOCs), volatile organic compounds (VOCs), and/or total organic carbon (TOC). Analytical parameters and methodologies are discussed in Section 2 of the RI report.

The data were reviewed using the USEPA Region 2 data validation Standard Operating Procedures (SOPs) as guidance. Where necessary, the Region 2 SOPs were modified to incorporate project-specific or method-specific criteria. Data qualifiers applied were consistent with the Region 2 guidance and consisted of the following:

Qualifier	Definition
J	Estimated
U	Not detected
UJ	Not detected, estimated
R	Rejected

Elements reviewed in preparing the DUSR were consistent with those specified in the NYSDEC guidance (NYSDEC, 2001).

In general, the data were found to be valid, and may be considered usable for decision making purposes. No data were rejected.

Selected data points were qualified as estimated (J/UJ) due to QC nonconformances. In addition, a negligible number of data points were negated (U) on the basis of laboratory or equipment blank contamination. All QC nonconformances are summarized below.

Holding Times

Holding times were met for all SVOC and TOC analyses. No data qualification was necessary for these parameters.

All samples scheduled for VOC analyses were initially analyzed within holding times. However, two samples were reanalyzed outside of holding times, resulting in the qualification of two trichloroethene (TCE) results as estimated (J).

Sample Preservation

All samples were properly preserved and were stored at the proper temperature from the time of laboratory receipt until analysis. No data were qualified on this basis.

Quality Control

Quality control (QC) elements were reviewed for compliance with acceptance criteria. Documentation of nonconformances is included as attachments to this DUSR.

Calibrations – Initial and continuing calibration generally met acceptance criteria. Exceptions are discussed below.

Results for the SVOC compound benzaldehyde were qualified as estimated in all samples because the percent relative standard deviation (%RSD) for this compound was outside of acceptance limits in all initial calibrations (ICALs), and the percent difference (%D) for this compound was outside of acceptance limits in several continuing calibrations (CCALs). In addition, the 2,4-dintrophenol results in were qualified as estimated in almost half of the samples due to ICAL and/or CCAL non-conformances. All other compounds met the ICAL acceptance criteria. Selected atrazine, hexachlorobenzene, and hexachlorocyclopentadiene results were qualified as estimated due to CCAL %D non-conformances.

Calibration criteria were met for all VOC analyses with the exception of the %Ds of acetone, 1,2-dibromo-3-chloropropane, dichlorodifluoromethane, trichlorofluoromethane, methyl tert-butyl ether, 2-butanone, Freon 113, and 1,2-dichloroethane in one or more continuing calibrations. The results for these compounds in the associated sediment samples were qualified as estimated (J/UJ). All calibration criteria were met for TOC analyses.

Blanks – Blanks associated with the samples included laboratory method blanks and equipment blanks. No target compounds were detected in the laboratory or equipment blanks analyzed for cyanide or PCB Aroclors. Contaminants were sporadically detected in various blanks for each of the other analyses. These contaminants are discussed below only if they resulted in the qualification of data.

Low levels of 2-butanone, methylene chloride, and toluene were found in one or more laboratory method blanks, and acetone was found in two equipment blanks. Consistent with the Region 2 validation guidelines, action levels were established at 10 times the concentration detected in the blanks (these compounds are all designated as common laboratory contaminants) and compared to the associated sample results. Sample results falling below the action level were qualified as nondetect (U) at either the reported concentration or the reporting limit, whichever was greater. A total of 19 VOC results were negated on this basis – three 2-butanone, eight toluene, four methylene chloride, and four acetone results.

No SVOC data were qualified on the basis of blank contamination.

Surrogates – Surrogate recoveries were acceptable for all VOC analyses. Results for selected samples analyzed for SVOCs were qualified as described below.

The recovery of two base/neutral surrogates fell below the acceptance criteria in the SVOC analysis of sample SD2(18-19). All positive and non-detect base/neutral results in this sample were qualified as estimated (J/UJ). Results for acid compounds in this sample were accepted unqualified.

Internal Standards – All internal standards fell within acceptable retention time windows for all analyses. Internal standard recoveries were acceptable for all SVOC analyses. One internal standard (d_4-dichlorobenzene) recovered below the acceptance limit in each of four samples. This internal standard is associated with the quantitation of six compounds (1,2-dibromo-3-chloropropane, 1,3-dichlorobenzene, 1,2-dichlorobenzene, 1,4-dichlorobenzene, 1,1,2,2-tetrachloroethane, and 1,2,4-trichlorobenzene). Positive and non-detect results for these compounds were qualified as estimated in the associated samples.

MS/MSDs – MS/MSD percent recoveries (%Rs) and relative percent differences (RPDs) were generally acceptable. No systematic problems were identified.

Professional judgment was used to qualify all positive and non-detect results from the SVOC analysis of sample SD15(0-2) as estimated (J/UJ) since the MS/MSD RPD exceeded the acceptance criteria for more than half of the target compounds.

The results for 12 miscellaneous compounds in sample SD13(5-7) and 11 miscellaneous results in sample SD22(13-15) were qualified as estimated (J/UJ) due to low MS and/or MSD recoveries.

No TOC results were qualified due to MS results.

Laboratory Duplicates – Laboratory duplicate analyses are applicable only to inorganics. All RPDs for duplicate analysis were acceptable; therefore, no data were qualified on this basis.

Field Duplicates – Samples SD11(6-8), SD12(2-4), and SD17(0-2) were collected as field duplicates for all analyses.

Overall, agreement between field duplicates was acceptable for samples SD11(6-8) and SD17(0-2), resulting in the qualification of a small number of VOC results and acceptance of all SVOC and TOC results. However, the duplicate results for sample SD12(2-4) agreed well only for VOCs. The RPDs of the detected compounds in the SVOC analyses were sufficiently poor that the validator used professional judgment to qualify all positive and non-detect SVOC results as estimated (J/UJ) in both samples of the duplicate pair. All RPDs that exceeded the acceptance criteria and which were qualified as estimated (J/UJ) are summarized below.

Sample ID	Compound	Original Result (µg/Kg)	Duplicate Result (µg/Kg)	RPD (%)
SD11 (6-8)	Carbon disulfide	34 J	5.0 J	149
SD12 (2-4)	Acetone	150 J	7.8 J	180
SD12 (2-4)	cis-1,2-Dichloroethene	2.5 J	7.8 J	103
SD17 (0-2)	Methylcylohexane	11 J	3.3 J	108
SD17 (0-2)	Dichloromethane	4.3 J	1.1 J	119
SD12 (2-4)	TOC	112,000,000	1,640,000	194
SD12 (2-4)	Acenaphthene	4000 J	78 J	192
SD12 (2-4)	Acenaphthylene	3000 J	38 J	195
SD12 (2-4)	Anthracene	3600 J	77 J	192
SD12 (2-4)	Benzo(a)anthracene	8400 J	120 J	194
SD12 (2-4)	Benzo(a)pyrene	8600 J	110 J	195
SD12 (2-4)	Benzo(b)fluoranthene	5900 J	72 J	195
SD12 (2-4)	Benzo(g,h,i)perylene	4400 J	62 J	194
SD12 (2-4)	Benzo(k)fluoranthene	6300 J	78 J	195
SD12 (2-4)	Indeno(1,2,3-cd)pyrene	3800 J	51 J	195
SD12 (2-4)	Chrysene	10000 J	130 J	195
SD12 (2-4)	bis(2-Ethylhexyl) phthalate	1100 J	32 J	189
SD12 (2-4)	Fluoranthene	17000 J	220 J	195
SD12 (2-4)	Fluorene	2100 J	49 J	191
SD12 (2-4)	Naphthalene	1400 J	32 J	191
SD12 (2-4)	Phenanthrene	12000 J	260 J	192
SD12 (2-4)	Pyrene	17000 J	240 J	194

Laboratory Control Samples – Laboratory control samples (LCSs) were associated with all analyses. The recoveries of the LCSs associated with all analyses met the acceptance criteria in all cases.

Detection Limits and Sample Results

The percent solids for all soil samples were greater than 50% with the exception of the following samples:

Sample	Percent Solids
SD102	49.1
SD12(2-4)	47.4
SD13(15-17)	29.5

Sample	Percent Solids
SD16(0-2)	48.2
SD18(0-2)	42.4
SD2(10-11)	31.8
SD22(13-15)	34.0
SD23 (3-5)	37.5
SD3(16-16.5)	25.4
SD1(8-8.5)	45.5
SD3(1-3)	28.2

All positive and non-detect results for all analyses of these samples were qualified as estimated (J/UJ). No other qualifications were required on this basis.

In several instances, analytical dilutions were necessary to quantitate target analytes within the instrument calibration range. Results were combined during validation to report the lowest possible reporting limits for non-detects, while reporting all detected compounds within the calibration range.

Completeness of Deliverables

The data were reported as NYSDEC ASP Category B deliverables. No significant omissions or deficiencies were noted.

Conclusions

In general, the data are valid as reported and may be used for decision making purposes. Selected data points were rejected (R) or qualified as estimated (J) based on certain QC nonconformances as described in the sections above.

Attachments to Data Usability Summary Report (DUSR)

Nonconformances - CAS SDG R2741136

OLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD: 8260B

LABORATORY CONTROL SAMPLE SUMMARY

REFERENCE ORDER #: 1064818 ANALYTICAL RUN # : 155000

DATE ANALYZED : 12/06/07
ANALYTICAL DILUTION: 1.0

ANALYTE	TRUE VALUE	% RECOVERY	QC LIMITS
ACETONE	20.0	125	50 - 150
BENZENE	20.0	113	70 - 130
BROMODICHLOROMETHANE	20.0	115	70 - 130
BROMOFORM	20.0	106	70 - 130
BROMOMETHANE	20.0	107	50 - 150
2-BUTANONE (MEK)	20.0	113	50 - 150
METHYL-TERT-BUTYL ETHER	20.0	125	70 - 130
CARBON DISULFIDE	20.0	106	70 - 130
CARBON TETRACHLORIDE	20.0	113	70 - 130
CHLOROBENZENE	20.0	103	70 - 130
CHLOROETHANE	20.0	115	70 - 130
CHLOROFORM	20.0	117	70 - 130
CHLOROMETHANE	20.0	105	70 - 130
1,2-DIBROMO-3-CHLOROPROPANE	20.0	94	50 - 150
CYCLOHEXANE	20.0	109	70 - 130
DIBROMOCHLOROMETHANE	20.0	106	70 - 130
1,2-DIBROMOETHANE	20.0	108	70 - 130
1,3-DICHLOROBENZENE	20.0	102	70 - 130
1,4-DICHLOROBENZENE	20.0	100	70 - 130
1,2-DICHLOROBENZENE	20.0	104	70 - 130
DICHLORODIFLUOROMETHANE	20.0	147 *	70 - 130
1,1-DICHLOROETHANE	20.0	123	70 - 130
1,2-DICHLOROETHANE	20.0	121	70 - 130
1,1-DICHLOROETHENE	20.0	129	70 - 130
CIS-1,2-DICHLOROETHENE	20.0	121	70 - 130
TRANS-1,2-DICHLOROETHENE	20.0	108	70 - 130
1,2-DICHLOROPROPANE	20.0	111	70 - 130
CIS-1,3-DICHLOROPROPENE	20.0	114	70 - 130
TRANS-1,3-DICHLOROPROPENE	20.0	100	70 - 130
ETHYLBENZENE	20.0	106	70 - 130
2-HEXANONE	20.0	92	70 - 130
ISOPROPYLBENZENE	20.0	107	70 - 130
METHYL ACETATE	20.0	100	50 - 150
METHYLCYCLOHEXANE	20.0	105	50 - 150
METHYLENE CHLORIDE	20.0	125	70 - 130
4-METHYL-2-PENTANONE (MIBK)	20.0	97	70 - 130
STYRENE	20.0	105	70 - 130
1,1,2,2-TETRACHLOROETHANE	20.0	101	70 - 130
TETRACHLOROETHENE	20.0	102	70 - 130
TOLUENE	20.0	119	70 - 130
1,2,4-TRICHLOROBENZENE	20.0	103	70 - 130

OLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD: 8260B

LABORATORY CONTROL SAMPLE SUMMARY

REFERENCE ORDER #: 1064818 ANALYTICAL RUN # : 155000

ANALYTE	TRUE VALUE	% RECOVERY	QC LIMITS
DATE ANALYZED : 12/06/07			
ANALYTICAL DILUTION: 1.0			
1,1,1-TRICHLOROETHANE	20.0	124	70 - 130
1,1,2-TRICHLOROETHANE	20.0	109	70 - 130
TRICHLOROETHENE	20.0	113	70 - 130
TRICHLOROFLUOROMETHANE	20.0	133 *	70 - 130
1,1,2-TRICHLORO1,2,2-TRIFLUOROETHA	20.0	131 *	70 - 130
VINYL CHLORIDE	20.0	106	70 - 130
O-XYLENE	20.0	105	70 - 130
M+P-XYLENE	40.0	104	70 - 130

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CASROCH Contract: ENSR

Lab Code: 10145 Case No.: R7-41136 SAS No.: _____ SDG No.: SD1

Lab File ID (Standard): Q8657.D Date Analyzed: 12/06/07

Instrument ID: MSVOA7 Time Analyzed: 10:57

GC Column: DB624 ID: 0.25 (mm) Heated Purge (Y/N): Y

		IS4 AREA #	RT #	AREA #	RT #	AREA #	RT #
	12 HOUR STD	303959	22.56				
	UPPER LIMIT	607918	22.06				
	LOWER LIMIT	151980	23.06				
	EPA SAMPLE NO.						
01	LCS1	307624	22.56				
02	METBLK1	288190	22.55				
03	SD1 12-12.5	299438	22.55				
04	SD2 16.5-17	142374*	22.56				
05	SD2 18-19	314193	22.55				
06	SD3 14-16	255604	22.57				
07	SD4 0-2	140763*	22.55				
08	SD3 16-16.5	75342*	22.55				
09	SD4 14-15	273894	22.55				
10	SD5 0-2	219702	22.55				
11	SD5 16-17	268759	22.55				
12	SD2 10-11	159280	22.55				

IS1 = Pentafluorobenzene
IS2 = 1,4 - Difluorobenzene
IS3 = d5 - Chlorobenzene
IS4 = d4 - Dichlorobenzene

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk.
* Values outside of contract required QC limits

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CASROCH Contract: ENSR

Lab Code: 10145 Case No.: R7-41136 SAS No.: SDG No.: SD1

Lab File ID (Standard): Q8679.D Date Analyzed: 12/07/07

Instrument ID: MSVOA7 Time Analyzed: 10:58

GC Column: DB624 ID: 0.25 (mm) Heated Purge (Y/N): Y

		IS4 AREA #	RT #	AREA #	RT #	AREA #	RT #
	12 HOUR STD	301694	22.57				
	UPPER LIMIT	603388	22.07				
	LOWER LIMIT	150847	23.07				
	EPA SAMPLE NO.						
01	LCS2	290507	22.56				
02	METBLK2	288939	22.57				
03	SD4 0-2RE	138988 *	22.56				
04	SD4 6-7	232440	22.57				
05	SD4 14-15RE	124351 *	22.57				
06	SD2 16.5-17RE	119524 *	22.57				

IS1 = Pentafluorobenzene
IS2 = 1,4 - Difluorobenzene
IS3 = d5 - Chlorobenzene
IS4 = d4 - Dichlorobenzene

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk.
* Values outside of contract required QC limits

Data File : J:\ACQUDATA\MSVOA7\DATA\120607\Q8657.D Vial: 27
Acq On : 6 Dec 2007 10:57 am Operator: K.Ruest
Sample : CCV Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : J:\ACQUDATA\MSVOA7\METHODS\SOL1003.M (RTE Integrator)
Title : 8260voa
Last Update : Thu Oct 04 15:14:55 2007
Response via : Multiple Level Calibration

KR 12/6/07

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	
1	I	Pentafluorobenzene	1.000	1.000	0.0	98	-0.04	
2		Dichlorodifluoromethane	0.598	0.769	-28.6#	139	-0.02	NT
3	p	Chloromethane	0.860	0.822	4.4	103	-0.03	
4	c	Vinyl Chloride	0.620	0.591	4.7	99	-0.02	
5		Bromomethane	0.506	0.515	-1.8	106	-0.02	
6		Chloroethane	0.532	0.561	-5.5	117	-0.02	
7		Trichlorofluoromethane	0.794	0.861	-8.4	110	-0.02	
8		Diethyl Ether	0.602	0.681	-13.1	116	-0.02	
9		FREON 123A	0.964	0.990	-2.7	95	-0.03	
.0		FREON 123	0.989	1.013	-2.4	94	-0.03	
.1		Acrolein	0.142	0.148	-4.2	99	-0.02	
.2		FREON 113	0.251	0.292	-16.3	120	-0.03	
.3	c	1,1-Diclethene	0.477	0.520	-9.0	117	-0.03	
4		Acetone	0.364	0.405	-11.3	113	-0.03	
5		2-Propanol	0.111	0.105	5.4	90	-0.02	
6		Iodomethane	0.486	0.510	-4.9	98	-0.03	
7		Carbon Disulfide	2.321	2.515	-8.4	105	-0.03	
8		Acetonitrile	0.142	0.168	-18.3	125	-0.03	
9		Allyl Chloride	1.551	1.688	-8.8	110	-0.03	
0		Methyl Acetate	1.406	1.420	-1.0	98	-0.02	
1		Methylene Chloride	0.711	0.767	-7.9	114	-0.03	
2		TBA	0.139	0.139	0.0	100	-0.03	
3		Acrylonitrile	0.409	0.436	-6.6	108	-0.03	
4		Methyl-t-Butyl Ether	1.824	2.135	-17.1	122	-0.03	
5		trans-1,2-Dichloroethene	0.656	0.682	-4.0	116	-0.04	
6	p	1,1-Diclethane	1.429	1.541	-7.8	114	-0.03	
7		Vinyl Acetate	1.334	1.153	13.6	83	-0.03	
8		2-Chloro-1,3-butadiene	0.944	1.260	-33.5#	127	-0.03	
9		2,2-Dichloropropane	0.970	1.047	-7.9	119	-0.04	
0		2-Butanone	0.765	0.780	-2.0	100	-0.02	
1		cis-1,2-Dichloroethene	0.736	0.818	-11.1	121	-0.03	
2		Propionitrile	0.172	0.171	0.6	103	-0.04	
3		Methacrylonitrile	0.376	0.416	-10.6	111	-0.04	
4		Bromochloromethane	0.427	0.441	-3.3	116	-0.04	
5	c	Chloroform	1.262	1.353	-7.2	113	-0.03	
5		Tetrahydrofuran	0.482	0.481	0.2	107	-0.03	
7		1,1,1-Trichloroethane	0.885	0.974	-10.1	119	-0.04	
3		Cyclohexane	1.743	1.790	-2.7	99	-0.03	
9	I	1,4 - Difluorobenzene	1.000	1.000	0.0	102	-0.04	
)	s	surr4,Dibrflmethane	0.400	0.371	7.3	99	-0.04	
1		Carbontetrachloride	0.459	0.505	-10.0	119	-0.04	
2		1,1-Dichloropropene	0.603	0.648	-7.5	115	-0.04	
3		Iso-Butyl Alcohol	0.047	0.051	-8.5	105	-0.03	
4	s	surr1,1,2-Diclethane	0.405	0.383	5.4	101	-0.04	
5		Benzene	1.602	1.703	-6.3	117	-0.04	
6		1,2-Dichloroethane	0.583	0.662	-13.6	122	-0.04	
7		N-Heptane	1.021	1.152	-12.8	126	-0.04	
8		Trichloroethene	0.407	0.451	-10.8	116	-0.04	
9		Methylcyclohexane	0.860	0.910	-5.8	104	-0.05	

#) = Out of Range

Data File : J:\ACQUDATA\MSVOA7\DATA\120607\Q8657.D Vial: 27
Acq On : 6 Dec 2007 10:57 am Operator: K.Ruest
Sample : CCV Inst : GC/MS Ins
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Method : J:\ACQUDATA\MSVOA7\METHODS\SOL1003.M (RTE Integrator)
Title : 8260voa
Last Update : Thu Oct 04 15:14:55 2007
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	
50	c	1,2-Diclpropane	0.572	0.639	-11.7	121	-0.04	
51		Methyl Methacrylate	0.134	0.147	-9.7	117	-0.04	
52		1,4-Dioxane	0.007	0.007	0.0	106	-0.04	
53		Dibromomethane	0.323	0.353	-9.3	118	-0.04	
54		Bromodichloromethane	0.585	0.661	-13.0	117	-0.05	
55		2-Nitropropane	0.208	0.206	1.0	106	-0.04	
56		2-Chloroethylvinyl Ether	0.420	0.443	-5.5	113	-0.04	
57		cis-1,3-Dichloropropene	0.781	0.898	-15.0	119	-0.04	
58	I	d5 - Chlorobenzene	1.000	1.000	0.0	111	-0.04	
59		4-Methyl-2-Pentanone	1.039	0.993	4.4	106	-0.04	
60	c	Toluene	1.716	1.661	3.2	114	-0.04	
61		trans-1,3-Dichloropropene	0.748	0.747	0.1	116	-0.05	
62		Ethyl Methacrylate	0.808	0.801	0.9	114	-0.04	
63		1,1,2-Trichloroethane	0.404	0.388	4.0	113	-0.04	
64	s	surr3,Toluene-d8	1.323	1.134	14.3	101	-0.04	
65	s	surr2,bfb	0.570	0.531	6.8	115	-0.04	
66		Tetrachloroethene	0.473	0.444	6.1	115	-0.04	
67		2-Hexanone	0.821	0.760	7.4	101	-0.04	
68		1,3-Dichloropropane	0.822	0.834	-1.5	115	-0.04	
69		Butyl Acetate	0.000	0.000	0.0	104	-0.04	
70		Dibromochloromethane	0.549	0.541	1.5	113	-0.05	
71		1,2-Dibromoethane	0.518	0.513	1.0	113	-0.04	
72	p	Chlorobenzene	1.230	1.140	7.3	110	-0.04	
73		1,1,1,2-Tetrachloroethane	0.441	0.438	0.7	114	-0.04	
74	c	Ethylbenzene	2.015	1.982	1.6	118	-0.04	
75		(m+p)Xylene	0.738	0.729	1.2	121	-0.04	
76		o-Xylene	0.759	0.754	0.7	123	-0.05	
77		Styrene	1.279	1.311	-2.5	122	-0.05	
78	p	Bromoform	0.421	0.412	2.1	114	-0.05	
79		Isopropylbenzene	1.926	1.885	2.1	116	-0.05	
80		Cyclohexanone	0.109	0.108	8.2 ~~0.9~~	140	-0.04	KR
81	I	d4 - Dichlorobenzene	1.000	1.000	0.0	111	-0.04	
82	p	1,1,2,2-Tetrachloroethane	1.591	1.479	7.0	107	-0.05	
83		Trans-1,4-Dichloro-2-butene	0.342	0.449	-31.3#	152	-0.05	MT
84		1,2,3-Trichloropropane	0.391	0.389	0.5	118	-0.05	
85		n-Propylbenzene	5.249	5.075	3.3	117	-0.05	
86		Bromobenzene	1.104	1.078	2.4	116	-0.05	
87		1,3,5-Trimethylbenzene	3.304	3.219	2.6	117	-0.04	
88		2-Chlorotoluene	3.022	2.928	3.1	121	-0.04	
89		4-Chlorotoluene	3.076	3.060	0.5	123	-0.05	
90		tert-Butylbenzene	2.864	2.764	3.5	118	-0.04	
91		1,2,4-Trimethylbenzene	3.311	3.231	2.4	118	-0.04	
		sec-Butylbenzene	4.470	4.186	6.4	116	-0.05	
		p-Isopropyltoluene	3.747	3.594	4.1	115	-0.04	
		1,3-Dclbenz	2.022	1.930	4.5	115	-0.04	
		1,4-Dclbenz	2.053	1.953	4.9	114	-0.05	
		n-Butylbenzene	3.808	3.618	5.0	117	-0.05	
		1,2-Dclbenz	1.908	1.856	2.7	118	-0.05	

#) = Out of Range

Data File : J:\ACQUDATA\MSVOA7\DATA\120607\Q8657.D Vial: 27
Acq On : 6 Dec 2007 10:57 am Operator: K.Ruest
Sample : CCV Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : J:\ACQUDATA\MSVOA7\METHODS\SOL1003.M (RTE Integrator)
Title : 8260voa
Last Update : Thu Oct 04 15:14:55 2007
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
98	1,2-Dibromo-3-chloropropane	0.354	0.320	9.6	114	-0.05
99	Nitrobenzene	0.252	0.222	11.9	101	-0.05
00	1,2,4-Tcbenzene	1.254	1.181	5.8	114	-0.05
01	Hexachlorobu	0.725	0.702	3.2	120	-0.04
02	Naphthalen	3.381	3.141	7.1	113	-0.05
03	1,2,3-Tclbenzene	1.143	1.097	4.0	119	-0.04

#) = Out of Range SPCC's out = 0 CCC's out = 0

00433

Evaluate Continuing Calibration Report

Data File : J:\ACQUDATA\MSVOA7\DATA\120707\Q8679.D Vial: 27
Acq On : 7 Dec 2007 10:58 am Operator: K.Ruest
Sample : CCV Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : J:\ACQUDATA\MSVOA7\METHODS\SOL1003.M (RTE Integrator)
Title : 8260voa
Last Update : Thu Oct 04 15:14:55 2007
Response via : Multiple Level Calibration

KR 12/7/07

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	
1	I	Pentafluorobenzene	1.000	1.000	0.0	95	-0.02	
2		Dichlorodifluoromethane	0.598	0.834	-39.5#	145	-0.01	NT
3	p	Chloromethane	0.860	0.863	-0.3	105	-0.03	
4	c	Vinyl Chloride	0.620	0.670	-8.1	108	-0.02	
5		Bromomethane	0.506	0.540	-6.7	108	-0.02	
6		Chloroethane	0.532	0.564	-6.0	114	-0.02	
7		Trichlorofluoromethane	0.794	0.955	-20.3#	118	-0.01	NT
8		Diethyl Ether	0.602	0.703	-16.8	115	-0.02	
9		FREON 123A	0.964	1.018	-5.6	95	-0.02	
0		FREON 123	0.989	1.085	-9.7	98	-0.02	
1		Acrolein	0.142	0.147	-3.5	96	-0.02	
2		FREON 113	0.251	0.305	-21.5#	121	-0.02	NT
3	c	1,1-Diclethene	0.477	0.543	-13.8	118	-0.02	
4		Acetone	0.364	0.436	-19.8	118	-0.01	
5		2-Propanol	0.111	0.106	4.5	87	-0.02	
6		Iodomethane	0.486	0.536	-10.3	100	-0.02	
7		Carbon Disulfide	2.321	2.598	-11.9	105	-0.02	
8		Acetonitrile	0.142	0.164	-15.5	118	-0.02	
9		Allyl Chloride	1.551	1.709	-10.2	108	-0.02	
0		Methyl Acetate	1.406	1.434	-2.0	95	-0.01	
1		Methylene Chloride	0.711	0.826	-16.2	118	-0.02	
2		TBA	0.139	0.143	-2.9	99	-0.02	
3		Acrylonitrile	0.409	0.447	-9.3	107	-0.02	
4		Methyl-t-Butyl Ether	1.824	2.283	-25.2#	126	-0.02	NT
5		trans-1,2-Dichloroethene	0.656	0.738	-12.5	122	-0.02	
6	p	1,1-Diclethane	1.429	1.683	-17.8	120	-0.02	
7		Vinyl Acetate	1.334	1.407	-5.5	97	-0.02	
8		2-Chloro-1,3-butadiene	0.944	1.396	-47.9#	136	-0.02	NT
9		2,2-Dichloropropane	0.970	1.104	-13.8	121	-0.03	
0		2-Butanone	0.765	0.818	-6.9	101	-0.02	
.		cis-1,2-Dichloroethene	0.736	0.829	-12.6	119	-0.02	
!		Propionitrile	0.172	0.180	-4.7	104	-0.02	
;		Methacrylonitrile	0.376	0.430	-14.4	111	-0.03	
,		Bromochloromethane	0.427	0.469	-9.8	120	-0.03	
5	c	Chloroform	1.262	1.418	-12.4	115	-0.02	
;		Tetrahydrofuran	0.482	0.490	-1.7	106	-0.02	
'		1,1,1-Trichloroethane	0.885	1.014	-14.6	120	-0.03	
:		Cyclohexane	1.743	1.793	-2.9	96	-0.02	
	I	1,4 - Difluorobenzene	1.000	1.000	0.0	102	-0.03	
	s	surr4,Dibrflmethane	0.400	0.367	8.3	98	-0.03	
		Carbontetrachloride	0.459	0.509	-10.9	120	-0.03	
		1,1-Dichloropropene	0.603	0.653	-8.3	116	-0.03	
		Iso-Butyl Alcohol	0.047	0.048	-2.1	99	-0.02	
	s	surr1,1,2-Diclethane	0.405	0.378	6.7	100	-0.03	
		Benzene	1.602	1.734	-8.2	119	-0.02	
		1,2-Dichloroethane	0.583	0.679	-16.5	125	-0.03	
		N-Heptane	1.021	1.214	-18.9	133	-0.03	
		Trichloroethene	0.407	0.466	-14.5	120	-0.02	
		Methylcyclohexane	0.860	0.899	-4.5	103	-0.03	

#) = Out of Range

00447

Evaluate Continuing Calibration Report

Data File : J:\ACQUDATA\MSVOA7\DATA\120707\Q8679.D Vial: 27
Acq On : 7 Dec 2007 10:58 am Operator: K.Ruest
Sample : CCV Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : J:\ACQUDATA\MSVOA7\METHODS\SOL1003.M (RTE Integrator)
Title : 8260voa
Last Update : Thu Oct 04 15:14:55 2007
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
0	c	1,2-Diclpropane	0.572	0.632	-10.5	119	-0.02
1		Methyl Methacrylate	0.134	0.153	-14.2	121	-0.03
2		1,4-Dioxane	0.007	0.007	0.0	104	-0.04
3		Dibromomethane	0.323	0.353	-9.3	118	-0.03
4		Bromodichloromethane	0.585	0.676	-15.6	119	-0.03
5		2-Nitropropane	0.208	0.199	4.3	103	-0.03
6		2-Chloroethylvinyl Ether	0.420	0.446	-6.2	114	-0.03
7		cis-1,3-Dichloropropene	0.781	0.920	-17.8	122	-0.03
8	I	d5 - Chlorobenzene	1.000	1.000	0.0	110	-0.03
9		4-Methyl-2-Pentanone	1.039	1.021	1.7	107	-0.03
0	c	Toluene	1.716	1.763	-2.7	120	-0.03
1		trans-1,3-Dichloropropene	0.748	0.801	-7.1	123	-0.03
2		Ethyl Methacrylate	0.808	0.851	-5.3	119	-0.03
3		1,1,2-Trichloroethane	0.404	0.419	-3.7	121	-0.03
4	s	surr3,Toluene-d8	1.323	1.166	11.9	102	-0.03
5	s	surr2,bfb	0.570	0.523	8.2	111	-0.03
6		Tetrachloroethene	0.473	0.479	-1.3	122	-0.03
7		2-Hexanone	0.821	0.817	0.5	108	-0.03
8		1,3-Dichloropropane	0.822	0.889	-8.2	121	-0.03
9		Butyl Acetate	0.000	0.000	0.0	106	-0.03
0		Dibromochloromethane	0.549	0.581	-5.8	120	-0.03
1		1,2-Dibromoethane	0.518	0.536	-3.5	116	-0.03
2	p	Chlorobenzene	1.230	1.253	-1.9	119	-0.03
3		1,1,1,2-Tetrachloroethane	0.441	0.450	-2.0	115	-0.03
4	c	Ethylbenzene	2.015	2.094	-3.9	123	-0.03
5		(m+p)Xylene	0.738	0.772	-4.6	126	-0.03
6		o-Xylene	0.759	0.763	-0.5	122	-0.04
7		Styrene	1.279	1.343	-5.0	124	-0.04
8	p	Bromoform	0.421	0.431	-2.4	118	-0.03
9		Isopropylbenzene	1.926	1.975	-2.5	119	-0.03
0		Cyclohexanone	0.109	0.134	~~-33.4#~~ -22.9#	171	-0.03 (KR) NT
1	I	d4 - Dichlorobenzene	1.000	1.000	0.0	110	-0.03
2	p	1,1,2,2-Tetrachloroethane	1.591	1.529	3.9	109	-0.04
3		Trans-1,4-Dichloro-2-butene	0.342	0.441	-28.9#	148	-0.03 NT
4		1,2,3-Trichloropropane	0.391	0.396	-1.3	119	-0.03
5		n-Propylbenzene	5.249	5.316	-1.3	121	-0.03
6		Bromobenzene	1.104	1.109	-0.5	118	-0.03
7		1,3,5-Trimethylbenzene	3.304	3.262	1.3	118	-0.03
8		2-Chlorotoluene	3.022	3.308	-9.5	136	-0.03
9		4-Chlorotoluene	3.076	3.036	1.3	121	-0.03
0		tert-Butylbenzene	2.864	2.936	-2.5	124	-0.03
1		1,2,4-Trimethylbenzene	3.311	3.237	2.2	118	-0.03
2		sec-Butylbenzene	4.470	4.344	2.8	119	-0.03
3		p-Isopropyltoluene	3.747	3.656	2.4	117	-0.03
4		1,3-Dclbenz	2.022	1.983	1.9	118	-0.03
5		1,4-Dclbenz	2.053	2.018	1.7	117	-0.03
6		n-Butylbenzene	3.808	3.857	-1.3	124	-0.03
7		1,2-Dclbenz	1.908	1.938	-1.6	122	-0.03

#) = Out of Range

00448

Evaluate Continuing Calibration Report

Data File : J:\ACQUDATA\MSVOA7\DATA\120707\Q8679.D Vial: 27
Acq On : 7 Dec 2007 10:58 am Operator: K.Ruest
Sample : CCV Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : J:\ACQUDATA\MSVOA7\METHODS\SOL1003.M (RTE Integrator)
Title : 8260voa
Last Update : Thu Oct 04 15:14:55 2007
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
8	1,2-Dibromo-3-chloropropane	0.354	0.318	10.2	112	-0.03
9	Nitrobenzene	0.252	0.217	13.9	98	-0.04
0	1,2,4-Tcbenzene	1.254	1.245	0.7	119	-0.03
1	Hexachlorobu	0.725	0.753	-3.9	128	-0.03
2	Naphthalen	3.381	3.345	1.1	119	-0.03
3	1,2,3-Tclbenzene	1.143	1.124	1.7	121	-0.02

#) = Out of Range SPCC's out = 0 CCC's out = 0

00449

Evaluate Continuing Calibration Report

Data File : J:\ACQUDATA\MSVOA3\DATA\120707\V1090.D Vial: 1
Acq On : 7 Dec 107 10:26 am Operator: D.Zimpfer
Sample : CCV Inst : MS #3
Misc : Multiplr: 1.00

Method : J:\ACQUDATA\MSVOA3\METHODS\WAT1130.M
Title : 8260voa
Last Update : Thu Dec 06 14:44:35 2007
Response via : Multiple Level Calibration

PL12.7

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1		Pentafluorobenzene	1.000	1.000	0.0	90	-0.02
2		Dichlorodifluoromethane	0.584	0.578	1.0	95	0.00
3	p	Chloromethane	0.973	0.962	1.2	98	0.00
4	c	Vinyl Chloride	0.829	0.857	-3.4	107	0.00
5		Bromomethane	0.432	0.425	1.7	101	0.00
6		Chloroethane	0.525	0.518	1.3	106	0.00
7		FREON 21	1.493	1.412	5.4	92	-0.01
8		Trichlorofluoromethane	0.783	0.743	5.1	104	0.00
9		Diethyl Ether	0.715	0.675	5.6	94	-0.02
10		FREON 123A	0.909	0.816	10.1	95	-0.02
11		Acrolein	0.155	0.129	16.4	71	-0.01
12		FREON 113	0.244	0.201	17.9	103	-0.02
13		FREON 123	0.942	0.883	6.3	99	-0.02
14	c	1,1-Diclethene	0.474	0.455	4.1	104	0.00
15		Acetone	0.351	0.294	16.1	87	-0.03
16		Iodomethane	0.137	0.096	30.0#	54	-0.02
17		Carbon Disulfide	2.352	2.254	4.2	87	-0.02
18		2-PROPANOL	0.076	0.079	-3.0	87	-0.02
19		Allyl Chloride	0.368	0.366	0.7	104	-0.02
20		Methyl Acetate	1.176	1.202	-2.2	95	-0.02
21		Methylene Chloride	0.703	0.687	2.3	103	-0.02
22		TBA	0.110	0.109	1.0	90	-0.03
23		Acrylonitrile	0.362	0.388	-7.2	94	-0.02
24		Methyl-t-Butyl Ether	2.084	2.052	1.5	93	-0.02
25		trans-1,2-Dichloroethene	0.604	0.603	0.2	105	-0.02
26	p	1,1-Diclethane	1.317	1.240	5.9	101	-0.01
27		Vinyl Acetate	1.497	1.483	0.9	100	-0.02
28		2-Chloro-1,3-butadiene	1.199	1.132	5.6	85	-0.02
29		2,2-Dichloropropane	1.067	0.853	20.0	105	0.03
30		2-Butanone	0.613	0.581	5.2	92	-0.02
31		cis-1,2-Dichloroethene	0.671	0.662	1.4	102	-0.02
32		Propionitrile	0.132	0.139	-5.4	99	-0.02
33		Methacrylonitrile	0.351	0.364	-3.8	97	-0.02
34		Bromochloromethane	0.311	0.324	-4.2	107	-0.02
35	c	Chloroform	1.112	1.058	4.8	102	-0.01
36		Tetrahydrofuran	0.374	0.384	-2.6	96	-0.02
37		1,1,1-Trichloroethane	0.794	0.740	6.8	105	-0.01
38	I	1,4 - Difluorobenzene	1.000	1.000	0.0	89	-0.02
39	s	surr4,Dibrflmethane	0.331	0.331	0.1	91	-0.02
40		cyclohexane	0.857	0.721	15.9	97	-0.02
41		Carbontetrachloride	0.365	0.343	6.1	106	-0.02

(#) = Out of Range

00440

Evaluate Continuing Calibration Report

Data File : J:\ACQUDATA\MSVOA3\DATA\120707\V1090.D Vial: 1
Acq On : 7 Dec 107 10:26 am Operator: D.Zimpfer
Sample : CCV Inst : MS #3
Misc : Multiplr: 1.00

Method : J:\ACQUDATA\MSVOA3\METHODS\WAT1130.M
Title : 8260voa
Last Update : Thu Dec 06 14:44:35 2007
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
42		1,1-Dichloropropene	0.522	0.491	6.0	106	-0.01
43		Iso-Butyl Alcohol	0.034	0.036	-3.5	94	-0.02
44		Benzene	1.494	1.453	2.7	103	-0.01
45	S	surr1,1,2-Diclethane	0.413	0.384	7.0	85	-0.02
46		1,2-Dichloroethane	0.503	0.498	1.0	94	-0.02
47		N-Heptane	0.563	0.575	-2.1	147	-0.02
48		Trichloroethene	0.340	0.320	6.0	102	-0.02
49		methylcycloh	0.557	0.438	21.4	96	-0.01
50	c	1,2-Diclpropane	0.447	0.433	3.3	101	-0.02
51		Methyl Methacrylate	0.354	0.361	-2.0	97	-0.02
52		1,4-Dioxane	0.004	0.004	2.1	88	-0.02
53		Dibromomethane	0.238	0.248	-4.6	103	-0.02
54		Bromodichloromethane	0.475	0.467	1.7	101	-0.01
55		2-Nitropropane	0.169	0.162	4.2	91	-0.02
56		2-Chloroethylvinyl Ether	0.203	0.263	-29.6#	95	-0.01
57		cis-1,3-Dichloropropene	0.643	0.661	-2.9	100	-0.02
58	I	d5 - Chlorobenzene	1.000	1.000	0.0	91	0.00
59		4-Methyl-2-Pentanone	0.849	0.779	8.2	88	-0.01
60	c	Toluene	1.598	1.505	5.8	106	-0.02
61		trans-1,3-Dichloropropene	0.683	0.672	1.6	97	-0.01
62		Ethyl Methacrylate	0.769	0.749	2.5	98	-0.01
63		1,1,2-Trichloroethane	0.341	0.335	1.8	101	-0.01
64	s	surr3,Toluene-d8	1.406	1.361	3.2	88	-0.01
65	s	surr2,bfb	0.500	0.484	3.3	87	-0.01
66		Tetrachloroethene	0.311	0.313	-0.8	118	-0.01
67		2-Hexanone	0.584	0.552	5.5	91	-0.02
68		1,3-Diclpropane	0.786	0.743	5.5	99	0.00
69		Dibromochloromethane	0.377	0.389	-3.3	102	-0.01
70		1,2-Dibromoethane	0.396	0.397	-0.2	101	0.00
71	p	Chlorobenzene	0.969	0.908	6.3	102	-0.02
72		1,1,1,2-Tetrachloroethane	0.325	0.305	6.1	102	-0.01
73	c	Ethylbenzene	1.700	1.536	9.7	105	-0.01
74		(m+p)Xylene	0.596	0.562	5.7	109	-0.01
75		o-Xylene	0.592	0.561	5.1	110	-0.01
76		Styrene	1.026	1.013	1.2	103	0.00
77	p	Bromoform	0.233	0.252	-8.0	105	0.00
78		Isopropylbenzene	1.359	1.256	7.6	114	-0.01
79		Cyclohexanone	0.111	0.072	34.9#	59	-0.01
80	I	d4 - Dichlorobenzene	1.000	1.000	0.0	93	0.00
81	p	1,1,2,2-Tetrachloroethane	1.342	1.302	3.0	101	-0.01

(#) = Out of Range

00441

Evaluate Continuing Calibration Report

Data File : J:\ACQUDATA\MSVOA3\DATA\120707\V1090.D Vial: 1
Acq On : 7 Dec 107 10:26 am Operator: D.Zimpfer
Sample : CCV Inst : MS #3
Misc : Multiplr: 1.00

Method : J:\ACQUDATA\MSVOA3\METHODS\WAT1130.M
Title : 8260voa
Last Update : Thu Dec 06 14:44:35 2007
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
82	Trans-1,4-Dichloro-2-butene	0.419	0.379	9.6	90	0.00
83	1,2,3-Trichloropropane	0.347	0.348	-0.4	106	0.00
84	n-Propylbenzene	4.070	3.802	6.6	118	0.00
85	Bromobenzene	0.841	0.857	-2.0	111	-0.01
86	1,3,5-Trimethylbenzene	2.576	2.386	7.4	115	0.00
87	2-Chlorotoluene	2.590	2.323	10.3	109	-0.01
88	4-Chlorotoluene	2.971	2.661	10.4	105	0.00
89	tert-Butylbenzene	1.979	1.922	2.9	125	0.00
90	1,2,4-Trimethylbenzene	2.532	2.350	7.2	110	0.00
91	sec-Butylbenzene	2.752	2.725	1.0	130	0.00
92	p-Isopropyltoluene	2.349	2.324	1.1	125	0.00
93	1,3-Dclbenz	1.425	1.407	1.3	114	0.00
94	1,4-Dclbenz	1.414	1.452	-2.7	117	0.00
95	n-Butylbenzene	2.153	2.206	-2.5	133	0.00
96	1,2-Dclbenz	1.425	1.407	1.3	114	0.00
97	1,2-Dibromo-3-chloropropane	0.201	0.219	-9.1	101	0.00
98	Nitrobenzene	0.000	0.105	0.0	0#	0.00
99	1,2,4-Tcbenzene	0.635	0.735	-15.7	121	0.00
00	Hexachlorobt	0.211	0.330	-56.4#	155	0.00
01	Naphthalen	1.940	2.303	-18.7	102	-0.01
02	1,2,3-Tclbenzene	0.601	0.687	-14.3	119	-0.01

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8270C SEMIVOLATILES
Reported: 01/03/08

ENSR International
Project Reference: CON EDISON - PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD2 (18-19)

Date Sampled : 11/29/07 15:15 **Order #:** 1059035 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/01/07 **Submission #:** R2741136 **Percent Solid:** 77.2

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 12/04/07			
DATE ANALYZED : 12/11/07			
ANALYTICAL DILUTION: 1.00			Dry Weight
4,6-DINITRO-2-METHYLPHENOL	1700	2200 U	UG/KG
4-CHLORO-3-METHYLPHENOL	330	430 U	UG/KG
2-METHYLPHENOL	330	430 U	UG/KG
4-METHYLPHENOL	330	430 U	UG/KG
NAPHTHALENE	330	430 U	UG/KG
2-NITROANILINE	1700	2200 U	UG/KG
3-NITROANILINE	1700	2200 U	UG/KG
4-NITROANILINE	1700	2200 U	UG/KG
NITROBENZENE	330	430 U	UG/KG
2-NITROPHENOL	330	430 U	UG/KG
4-NITROPHENOL	1700	2200 U	UG/KG
N-NITROSODIPHENYLAMINE	330	430 U	UG/KG
DI-N-OCTYL PHTHALATE	330	430 U	UG/KG
PENTACHLOROPHENOL	1700	2200 U	UG/KG
PHENANTHRENE	330	430 U	UG/KG
PHENOL	330	430 U	UG/KG
4-BROMOPHENYL-PHENYLETHER	330	430 U	UG/KG
4-CHLOROPHENYL-PHENYLETHER	330	430 U	UG/KG
N-NITROSO-DI-N-PROPYLAMINE	330	430 U	UG/KG
PYRENE	330	430 U	UG/KG
2,4,6-TRICHLOROPHENOL	330	430 U	UG/KG
2,4,5-TRICHLOROPHENOL	330	430 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
TERPHENYL-d14	(48 - 131 %)	41 *	%
NITROBENZENE-d5	(27 - 130 %)	27	%
PHENOL-d6	(10 - 133 %)	26	%
2-FLUOROBIPHENYL	(32 - 130 %)	30 *	%
2-FLUOROPHENOL	(10 - 130 %)	25	%
2,4,6-TRIBROMOPHENOL	(33 - 139 %)	37	%

COLUMBIA ANALYTICAL SERVICES

QUALITY CONTROL SUMMARY MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY
SOIL/SEDIMENT

Spiked Order No. : 1059042 ENSR International

Client ID: SD5 (16-17)

Test: 8270C SEMIVOLATILES

Analytical Units: UG/KG

Run Number : 154112

Percent Solid : 64.5

ANALYTE	SPIKE ADDED	CONCENT. SAMPLE	MATRIX SPIKE FOUND	MATRIX SPIKE % REC.	MATRIX SPIKE DUP. FOUND	MATRIX SPIKE DUP. % REC.	RPD	QC LIMITS RPD	QC LIMITS REC.
ACENAPHTHENE	5160	0	4650	90	4810	93	3	30	39 - 124
ACENAPHTHYLENE	5160	0	4960	96	5120	99	3	30	31 - 124
ACETOPHENONE	5160	0	4190	81	4340	84	4	30	40 - 150
ANTHRACENE	5160	0	4810	93	4960	96	3	30	39 - 122
ATRAZINE	5160	0	5580	108	5740	111	3	30	40 - 150
BENZALDEHYDE	5160	0	9920	192*	10200	198*	3	30	40 - 150
BENZO(A)ANTHRACENE	5160	0	4810	93	4960	96	3	30	35 - 129
BENZO(A)PYRENE	5160	0	4500	87	4650	90	3	30	36 - 130
BENZO(B)FLUORANTHENE	5160	0	4500	87	4810	93	7	30	37 - 124
BENZO(G,H,I)PERYLENE	5160	0	4810	93	4960	96	3	30	34 - 129
BENZO(K)FLUORANTHENE	5160	0	4650	90	4810	93	3	30	36 - 124
1,1'-BIPHENYL	5160	0	4500	87	4500	87	0	30	40 - 150
BUTYL BENZYL PHTHALATE	5160	0	4650	90	4810	93	3	30	56 - 130
DI-N-BUTYLPHTHALATE	5160	0	5270	102	5430	105	3	30	62 - 130
CAPROLACTAM	5160	0	4500	87	4500	87	0	30	40 - 150
CARBAZOLE	5160	0	4960	96	4960	96	0	30	51 - 130
INDENO(1,2,3-CD)PYRENE	5160	0	4960	96	5120	99	3	30	35 - 129
4-CHLOROANILINE	5160	0	2640	51	2790	54	6	30	10 - 130
BIS(-2-CHLOROETHOXY)METHAN	5160	0	4500	87	4960	96	10	30	48 - 130
BIS(2-CHLOROETHYL)ETHER	5160	0	4340	84	4650	90	7	30	43 - 130
2-CHLORONAPHTHALENE	5160	0	4500	87	4810	93	7	30	55 - 130
2-CHLOROPHENOL	5160	0	4190	81	4650	90	10	30	18 - 126
2,2'-OXYBIS(1-CHLOROPROPAN	5160	0	4650	90	5120	99	10	30	10 - 126
CHRYSENE	5160	0	4810	93	4960	96	3	30	32 - 131
DIBENZO(A,H)ANTHRACENE	5160	0	4960	96	5120	99	3	30	23 - 140
DIBENZOFURAN	5160	0	4650	90	4810	93	3	30	42 - 130
3,3'-DICHLOROBENZIDINE	5160	0	3720	72	3880	75	4	30	10 - 121
2,4-DICHLOROPHENOL	5160	0	4500	87	4960	96	10	30	57 - 130
DIETHYLPHTHALATE	5160	0	5120	99	5270	102	3	30	62 - 130
DIMETHYL PHTHALATE	5160	0	5120	99	5270	102	3	30	61 - 130
2,4-DIMETHYLPHENOL	5160	0	4500	87	4960	96	10	30	45 - 130
2,4-DINITROPHENOL	5160	0	1710	33	1320	26	26	30	23 - 130

COLUMBIA ANALYTICAL SERVICES

QUALITY CONTROL SUMMARY MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

SOIL/SEDIMENT

Spiked Order No. : 1059042 ENSR International

Client ID: SD5 (16-17)

Test: 8270C SEMIVOLATILES

Analytical Units: UG/KG

Run Number : 154112

Percent Solid : 64.5

ANALYTE	SPIKE ADDED	CONCENT. SAMPLE	MATRIX SPIKE FOUND	MATRIX SPIKE % REC.	MATRIX SPIKE DUP. FOUND	MATRIX SPIKE DUP. % REC.	RPD	QC LIMITS RPD	QC LIMITS REC.
2,4-DINITROTOLUENE	5160	0	5120	99	5270	102	3	30	46 - 124
2,6-DINITROTOLUENE	5160	0	4960	96	4960	96	0	30	62 - 130
BIS(2-ETHYLHEXYL) PHTHALATE	5160	0	4960	96	5270	102	6	30	60 - 130
FLUORANTHENE	5160	0	5120	99	5270	102	3	30	33 - 125
FLUORENE	5160	0	4650	90	4810	93	3	30	33 - 121
HEXACHLOROBENZENE	5160	0	4650	90	4810	93	3	30	56 - 116
HEXACHLOROBUTADIENE	5160	0	3880	75	4340	84	11	30	10 - 104
HEXACHLOROCYCLOPENTADIENE	5160	0	357	7 *	403	8 *	12	30	9 - 102
HEXACHLOROETHANE	5160	0	3100	60	3410	66	10	30	10 - 107
ISOPHORONE	5160	0	5430	105	5890	114	8	30	50 - 130
2-METHYLNAPHTHALENE	5160	0	4500	87	4810	93	7	30	13 - 130
4,6-DINITRO-2-METHYLPHENOL	5160	0	3880	75	3720	72	4	30	38 - 119
4-CHLORO-3-METHYLPHENOL	5160	0	4650	90	4960	96	6	30	28 - 130
2-METHYLPHENOL	5160	0	4500	87	4960	96	10	30	26 - 105
4-METHYLPHENOL	10300	0	8990	87	9610	93	7	30	22 - 108
NAPHTHALENE	5160	0	4030	78	4500	87	11	30	25 - 120
2-NITROANILINE	5160	0	5270	102	5270	102	0	30	51 - 111
3-NITROANILINE	5160	0	4190	81	4190	81	0	30	10 - 130
4-NITROANILINE	5160	0	4810	93	4650	90	3	30	31 - 105
NITROBENZENE	5160	0	4340	84	4810	93	10	30	32 - 130
2-NITROPHENOL	5160	0	4340	84	4810	93	10	30	55 - 130
4-NITROPHENOL	5160	0	4500	87	4500	87	0	30	12 - 128
N-NITROSODIPHENYLAMINE	5160	0	4030	78	4190	81	4	30	54 - 116
DI-N-OCTYL PHTHALATE	5160	0	4500	87	4650	90	3	30	59 - 130
PENTACHLOROPHENOL	5160	0	4030	78	4030	78	0	30	13 - 128
PHENANTHRENE	5160	0	4650	90	4960	96	6	30	28 - 130
PHENOL	5160	0	4500	87	4650	90	3	30	26 - 122
4-BROMOPHENYL-PHENYLETHER	5160	0	4650	90	4960	96	6	30	61 - 113
4-CHLOROPHENYL-PHENYLETHER	5160	0	4650	90	4810	93	3	30	60 - 130
N-NITROSO-DI-N-PROPYLAMINE	5160	0	4810	93	5270	102	9	30	34 - 122
PYRENE	5160	0	4340	84	4340	84	0	30	34 - 130
2,4,6-TRICHLOROPHENOL	5160	0	4650	90	4960	96	6	30	33 - 120

COLUMBIA ANALYTICAL SERVICES

QUALITY CONTROL SUMMARY MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY
SOIL/SEDIMENT

Spiked Order No. : 1059042 ENSR International

Client ID: SD5 (16-17)

Test: 8270C SEMIVOLATILES

Analytical Units: UG/KG

Run Number : 154112

Percent Solid : 64.5

	SPIKE		MATRIX SPIKE		MATRIX SPIKE DUP.			QC LIMITS	
ANALYTE	ADDED	CONCENT. SAMPLE	FOUND	% REC.	FOUND	% REC.	RPD	RPD	REC.
2,4,5-TRICHLOROPHENOL	5160	0	4500	87	4810	93	7	30	34 - 121

Response Factor Report 5973-A

Method : J:\ACQUDATA\5973A\METHODS\82701113.M (RTE Integrator)
Title : 8270 BNA ANALYSIS
Last Update : Wed Nov 14 09:03:55 2007
Response via : Initial Calibration

Calibration Files
10 =BQ202.D 50 =BQ203.D 80 =BQ204.D
100 =BQ205.D 120 =BQ206.D 160 =BQ207.D

		Compound	10	50	80	100	120	160	Avg	%RSD
1)	IR	d4-1,4-Dichlorobenzen	----------ISTD----------							
2)	T	Pyridine	0.993	1.035	1.007	1.000	0.968	0.945	0.991	3.18
3)	T	N-Nitrosodimethylam	0.564	0.567	0.557	0.558	0.544	0.531	0.554	2.41
4)	S	SURR1,2-FLUOROPHENO	1.110	1.168	1.134	1.108	1.074	1.061	1.109	3.52
5)	T	Benzaldehyde		0.786	0.578	0.476	0.387	0.280	0.501	38.55 Av
6)	T	Aniline	1.964	1.967	1.840	1.783	1.703	1.691	1.825	6.68
7)	S	SURR2,PHENOL-D6	1.582	1.651	1.545	1.514	1.450	1.417	1.526	5.63
8)	TMC	Phenol	1.851	1.843	1.702	1.647	1.570	1.535	1.692	7.91
9)	T	bis(2-Clethyl)Ether	1.282	1.321	1.255	1.236	1.196	1.177	1.245	4.31
10)	TM	2-Chlorophenol	1.321	1.397	1.316	1.309	1.235	1.218	1.299	5.02
11)	T	1,3-Diclbenzene	1.623	1.611	1.540	1.538	1.472	1.441	1.538	4.73
12)	TMC	1,4-Dichlorobenzene	1.640	1.636	1.550	1.536	1.481	1.443	1.547	5.16
13)	T	1,2-Diclbenzene	1.523	1.536	1.450	1.457	1.404	1.400	1.462	3.93
14)	T	Benzyl Alcohol	1.012	1.168	1.110	1.093	1.053	1.064	1.083	4.94
15)	T	2,2'-oxybis(1-Chlor	1.594	1.579	1.453	1.404	1.337	1.232	1.433	9.78
16)	T	2-Methylphenol	1.221	1.285	1.212	1.207	1.165	1.148	1.206	3.99
17)	T	Acetophenone	1.845	1.947	1.782	1.751	1.656	1.625	1.768	6.75
18)	TMP	N-Nitroso-Di-n-prop	0.969	1.015	0.950	0.945	0.905	0.909	0.949	4.30
19)	T	Hexachloroethane	0.597	0.639	0.627	0.626	0.614	0.616	0.620	2.30
20)	T	4-Methylphenol	1.300	1.361	1.272	1.255	1.208	1.184	1.263	5.07
21)	T	1-Methyl-2-pyrrolid	0.822	0.928	0.870	0.858	0.833	0.873	0.864	4.32
22)	IR	d8-Naphthalene	----------ISTD----------							
23)	S	SURR4,NITROBENZENE-	0.376	0.395	0.390	0.383	0.374	0.372	0.382	2.45
24)	T	Nitrobenzene	0.407	0.404	0.388	0.381	0.370	0.365	0.386	4.47
25)	T	Isophorone	0.587	0.632	0.596	0.596	0.570	0.557	0.590	4.39
26)	TC	2-Nitrophenol	0.164	0.203	0.206	0.208	0.204	0.208	0.199	8.70
27)	T	Benzoic Acid		0.105	0.148	0.152	0.163	0.185	0.151	19.45 LK
28)	T	2,4-Dimethylphenol	0.358	0.359	0.341	0.339	0.325	0.329	0.342	4.15
29)	T	bis(-2-Chloroethoxy	0.427	0.435	0.416	0.410	0.395	0.396	0.413	3.94
30)	TC	2,4-Dichlorophenol	0.281	0.309	0.307	0.304	0.293	0.299	0.299	3.52
31)	TM	1,2,4-Trichlorobenz	0.363	0.351	0.346	0.345	0.334	0.339	0.346	2.88
32)	T	Naphthalene	1.118	1.067	0.996	0.965	0.930	0.867	0.990	9.22
33)	T	4-Chloroaniline	0.416	0.432	0.417	0.409	0.398	0.397	0.412	3.21
34)	TC	Hexachlorobutadiene	0.203	0.213	0.218	0.219	0.211	0.219	0.214	2.95
35)	TMC	4-Chloro-3-methylph	0.290	0.318	0.304	0.298	0.295	0.300	0.301	3.22
36)	T	Caprolactam	0.081	0.116	0.116	0.113	0.113	0.115	0.109	12.81
37)	T	2-Methylnaphthalene	0.708	0.718	0.684	0.669	0.649	0.639	0.678	4.62
38)	T	1-Methylnaphthalene	0.742	0.743	0.706	0.684	0.663	0.653	0.698	5.53
39)	IR	d10-Acenaphthene	----------ISTD----------							
40)	TP	Hexachlorocyclopent	0.181	0.306	0.343	0.361	0.353	0.380	0.321	22.72 LR
41)	TC	2,4,6-Trichlorophen	0.310	0.382	0.386	0.391	0.384	0.397	0.375	8.59

(#) = Out of Range

00666

Response Factor Report 5973-A

Method : J:\ACQUDATA\5973A\METHODS\82701113.M (RTE Integrator)
Title : 8270 BNA ANALYSIS
Last Update : Wed Nov 14 09:03:55 2007
Response via : Initial Calibration

Calibration Files
10 =BQ202.D 50 =BQ203.D 80 =BQ204.D
100 =BQ205.D 120 =BQ206.D 160 =BQ207.D

		Compound	10	50	80	100	120	160	Avg	%RSD	
42)	T	2,4,5-Trichlorophen	0.327	0.394	0.404	0.411	0.400	0.419	0.393	8.44	
43)	S	SURR5,2-FLUOROBIPHE	1.402	1.375	1.322	1.324	1.279	1.257	1.327	4.15	
44)	T	1,1'-Biphenyl	1.612	1.599	1.543	1.527	1.472	1.417	1.528	4.88	
45)	T	2-Chloronaphthalene	1.146	1.150	1.125	1.118	1.085	1.079	1.117	2.68	
46)	T	2-Nitroaniline		0.352	0.348	0.349	0.343	0.346	0.348	0.94	
47)	T	Acenaphthylene	1.732	1.789	1.717	1.680	1.628	1.579	1.687	4.47	
48)	T	Dimethyl phthalate	1.215	1.288	1.235	1.232	1.211	1.197	1.230	2.58	
49)	T	2,6-Dinitrotoluene	0.281	0.316	0.314	0.312	0.310	0.313	0.308	4.31	
50)	TMC	Acenaphthene	1.199	1.208	1.168	1.163	1.135	1.121	1.166	2.94	
51)	T	3-Nitroaniline		0.337	0.332	0.327	0.326	0.324	0.329	1.55	
52)	TP	2,4-Dinitrophenol		0.062	0.102	0.110	0.125	0.139	0.108	26.97	L
53)	T	Dibenzofuran	1.692	1.696	1.624	1.588	1.552	1.501	1.609	4.82	
54)	TM	2,4-Dinitrotoluene	0.337	0.401	0.393	0.389	0.390	0.389	0.383	6.09	
55)	TMP	4-Nitrophenol		0.223	0.228	0.224	0.231	0.232	0.228	1.73	
56)	T	Fluorene	1.372	1.397	1.341	1.319	1.302	1.285	1.336	3.22	
57)	T	4-Chlorophenyl-phen	0.690	0.691	0.674	0.682	0.677	0.695	0.685	1.24	
58)	T	Diethylphthalate	1.205	1.276	1.215	1.209	1.188	1.160	1.209	3.17	
59)	T	4-Nitroaniline		0.327	0.321	0.307	0.291	0.301	0.309	4.65	
60)	S	SURR3,2,4,6-TRIBROM	0.158	0.235	0.240	0.246	0.249	0.256	0.230	15.76	L
61)	IR	d10-Phenanthrene	ISTD								
62)	T	1-Phenyl-1(4-methyl	0.471	0.485	0.490	0.499	0.486	0.505	0.489	2.39	
63)	T	4,6-Dinitro-2-methy		0.109	0.123	0.124	0.131	0.140	0.125	9.16	
64)	T	1,2 Diphenylhydrazi	0.770	0.773	0.765	0.767	0.737	0.726	0.756	2.63	
65)	TC	N-Nitrosodiphenylam	0.615	0.619	0.623	0.623	0.608	0.617	0.618	0.92	
66)	T	4-Bromophenyl-pheny	0.224	0.236	0.241	0.245	0.239	0.251	0.239	3.80	
67)	T	1-Phenyl-1(2,4-dime	0.570	0.588	0.595	0.608	0.591	0.606	0.593	2.34	
68)	T	Hexachlorobenzene	0.255	0.268	0.270	0.274	0.274	0.284	0.271	3.49	
69)	T	Atrazine	0.108	0.118	0.118	0.120	0.118	0.122	0.117	4.18	
70)	TCM	Pentachlorophenol		0.067	0.088	0.099	0.104	0.119	0.095	20.38	L
71)	T	Phenanthrene	1.081	1.071	1.037	1.024	1.001	0.979	1.032	3.85	
72)	T	Anthracene	1.046	1.066	1.043	1.035	0.997	0.980	1.028	3.16	
73)	T	Carbazole	0.949	0.960	0.936	0.914	0.878	0.875	0.919	3.92	
74)	T	Di-n-butylphthalate	0.972	1.128	1.103	1.071	1.059	1.025	1.060	5.29	
75)	TC	Fluoranthene	1.107	1.152	1.122	1.079	1.074	1.034	1.095	3.79	
76)	IR	d12-Chrysene	ISTD								
77)	T	Benzidine		0.495	0.389	0.358	0.294	0.250	0.357	26.37	BL
78)	TM	Pyrene	1.220	1.177	1.115	1.159	1.094	1.076	1.140	4.79	
79)	S	SURR6,TERPHENYL-D14	0.982	0.970	0.926	0.961	0.916	0.910	0.944	3.27	
80)	T	Butyl benzyl phthal	0.419	0.495	0.493	0.510	0.498	0.509	0.487	7.05	
81)	T	3,3'-Dichlorobenzid	0.363	0.462	0.454	0.451	0.435	0.435	0.433	8.32	
82)	T	Benzo(a)anthracene	1.139	1.187	1.163	1.160	1.135	1.134	1.153	1.81	
83)	T	Chrysene	1.111	1.135	1.111	1.118	1.104	1.109	1.115	0.98	

(#) = Out of Range

00667

Response Factor Report 5973-A

Method : J:\ACQUDATA\5973A\METHODS\82701113.M (RTE Integrator)
Title : 8270 BNA ANALYSIS
Last Update : Wed Nov 14 09:03:55 2007
Response via : Initial Calibration

Calibration Files
10 =BQ202.D 50 =BQ203.D 80 =BQ204.D
100 =BQ205.D 120 =BQ206.D 160 =BQ207.D

		Compound	10	50	80	100	120	160	Avg	%RSD
84)	T	bis(2-Ethylhexyl)ph	0.510	0.657	0.661	0.679	0.683	0.711	0.650	10.98
85)	IR	d12-Perylene	----------ISTD----------							
86)	TC	Di-n-octyl phthalat	0.808	1.136	1.102	1.093	1.103	1.148	1.065	11.98
87)	T	Benzo(b)Fluoranthen	1.242	1.335	1.258	1.264	1.267	1.295	1.277	2.61
88)	T	Benzo(k)fluoranthen	1.273	1.288	1.238	1.212	1.199	1.178	1.231	3.49
89)	TC	Benzo(a)pyrene	1.069	1.215	1.210	1.207	1.186	1.197	1.181	4.72
90)	T	Indeno(1,2,3-cd)Pyr	1.544	1.679	1.679	1.734	1.687	1.683	1.668	3.83
91)	T	Dibenz(a,h)anthrace	1.352	1.428	1.427	1.468	1.426	1.405	1.418	2.70
92)	T	Benzo(g,h,i)perylen	1.353	1.441	1.437	1.491	1.447	1.436	1.434	3.13

(#) = Out of Range

00668

Response Factor Report 5973-B

Method : J:\ACQUDATA\5973B\METHODS\82701206.M (RTE Integrator)
Title : 8270 BNA ANALYSIS
Last Update : Fri Dec 07 09:58:25 2007
Response via : Initial Calibration

Calibration Files
10 =CT138.D 50 =CT139.D 80 =CT140.D
100 =CT141.D 120 =CT142.D 160 =CT143.D

		Compound	10	50	80	100	120	160	Avg	%RSD
1)	IR	d4-1,4-Dichlorobenzen	ISTD							
2)	T	Pyridine	1.375	1.481	1.383	1.411	1.360	1.322	1.389	3.87
3)	T	N-Nitrosodimethylam	0.756	0.795	0.795	0.787	0.784	0.757	0.779	2.29
4)	S	SURR1,2-FLUOROPHENO	1.138	1.292	1.200	1.252	1.219	1.191	1.215	4.37
5)	T	Benzaldehyde		0.773	0.645	0.490	0.415	0.289	0.522	36.46 #
6)	T	Aniline	2.177	2.088	1.999	2.012	1.981	1.883	2.023	4.94
7)	S	SURR2,PHENOL-D6	1.731	1.726	1.691	1.703	1.685	1.625	1.694	2.26
8)	TMC	Phenol	1.885	1.870	1.805	1.785	1.760	1.708	1.802	3.71
9)	M	bis(2-Clethyl)Ether	1.490	1.472	1.449	1.471	1.435	1.412	1.455	1.95
10)	TM	2-Chlorophenol	1.320	1.370	1.351	1.348	1.338	1.311	1.340	1.61
11)	T	1,3-Diclbenzene	1.536	1.623	1.553	1.565	1.523	1.483	1.547	3.01
12)	TMC	1,4-Dichlorobenzene	1.593	1.648	1.568	1.579	1.551	1.504	1.574	3.03
13)	T	1,2-Diclbenzene	1.525	1.496	1.455	1.453	1.429	1.408	1.461	2.95
14)	T	Benzyl Alcohol	1.383	1.435	1.420	1.419	1.383	1.367	1.401	1.95
15)	T	2,2'-oxybis(1-Chlor	2.152	2.144	2.093	2.069	2.049	1.958	2.078	3.43
16)	T	2-Methylphenol	1.313	1.305	1.276	1.257	1.270	1.253	1.279	1.94
17)	T	Acetophenone	2.197	2.098	2.058	2.053	1.989	1.983	2.063	3.83
18)	TMP	N-Nitroso-Di-n-prop	1.313	1.240	1.208	1.218	1.183	1.177	1.223	4.07
19)	T	Hexachloroethane	0.659	0.693	0.682	0.688	0.684	0.674	0.680	1.78
20)	T	4-Methylphenol	1.343	1.382	1.359	1.347	1.381	1.333	1.357	1.50
21)	T	1-Methyl-2-pyrrolid	0.922	0.928	0.943	0.910	0.951	0.931	0.931	1.59
22)	IR	d8-Naphthalene	ISTD							
23)	S	SURR4,NITROBENZENE-	0.453	0.473	0.451	0.466	0.436	0.449	0.455	2.89
24)	T	Nitrobenzene	0.492	0.497	0.476	0.478	0.469	0.463	0.479	2.75
25)	T	Isophorone	0.704	0.721	0.715	0.691	0.689	0.671	0.699	2.63
26)	TC	2-Nitrophenol	0.179	0.195	0.193	0.193	0.192	0.193	0.191	3.02
27)	T	Benzoic Acid		0.053	0.108	0.130	0.141	0.167	0.120	36.01 #
28)	T	2,4-Dimethylphenol	0.379	0.389	0.378	0.378	0.370	0.366	0.377	2.18
29)	T	bis(-2-Chloroethoxy	0.470	0.474	0.475	0.465	0.457	0.464	0.467	1.52
30)	TC	2,4-Dichlorophenol	0.262	0.292	0.298	0.289	0.289	0.293	0.287	4.42
31)	TM	1,2,4-Trichlorobenz	0.352	0.364	0.360	0.358	0.347	0.352	0.356	1.73
32)	T	Naphthalene	1.067	1.069	1.047	1.012	0.995	0.971	1.027	3.92
33)	T	4-Chloroaniline	0.431	0.419	0.415	0.403	0.398	0.390	0.409	3.67
34)	TC	Hexachlorobutadiene	0.217	0.230	0.226	0.230	0.223	0.229	0.226	2.30
35)	TMC	4-Chloro-3-methylph	0.310	0.325	0.336	0.322	0.326	0.321	0.323	2.62
36)	T	Caprolactam	0.105	0.112	0.116	0.113	0.116	0.116	0.113	3.83
37)	T	2-Methylnaphthalene	0.682	0.683	0.680	0.661	0.661	0.653	0.670	1.95
38)	T	1-Methylnaphthalene	0.714	0.698	0.692	0.676	0.668	0.666	0.686	2.77
39)	IR	d10-Acenaphthene	ISTD							
40)	TP	Hexachlorocyclopent	0.184	0.305	0.322	0.343	0.317	0.340	0.302	19.67 #
41)	TC	2,4,6-Trichlorophen	0.267	0.352	0.358	0.370	0.366	0.378	0.348	11.80

(#) = Out of Range

08730

Response Factor Report 5973-B

Method : J:\ACQUDATA\5973B\METHODS\82701206.M (RTE Integrator)
Title : 8270 BNA ANALYSIS
Last Update : Fri Dec 07 09:58:25 2007
Response via : Initial Calibration

Calibration Files
10 =CT138.D 50 =CT139.D 80 =CT140.D
100 =CT141.D 120 =CT142.D 160 =CT143.D

		Compound	10	50	80	100	120	160	Avg	%RSD	
42)	T	2,4,5-Trichlorophen	0.283	0.369	0.375	0.387	0.380	0.398	0.365	11.37	
43)	S	SURR5,2-FLUOROBIPHE	1.332	1.354	1.338	1.361	1.303	1.330	1.336	1.54	
44)	T	1,1'-Biphenyl	1.526	1.581	1.512	1.516	1.472	1.469	1.513	2.71	
45)	T	2-Chloronaphthalene	1.124	1.167	1.118	1.152	1.112	1.127	1.133	1.89	
46)	T	2-Nitroaniline		0.447	0.430	0.443	0.435	0.442	0.440	1.55	
47)	T	Acenaphthylene	1.718	1.773	1.707	1.706	1.666	1.657	1.704	2.44	
48)	T	Dimethyl phthalate	1.222	1.262	1.244	1.223	1.220	1.224	1.232	1.39	
49)	T	2,6-Dinitrotoluene	0.285	0.307	0.303	0.309	0.304	0.302	0.302	2.86	
50)	TMC	Acenaphthene	1.150	1.191	1.158	1.144	1.129	1.104	1.146	2.53	
51)	T	3-Nitroaniline		0.318	0.311	0.306	0.308	0.307	0.310	1.59	
52)	TP	2,4-Dinitrophenol		0.072	0.102	0.115	0.125	0.152	0.113	26.29	A
53)	T	Dibenzofuran	1.687	1.712	1.640	1.636	1.601	1.583	1.643	2.99	
54)	TM	2,4-Dinitrotoluene	0.351	0.402	0.401	0.398	0.397	0.404	0.392	5.20	
55)	TMP	4-Nitrophenol		0.264	0.269	0.277	0.279	0.284	0.275	2.89	
56)	T	Fluorene	1.334	1.376	1.364	1.352	1.327	1.336	1.348	1.42	
57)	T	4-Chlorophenyl-phen	0.672	0.691	0.687	0.690	0.681	0.693	0.686	1.17	
58)	T	Diethylphthalate	1.206	1.275	1.260	1.233	1.229	1.212	1.236	2.19	
59)	T	4-Nitroaniline		0.324	0.321	0.313	0.315	0.315	0.317	1.47	
60)	S	SURR3,2,4,6-TRIBROM	0.152	0.197	0.204	0.205	0.206	0.209	0.195	11.21	
		ISTD									
61)	IR	d10-Phenanthrene									
62)	T	1-Phenyl-1(4-methyl	0.453	0.468	0.466	0.478	0.466	0.478	0.468	2.02	
63)	T	4,6-Dinitro-2-methy		0.111	0.124	0.128	0.131	0.141	0.127	8.63	
64)	T	1,2 Diphenylhydrazi	0.908	0.922	0.918	0.919	0.887	0.882	0.906	1.93	
65)	TC	N-Nitrosodiphenylam	0.596	0.605	0.604	0.601	0.595	0.607	0.601	0.83	
66)	T	4-Bromophenyl-pheny	0.214	0.222	0.221	0.226	0.218	0.226	0.221	2.12	
67)	T	1-Phenyl-1(2,4-dime	0.557	0.577	0.584	0.595	0.576	0.587	0.579	2.22	
68)	T	Hexachlorobenzene	0.238	0.240	0.237	0.242	0.239	0.244	0.240	1.16	
69)	T	Atrazine	0.104	0.102	0.101	0.104	0.102	0.104	0.103	1.29	
70)	TCM	Pentachlorophenol		0.067	0.084	0.091	0.098	0.109	0.090	17.49	LA
71)	T	Phenanthrene	1.032	1.047	1.017	1.014	1.006	0.992	1.018	1.89	
72)	T	Anthracene	1.013	1.049	1.028	1.039	1.017	1.012	1.026	1.48	
73)	T	Carbazole	0.924	0.985	0.946	0.940	0.931	0.923	0.942	2.46	
74)	T	Di-n-butylphthalate	1.020	1.136	1.115	1.109	1.100	1.095	1.096	3.62	
75)	TC	Fluoranthene	1.054	1.171	1.107	1.084	1.069	1.089	1.096	3.74	
		ISTD									
76)	IR	d12-Chrysene									
77)	T	Benzidine		0.402	0.328	0.274	0.232	0.189	0.285	29.15	A1
78)	TM	Pyrene	1.223	1.175	1.167	1.143	1.147	1.094	1.158	3.66	
79)	S	SURR6,TERPHENYL-D14	0.928	0.925	0.921	0.907	0.908	0.887	0.913	1.70	
80)	T	Butyl benzyl phthal	0.467	0.505	0.502	0.501	0.503	0.501	0.496	2.95	
81)	T	3,3'-Dichlorobenzid	0.369	0.433	0.420	0.415	0.405	0.393	0.406	5.59	
82)	T	Benzo(a)anthracene	1.117	1.171	1.144	1.137	1.125	1.121	1.136	1.75	
83)	T	Chrysene	1.074	1.121	1.092	1.101	1.075	1.075	1.090	1.75	

(#) = Out of Range

00731

Response Factor Report 5973-B

Method : J:\ACQUDATA\5973B\METHODS\82701206.M (RTE Integrator)
Title : 8270 BNA ANALYSIS
Last Update : Fri Dec 07 09:58:25 2007
Response via : Initial Calibration

Calibration Files
10 =CT138.D 50 =CT139.D 80 =CT140.D
100 =CT141.D 120 =CT142.D 160 =CT143.D

		Compound	10	50	80	100	120	160	Avg	%RSD
84)	T	bis(2-Ethylhexyl)ph	0.605	0.677	0.675	0.678	0.682	0.691	0.668	4.68
85)	IR	d12-Perylene	----------	----------	----------	ISTD	----------	----------		
86)	TC	Di-n-octyl phthalat	0.982	1.151	1.140	1.152	1.191	1.220	1.139	7.25
87)	T	Benzo(b)Fluoranthen	1.187	1.317	1.278	1.246	1.235	1.248	1.252	3.49
88)	T	Benzo(k)fluoranthen	1.187	1.250	1.242	1.248	1.234	1.244	1.234	1.94
89)	TC	Benzo(a)pyrene	1.053	1.207	1.200	1.203	1.182	1.207	1.175	5.17
90)	T	Indeno(1,2,3-cd)Pyr	1.388	1.632	1.634	1.670	1.626	1.655	1.601	6.61
91)	T	Dibenz(a,h)anthrace	1.204	1.390	1.397	1.438	1.414	1.442	1.381	6.44
92)	T	Benzo(g,h,i)perylen	1.214	1.419	1.403	1.438	1.398	1.416	1.381	6.03

00732

Evaluate Continuing Calibration Report

Data File : J:\ACQUDATA\5973B\DATA\121107\CT193.D Vial: 1
Acq On : 11 Dec 2007 10:25 am Operator: Z.Miao
Sample : CALIBRATION CHECK Inst : 5973-B
Misc : 80 PPM STD 8270/625 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : J:\ACQUDATA\5973B\METHODS\82701206.M (RTE Integrator)
Title : 8270 BNA ANALYSIS
Last Update : Fri Dec 07 09:58:25 2007
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
40	TP	Hexachlorocyclopentadiene	80.000	68.334	14.6	88	0.00
41	TC	2,4,6-Trichlorophenol	80.000	78.277	2.2	99	0.00
42	T	2,4,5-Trichlorophenol	80.000	76.632	4.2	97	0.00
43	S	SURR5,2-FLUOROBIPHENYL	80.000	77.568	3.0	100	0.00
44	T	1,1'-Biphenyl	80.000	78.270	2.2	101	0.00
45	T	2-Chloronaphthalene	80.000	78.340	2.1	103	0.00
46	T	2-Nitroaniline	80.000	83.010	-3.8	110	0.00
47	T	Acenaphthylene	80.000	79.041	1.2	102	0.00
48	T	Dimethyl phthalate	80.000	81.451	-1.8	104	0.00
49	T	2,6-Dinitrotoluene	80.000	81.863	-2.3	105	0.00
50	TMC	Acenaphthene	80.000	80.519	-0.6	103	0.00
51	T	3-Nitroaniline	80.000	82.530	-3.2	106	0.00
52	TP	2,4-Dinitrophenol	80.000	47.800	40.3#	69	0.00
53	T	Dibenzofuran	80.000	80.584	-0.7	104	0.00
54	TM	2,4-Dinitrotoluene	80.000	84.247	-5.3	106	0.00
55	TMP	4-Nitrophenol	80.000	71.859	10.2	95	0.00
56	T	Fluorene	80.000	81.166	-1.5	104	0.00
57	T	4-Chlorophenyl-phenylether	80.000	79.985	0.0	103	0.00
58	T	Diethylphthalate	80.000	81.754	-2.2	104	0.00
59	T	4-Nitroaniline	80.000	85.120	-6.4	109	0.00
60	S	SURR3,2,4,6-TRIBROMOPHENOL	80.000	84.190	-5.2	104	0.00
61	IR	d10-Phenanthrene	40.000	40.000	0.0	106	0.00
62	T	1-Phenyl-1(4-methylphenyl)e	80.000	78.428	2.0	104	0.00
63	T	4,6-Dinitro-2-methylphenol	80.000	74.120	7.3	101	0.00
64	T	1,2 Diphenylhydrazine	80.000	80.026	-0.0	105	0.00
65	TC	N-Nitrosodiphenylamine	80.000	78.854	1.4	104	0.00
66	T	4-Bromophenyl-phenylether	80.000	79.797	0.3	106	0.00
67	T	1-Phenyl-1(2,4-dimethylphen	80.000	78.871	1.4	104	0.00
68	T	Hexachlorobenzene	80.000	79.794	0.3	107	0.00
69	T	Atrazine	80.000	78.035	2.5	105	0.00
70	TCM	Pentachlorophenol	80.000	69.691	12.9	87	0.00
71	T	Phenanthrene	80.000	80.168	-0.2	106	0.00
72	T	Anthracene	80.000	80.714	-0.9	107	0.00
73	T	Carbazole	80.000	82.039	-2.5	108	0.00
74	T	Di-n-butylphthalate	80.000	82.352	-2.9	107	0.00
75	TC	Fluoranthene	80.000	83.329	-4.2	109	0.00
76	IR	d12-Chrysene	40.000	40.000	0.0	115	0.00
77	T	Benzidine	80.000	66.019	17.5	83	0.00
78	TM	Pyrene	80.000	77.135	3.6	110	0.00

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : J:\ACQUDATA\5973B\DATA\121107\CT193.D
Acq On : 11 Dec 2007 10:25 am
Sample : CALIBRATION CHECK
Misc : 80 PPM STD 8270/625
MS Integration Params: RTEINT.P

Vial: 1
Operator: Z.Miao
Inst : 5973-B
Multiplr: 1.00

Method : J:\ACQUDATA\5973B\METHODS\82701206.M (RTE Integrator)
Title : 8270 BNA ANALYSIS
Last Update : Fri Dec 07 09:58:25 2007
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	IR	d4-1,4-Dichlorobenzene	40.000	40.000	0.0	94	0.00
2	T	Pyridine	80.000	85.667	-7.1	101	0.00
3	T	N-Nitrosodimethylamine	80.000	88.320	-10.4	102	0.00
4	S	SURR1,2-FLUOROPHENOL	80.000	83.033	-3.8	99	0.00
5	T	Benzaldehyde	80.000	65.558	18.1	63	0.00
6	T	Aniline	80.000	83.770	-4.7	100	0.00
7	S	SURR2,PHENOL-D6	80.000	85.045	-6.3	100	0.00
8	TMC	Phenol	80.000	85.549	-6.9	101	0.00
9	M	bis(2-Clethyl)Ether	80.000	82.947	-3.7	98	0.00
10	TM	2-Chlorophenol	80.000	82.877	-3.6	97	0.00
11	T	1,3-Diclbenzene	80.000	80.973	-1.2	95	0.00
12	TMC	1,4-Dichlorobenzene	80.000	81.488	-1.9	96	0.00
13	T	1,2-Diclbenzene	80.000	80.850	-1.1	96	0.00
14	T	Benzyl Alcohol	80.000	86.569	-8.2	101	0.00
15	T	2,2'-oxybis(1-Chloropropane	80.000	86.660	-8.3	101	0.00
16	T	2-Methylphenol	80.000	84.556	-5.7	100	0.00
17	T	Acetophenone	80.000	84.242	-5.3	99	0.00
18	TMP	N-Nitroso-Di-n-propylamine	80.000	85.404	-6.8	102	0.00
19	T	Hexachloroethane	80.000	81.641	-2.1	96	0.00
20	T	4-Methylphenol	80.000	85.678	-7.1	101	0.00
21	T	1-Methyl-2-pyrrolidinone	80.000	89.042	-11.3	104	0.00
22	IR	d8-Naphthalene	40.000	40.000	0.0	100	0.00
23	S	SURR4,NITROBENZENE-D5	80.000	82.147	-2.7	103	0.00
24	T	Nitrobenzene	80.000	79.515	0.6	100	0.00
25	T	Isophorone	80.000	84.980	-6.2	103	0.00
26	TC	2-Nitrophenol	80.000	80.960	-1.2	100	0.00
27	T	Benzoic Acid	80.000	68.906	13.9	73	0.00
28	T	2,4-Dimethylphenol	80.000	82.711	-3.4	103	0.00
29	T	bis(-2-Chloroethoxy)Methane	80.000	81.470	-1.8	100	0.00
30	TC	2,4-Dichlorophenol	80.000	82.255	-2.8	99	0.00
31	TM	1,2,4-Trichlorobenzene	80.000	79.411	0.7	98	0.00
32	T	Naphthalene	80.000	80.655	-0.8	99	0.00
33	T	4-Chloroaniline	80.000	82.761	-3.5	102	0.00
34	TC	Hexachlorobutadiene	80.000	77.622	3.0	97	0.00
35	TMC	4-Chloro-3-methylphenol	80.000	84.973	-6.2	102	0.00
36	T	Caprolactam	80.000	88.421	-10.5	108	0.00
37	T	2-Methylnaphthalene	80.000	82.117	-2.6	101	0.00
38	T	1-Methylnaphthalene	80.000	82.197	-2.7	101	0.00
39	IR	d10-Acenaphthene	40.000	40.000	0.0	104	0.00

(#) = Out of Range

00798

Evaluate Continuing Calibration Report

Data File : J:\ACQUDATA\5973B\DATA\121107\CT193.D Vial: 1
Acq On : 11 Dec 2007 10:25 am Operator: Z.Miao
Sample : CALIBRATION CHECK Inst : 5973-B
Misc : 80 PPM STD 8270/625 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : J:\ACQUDATA\5973B\METHODS\82701206.M (RTE Integrator)
Title : 8270 BNA ANALYSIS
Last Update : Fri Dec 07 09:58:25 2007
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
79	S	SURR6,TERPHENYL-D14	80.000	77.816	2.7	111	0.00
80	T	Butyl benzyl phthalate	80.000	80.456	-0.6	114	0.00
81	T	3,3'-Dichlorobenzidine	80.000	78.205	2.2	109	0.00
82	T	Benzo(a)anthracene	80.000	80.236	-0.3	115	0.00
83	T	Chrysene	80.000	79.630	0.5	114	0.00
84	T	bis(2-Ethylhexyl)phthalate	80.000	80.754	-0.9	115	0.00
85	IR	d12-Perylene	40.000	40.000	0.0	115	0.00
86	TC	Di-n-octyl phthalate	80.000	83.068	-3.8	119	0.00
87	T	Benzo(b)Fluoranthene	80.000	81.616	-2.0	115	0.01
88	T	Benzo(k)fluoranthene	80.000	82.100	-2.6	117	0.01
89	TC	Benzo(a)pyrene	80.000	81.229	-1.5	114	0.01
90	T	Indeno(1,2,3-cd)Pyrene	80.000	78.844	1.4	111	0.00
91	T	Dibenz(a,h)anthracene	80.000	78.476	1.9	111	0.02
92	T	Benzo(g,h,i)perylene	80.000	78.253	2.2	111	0.00

00800

Evaluate Continuing Calibration Report

Data File : J:\ACQUDATA\5973B\DATA\121207\CT224.D Vial: 1
Acq On : 12 Dec 2007 10:09 am Operator: Z.Miao
Sample : calibration check Inst : 5973-B
Misc : 80 ppm std 8270/625 LR: 27.40.70 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : J:\ACQUDATA\5973B\METHODS\82701206.M (RTE Integrator)
Title : 8270 BNA ANALYSIS
Last Update : Fri Dec 07 09:58:25 2007
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	IR	d4-1,4-Dichlorobenzene	1.000	1.000	0.0	85	0.00
2	T	Pyridine	1.389	1.549	-11.5	96	0.00
3	T	N-Nitrosodimethylamine	0.779	0.862	-10.7	93	0.00
4	S	SURR1,2-FLUOROPHENOL	1.215	1.269	-4.4	90	0.00
5	T	Benzaldehyde	0.522	0.402	23.0#	53	0.00
6	T	Aniline	2.023	2.059	-1.8	88	0.00
7	S	SURR2,PHENOL-D6	1.694	1.748	-3.2	88	0.00
8	TMC	Phenol	1.802	1.862	-3.3	88	0.00
9	M	bis(2-Clethyl)Ether	1.455	1.450	0.3	86	0.00
10	TM	2-Chlorophenol	1.340	1.359	-1.4	86	0.00
11	T	1,3-Diclbenzene	1.547	1.584	-2.4	87	0.00
12	TMC	1,4-Dichlorobenzene	1.574	1.617	-2.7	88	0.00
13	T	1,2-Diclbenzene	1.461	1.490	-2.0	88	0.00
14	T	Benzyl Alcohol	1.401	1.474	-5.2	89	0.00
15	T	2,2'-oxybis(1-Chloropropane	2.078	2.293	-10.3	94	0.00
16	T	2-Methylphenol	1.279	1.283	-0.3	86	0.00
17	T	Acetophenone	2.063	2.033	1.5	84	0.00
18	TMP	N-Nitroso-Di-n-propylamine	1.223	1.249	-2.1	88	0.00
19	T	Hexachloroethane	0.680	0.703	-3.4	88	0.00
20	T	4-Methylphenol	1.357	1.378	-1.5	87	0.00
21	T	1-Methyl-2-pyrrolidinone	0.931	0.991	-6.4	90	0.00
22	IR	d8-Naphthalene	1.000	1.000	0.0	88	0.00
23	S	SURR4,NITROBENZENE-D5	0.455	0.469	-3.1	91	0.00
24	T	Nitrobenzene	0.479	0.493	-2.9	91	0.00
25	T	Isophorone	0.699	0.736	-5.3	90	0.00
26	TC	2-Nitrophenol	0.191	0.194	-1.6	88	0.00
27	T	Benzoic Acid	0.120	0.096	20.0	78	0.00
28	T	2,4-Dimethylphenol	0.377	0.387	-2.7	90	0.00
29	T	bis(-2-Chloroethoxy)Methane	0.467	0.478	-2.4	88	0.00
30	TC	2,4-Dichlorophenol	0.287	0.292	-1.7	86	0.00
31	TM	1,2,4-Trichlorobenzene	0.356	0.347	2.5	84	0.00
32	T	Naphthalene	1.027	1.043	-1.6	87	0.00
33	T	4-Chloroaniline	0.409	0.415	-1.5	88	0.00
34	TC	Hexachlorobutadiene	0.226	0.216	4.4	83	0.00
35	TMC	4-Chloro-3-methylphenol	0.323	0.328	-1.5	86	0.00
36	T	Caprolactam	0.113	0.122	-8.0	92	0.00
37	T	2-Methylnaphthalene	0.670	0.678	-1.2	87	0.00
38	T	1-Methylnaphthalene	0.686	0.705	-2.8	89	0.00
39	IR	d10-Acenaphthene	1.000	1.000	0.0	88	0.00

(#) = Out of Range

00805

Evaluate Continuing Calibration Report

Data File : J:\ACQUDATA\5973B\DATA\121207\CT224.D Vial: 1
Acq On : 12 Dec 2007 10:09 am Operator: Z.Miao
Sample : calibration check Inst : 5973-B
Misc : 80 ppm std 8270/625 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : J:\ACQUDATA\5973B\METHODS\82701206.M (RTE Integrator)
Title : 8270 BNA ANALYSIS
Last Update : Fri Dec 07 09:58:25 2007
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
40	TP	Hexachlorocyclopentadiene	0.302	0.261	13.6	71	0.00
41	TC	2,4,6-Trichlorophenol	0.348	0.346	0.6	85	0.00
42	T	2,4,5-Trichlorophenol	0.365	0.356	2.5	83	0.00
43	S	SURR5,2-FLUOROBIPHENYL	1.336	1.326	0.7	87	0.00
44	T	1,1'-Biphenyl	1.513	1.514	-0.1	88	0.00
45	T	2-Chloronaphthalene	1.133	1.125	0.7	88	0.00
46	T	2-Nitroaniline	0.440	0.474	-7.7	96	0.00
47	T	Acenaphthylene	1.704	1.740	-2.1	89	0.00
48	T	Dimethyl phthalate	1.232	1.282	-4.1	90	0.00
49	T	2,6-Dinitrotoluene	0.302	0.314	-4.0	91	0.00
50	TMC	Acenaphthene	1.146	1.179	-2.9	89	0.00
51	T	3-Nitroaniline	0.310	0.320	-3.2	90	0.00
52	TP	2,4-Dinitrophenol	0.113	0.070	38.1#	61	0.00
53	T	Dibenzofuran	1.643	1.680	-2.3	90	0.00
54	TM	2,4-Dinitrotoluene	0.392	0.408	-4.1	89	0.00
55	TMP	4-Nitrophenol	0.275	0.268	2.5	87	0.00
56	T	Fluorene	1.348	1.386	-2.8	89	0.00
57	T	4-Chlorophenyl-phenylether	0.686	0.678	1.2	86	0.00
58	T	Diethylphthalate	1.236	1.312	-6.1	91	0.00
59	T	4-Nitroaniline	0.317	0.333	-5.0	91	0.00
60	S	SURR3,2,4,6-TRIBROMOPHENOL	0.195	0.199	-2.1	85	0.00
61	IR	d10-Phenanthrene	1.000	1.000	0.0	88	0.00
62	T	1-Phenyl-1(4-methylphenyl)e	0.468	0.475	-1.5	90	0.00
63	T	4,6-Dinitro-2-methylphenol	0.127	0.115	9.4	82	0.00
64	T	1,2 Diphenylhydrazine	0.906	0.962	-6.2	92	0.00
65	TC	N-Nitrosodiphenylamine	0.601	0.613	-2.0	89	0.00
66	T	4-Bromophenyl-phenylether	0.221	0.224	-1.4	89	0.00
67	T	1-Phenyl-1(2,4-dimethylphen	0.579	0.585	-1.0	88	0.00
68	T	Hexachlorobenzene	0.240	0.242	-0.8	90	0.00
69	T	Atrazine	0.103	0.099	3.9	86	0.00
70	TCM	Pentachlorophenol	0.090	0.067	25.6	71	0.00
71	T	Phenanthrene	1.018	1.037	-1.9	90	0.00
72	T	Anthracene	1.026	1.054	-2.7	90	0.00
73	T	Carbazole	0.942	0.962	-2.1	89	0.00
74	T	Di-n-butylphthalate	1.096	1.153	-5.2	91	0.00
75	TC	Fluoranthene	1.096	1.104	-0.7	88	0.00
76	IR	d12-Chrysene	1.000	1.000	0.0	91	0.00
77	T	Benzidine	0.285	0.218	23.5#	61	0.00
78	TM	Pyrene	1.158	1.131	2.3	88	0.00

(#) = Out of Range

00806

Evaluate Continuing Calibration Report

Data File : J:\ACQUDATA\5973B\DATA\121207\CT224.D Vial: 1
Acq On : 12 Dec 2007 10:09 am Operator: Z.Miao
Sample : calibration check Inst : 5973-B
Misc : 80 ppm std 8270/625 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : J:\ACQUDATA\5973B\METHODS\82701206.M (RTE Integrator)
Title : 8270 BNA ANALYSIS
Last Update : Fri Dec 07 09:58:25 2007
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
79	S	SURR6,TERPHENYL-D14	0.913	0.884	3.2	87	0.00
80	T	Butyl benzyl phthalate	0.496	0.507	-2.2	92	0.00
81	T	3,3'-Dichlorobenzidine	0.406	0.399	1.7	86	0.00
82	T	Benzo(a)anthracene	1.136	1.155	-1.7	92	0.00
83	T	Chrysene	1.090	1.094	-0.4	91	0.00
84	T	bis(2-Ethylhexyl)phthalate	0.668	0.707	-5.8	95	0.00
85	IR	d12-Perylene	1.000	1.000	0.0	95	0.00
86	TC	Di-n-octyl phthalate	1.139	1.197	-5.1	100	0.00
87	T	Benzo(b)Fluoranthene	1.252	1.270	-1.4	95	0.00
88	T	Benzo(k)fluoranthene	1.234	1.269	-2.8	97	0.00
89	TC	Benzo(a)pyrene	1.175	1.187	-1.0	94	0.00
90	T	Indeno(1,2,3-cd)Pyrene	1.601	1.653	-3.2	96	0.00
91	T	Dibenz(a,h)anthracene	1.381	1.414	-2.4	96	0.01
92	T	Benzo(g,h,i)perylene	1.381	1.420	-2.8	96	0.00

00807

Evaluate Continuing Calibration Report

Data File : J:\ACQUDATA\5973A\DATA\122007\BQ604.D Vial: 1
Acq On : 20 Dec 2007 11:14 am Operator: Z.Miao
Sample : calibration check Inst : 5973-A
Misc : 80 ppm std 8270/625 Multiplr: 1.00
MS Integration Params: RTEINT.P

LR: #27, 40, 52 60, 70

Method : J:\ACQUDATA\5973A\METHODS\82701113.M (RTE Integrator)
Title : 8270 BNA ANALYSIS
Last Update : Mon Dec 10 15:58:21 2007
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	IR	d4-1,4-Dichlorobenzene	1.000	1.000	0.0	90	0.00
2	T	Pyridine	0.991	1.053	-6.3	94	-0.04
3	T	N-Nitrosodimethylamine	0.554	0.595	-7.4	96	-0.04
4	S	SURR1,2-FLUOROPHENOL	1.109	1.108	0.1	88	0.00
5	T	Benzaldehyde	0.501	0.341	31.9#	53	0.00
6	T	Aniline	1.825	1.583	13.3	78	0.00
7	S	SURR2,PHENOL-D6	1.526	1.527	-0.1	89	0.01
8	TMC	Phenol	1.692	1.650	2.5	87	0.01
9	T	bis(2-Clethyl)Ether	1.245	1.184	4.9	85	0.00
10	TM	2-Chlorophenol	1.299	1.344	-3.5	92	0.00
11	T	1,3-Diclbenzene	1.538	1.598	-3.9	94	0.00
12	TMC	1,4-Dichlorobenzene	1.547	1.599	-3.4	93	0.00
13	T	1,2-Diclbenzene	1.462	1.498	-2.5	93	0.00
14	T	Benzyl Alcohol	1.083	1.139	-5.2	93	0.00
15	T	2,2'-oxybis(1-Chloropropane	1.433	1.165	18.7	72	0.00
16	T	2-Methylphenol	1.206	1.187	1.6	88	0.00
17	T	Acetophenone	1.768	1.840	-4.1	93	0.00
18	TMP	N-Nitroso-Di-n-propylamine	0.949	0.947	0.2	90	0.00
19	T	Hexachloroethane	0.620	0.665	-7.3	96	0.00
20	T	4-Methylphenol	1.263	1.272	-0.7	90	0.00
21	T	1-Methyl-2-pyrrolidinone	0.864	0.792	8.3	82	0.01
22	IR	d8-Naphthalene	1.000	1.000	0.0	85	-0.01
23	S	SURR4,NITROBENZENE-D5	0.382	0.413	-8.1	90	0.00
24	T	Nitrobenzene	0.386	0.405	-4.9	89	0.00
25	T	Isophorone	0.590	0.612	-3.7	88	0.00
26	TC	2-Nitrophenol	0.199	0.212	-6.5	88	0.00
27	T	Benzoic Acid	0.151	0.191	-26.5#	110	0.02
28	T	2,4-Dimethylphenol	0.342	0.365	-6.7	91	0.00
29	T	bis(-2-Chloroethoxy)Methane	0.413	0.412	0.2	85	0.00
30	TC	2,4-Dichlorophenol	0.299	0.312	-4.3	87	0.00
31	TM	1,2,4-Trichlorobenzene	0.346	0.367	-6.1	90	0.00
32	T	Naphthalene	0.990	1.026	-3.6	88	0.00
33	T	4-Chloroaniline	0.412	0.388	5.8	79	0.00
34	TC	Hexachlorobutadiene	0.214	0.237	-10.7	93	-0.01
35	TMC	4-Chloro-3-methylphenol	0.301	0.302	-0.3	85	0.00
36	T	Caprolactam	0.109	0.102	6.4	75	0.00
37	T	2-Methylnaphthalene	0.678	0.709	-4.6	88	-0.02
38	T	1-Methylnaphthalene	0.698	0.723	-3.6	87	-0.01
39	IR	d10-Acenaphthene	1.000	1.000	0.0	82	-0.03

(#) = Out of Range

00815

Evaluate Continuing Calibration Report

Data File : J:\ACQUDATA\5973A\DATA\122007\BQ604.D Vial: 1
Acq On : 20 Dec 2007 11:14 am Operator: Z.Miao
Sample : calibration check Inst : 5973-A
Misc : 80 ppm std 8270/625 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : J:\ACQUDATA\5973A\METHODS\82701113.M (RTE Integrator)
Title : 8270 BNA ANALYSIS
Last Update : Mon Dec 10 15:58:21 2007
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF		%Dev	Area%	Dev(min)
40	TP	Hexachlorocyclopentadiene	0.321	0.336		-4.7	80	-0.02
41	TC	2,4,6-Trichlorophenol	0.375	0.414		-10.4	88	-0.01
42	T	2,4,5-Trichlorophenol	0.393	0.431		-9.7	87	-0.01
43	S	SURR5,2-FLUOROBIPHENYL	1.327	1.410		-6.3	87	-0.02
44	T	1,1'-Biphenyl	1.528	1.627		-6.5	86	-0.02
45	T	2-Chloronaphthalene	1.117	1.159		-3.8	84	-0.02
46	T	2-Nitroaniline	0.348	0.355		-2.0	83	-0.02
47	T	Acenaphthylene	1.687	1.754		-4.0	83	-0.02
48	T	Dimethyl phthalate	1.230	1.266		-2.9	84	-0.02
49	T	2,6-Dinitrotoluene	0.308	0.300		2.6	78	-0.02
50	TMC	Acenaphthene	1.166	1.223		-4.9	85	-0.02
51	T	3-Nitroaniline	0.329	0.301		8.5	74	-0.01
52	TP	2,4-Dinitrophenol	0.108	0.111		-2.8	89	-0.02
53	T	Dibenzofuran	1.609	1.642		-2.1	82	-0.04
54	TM	2,4-Dinitrotoluene	0.383	0.371		3.1	77	-0.02
55	TMP	4-Nitrophenol	0.228	0.220		3.5	79	0.00
56	T	Fluorene	1.336	1.326		0.7	81	-0.04
57	T	4-Chlorophenyl-phenylether	0.685	0.683		0.3	83	-0.04
58	T	Diethylphthalate	1.209	1.247		-3.1	84	-0.02
59	T	4-Nitroaniline	0.309	0.283		8.4	72	-0.02
60	S	SURR3,2,4,6-TRIBROMOPHENOL	0.230	0.240		-4.3	82	-0.03
61	IR	d10-Phenanthrene	1.000	1.000		0.0	81	-0.04
62	T	1-Phenyl-1(4-methyl-phenyl)	0.489	0.512		-4.7	85	-0.03
63	T	4,6-Dinitro-2-methylphenol	0.125	0.114		8.8	75	-0.03
64	T	1,2 Diphenylhydrazine	0.756	0.781		-3.3	83	-0.03
65	TC	N-Nitrosodiphenylamine	0.618	0.613		0.8	80	-0.03
66	T	4-Bromophenyl-phenylether	0.239	0.241		-0.8	81	-0.04
67	T	1-Phenyl-1(2,4-dimethylphen	0.593	0.617		-4.0	84	-0.04
68	T	Hexachlorobenzene	0.271	0.282		-4.1	85	-0.04
69	T	Atrazine	0.117	0.089		23.9#	61	-0.03
70	TCM	Pentachlorophenol	0.095	0.091		4.2	84	-0.03
71	T	Phenanthrene	1.032	1.065		-3.2	83	-0.04
72	T	Anthracene	1.028	1.060		-3.1	82	-0.04
73	T	Carbazole	0.919	0.938		-2.1	81	-0.04
74	T	Di-n-butylphthalate	1.060	1.145		-8.0	84	-0.04
75	TC	Fluoranthene	1.095	1.192		-8.9	86	-0.05
76	IR	d12-Chrysene	1.000	1.000		0.0	81	-0.08
77	T	Benzidine	0.357	0.174	not use	51.3#	36#	-0.04
78	TM	Pyrene	1.140	1.180		-3.5	86	-0.05

(#) = Out of Range

00816

Evaluate Continuing Calibration Report

Data File : J:\ACQUDATA\5973A\DATA\122007\BQ604.D Vial: 1
Acq On : 20 Dec 2007 11:14 am Operator: Z.Miao
Sample : calibration check Inst : 5973-A
Misc : 80 ppm std 8270/625 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : J:\ACQUDATA\5973A\METHODS\82701113.M (RTE Integrator)
Title : 8270 BNA ANALYSIS
Last Update : Mon Dec 10 15:58:21 2007
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
79	S	SURR6,TERPHENYL-D14	0.944	0.965	-2.2	85	-0.05
80	T	Butyl benzyl phthalate	0.487	0.498	-2.3	82	-0.05
81	T	3,3'-Dichlorobenzidine	0.433	0.444	-2.5	79	-0.08
82	T	Benzo(a)anthracene	1.153	1.192	-3.4	83	-0.09
83	T	Chrysene	1.115	1.134	-1.7	83	-0.09
84	T	bis(2-Ethylhexyl)phthalate	0.650	0.649	0.2	80	-0.09
85	IR	d12-Perylene	1.000	1.000	0.0	83	-0.17
86	TC	Di-n-octyl phthalate	1.065	1.044	2.0	79	-0.14
87	T	Benzo(b)Fluoranthene	1.277	1.259	1.4	83	-0.16
88	T	Benzo(k)fluoranthene	1.231	1.205	2.1	81	-0.17
89	TC	Benzo(a)pyrene	1.181	1.199	-1.5	83	-0.17
90	T	Indeno(1,2,3-cd)Pyrene	1.668	1.792	-7.4	89	-0.17
91	T	Dibenz(a,h)anthracene	1.418	1.514	-6.8	88	-0.18
92	T	Benzo(g,h,i)perylene	1.434	1.524	-6.3	88	-0.20

00817

Nonconformances - CAS SDG R2741248

VOLATILE ORGANICS
METHOD: 8260B

ABORATORY CONTROL SAMPLE SUMMARY

EFERENCE ORDER #: 1065086 ANALYTICAL RUN # : 155058

ANALYTE	TRUE VALUE	% RECOVERY	QC LIMITS
ATE ANALYZED : 12/10/07			
NALYTICAL DILUTION: 1.0			
ACETONE	20.0	130	50 - 150
BENZENE	20.0	113	70 - 130
BROMODICHLOROMETHANE	20.0	123	70 - 130
BROMOFORM	20.0	99	70 - 130
BROMOMETHANE	20.0	93	50 - 150
2-BUTANONE (MEK)	20.0	114	50 - 150
METHYL-TERT-BUTYL ETHER	20.0	128	70 - 130
CARBON DISULFIDE	20.0	115	70 - 130
CARBON TETRACHLORIDE	20.0	113	70 - 130
CHLOROBENZENE	20.0	101	70 - 130
CHLOROETHANE	20.0	112	70 - 130
CHLOROFORM	20.0	120	70 - 130
CHLOROMETHANE	20.0	106	70 - 130
1,2-DIBROMO-3-CHLOROPROPANE	20.0	85	50 - 150
CYCLOHEXANE	20.0	104	70 - 130
DIBROMOCHLOROMETHANE	20.0	97	70 - 130
1,2-DIBROMOETHANE	20.0	99	70 - 130
1,3-DICHLOROBENZENE	20.0	100	70 - 130
1,4-DICHLOROBENZENE	20.0	99	70 - 130
1,2-DICHLOROBENZENE	20.0	99	70 - 130
DICHLORODIFLUOROMETHANE	20.0	143 *	70 - 130
1,1-DICHLOROETHANE	20.0	120	70 - 130
1,2-DICHLOROETHANE	20.0	122	70 - 130
1,1-DICHLOROETHENE	20.0	127	70 - 130
CIS-1,2-DICHLOROETHENE	20.0	126	70 - 130
TRANS-1,2-DICHLOROETHENE	20.0	114	70 - 130
1,2-DICHLOROPROPANE	20.0	119	70 - 130
CIS-1,3-DICHLOROPROPENE	20.0	120	70 - 130
TRANS-1,3-DICHLOROPROPENE	20.0	93	70 - 130
ETHYLBENZENE	20.0	101	70 - 130
2-HEXANONE	20.0	88	70 - 130
ISOPROPYLBENZENE	20.0	101	70 - 130
METHYL ACETATE	20.0	101	50 - 150
METHYLCYCLOHEXANE	20.0	107	50 - 150
METHYLENE CHLORIDE	20.0	130	70 - 130
4-METHYL-2-PENTANONE (MIBK)	20.0	93	70 - 130
STYRENE	20.0	100	70 - 130
1,1,2,2-TETRACHLOROETHANE	20.0	96	70 - 130
TETRACHLOROETHENE	20.0	96	70 - 130
TOLUENE	20.0	104	70 - 130
1,2,4-TRICHLOROBENZENE	20.0	107	70 - 130

OLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD: 8260B

LABORATORY CONTROL SAMPLE SUMMARY

REFERENCE ORDER #: 1065086 ANALYTICAL RUN # : 155058

ANALYTE	TRUE VALUE	% RECOVERY	QC LIMITS
DATE ANALYZED : 12/10/07			
ANALYTICAL DILUTION: 1.0			
1,1,1-TRICHLOROETHANE	20.0	117	70 - 130
1,1,2-TRICHLOROETHANE	20.0	102	70 - 130
TRICHLOROETHENE	20.0	121	70 - 130
TRICHLOROFLUOROMETHANE	20.0	127	70 - 130
1,1,2-TRICHLORO1,2,2-TRIFLUOROETHA	20.0	135 *	70 - 130
VINYL CHLORIDE	20.0	115	70 - 130
O-XYLENE	20.0	99	70 - 130
M+P-XYLENE	40.0	102	70 - 130

OLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD: 8260B

LABORATORY CONTROL SAMPLE SUMMARY

REFERENCE ORDER #: 1065855 ANALYTICAL RUN # : 155204

DATE ANALYZED : 12/11/07
ANALYTICAL DILUTION: 1.0

ANALYTE	TRUE VALUE	% RECOVERY	QC LIMITS
ACETONE	20.0	128	50 - 150
BENZENE	20.0	112	70 - 130
BROMODICHLOROMETHANE	20.0	113	70 - 130
BROMOFORM	20.0	97	70 - 130
BROMOMETHANE	20.0	96	50 - 150
2-BUTANONE (MEK)	20.0	120	50 - 150
METHYL-TERT-BUTYL ETHER	20.0	125	70 - 130
CARBON DISULFIDE	20.0	121	70 - 130
CARBON TETRACHLORIDE	20.0	105	70 - 130
CHLOROBENZENE	20.0	93	70 - 130
CHLOROETHANE	20.0	118	70 - 130
CHLOROFORM	20.0	113	70 - 130
CHLOROMETHANE	20.0	101	70 - 130
1,2-DIBROMO-3-CHLOROPROPANE	20.0	82	50 - 150
CYCLOHEXANE	20.0	109	70 - 130
DIBROMOCHLOROMETHANE	20.0	97	70 - 130
1,2-DIBROMOETHANE	20.0	100	70 - 130
1,3-DICHLOROBENZENE	20.0	92	70 - 130
1,4-DICHLOROBENZENE	20.0	95	70 - 130
1,2-DICHLOROBENZENE	20.0	95	70 - 130
DICHLORODIFLUOROMETHANE	20.0	134 *	70 - 130
1,1-DICHLOROETHANE	20.0	115	70 - 130
1,2-DICHLOROETHANE	20.0	118	70 - 130
1,1-DICHLOROETHENE	20.0	115	70 - 130
CIS-1,2-DICHLOROETHENE	20.0	120	70 - 130
TRANS-1,2-DICHLOROETHENE	20.0	108	70 - 130
1,2-DICHLOROPROPANE	20.0	113	70 - 130
CIS-1,3-DICHLOROPROPENE	20.0	109	70 - 130
TRANS-1,3-DICHLOROPROPENE	20.0	92	70 - 130
ETHYLBENZENE	20.0	95	70 - 130
2-HEXANONE	20.0	95	70 - 130
ISOPROPYLBENZENE	20.0	100	70 - 130
METHYL ACETATE	20.0	109	50 - 150
METHYLCYCLOHEXANE	20.0	108	50 - 150
METHYLENE CHLORIDE	20.0	117	70 - 130
4-METHYL-2-PENTANONE (MIBK)	20.0	100	70 - 130
STYRENE	20.0	98	70 - 130
1,1,2,2-TETRACHLOROETHANE	20.0	98	70 - 130
TETRACHLOROETHENE	20.0	92	70 - 130
TOLUENE	20.0	99	70 - 130
1,2,4-TRICHLOROBENZENE	20.0	100	70 - 130

VOLATILE ORGANICS
METHOD: 8260B

LABORATORY CONTROL SAMPLE SUMMARY

REFERENCE ORDER #: 1065855 ANALYTICAL RUN # : 155204

ANALYTE	TRUE VALUE	% RECOVERY	QC LIMITS
DATE ANALYZED : 12/11/07			
ANALYTICAL DILUTION: 1.0			
1,1,1-TRICHLOROETHANE	20.0	114	70 - 130
1,1,2-TRICHLOROETHANE	20.0	98	70 - 130
TRICHLOROETHENE	20.0	111	70 - 130
TRICHLOROFLUOROMETHANE	20.0	122	70 - 130
1,1,2-TRICHLORO1,2,2-TRIFLUOROETHA	20.0	131 *	70 - 130
VINYL CHLORIDE	20.0	102	70 - 130
O-XYLENE	20.0	94	70 - 130
M+P-XYLENE	40.0	96	70 - 130

OLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD: 8260B

LABORATORY CONTROL SAMPLE SUMMARY

REFERENCE ORDER #: 1065617 ANALYTICAL RUN # : 155190

ANALYTE	TRUE VALUE	% RECOVERY		QC LIMITS
DATE ANALYZED : 12/12/07				
ANALYTICAL DILUTION: 1.0				
ACETONE	20.0	120		50 - 150
BENZENE	20.0	109		70 - 130
BROMODICHLOROMETHANE	20.0	116		70 - 130
BROMOFORM	20.0	103		70 - 130
BROMOMETHANE	20.0	102		50 - 150
2-BUTANONE (MEK)	20.0	104		50 - 150
METHYL-TERT-BUTYL ETHER	20.0	132	*	70 - 130
CARBON DISULFIDE	20.0	100		70 - 130
CARBON TETRACHLORIDE	20.0	112		70 - 130
CHLOROBENZENE	20.0	97		70 - 130
CHLOROETHANE	20.0	115		70 - 130
CHLOROFORM	20.0	114		70 - 130
CHLOROMETHANE	20.0	99		70 - 130
1,2-DIBROMO-3-CHLOROPROPANE	20.0	88		50 - 150
CYCLOHEXANE	20.0	113		70 - 130
DIBROMOCHLOROMETHANE	20.0	103		70 - 130
1,2-DIBROMOETHANE	20.0	104		70 - 130
1,3-DICHLOROBENZENE	20.0	99		70 - 130
1,4-DICHLOROBENZENE	20.0	100		70 - 130
1,2-DICHLOROBENZENE	20.0	101		70 - 130
DICHLORODIFLUOROMETHANE	20.0	135	*	70 - 130
1,1-DICHLOROETHANE	20.0	126		70 - 130
1,2-DICHLOROETHANE	20.0	118		70 - 130
1,1-DICHLOROETHENE	20.0	122		70 - 130
CIS-1,2-DICHLOROETHENE	20.0	124		70 - 130
TRANS-1,2-DICHLOROETHENE	20.0	110		70 - 130
1,2-DICHLOROPROPANE	20.0	121		70 - 130
CIS-1,3-DICHLOROPROPENE	20.0	114		70 - 130
TRANS-1,3-DICHLOROPROPENE	20.0	97		70 - 130
ETHYLBENZENE	20.0	101		70 - 130
2-HEXANONE	20.0	85		70 - 130
ISOPROPYLBENZENE	20.0	102		70 - 130
METHYL ACETATE	20.0	109		50 - 150
METHYLCYCLOHEXANE	20.0	109		50 - 150
METHYLENE CHLORIDE	20.0	123		70 - 130
4-METHYL-2-PENTANONE (MIBK)	20.0	91		70 - 130
STYRENE	20.0	98		70 - 130
1,1,2,2-TETRACHLOROETHANE	20.0	102		70 - 130
TETRACHLOROETHENE	20.0	94		70 - 130
TOLUENE	20.0	110		70 - 130
1,2,4-TRICHLOROBENZENE	20.0	104		70 - 130

OLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD: 8260B

LABORATORY CONTROL SAMPLE SUMMARY

REFERENCE ORDER #: 1065617 ANALYTICAL RUN # : 155190

ANALYTE	TRUE VALUE	% RECOVERY	QC LIMITS
DATE ANALYZED : 12/12/07			
ANALYTICAL DILUTION: 1.0			
1,1,1-TRICHLOROETHANE	20.0	117	70 - 130
1,1,2-TRICHLOROETHANE	20.0	106	70 - 130
TRICHLOROETHENE	20.0	122	70 - 130
TRICHLOROFLUOROMETHANE	20.0	124	70 - 130
1,1,2-TRICHLORO1,2,2-TRIFLUOROETHA	20.0	126	70 - 130
VINYL CHLORIDE	20.0	96	70 - 130
O-XYLENE	20.0	99	70 - 130
M+P-XYLENE	40.0	101	70 - 130

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CASROCH Contract: ENSR

Lab Code: 10145 Case No.: R7-41248 SAS No.: _____ SDG No.: SD6 16-17

Lab File ID (Standard): Q8703.D Date Analyzed: 12/10/07

Instrument ID: MSVOA7 Time Analyzed: 11:07

GC Column: DB624 ID: 0.25 (mm) Heated Purge (Y/N): Y

		IS4 AREA #	RT #	AREA #	RT #	AREA #	RT #
	12 HOUR STD	296464	22.55				
	UPPER LIMIT	592928	22.05				
	LOWER LIMIT	148232	23.05				
	EPA SAMPLE NO.						
01	LCS2	290336	22.55				
02	METBLK2	287214	22.54				
03	SD6 16-17	296651	22.54				
04	SD100	88656*	22.55				
05	SD102	153281	22.54				

IS1 = Pentafluorobenzene
IS2 = 1,4 - Difluorobenzene
IS3 = d5 - Chlorobenzene
IS4 = d4 - Dichlorobenzene

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk.
* Values outside of contract required QC limits

Evaluate Continuing Calibration ...

Data File : J:\ACQUDATA\MSVOA7\DATA\121007\Q8703.D Vial: 27
Acq On : 10 Dec 2007 11:07 am Operator: K.Ruest
Sample : CCV Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : J:\ACQUDATA\MSVOA7\METHODS\SOL1003.M (RTE Integrator)
Title : 8260voa
Last Update : Thu Oct 04 15:14:55 2007
Response via : Multiple Level Calibration

KR 12/10/07

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	93	-0.04
2		Dichlorodifluoromethane	0.598	0.789	-31.9#	135	-0.02
3	p	Chloromethane	0.860	0.834	3.0	99	-0.03
4	c	Vinyl Chloride	0.620	0.663	-6.9	105	-0.02
5		Bromomethane	0.506	0.443	12.5	87	-0.03
6		Chloroethane	0.532	0.557	-4.7	110	-0.03
7		Trichlorofluoromethane	0.794	0.915	-15.2	111	-0.02
8		Diethyl Ether	0.602	0.672	-11.6	108	-0.02
9		FREON 123A	0.964	0.946	1.9	86	-0.03
10		FREON 123	0.989	0.968	2.1	86	-0.03
11		Acrolein	0.142	0.136	4.2	87	-0.03
12		FREON 113	0.251	0.326	-29.9#	127	-0.03
13	c	1,1-Diclethene	0.477	0.539	-13.0	115	-0.03
14		Acetone	0.364	0.428	-17.6	114	-0.02
15		2-Propanol	0.111	0.107	3.6	87	-0.02
16		Iodomethane	0.486	0.467	3.9	85	-0.03
17		Carbon Disulfide	2.321	2.630	-13.3	104	-0.03
18		Acetonitrile	0.142	0.166	-16.9	117	-0.03
19		Allyl Chloride	1.551	1.659	-7.0	103	-0.03
20		Methyl Acetate	1.406	1.500	-6.7	98	-0.02
21		Methylene Chloride	0.711	0.817	-14.9	115	-0.03
22		TBA	0.139	0.149	-7.2	101	-0.03
23		Acrylonitrile	0.409	0.441	-7.8	104	-0.03
24		Methyl-t-Butyl Ether	1.824	2.157	-18.3	117	-0.03
25		trans-1,2-Dichloroethene	0.656	0.684	-4.3	111	-0.03
26	p	1,1-Diclethane	1.429	1.660	-16.2	116	-0.04
27		Vinyl Acetate	1.334	1.399	-4.9	95	-0.03
28		2-Chloro-1,3-butadiene	0.944	1.332	-41.1#	127	-0.04
29		2,2-Dichloropropane	0.970	1.095	-12.9	118	-0.04
30		2-Butanone	0.765	0.868	-13.5	105	-0.03
31		cis-1,2-Dichloroethene	0.736	0.815	-10.7	114	-0.03
32		Propionitrile	0.172	0.180	-4.7	103	-0.04
33		Methacrylonitrile	0.376	0.448	-19.1	113	-0.04
34		Bromochloromethane	0.427	0.478	-11.9	120	-0.04
35	c	Chloroform	1.262	1.452	-15.1	115	-0.03
36		Tetrahydrofuran	0.482	0.532	-10.4	113	-0.04
37		1,1,1-Trichloroethane	0.885	1.018	-15.0	118	-0.04
38		Cyclohexane	1.743	1.736	0.4	91	-0.04
39	I	1,4 - Difluorobenzene	1.000	1.000	0.0	99	-0.05
40	s	surr4,Dibrflmethane	0.400	0.361	9.8	94	-0.04
41		Carbontetrachloride	0.459	0.510	-11.1	116	-0.04
42		1,1-Dichloropropene	0.603	0.663	-10.0	114	-0.04
43		Iso-Butyl Alcohol	0.047	0.049	-4.3	97	-0.03
44	s	surr1,1,2-Diclethane	0.405	0.380	6.2	97	-0.04
45		Benzene	1.602	1.739	-8.6	115	-0.04
46		1,2-Dichloroethane	0.583	0.665	-14.1	118	-0.04
47		N-Heptane	1.021	1.182	-15.8	125	-0.04
48		Trichloroethene	0.407	0.451	-10.8	112	-0.04
49		Methylcyclohexane	0.860	0.869	-1.0	96	-0.05

(#) = Out of Range
Q8703.D SOL1003.M Mon Dec 10 12:19:18 2007

00390

Evaluate Continuing Calibration ...

Data File : J:\ACQUDATA\MSVOA7\DATA\121007\Q8703.D Vial: 27
Acq On : 10 Dec 2007 11:07 am Operator: K.Ruest
Sample : CCV Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : J:\ACQUDATA\MSVOA7\METHODS\SOL1003.M (RTE Integrator)
Title : 8260voa
Last Update : Thu Oct 04 15:14:55 2007
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	
50	c	1,2-Dichloropropane	0.572	0.640	-11.9	117	-0.04	
51		Methyl Methacrylate	0.134	0.148	-10.4	113	-0.04	
52		1,4-Dioxane	0.007	0.007	0.0	102	-0.04	
53		Dibromomethane	0.323	0.359	-11.1	116	-0.05	
54		Bromodichloromethane	0.585	0.693	-18.5	118	-0.05	
55		2-Nitropropane	0.208	0.204	1.9	102	-0.05	
56		2-Chloroethylvinyl Ether	0.420	0.427	-1.7	105	-0.05	
57		cis-1,3-Dichloropropene	0.781	0.899	-15.1	115	-0.04	
58	I	d5 - Chlorobenzene	1.000	1.000	0.0	110	-0.04	
59		4-Methyl-2-Pentanone	1.039	1.013	2.5	107	-0.04	
60	c	Toluene	1.716	1.775	-3.4	121	-0.04	
61		trans-1,3-Dichloropropene	0.748	0.743	0.7	115	-0.05	
62		Ethyl Methacrylate	0.808	0.786	2.7	110	-0.04	
63		1,1,2-Trichloroethane	0.404	0.388	4.0	112	-0.04	
64	s	surr3,Toluene-d8	1.323	1.130	14.6	100	-0.04	
65	s	surr2,bfb	0.570	0.505	11.4	108	-0.04	
66		Tetrachloroethene	0.473	0.460	2.7	118	-0.05	
67		2-Hexanone	0.821	0.755	8.0	100	-0.05	
68		1,3-Dichloropropane	0.822	0.832	-1.2	113	-0.05	
69		Butyl Acetate	0.000	0.000	0.0	102	-0.05	
70		Dibromochloromethane	0.549	0.541	1.5	112	-0.04	
71		1,2-Dibromoethane	0.518	0.512	1.2	112	-0.04	
72	p	Chlorobenzene	1.230	1.173	4.6	112	-0.04	
73		1,1,1,2-Tetrachloroethane	0.441	0.449	-1.8	115	-0.04	
74	c	Ethylbenzene	2.015	1.988	1.3	117	-0.05	
75		(m+p)Xylene	0.738	0.736	0.3	121	-0.04	
76		o-Xylene	0.759	0.722	4.9	116	-0.05	
77		Styrene	1.279	1.268	0.9	117	-0.05	
78	p	Bromoform	0.421	0.407	3.3	112	-0.05	
79		Isopropylbenzene	1.926	1.854	3.7	112	-0.05	
80		Cyclohexanone	0.109	0.135 ~~35~~	~~-23.9#~~	173	-0.04	-36.4 (d x e) NT
81	I	d4 - Dichlorobenzene	1.000	1.000	0.0	109	-0.04	
82	p	1,1,2,2-Tetrachloroethane	1.591	1.473	7.4	104	-0.05	
83		Trans-1,4-Dichloro-2-butene	0.342	0.419	M -22.5#	139	-0.05	
84		1,2,3-Trichloropropane	0.391	0.383	2.0	113	-0.05	
85		n-Propylbenzene	5.249	5.041	4.0	113	-0.05	
86		Bromobenzene	1.104	1.061	3.9	111	-0.05	
87		1,3,5-Trimethylbenzene	3.304	3.224	2.4	115	-0.05	
88		2-Chlorotoluene	3.022	2.879	4.7	116	-0.04	
89		4-Chlorotoluene	3.076	3.017	1.9	118	-0.05	
90		tert-Butylbenzene	2.864	2.788	2.7	116	-0.04	
91		1,2,4-Trimethylbenzene	3.311	3.198	3.4	114	-0.04	
92		sec-Butylbenzene	4.470	4.321	3.3	117	-0.05	
93		p-Isopropyltoluene	3.747	3.628	3.2	114	-0.04	
94		1,3-Dclbenz	2.022	1.929	4.6	112	-0.04	
95		1,4-Dclbenz	2.053	1.934	5.8	110	-0.05	
96		n-Butylbenzene	3.808	3.697	2.9	117	-0.05	
97		1,2-Dclbenz	1.908	1.846	3.2	114	-0.05	

(#) = Out of Range
Q8703.D SOL1003.M Mon Dec 10 12:19:19 2007

00391

Data File : J:\ACQUDATA\MSVOA7\DATA\121007\Q8703.D Vial: 27
Acq On : 10 Dec 2007 11:07 am Operator: K.Ruest
Sample : CCV Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : J:\ACQUDATA\MSVOA7\METHODS\SOL1003.M (RTE Integrator)
Title : 8260voa
Last Update : Thu Oct 04 15:14:55 2007
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
08	1,2-Dibromo-3-chloropropane	0.354	0.318	10.2	111	-0.05
09	Nitrobenzene	0.252	0.238	5.6	105	-0.05
10	1,2,4-Tcbenzene	1.254	1.224	2.4	115	-0.05
11	Hexachlorobu	0.725	0.724	0.1	121	-0.04
12	Naphthalen	3.381	3.139	7.2	110	-0.05
13	1,2,3-Tclbenzene	1.143	1.105	3.3	117	-0.04

Data File : J:\ACQUDATA\MSVOA7\DATA\121107\Q8728.D Vial: 27
Acq On : 11 Dec 2007 10:35 am Operator: K.Ruest
Sample : CCV Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : J:\ACQUDATA\MSVOA7\METHODS\SOL1003.M (RTE Integrator)
Title : 8260voa
Last Update : Thu Oct 04 15:14:55 2007
Response via : Multiple Level Calibration

KR 12/11/07

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	88	-0.04
2		Dichlorodifluoromethane	0.598	0.799	-33.6#	129	-0.02
3	p	Chloromethane	0.860	0.898	-4.4	101	-0.03
4	c	Vinyl Chloride	0.620	0.662	-6.8	99	-0.03
5		Bromomethane	0.506	0.541	-6.9	100	-0.03
6		Chloroethane	0.532	0.595	-11.8	111	-0.03
7		Trichlorofluoromethane	0.794	0.947	-19.3	108	-0.02
8		Diethyl Ether	0.602	0.703	-16.8	107	-0.03
9		FREON 123A	0.964	1.083	-12.3	94	-0.03
10		FREON 123	0.989	1.029	-4.0	86	-0.03
11		Acrolein	0.142	0.129	9.2	78	-0.03
12		FREON 113	0.251	0.303	-20.7#	112	-0.03
13	c	1,1-Diclethene	0.477	0.546	-14.5	110	-0.03
14		Acetone	0.364	0.413	-13.5	104	-0.03
15		2-Propanol	0.111	0.111	0.0	85	-0.03
16		Iodomethane	0.486	0.516	-6.2	89	-0.03
17		Carbon Disulfide	2.321	2.509	-8.1	94	-0.03
18		Acetonitrile	0.142	0.165	-16.2	110	-0.03
19		Allyl Chloride	1.551	1.692	-9.1	99	-0.04
20		Methyl Acetate	1.406	1.435	-2.1	88	-0.03
21		Methylene Chloride	0.711	0.805	-13.2	107	-0.03
22		TBA	0.139	0.137	1.4	89	-0.03
23		Acrylonitrile	0.409	0.430	-5.1	96	-0.03
24		Methyl-t-Butyl Ether	1.824	2.107	-15.5	108	-0.03
25		trans-1,2-Dichloroethene	0.656	0.700	-6.7	107	-0.04
26	p	1,1-Diclethane	1.429	1.642	-14.9	109	-0.03
27		Vinyl Acetate	1.334	1.206	9.6	77	-0.03
28		2-Chloro-1,3-butadiene	0.944	1.301	-37.8#	118	-0.04
29		2,2-Dichloropropane	0.970	1.094	-12.8	111	-0.04
30		2-Butanone	0.765	0.754	1.4	87	-0.03
31		cis-1,2-Dichloroethene	0.736	0.840	-14.1	112	-0.03
32		Propionitrile	0.172	0.174	-1.2	94	-0.04
33		Methacrylonitrile	0.376	0.418	-11.2	100	-0.04
34		Bromochloromethane	0.427	0.479	-12.2	113	-0.04
35	c	Chloroform	1.262	1.460	-15.7	110	-0.04
36		Tetrahydrofuran	0.482	0.500	-3.7	100	-0.04
37		1,1,1-Trichloroethane	0.885	1.026	-15.9	112	-0.04
38		Cyclohexane	1.743	1.853	-6.3	92	-0.04
39	I	1,4 - Difluorobenzene	1.000	1.000	0.0	93	-0.04
40	s	surr4,Dibrflmethane	0.400	0.366	8.5	89	-0.04
41		Carbontetrachloride	0.459	0.521	-13.5	112	-0.04
42		1,1-Dichloropropene	0.603	0.661	-9.6	107	-0.04
43		Iso-Butyl Alcohol	0.047	0.048	-2.1	90	-0.03
44	s	surr1,1,2-Diclethane	0.405	0.370	8.6	89	-0.04
45		Benzene	1.602	1.709	-6.7	107	-0.04
46		1,2-Dichloroethane	0.583	0.663	-13.7	111	-0.04
47		N-Heptane	1.021	1.239	-21.4#	124	-0.04
48		Trichloroethene	0.407	0.470	-15.5	110	-0.04
49		Methylcyclohexane	0.860	0.882	-2.6	92	-0.05

(#) = Out of Range
Q8728.D SOL1003.M Tue Dec 11 11:15:33 2007

00397

Data File : J:\ACQUDATA\MSVOA7\DATA\121107\Q8728.D Vial: 27
Acq On : 11 Dec 2007 10:35 am Operator: K.Ruest
Sample : CCV Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : J:\ACQUDATA\MSVOA7\METHODS\SOL1003.M (RTE Integrator)
Title : 8260voa
Last Update : Thu Oct 04 15:14:55 2007
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
)	c	1,2-Diclpropane	0.572	0.621	-8.6	107	-0.04
L		Methyl Methacrylate	0.134	0.150	-11.9	109	-0.05
2		1,4-Dioxane	0.007	0.006	14.3	90	-0.05
3		Dibromomethane	0.323	0.350	-8.4	107	-0.04
4		Bromodichloromethane	0.585	0.692	-18.3	112	-0.05
5		2-Nitropropane	0.208	0.201	3.4	95	-0.05
6		2-Chloroethylvinyl Ether	0.420	0.407	3.1	95	-0.05
7		cis-1,3-Dichloropropene	0.781	0.896	-14.7	108	-0.04
8	I	d5 - Chlorobenzene	1.000	1.000	0.0	102	-0.05
9		4-Methyl-2-Pentanone	1.039	0.947	8.9	93	-0.04
)	c	Toluene	1.716	1.670	2.7	106	-0.04
L		trans-1,3-Dichloropropene	0.748	0.735	1.7	105	-0.05
2		Ethyl Methacrylate	0.808	0.779	3.6	102	-0.04
3		1,1,2-Trichloroethane	0.404	0.402	0.5	108	-0.05
4	s	surr3,Toluene-d8	1.323	1.126	14.9	92	-0.04
5	s	surr2,bfb	0.570	0.545	4.4	108	-0.04
6		Tetrachloroethene	0.473	0.470	0.6	112	-0.05
7		2-Hexanone	0.821	0.738	10.1	91	-0.05
8		1,3-Dichloropropane	0.822	0.844	-2.7	107	-0.05
9		Butyl Acetate	0.000	0.000	0.0	92	-0.05
)		Dibromochloromethane	0.549	0.549	0.0	106	-0.05
L		1,2-Dibromoethane	0.518	0.513	1.0	104	-0.04
2	p	Chlorobenzene	1.230	1.177	4.3	104	-0.04
3		1,1,1,2-Tetrachloroethane	0.441	0.453	-2.7	108	-0.05
4	c	Ethylbenzene	2.015	2.000	0.7	109	-0.05
5		(m+p)Xylene	0.738	0.769	-4.2	117	-0.04
6		o-Xylene	0.759	0.744	2.0	111	-0.05
7		Styrene	1.279	1.306	-2.1	112	-0.05
8	p	Bromoform	0.421	0.415	1.4	106	-0.05
9		Isopropylbenzene	1.926	1.956	-1.6	110	-0.05
)		Cyclohexanone	0.109	0.117	-10.5 -7.3	138	-0.05 KL
L	I	d4 - Dichlorobenzene	1.000	1.000	0.0	105	-0.05
2	p	1,1,2,2-Tetrachloroethane	1.591	1.413	11.2	96	-0.05
3		Trans-1,4-Dichloro-2-butene	0.342	0.425	M -24.3#	136	-0.05
4		1,2,3-Trichloropropane	0.391	0.367	6.1	105	-0.05
5		n-Propylbenzene	5.249	5.059	3.6	110	-0.05
6		Bromobenzene	1.104	1.090	1.3	111	-0.05
7		1,3,5-Trimethylbenzene	3.304	3.225	2.4	111	-0.05
8		2-Chlorotoluene	3.022	2.953	2.3	115	-0.04
9		4-Chlorotoluene	3.076	3.005	2.3	114	-0.05
)		tert-Butylbenzene	2.864	2.763	3.5	111	-0.04
L		1,2,4-Trimethylbenzene	3.311	3.132	5.4	108	-0.04
2		sec-Butylbenzene	4.470	4.202	6.0	110	-0.05
3		p-Isopropyltoluene	3.747	3.598	4.0	109	-0.05
4		1,3-Dclbenz	2.022	1.929	4.6	109	-0.05
5		1,4-Dclbenz	2.053	1.921	6.4	106	-0.05
6		n-Butylbenzene	3.808	3.689	3.1	113	-0.05
7		1,2-Dclbenz	1.908	1.830	4.1	109	-0.06

(#) = Out of Range

00398

Data File : J:\ACQUDATA\MSVOA7\DATA\121107\Q8728.D Vial: 27
Acq On : 11 Dec 2007 10:35 am Operator: K.Ruest
Sample : CCV Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : J:\ACQUDATA\MSVOA7\METHODS\SOL1003.M (RTE Integrator)
Title : 8260voa
Last Update : Thu Oct 04 15:14:55 2007
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
8	1,2-Dibromo-3-chloropropane	0.354	0.287	18.9	97	-0.05
9	Nitrobenzene	0.252	0.207	17.9	89	-0.05
0	1,2,4-Tcbenzene	1.254	1.176	6.2	107	-0.04
1	Hexachlorobu	0.725	0.722	0.4	117	-0.05
2	Naphthalen	3.381	3.001	11.2	102	-0.05
3	1,2,3-Tclbenzene	1.143	1.077	5.8	110	-0.05

Data File : J:\ACQUDATA\MSVOA7\DATA\121207\Q8750.D Vial: 27
Acq On : 12 Dec 2007 10:51 am Operator: K.Ruest
Sample : CCV Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : J:\ACQUDATA\MSVOA7\METHODS\SOL1003.M (RTE Integrator)
Title : 8260voa
Last Update : Thu Oct 04 15:14:55 2007
Response via : Multiple Level Calibration

KL 12/12/07

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	
1	I	Pentafluorobenzene	1.000	1.000	0.0	84	-0.03	
2		Dichlorodifluoromethane	0.598	0.770	-28.8#	118	0.00	M
3	p	Chloromethane	0.860	0.834	3.0	89	-0.03	
4	c	Vinyl Chloride	0.620	0.617	0.5	88	-0.02	
5		Bromomethane	0.506	0.533	-5.3	94	-0.02	
6		Chloroethane	0.532	0.556	-4.5	99	-0.02	
7		Trichlorofluoromethane	0.794	0.881	-11.0	96	0.00	
8		Diethyl Ether	0.602	0.696	-15.6	101	-0.02	
9		FREON 123A	0.964	1.049	-8.8	86	-0.02	
0		FREON 123	0.989	1.076	-8.8	86	-0.02	
1		Acrolein	0.142	0.131	7.7	75	-0.02	
2		FREON 113	0.251	0.303	-20.7#	106	-0.03	M
3	c	1,1-Diclethene	0.477	0.529	-10.9	101	-0.02	
4		Acetone	0.364	0.437	-20.1#	104	-0.02	
5		2-Propanol	0.111	0.107	3.6	78	-0.02	
6		Iodomethane	0.486	0.566	-16.5	93	-0.02	
7		Carbon Disulfide	2.321	2.581	-11.2	92	-0.02	
8		Acetonitrile	0.142	0.154	-8.5	98	-0.03	
9		Allyl Chloride	1.551	1.724	-11.2	96	-0.03	
0		Methyl Acetate	1.406	1.531	-8.9	90	-0.02	
1		Methylene Chloride	0.711	0.772	-8.6	98	-0.03	
2		TBA	0.139	0.133	4.3	81	-0.02	
3		Acrylonitrile	0.409	0.423	-3.4	89	-0.02	
4		Methyl-t-Butyl Ether	1.824	2.204	-20.8#	107	-0.02	M
5		trans-1,2-Dichloroethene	0.656	0.703	-7.2	102	-0.03	
6	p	1,1-Diclethane	1.429	1.584	-10.8	100	-0.02	
7		Vinyl Acetate	1.334	1.321	1.0	81	-0.02	
8		2-Chloro-1,3-butadiene	0.944	1.398	-48.1#	120	-0.03	M
9		2,2-Dichloropropane	0.970	1.082	-11.5	105	-0.03	
0		2-Butanone	0.765	0.774	-1.2	85	-0.02	
1		cis-1,2-Dichloroethene	0.736	0.824	-12.0	104	-0.02	
2		Propionitrile	0.172	0.169	1.7	87	-0.03	
3		Methacrylonitrile	0.376	0.413	-9.8	94	-0.02	
4		Bromochloromethane	0.427	0.442	-3.5	99	-0.03	
5	c	Chloroform	1.262	1.370	-8.6	98	-0.03	
6		Tetrahydrofuran	0.482	0.473	1.9	90	-0.03	
7		1,1,1-Trichloroethane	0.885	0.979	-10.6	102	-0.03	
8		Cyclohexane	1.743	1.804	-3.5	85	-0.03	
9	I	1,4 - Difluorobenzene	1.000	1.000	0.0	92	-0.03	
0	s	surr4,Dibrflmethane	0.400	0.352	12.0	85	-0.03	
1		Carbontetrachloride	0.459	0.476	-3.7	101	-0.04	
2		1,1-Dichloropropene	0.603	0.619	-2.7	99	-0.03	
3		Iso-Butyl Alcohol	0.047	0.042	10.6	78	-0.02	
4	s	surr1,1,2-Diclethane	0.405	0.368	9.1	88	-0.03	
5		Benzene	1.602	1.626	-1.5	101	-0.03	
6		1,2-Dichloroethane	0.583	0.634	-8.7	105	-0.03	
7		N-Heptane	1.021	1.092	-7.0	108	-0.03	
8		Trichloroethene	0.407	0.446	-9.6	103	-0.03	
9		Methylcyclohexane	0.860	0.887	-3.1	91	-0.04	

#) = Out of Range

Data File : J:\ACQUDATA\MSVOA7\DATA\121207\Q8750.D Vial: 27
Acq On : 12 Dec 2007 10:51 am Operator: K.Ruest
Sample : CCV Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : J:\ACQUDATA\MSVOA7\METHODS\SOL1003.M (RTE Integrator)
Title : 8260voa
Last Update : Thu Oct 04 15:14:55 2007
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
0	c	1,2-Diclpropane	0.572	0.617	-7.9	105	-0.03
1		Methyl Methacrylate	0.134	0.138	-3.0	98	-0.03
2		1,4-Dioxane	0.007	0.006	14.3	86	-0.04
3		Dibromomethane	0.323	0.349	-8.0	105	-0.03
4		Bromodichloromethane	0.585	0.642	-9.7	102	-0.04
5		2-Nitropropane	0.208	0.188	9.6	87	-0.03
6		2-Chloroethylvinyl Ether	0.420	0.430	-2.4	99	-0.04
7		cis-1,3-Dichloropropene	0.781	0.844	-8.1	101	-0.03
8	I	d5 - Chlorobenzene	1.000	1.000	0.0	103	-0.03
9		4-Methyl-2-Pentanone	1.039	0.960	7.6	95	-0.03
0	c	Toluene	1.716	1.609	6.2	102	-0.03
1		trans-1,3-Dichloropropene	0.748	0.697	6.8	100	-0.04
2		Ethyl Methacrylate	0.808	0.748	7.4	98	-0.03
3		1,1,2-Trichloroethane	0.404	0.364	9.9	98	-0.03
4	s	surr3,Toluene-d8	1.323	1.117	15.6	92	-0.03
5	s	surr2,bfb	0.570	0.522	8.4	104	-0.03
6		Tetrachloroethene	0.473	0.419	11.4	100	-0.03
7		2-Hexanone	0.821	0.738	10.1	91	-0.03
8		1,3-Dichloropropane	0.822	0.784	4.6	99	-0.04
9		Butyl Acetate	0.000	0.000	0.0	92	-0.03
0		Dibromochloromethane	0.549	0.512	6.7	99	-0.04
1		1,2-Dibromoethane	0.518	0.488	5.8	99	-0.03
2	p	Chlorobenzene	1.230	1.108	9.9	98	-0.03
3		1,1,1,2-Tetrachloroethane	0.441	0.417	5.4	100	-0.03
4	c	Ethylbenzene	2.015	1.866	7.4	102	-0.03
5		(m+p)Xylene	0.738	0.692	6.2	106	-0.03
6		o-Xylene	0.759	0.692	8.8	104	-0.04
7		Styrene	1.279	1.238	3.2	107	-0.04
8	p	Bromoform	0.421	0.378	10.2	97	-0.04
9		Isopropylbenzene	1.926	1.755	8.9	99	-0.04
0		Cyclohexanone	0.109	0.092	-7.2 ~~15.6~~	110	-0.03 (KP)
1	I	d4 - Dichlorobenzene	1.000	1.000	0.0	100	-0.03
2	p	1,1,2,2-Tetrachloroethane	1.591	1.412	11.3	91	-0.04
3		Trans-1,4-Dichloro-2-butene	0.342	0.416	-21.6#	126	-0.04
4		1,2,3-Trichloropropane	0.391	0.363	7.2	98	-0.04
5		n-Propylbenzene	5.249	4.986	5.0	103	-0.04
6		Bromobenzene	1.104	1.043	5.5	101	-0.04
7		1,3,5-Trimethylbenzene	3.304	3.091	6.4	101	-0.03
8		2-Chlorotoluene	3.022	2.767	8.4	102	-0.03
9		4-Chlorotoluene	3.076	2.959	3.8	107	-0.04
0		tert-Butylbenzene	2.864	2.539	11.3	97	-0.03
1		1,2,4-Trimethylbenzene	3.311	3.106	6.2	102	-0.03
2		sec-Butylbenzene	4.470	3.988	10.8	99	-0.04
3		p-Isopropyltoluene	3.747	3.334	11.0	96	-0.03
4		1,3-Dclbenz	2.022	1.819	10.0	97	-0.03
5		1,4-Dclbenz	2.053	1.895	7.7	99	-0.04
6		n-Butylbenzene	3.808	3.400	10.7	99	-0.04
7		1,2-Dclbenz	1.908	1.760	7.8	100	-0.04

(#) = Out of Range

Data File : J:\ACQUDATA\MSVOA7\DATA\121207\Q8750.D Vial: 27
Acq On : 12 Dec 2007 10:51 am Operator: K.Ruest
Sample : CCV Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : J:\ACQUDATA\MSVOA7\METHODS\SOL1003.M (RTE Integrator)
Title : 8260voa
Last Update : Thu Oct 04 15:14:55 2007
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
8	1,2-Dibromo-3-chloropropane	0.354	0.286	19.2	91	-0.03
9	Nitrobenzene	0.252	0.197	21.8#	80	-0.03
0	1,2,4-Tcbenzene	1.254	1.114	11.2	96	-0.03
1	Hexachlorobu	0.725	0.625	13.8	96	-0.04
2	Naphthalen	3.381	2.933	13.3	94	-0.03
3	1,2,3-Tclbenzene	1.143	1.011	11.5	98	-0.03

00405

Evaluate Continuing Calibration Report

Data File : J:\ACQUDATA\MSVOA7\DATA\121307\Q8795.D Vial: 27
Acq On : 13 Dec 2007 3:32 pm Operator: K.Ruest
Sample : CCV Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : J:\ACQUDATA\MSVOA7\METHODS\SOL1003.M (RTE Integrator)
Title : 8260voa
Last Update : Wed Dec 12 11:30:24 2007
Response via : Multiple Level Calibration

KR 12/13/07

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	97	-0.01
2		Dichlorodifluoromethane	0.598	0.734	-22.7#	130	0.00
3	p	Chloromethane	0.860	0.795	7.6	98	-0.01
4	c	Vinyl Chloride	0.620	0.587	5.3	96	0.00
5		Bromomethane	0.506	0.480	5.1	97	0.00
6		Chloroethane	0.532	0.524	1.5	107	0.00
7		Trichlorofluoromethane	0.794	0.883	-11.2	111	0.00
8		Diethyl Ether	0.602	0.612	-1.7	102	0.00
9		FREON 123A	0.964	1.016	-5.4	96	0.00
10		FREON 123	0.989	1.014	-2.5	93	0.00
11		Acrolein	0.142	0.112	21.1#	74	0.00
12		FREON 113	0.251	0.289	-15.1	117	0.00
13	c	1,1-Diclethene	0.477	0.480	-0.6	106	0.00
14		Acetone	0.364	0.407	-11.8	112	0.00
15		2-Propanol	0.111	0.100	9.9	83	0.00
16		Iodomethane	0.486	0.493	-1.4	93	0.00
17		Carbon Disulfide	2.321	2.435	-4.9	100	0.00
18		Acetonitrile	0.142	0.144	-1.4	105	-0.01
19		Allyl Chloride	1.551	1.630	-5.1	104	0.00
20		Methyl Acetate	1.406	1.420	-1.0	96	0.00
21		Methylene Chloride	0.711	0.746	-4.9	109	0.00
22		TBA	0.139	0.124	10.8	88	0.00
23		Acrylonitrile	0.409	0.392	4.2	95	0.00
24		Methyl-t-Butyl Ether	1.824	2.007	-10.0	112	0.00
25		trans-1,2-Dichloroethene	0.656	0.649	1.1	109	0.00
26	p	1,1-Diclethane	1.429	1.547	-8.3	112	-0.01
27		Vinyl Acetate	1.334	1.059	20.6#	74	0.00
28		2-Chloro-1,3-butadiene	0.944	1.291	-36.8#	128	0.00
29		2,2-Dichloropropane	0.970	0.999	-3.0	111	0.00
30		2-Butanone	0.765	0.722	5.6	91	0.00
31		cis-1,2-Dichloroethene	0.736	0.725	1.5	105	0.00
32		Propionitrile	0.172	0.153	11.0	90	-0.01
33		Methacrylonitrile	0.376	0.382	-1.6	100	-0.01
34		Bromochloromethane	0.427	0.430	-0.7	111	0.00
35	c	Chloroform	1.262	1.257	0.4	103	0.00
36		Tetrahydrofuran	0.482	0.430	10.8	94	0.00
37		1,1,1-Trichloroethane	0.885	0.958	-8.2	115	-0.01
38		Cyclohexane	1.743	1.837	-5.4	100	0.00
39	I	1,4 - Difluorobenzene	1.000	1.000	0.0	99	-0.01
40	s	surr4,Dibrflmethane	0.400	0.377	5.8	98	0.00
41		Carbontetrachloride	0.459	0.484	-5.4	111	-0.01
42		1,1-Dichloropropene	0.603	0.621	-3.0	107	-0.01
43		Iso-Butyl Alcohol	0.047	0.044	6.4	89	0.00
44	s	surr1,1,2-Diclethane	0.405	0.392	3.2	100	0.00
45		Benzene	1.602	1.668	-4.1	111	0.00
46		1,2-Dichloroethane	0.583	0.625	-7.2	111	0.00
47		N-Heptane	1.021	1.136	-11.3	120	0.00
48		Trichloroethene	0.407	0.428	-5.2	107	0.00
49		Methylcyclohexane	0.860	0.891	-3.6	99	-0.01

(#) = Out of Range

00411

Data File : J:\ACQUDATA\MSVOA7\DATA\121307\Q8795.D Vial: 27
Acq On : 13 Dec 2007 3:32 pm Operator: K.Ruest
Sample : CCV Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : J:\ACQUDATA\MSVOA7\METHODS\SOL1003.M (RTE Integrator)
Title : 8260voa
Last Update : Wed Dec 12 11:30:24 2007
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
0	c	1,2-Diclpropane	0.572	0.591	-3.3	108	0.00
1		Methyl Methacrylate	0.134	0.126	6.0	97	0.00
2		1,4-Dioxane	0.007	0.006	14.3	93	-0.01
3		Dibromomethane	0.323	0.329	-1.9	106	0.00
4		Bromodichloromethane	0.585	0.616	-5.3	105	-0.01
5		2-Nitropropane	0.208	0.189	9.1	94	-0.01
6		2-Chloroethylvinyl Ether	0.420	0.388	7.6	96	-0.01
7		cis-1,3-Dichloropropene	0.781	0.834	-6.8	107	-0.01
8	I	d5 - Chlorobenzene	1.000	1.000	0.0	100	-0.01
9		4-Methyl-2-Pentanone	1.039	0.994	4.3	95	-0.01
0	c	Toluene	1.716	1.817	-5.9	112	-0.01
1		trans-1,3-Dichloropropene	0.748	0.767	-2.5	107	-0.01
2		Ethyl Methacrylate	0.808	0.807	0.1	102	0.00
3		1,1,2-Trichloroethane	0.404	0.401	0.7	105	-0.01
4	s	surr3,Toluene-d8	1.323	1.253	5.3	100	-0.01
5	s	surr2,bfb	0.570	0.510	10.5	98	-0.01
6		Tetrachloroethene	0.473	0.465	1.7	107	-0.01
7		2-Hexanone	0.821	0.736	10.4	88	-0.01
8		1,3-Dichloropropane	0.822	0.844	-2.7	104	-0.01
9		Butyl Acetate	0.000	0.000	0.0	90	-0.01
0		Dibromochloromethane	0.549	0.558	-1.6	104	-0.01
1		1,2-Dibromoethane	0.518	0.526	-1.5	104	0.00
2	p	Chlorobenzene	1.230	1.229	0.1	106	0.00
3		1,1,1,2-Tetrachloroethane	0.441	0.462	-4.8	107	0.00
4	c	Ethylbenzene	2.015	2.069	-2.7	110	-0.01
5		(m+p)Xylene	0.738	0.790	-7.0	117	0.00
6		o-Xylene	0.759	0.773	-1.8	113	-0.01
7		Styrene	1.279	1.350	-5.6	113	-0.01
8	p	Bromoform	0.421	0.410	2.6	102	-0.01
9		Isopropylbenzene	1.926	1.996	-3.6	109	-0.01
0		Cyclohexanone	0.109	0.122	-21.3 ~~-11.9~~	141	0.00 (KR)
1	I	d4 - Dichlorobenzene	1.000	1.000	0.0	94	0.00
2	p	1,1,2,2-Tetrachloroethane	1.591	1.543	3.0	94	-0.01
3		Trans-1,4-Dichloro-2-butene	0.342	0.454	NT -32.7#	130	-0.01
4		1,2,3-Trichloropropane	0.391	0.404	-3.3	103	-0.01
5		n-Propylbenzene	5.249	5.699	-8.6	111	-0.01
6		Bromobenzene	1.104	1.202	-8.9	109	-0.01
7		1,3,5-Trimethylbenzene	3.304	3.450	-4.4	106	-0.01
8		2-Chlorotoluene	3.022	3.241	-7.2	113	0.00
9		4-Chlorotoluene	3.076	3.363	-9.3	114	-0.01
0		tert-Butylbenzene	2.864	2.967	-3.6	107	0.00
1		1,2,4-Trimethylbenzene	3.311	3.471	-4.8	107	0.00
2		sec-Butylbenzene	4.470	4.589	-2.7	107	-0.01
3		p-Isopropyltoluene	3.747	3.957	-5.6	107	0.00
4		1,3-Dclbenz	2.022	2.070	-2.4	104	0.00
5		1,4-Dclbenz	2.053	2.082	-1.4	103	-0.01
6		n-Butylbenzene	3.808	4.029	-5.8	110	-0.01
7		1,2-Dclbenz	1.908	1.960	-2.7	105	-0.01

(#) = Out of Range

Data File : J:\ACQUDATA\MSVOA7\DATA\121307\Q8795.D Vial: 27
Acq On : 13 Dec 2007 3:32 pm Operator: K.Ruest
Sample : CCV Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : J:\ACQUDATA\MSVOA7\METHODS\SOL1003.M (RTE Integrator)
Title : 8260voa
Last Update : Wed Dec 12 11:30:24 2007
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
8	1,2-Dibromo-3-chloropropane	0.354	0.314	11.3	94	-0.01
9	Nitrobenzene	0.252	0.210	16.7	80	0.00
0	1,2,4-Tcbenzene	1.254	1.292	-3.0	105	0.00
1	Hexachlorobu	0.725	0.752	-3.7	109	0.00
2	Naphthalen	3.381	3.305	2.2	100	0.00
3	1,2,3-Tclbenzene	1.143	1.152	-0.8	105	0.00

00413

JALITY CONTROL SUMMARY: LABORATORY CONTROL SAMPLE
SOIL/SEDIMENT

Spiked Order No. : 1061477

Dup Spiked Order No. : 1061478

Client ID:

Test: 8270C SEMIVOLATILES

Analytical Units: UG/KG

Run Number : 154353

			BLANK SPIKE		BLANK SPIKE DUP.			QC LIMITS	
ANALYTE	SPIKE ADDED	SAMPLE CONCENT.	FOUND	% REC.	FOUND	% REC.	RPD	RPD	REC.
ACENAPHTHENE	3300	0	2900	87	3100	93	7	30	47 - 123
ACENAPHTHYLENE	3300	0	3100	93	3200	96	3	30	44 - 124
ACETOPHENONE	3300	0	2600	78	2700	81	4	30	40 - 150
ANTHRACENE	3300	0	3000	90	3100	93	3	30	44 - 125
ATRAZINE	3300	0	3500	105	3600	108	3	30	40 - 150
BENZALDEHYDE	3300	0	5400	162*	5800	174 *	7	30	40 - 150
BENZO(A)ANTHRACENE	3300	0	3000	90	3200	96	6	30	48 - 122
BENZO(A)PYRENE	3300	0	3000	90	3100	93	3	30	49 - 126
BENZO(B)FLUORANTHENE	3300	0	3100	93	3300	99	6	30	42 - 128
BENZO(G,H,I)PERYLENE	3300	0	3400	102	3500	105	3	30	42 - 126
BENZO(K)FLUORANTHENE	3300	0	3100	93	3300	99	6	30	48 - 124
1,1'-BIPHENYL	3300	0	2800	84	2900	87	4	30	40 - 150
BUTYL BENZYL PHTHALATE	3300	0	3100	93	3300	99	6	30	56 - 130
DI-N-BUTYLPHTHALATE	3300	0	3300	99	3400	102	3	30	62 - 130
CAPROLACTAM	3300	0	2900	87	3000	90	3	30	40 - 150
CARBAZOLE	3300	0	3200	96	3200	96	0	30	51 - 130
INDENO(1,2,3-CD)PYRENE	3300	0	3400	102	3600	108	6	30	41 - 127
4-CHLOROANILINE	3300	0	1300	39	1400	42	7	30	10 - 130
BIS(-2-CHLOROETHOXY)ME	3300	0	2800	84	3000	90	7	30	48 - 130
BIS(2-CHLOROETHYL)ETHE	3300	0	2700	81	2900	87	7	30	43 - 130
2-CHLORONAPHTHALENE	3300	0	2900	87	3100	93	7	30	55 - 130
2-CHLOROPHENOL	3300	0	2600	78	2900	87	11	30	36 - 116
2,2'-OXYBIS(1-CHLOROPR	3300	0	2900	87	3200	96	10	30	10 - 126
CHRYSENE	3300	0	3100	93	3200	96	3	30	49 - 122
DIBENZO(A,H)ANTHRACENE	3300	0	3300	99	3600	108	9	30	23 - 140
DIBENZOFURAN	3300	0	2900	87	3100	93	7	30	42 - 130
3,3'-DICHLOROBENZIDINE	3300	0	1900	57	1900	57	0	30	10 - 121
2,4-DICHLOROPHENOL	3300	0	2800	84	3100	93	10	30	57 - 130
DIETHYLPHTHALATE	3300	0	3100	93	3200	96	3	30	62 - 130
DIMETHYL PHTHALATE	3300	0	3100	93	3200	96	3	30	61 - 130
2,4-DIMETHYLPHENOL	3300	0	2600	78	2800	84	7	30	45 - 130
2,4-DINITROPHENOL	3300	0	1600	48	1900	57	17	30	23 - 130

LUMBIA ANALYTICAL SERVICES

ALITY CONTROL SUMMARY: LABORATORY CONTROL SAMPLE
SOIL/SEDIMENT

Spiked Order No. : 1061477

Dup Spiked Order No. : 1061478

Client ID:

Test: 8270C SEMIVOLATILES

Analytical Units: UG/KG

Run Number : 154353

ANALYTE	SPIKE ADDED	SAMPLE CONCENT.	BLANK SPIKE FOUND	BLANK SPIKE % REC.	BLANK SPIKE DUP. FOUND	BLANK SPIKE DUP. % REC.	BLANK SPIKE DUP. RPD	QC LIMITS RPD	QC LIMITS REC.
2,4-DINITROTOLUENE	3300	0	3200	96	3200	96	0	30	46 - 124
2,6-DINITROTOLUENE	3300	0	3100	93	3200	96	3	30	62 - 130
BIS(2-ETHYLHEXYL) PHTHA	3300	0	3200	96	3400	102	6	30	60 - 130
FLUORANTHENE	3300	0	3200	96	3300	99	3	30	42 - 124
FLUORENE	3300	0	2900	87	3100	93	7	30	36 - 128
HEXACHLOROBENZENE	3300	0	3100	93	3200	96	3	30	56 - 116
HEXACHLOROBUTADIENE	3300	0	2600	78	2900	87	11	30	10 - 104
HEXACHLOROCYCLOPENTADI	3300	0	2900	87	3200	96	10	30	9 - 102
HEXACHLOROETHANE	3300	0	2400	72	2700	81	12	30	10 - 107
ISOPHORONE	3300	0	3300	99	3600	108	9	30	50 - 130
2-METHYLNAPHTHALENE	3300	0	2800	84	3000	90	7	30	52 - 130
4,6-DINITRO-2-METHYLPH	3300	0	2200	66	2400	72	9	30	38 - 119
4-CHLORO-3-METHYLPHENO	3300	0	2900	87	3100	93	7	30	40 - 125
2-METHYLPHENOL	3300	0	2800	84	2900	87	4	30	26 - 105
4-METHYLPHENOL	6700	0	5500	83	5900	89	7	30	22 - 108
NAPHTHALENE	3300	0	2600	78	2900	87	11	30	38 - 116
2-NITROANILINE	3300	0	3100	93	3300	99	6	30	51 - 111
3-NITROANILINE	3300	0	2100	63	2100	63	0	30	10 - 130
4-NITROANILINE	3300	0	2900	87	3000	90	3	30	31 - 105
NITROBENZENE	3300	0	2700	81	3000	90	11	30	32 - 130
2-NITROPHENOL	3300	0	2600	78	3000	90	14	30	55 - 130
4-NITROPHENOL	3300	0	2700	81	2800	84	4	30	25 - 132
N-NITROSODIPHENYLAMINE	3300	0	2600	78	2600	78	0	30	54 - 116
DI-N-OCTYL PHTHALATE	3300	0	3100	93	3300	99	6	30	59 - 130
PENTACHLOROPHENOL	3300	0	2900	87	2900	87	0	30	21 - 131
PHENANTHRENE	3300	0	3000	90	3200	96	6	30	48 - 130
PHENOL	3300	0	2800	84	3000	90	7	30	34 - 118
4-BROMOPHENYL-PHENYLET	3300	0	3100	93	3200	96	3	30	61 - 113
4-CHLOROPHENYL-PHENYLE	3300	0	2900	87	3100	93	7	30	60 - 130
N-NITROSO-DI-N-PROPYLA	3300	0	3000	90	3100	93	3	30	45 - 117
PYRENE	3300	0	3000	90	3100	93	3	30	53 - 130
2,4,6-TRICHLOROPHENOL	3300	0	2900	87	3100	93	7	30	33 - 120

UALITY CONTROL SUMMARY: LABORATORY CONTROL SAMPLE
SOIL/SEDIMENT

Spiked Order No. : 1061477

Dup Spiked Order No. : 1061478

Client ID:

Test: 8270C SEMIVOLATILES

Analytical Units: UG/KG

Run Number : 154353

			BLANK SPIKE		BLANK SPIKE DUP.			QC LIMITS	
ANALYTE	SPIKE ADDED	SAMPLE CONCENT.	FOUND	% REC.	FOUND	% REC.	RPD	RPD	REC.
2,4,5-TRICHLOROPHENOL	3300	0	2900	87	3000	90	3	30	34 - 121

Response Factor Report 5973-B

Method : J:\ACQUDATA\5973B\METHODS\82701206.M (RTE Integrator)
Title : 8270 BNA ANALYSIS
Last Update : Fri Dec 07 09:58:25 2007
Response via : Initial Calibration

Calibration Files
10 =CT138.D 50 =CT139.D 80 =CT140.D
100 =CT141.D 120 =CT142.D 160 =CT143.D

		Compound	10	50	80	100	120	160	Avg	%RSD	
1)	IR	d4-1,4-Dichlorobenzen	ISTD								
2)	T	Pyridine	1.375	1.481	1.383	1.411	1.360	1.322	1.389	3.87	
3)	T	N-Nitrosodimethylam	0.756	0.795	0.795	0.787	0.784	0.757	0.779	2.29	
4)	S	SURR1,2-FLUOROPHENO	1.138	1.292	1.200	1.252	1.219	1.191	1.215	4.37	
5)	T	Benzaldehyde		0.773	0.645	0.490	0.415	0.289	0.522	36.46	Av
6)	T	Aniline	2.177	2.088	1.999	2.012	1.981	1.883	2.023	4.94	
7)	S	SURR2,PHENOL-D6	1.731	1.726	1.691	1.703	1.685	1.625	1.694	2.26	
8)	TMC	Phenol	1.885	1.870	1.805	1.785	1.760	1.708	1.802	3.71	
9)	M	bis(2-Clethyl)Ether	1.490	1.472	1.449	1.471	1.435	1.412	1.455	1.95	
10)	TM	2-Chlorophenol	1.320	1.370	1.351	1.348	1.338	1.311	1.340	1.61	
11)	T	1,3-Diclbenzene	1.536	1.623	1.553	1.565	1.523	1.483	1.547	3.01	
12)	TMC	1,4-Dichlorobenzene	1.593	1.648	1.568	1.579	1.551	1.504	1.574	3.03	
13)	T	1,2-Diclbenzene	1.525	1.496	1.455	1.453	1.429	1.408	1.461	2.95	
14)	T	Benzyl Alcohol	1.383	1.435	1.420	1.419	1.383	1.367	1.401	1.95	
15)	T	2,2'-oxybis(1-Chlor	2.152	2.144	2.093	2.069	2.049	1.958	2.078	3.43	
16)	T	2-Methylphenol	1.313	1.305	1.276	1.257	1.270	1.253	1.279	1.94	
17)	T	Acetophenone	2.197	2.098	2.058	2.053	1.989	1.983	2.063	3.83	
18)	TMP	N-Nitroso-Di-n-prop	1.313	1.240	1.208	1.218	1.183	1.177	1.223	4.07	
19)	T	Hexachloroethane	0.659	0.693	0.682	0.688	0.684	0.674	0.680	1.78	
20)	T	4-Methylphenol	1.343	1.382	1.359	1.347	1.381	1.333	1.357	1.50	
21)	T	1-Methyl-2-pyrrolid	0.922	0.928	0.943	0.910	0.951	0.931	0.931	1.59	
22)	IR	d8-Naphthalene	ISTD								
23)	S	SURR4,NITROBENZENE-	0.453	0.473	0.451	0.466	0.436	0.449	0.455	2.89	
24)	T	Nitrobenzene	0.492	0.497	0.476	0.478	0.469	0.463	0.479	2.75	
25)	T	Isophorone	0.704	0.721	0.715	0.691	0.689	0.671	0.699	2.63	
26)	TC	2-Nitrophenol	0.179	0.195	0.193	0.193	0.192	0.193	0.191	3.02	
27)	T	Benzoic Acid		0.053	0.108	0.130	0.141	0.167	0.120	36.01	LR
28)	T	2,4-Dimethylphenol	0.379	0.389	0.378	0.378	0.370	0.366	0.377	2.18	
29)	T	bis(-2-Chloroethoxy	0.470	0.474	0.475	0.465	0.457	0.464	0.467	1.52	
30)	TC	2,4-Dichlorophenol	0.262	0.292	0.298	0.289	0.289	0.293	0.287	4.42	
31)	TM	1,2,4-Trichlorobenz	0.352	0.364	0.360	0.358	0.347	0.352	0.356	1.73	
32)	T	Naphthalene	1.067	1.069	1.047	1.012	0.995	0.971	1.027	3.92	
33)	T	4-Chloroaniline	0.431	0.419	0.415	0.403	0.398	0.390	0.409	3.67	
34)	TC	Hexachlorobutadiene	0.217	0.230	0.226	0.230	0.223	0.229	0.226	2.30	
35)	TMC	4-Chloro-3-methylph	0.310	0.325	0.336	0.322	0.326	0.321	0.323	2.62	
36)	T	Caprolactam	0.105	0.112	0.116	0.113	0.116	0.116	0.113	3.83	
37)	T	2-Methylnaphthalene	0.682	0.683	0.680	0.661	0.661	0.653	0.670	1.95	
38)	T	1-Methylnaphthalene	0.714	0.698	0.692	0.676	0.668	0.666	0.686	2.77	
39)	IR	d10-Acenaphthene	ISTD								
40)	TP	Hexachlorocyclopent	0.184	0.305	0.322	0.343	0.317	0.340	0.302	19.67	LR
41)	TC	2,4,6-Trichlorophen	0.267	0.352	0.358	0.370	0.366	0.378	0.348	11.80	

(#) = Out of Range

00678

Response Factor Report 5973-B

Method : J:\ACQUDATA\5973B\METHODS\82701206.M (RTE Integrator)
Title : 8270 BNA ANALYSIS
Last Update : Fri Dec 07 09:58:25 2007
Response via : Initial Calibration

Calibration Files
10 =CT138.D 50 =CT139.D 80 =CT140.D
100 =CT141.D 120 =CT142.D 160 =CT143.D

		Compound	10	50	80	100	120	160	Avg	%RSD	
42)	T	2,4,5-Trichlorophen	0.283	0.369	0.375	0.387	0.380	0.398	0.365	11.37	
43)	S	SURR5,2-FLUOROBIPHE	1.332	1.354	1.338	1.361	1.303	1.330	1.336	1.54	
44)	T	1,1'-Biphenyl	1.526	1.581	1.512	1.516	1.472	1.469	1.513	2.71	
45)	T	2-Chloronaphthalene	1.124	1.167	1.118	1.152	1.112	1.127	1.133	1.89	
46)	T	2-Nitroaniline		0.447	0.430	0.443	0.435	0.442	0.440	1.55	
47)	T	Acenaphthylene	1.718	1.773	1.707	1.706	1.666	1.657	1.704	2.44	
48)	T	Dimethyl phthalate	1.222	1.262	1.244	1.223	1.220	1.224	1.232	1.39	
49)	T	2,6-Dinitrotoluene	0.285	0.307	0.303	0.309	0.304	0.302	0.302	2.86	
50)	TMC	Acenaphthene	1.150	1.191	1.158	1.144	1.129	1.104	1.146	2.53	
51)	T	3-Nitroaniline		0.318	0.311	0.306	0.308	0.307	0.310	1.59	
52)	TP	2,4-Dinitrophenol		0.072	0.102	0.115	0.125	0.152	0.113	26.29	A
53)	T	Dibenzofuran	1.687	1.712	1.640	1.636	1.601	1.583	1.643	2.99	
54)	TM	2,4-Dinitrotoluene	0.351	0.402	0.401	0.398	0.397	0.404	0.392	5.20	
55)	TMP	4-Nitrophenol		0.264	0.269	0.277	0.279	0.284	0.275	2.89	
56)	T	Fluorene	1.334	1.376	1.364	1.352	1.327	1.336	1.348	1.42	
57)	T	4-Chlorophenyl-phen	0.672	0.691	0.687	0.690	0.681	0.693	0.686	1.17	
58)	T	Diethylphthalate	1.206	1.275	1.260	1.233	1.229	1.212	1.236	2.19	
59)	T	4-Nitroaniline		0.324	0.321	0.313	0.315	0.315	0.317	1.47	
60)	S	SURR3,2,4,6-TRIBROM	0.152	0.197	0.204	0.205	0.206	0.209	0.195	11.21	
61)	IR	d10-Phenanthrene	ISTD								
62)	T	1-Phenyl-1(4-methyl	0.453	0.468	0.466	0.478	0.466	0.478	0.468	2.02	
63)	T	4,6-Dinitro-2-methy		0.111	0.124	0.128	0.131	0.141	0.127	8.63	
64)	T	1,2 Diphenylhydrazi	0.908	0.922	0.918	0.919	0.887	0.882	0.906	1.93	
65)	TC	N-Nitrosodiphenylam	0.596	0.605	0.604	0.601	0.595	0.607	0.601	0.83	
66)	T	4-Bromophenyl-pheny	0.214	0.222	0.221	0.226	0.218	0.226	0.221	2.12	
67)	T	1-Phenyl-1(2,4-dime	0.557	0.577	0.584	0.595	0.576	0.587	0.579	2.22	
68)	T	Hexachlorobenzene	0.238	0.240	0.237	0.242	0.239	0.244	0.240	1.16	
69)	T	Atrazine	0.104	0.102	0.101	0.104	0.102	0.104	0.103	1.29	
70)	TCM	Pentachlorophenol		0.067	0.084	0.091	0.098	0.109	0.090	17.49	LK
71)	T	Phenanthrene	1.032	1.047	1.017	1.014	1.006	0.992	1.018	1.89	
72)	T	Anthracene	1.013	1.049	1.028	1.039	1.017	1.012	1.026	1.48	
73)	T	Carbazole	0.924	0.985	0.946	0.940	0.931	0.923	0.942	2.46	
74)	T	Di-n-butylphthalate	1.020	1.136	1.115	1.109	1.100	1.095	1.096	3.62	
75)	TC	Fluoranthene	1.054	1.171	1.107	1.084	1.069	1.089	1.096	3.74	
76)	IR	d12-Chrysene	ISTD								
77)	T	Benzidine		0.402	0.328	0.274	0.232	0.189	0.285	29.15	A
78)	TM	Pyrene	1.223	1.175	1.167	1.143	1.147	1.094	1.158	3.66	
79)	S	SURR6,TERPHENYL-D14	0.928	0.925	0.921	0.907	0.908	0.887	0.913	1.70	
80)	T	Butyl benzyl phthal	0.467	0.505	0.502	0.501	0.503	0.501	0.496	2.95	
81)	T	3,3'-Dichlorobenzid	0.369	0.433	0.420	0.415	0.405	0.393	0.406	5.59	
82)	T	Benzo(a)anthracene	1.117	1.171	1.144	1.137	1.125	1.121	1.136	1.75	
83)	T	Chrysene	1.074	1.121	1.092	1.101	1.075	1.075	1.090	1.75	

(#) = Out of Range

Method : J:\ACQUDATA\5973B\METHODS\82701206.M (RTE Integrator)
Title : 8270 BNA ANALYSIS
Last Update : Fri Dec 07 09:58:25 2007
Response via : Initial Calibration

Calibration Files
10 =CT138.D 50 =CT139.D 80 =CT140.D
100 =CT141.D 120 =CT142.D 160 =CT143.D

		Compound	10	50	80	100	120	160	Avg	%RSD
84)	T	bis(2-Ethylhexyl)ph	0.605	0.677	0.675	0.678	0.682	0.691	0.668	4.68
85)	IR	d12-Perylene	ISTD							
86)	TC	Di-n-octyl phthalat	0.982	1.151	1.140	1.152	1.191	1.220	1.139	7.25
87)	T	Benzo(b)Fluoranthen	1.187	1.317	1.278	1.246	1.235	1.248	1.252	3.49
88)	T	Benzo(k)fluoranthen	1.187	1.250	1.242	1.248	1.234	1.244	1.234	1.94
89)	TC	Benzo(a)pyrene	1.053	1.207	1.200	1.203	1.182	1.207	1.175	5.17
90)	T	Indeno(1,2,3-cd)Pyr	1.388	1.632	1.634	1.670	1.626	1.655	1.601	6.61
91)	T	Dibenz(a,h)anthrace	1.204	1.390	1.397	1.438	1.414	1.442	1.381	6.44
92)	T	Benzo(g,h,i)perylen	1.214	1.419	1.403	1.438	1.398	1.416	1.381	6.03

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : J:\ACQUDATA\5973B\DATA\121107\CT193.D
Acq On : 11 Dec 2007 10:25 am
Sample : CALIBRATION CHECK
Misc : 80 PPM STD 8270/625
MS Integration Params: RTEINT.P

LR: #21,40,70

Vial: 1
Operator: Z.Miao
Inst : 5973-B
Multiplr: 1.00

Method : J:\ACQUDATA\5973B\METHODS\82701206.M (RTE Integrator)
Title : 8270 BNA ANALYSIS
Last Update : Fri Dec 07 09:58:25 2007
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	IR	d4-1,4-Dichlorobenzene	1.000	1.000	0.0	94	0.00
2	T	Pyridine	1.389	1.487	-7.1	101	0.00
3	T	N-Nitrosodimethylamine	0.779	0.860	-10.4	102	0.00
4	S	SURR1,2-FLUOROPHENOL	1.215	1.261	-3.8	99	0.00
5	T	Benzaldehyde	0.522	0.428	18.0	63	0.00
6	T	Aniline	2.023	2.119	-4.7	100	0.00
7	S	SURR2,PHENOL-D6	1.694	1.800	-6.3	100	0.00
8	TMC	Phenol	1.802	1.927	-6.9	101	0.00
9	M	bis(2-Clethyl)Ether	1.455	1.508	-3.6	98	0.00
10	TM	2-Chlorophenol	1.340	1.388	-3.6	97	0.00
11	T	1,3-Diclbenzene	1.547	1.566	-1.2	95	0.00
12	TMC	1,4-Dichlorobenzene	1.574	1.603	-1.8	96	0.00
13	T	1,2-Diclbenzene	1.461	1.477	-1.1	96	0.00
14	T	Benzyl Alcohol	1.401	1.516	-8.2	101	0.00
15	T	2,2'-oxybis(1-Chloropropane	2.078	2.250	-8.3	101	0.00
16	T	2-Methylphenol	1.279	1.352	-5.7	100	0.00
17	T	Acetophenone	2.063	2.172	-5.3	99	0.00
18	TMP	N-Nitroso-Di-n-propylamine	1.223	1.306	-6.8	102	0.00
19	T	Hexachloroethane	0.680	0.694	-2.1	96	0.00
20	T	4-Methylphenol	1.357	1.454	-7.1	101	0.00
21	T	1-Methyl-2-pyrrolidinone	0.931	1.036	-11.3	104	0.00
22	IR	d8-Naphthalene	1.000	1.000	0.0	100	0.00
23	S	SURR4,NITROBENZENE-D5	0.455	0.467	-2.6	103	0.00
24	T	Nitrobenzene	0.479	0.476	0.6	100	0.00
25	T	Isophorone	0.699	0.742	-6.2	103	0.00
26	TC	2-Nitrophenol	0.191	0.193	-1.0	100	0.00
27	T	Benzoic Acid	0.120	0.079	34.2#	73	0.00
28	T	2,4-Dimethylphenol	0.377	0.390	-3.4	103	0.00
29	T	bis(-2-Chloroethoxy)Methane	0.467	0.476	-1.9	100	0.00
30	TC	2,4-Dichlorophenol	0.287	0.295	-2.8	99	0.00
31	TM	1,2,4-Trichlorobenzene	0.356	0.353	0.8	98	0.00
32	T	Naphthalene	1.027	1.035	-0.8	99	0.00
33	T	4-Chloroaniline	0.409	0.423	-3.4	102	0.00
34	TC	Hexachlorobutadiene	0.226	0.219	3.1	97	0.00
35	TMC	4-Chloro-3-methylphenol	0.323	0.343	-6.2	102	0.00
36	T	Caprolactam	0.113	0.125	-10.6	108	0.00
37	T	2-Methylnaphthalene	0.670	0.688	-2.7	101	0.00
38	T	1-Methylnaphthalene	0.686	0.704	-2.6	101	0.00
39	IR	d10-Acenaphthene	1.000	1.000	0.0	104	0.00

(#) = Out of Range

00733

Evaluate Continuing Calibration Report

Data File : J:\ACQUDATA\5973B\DATA\121107\CT193.D Vial: 1
Acq On : 11 Dec 2007 10:25 am Operator: Z.Miao
Sample : CALIBRATION CHECK Inst : 5973-B
Misc : 80 PPM STD 8270/625 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : J:\ACQUDATA\5973B\METHODS\82701206.M (RTE Integrator)
Title : 8270 BNA ANALYSIS
Last Update : Fri Dec 07 09:58:25 2007
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
40	TP	Hexachlorocyclopentadiene	0.302	0.274	9.3	88	0.00
41	TC	2,4,6-Trichlorophenol	0.348	0.341	2.0	99	0.00
42	T	2,4,5-Trichlorophenol	0.365	0.350	4.1	97	0.00
43	S	SURR5,2-FLUOROBIPHENYL	1.336	1.296	3.0	100	0.00
44	T	1,1'-Biphenyl	1.513	1.480	2.2	101	0.00
45	T	2-Chloronaphthalene	1.133	1.110	2.0	103	0.00
46	T	2-Nitroaniline	0.440	0.456	-3.6	110	0.00
47	T	Acenaphthylene	1.704	1.684	1.2	102	0.00
48	T	Dimethyl phthalate	1.232	1.255	-1.9	104	0.00
49	T	2,6-Dinitrotoluene	0.302	0.309	-2.3	105	0.00
50	TMC	Acenaphthene	1.146	1.154	-0.7	103	0.00
51	T	3-Nitroaniline	0.310	0.320	-3.2	106	0.00
52	TP	2,4-Dinitrophenol	0.113	0.068	39.8#	69	0.00
53	T	Dibenzofuran	1.643	1.655	-0.7	104	0.00
54	TM	2,4-Dinitrotoluene	0.392	0.413	-5.4	106	0.00
55	TMP	4-Nitrophenol	0.275	0.247	10.2	95	0.00
56	T	Fluorene	1.348	1.368	-1.5	104	0.00
57	T	4-Chlorophenyl-phenylether	0.686	0.686	0.0	103	0.00
58	T	Diethylphthalate	1.236	1.263	-2.2	104	0.00
59	T	4-Nitroaniline	0.317	0.338	-6.6	109	0.00
60	S	SURR3,2,4,6-TRIBROMOPHENOL	0.195	0.206	-5.6	104	0.00
61	IR	d10-Phenanthrene	1.000	1.000	0.0	106	0.00
62	T	1-Phenyl-1(4-methylphenyl)e	0.468	0.459	1.9	104	0.00
63	T	4,6-Dinitro-2-methylphenol	0.127	0.117	7.9	101	0.00
64	T	1,2 Diphenylhydrazine	0.906	0.907	-0.1	105	0.00
65	TC	N-Nitrosodiphenylamine	0.601	0.593	1.3	104	0.00
66	T	4-Bromophenyl-phenylether	0.221	0.221	0.0	106	0.00
67	T	1-Phenyl-1(2,4-dimethylphen	0.579	0.571	1.4	104	0.00
68	T	Hexachlorobenzene	0.240	0.239	0.4	107	0.00
69	T	Atrazine	0.103	0.100	2.9	105	0.00
70	TCM	Pentachlorophenol	0.090	0.069	23.3	87	0.00
71	T	Phenanthrene	1.018	1.020	-0.2	106	0.00
72	T	Anthracene	1.026	1.035	-0.9	107	0.00
73	T	Carbazole	0.942	0.966	-2.5	108	0.00
74	T	Di-n-butylphthalate	1.096	1.128	-2.9	107	0.00
75	TC	Fluoranthene	1.096	1.141	-4.1	109	0.00
76	IR	d12-Chrysene	1.000	1.000	0.0	115	0.00
77	T	Benzidine	0.285	0.235	17.5	83	0.00
78	TM	Pyrene	1.158	1.117	3.5	110	0.00

(#) = Out of Range

00734

Evaluate Continuing Calibration Report

Data File : J:\ACQUDATA\5973B\DATA\121107\CT193.D Vial: 1
Acq On : 11 Dec 2007 10:25 am Operator: Z.Miao
Sample : CALIBRATION CHECK Inst : 5973-B
Misc : 80 PPM STD 8270/625 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : J:\ACQUDATA\5973B\METHODS\82701206.M (RTE Integrator)
Title : 8270 BNA ANALYSIS
Last Update : Fri Dec 07 09:58:25 2007
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
79	S	SURR6,TERPHENYL-D14	0.913	0.888	2.7	111	0.00
80	T	Butyl benzyl phthalate	0.496	0.499	-0.6	114	0.00
81	T	3,3'-Dichlorobenzidine	0.406	0.397	2.2	109	0.00
82	T	Benzo(a)anthracene	1.136	1.139	-0.3	115	0.00
83	T	Chrysene	1.090	1.085	0.5	114	0.00
84	T	bis(2-Ethylhexyl)phthalate	0.668	0.674	-0.9	115	0.00
85	IR	d12-Perylene	1.000	1.000	0.0	115	0.00
86	TC	Di-n-octyl phthalate	1.139	1.183	-3.9	119	0.00
87	T	Benzo(b)Fluoranthene	1.252	1.277	-2.0	115	0.01
88	T	Benzo(k)fluoranthene	1.234	1.267	-2.7	117	0.01
89	TC	Benzo(a)pyrene	1.175	1.193	-1.5	114	0.01
90	T	Indeno(1,2,3-cd)Pyrene	1.601	1.578	1.4	111	0.00
91	T	Dibenz(a,h)anthracene	1.381	1.355	1.9	111	0.02
92	T	Benzo(g,h,i)perylene	1.381	1.351	2.2	111	0.00

Evaluate Continuing Calibration Report

Data File : J:\ACQUDATA\5973B\DATA\121207\CT224.D
Acq On : 12 Dec 2007 10:09 am
Sample : calibration check
Misc : 80 ppm std 8270/625
MS Integration Params: RTEINT.P

LR: 27,40,70

Vial: 1
Operator: Z.Miao
Inst : 5973-B
Multiplr: 1.00

Method : J:\ACQUDATA\5973B\METHODS\82701206.M (RTE Integrator)
Title : 8270 BNA ANALYSIS
Last Update : Fri Dec 07 09:58:25 2007
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	IR	d4-1,4-Dichlorobenzene	1.000	1.000	0.0	85	0.00
2	T	Pyridine	1.389	1.549	-11.5	96	0.00
3	T	N-Nitrosodimethylamine	0.779	0.862	-10.7	93	0.00
4	S	SURR1,2-FLUOROPHENOL	1.215	1.269	-4.4	90	0.00
5	T	Benzaldehyde	0.522	0.402	23.0#	53	0.00
6	T	Aniline	2.023	2.059	-1.8	88	0.00
7	S	SURR2,PHENOL-D6	1.694	1.748	-3.2	88	0.00
8	TMC	Phenol	1.802	1.862	-3.3	88	0.00
9	M	bis(2-Clethyl)Ether	1.455	1.450	0.3	86	0.00
10	TM	2-Chlorophenol	1.340	1.359	-1.4	86	0.00
11	T	1,3-Diclbenzene	1.547	1.584	-2.4	87	0.00
12	TMC	1,4-Dichlorobenzene	1.574	1.617	-2.7	88	0.00
13	T	1,2-Diclbenzene	1.461	1.490	-2.0	88	0.00
14	T	Benzyl Alcohol	1.401	1.474	-5.2	89	0.00
15	T	2,2'-oxybis(1-Chloropropane	2.078	2.293	-10.3	94	0.00
16	T	2-Methylphenol	1.279	1.283	-0.3	86	0.00
17	T	Acetophenone	2.063	2.033	1.5	84	0.00
18	TMP	N-Nitroso-Di-n-propylamine	1.223	1.249	-2.1	88	0.00
19	T	Hexachloroethane	0.680	0.703	-3.4	88	0.00
20	T	4-Methylphenol	1.357	1.378	-1.5	87	0.00
21	T	1-Methyl-2-pyrrolidinone	0.931	0.991	-6.4	90	0.00
22	IR	d8-Naphthalene	1.000	1.000	0.0	88	0.00
23	S	SURR4,NITROBENZENE-D5	0.455	0.469	-3.1	91	0.00
24	T	Nitrobenzene	0.479	0.493	-2.9	91	0.00
25	T	Isophorone	0.699	0.736	-5.3	90	0.00
26	TC	2-Nitrophenol	0.191	0.194	-1.6	88	0.00
27	T	Benzoic Acid	0.120	0.096	20.0	78	0.00
28	T	2,4-Dimethylphenol	0.377	0.387	-2.7	90	0.00
29	T	bis(-2-Chloroethoxy)Methane	0.467	0.478	-2.4	88	0.00
30	TC	2,4-Dichlorophenol	0.287	0.292	-1.7	86	0.00
31	TM	1,2,4-Trichlorobenzene	0.356	0.347	2.5	84	0.00
32	T	Naphthalene	1.027	1.043	-1.6	87	0.00
33	T	4-Chloroaniline	0.409	0.415	-1.5	88	0.00
34	TC	Hexachlorobutadiene	0.226	0.216	4.4	83	0.00
35	TMC	4-Chloro-3-methylphenol	0.323	0.328	-1.5	86	0.00
36	T	Caprolactam	0.113	0.122	-8.0	92	0.00
37	T	2-Methylnaphthalene	0.670	0.678	-1.2	87	0.00
38	T	1-Methylnaphthalene	0.686	0.705	-2.8	89	0.00
39	IR	d10-Acenaphthene	1.000	1.000	0.0	88	0.00

(#) = Out of Range
CT224.D 82701206.M Wed Dec 12 15:44:27 2007

00743

Evaluate Continuing Calibration Report

Data File : J:\ACQUDATA\5973B\DATA\121207\CT224.D Vial: 1
Acq On : 12 Dec 2007 10:09 am Operator: Z.Miao
Sample : calibration check Inst : 5973-B
Misc : 80 ppm std 8270/625 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : J:\ACQUDATA\5973B\METHODS\82701206.M (RTE Integrator)
Title : 8270 BNA ANALYSIS
Last Update : Fri Dec 07 09:58:25 2007
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
40	TP	Hexachlorocyclopentadiene	0.302	0.261	13.6	71	0.00
41	TC	2,4,6-Trichlorophenol	0.348	0.346	0.6	85	0.00
42	T	2,4,5-Trichlorophenol	0.365	0.356	2.5	83	0.00
43	S	SURR5,2-FLUOROBIPHENYL	1.336	1.326	0.7	87	0.00
44	T	1,1'-Biphenyl	1.513	1.514	-0.1	88	0.00
45	T	2-Chloronaphthalene	1.133	1.125	0.7	88	0.00
46	T	2-Nitroaniline	0.440	0.474	-7.7	96	0.00
47	T	Acenaphthylene	1.704	1.740	-2.1	89	0.00
48	T	Dimethyl phthalate	1.232	1.282	-4.1	90	0.00
49	T	2,6-Dinitrotoluene	0.302	0.314	-4.0	91	0.00
50	TMC	Acenaphthene	1.146	1.179	-2.9	89	0.00
51	T	3-Nitroaniline	0.310	0.320	-3.2	90	0.00
52	TP	2,4-Dinitrophenol	0.113	0.070	38.1#	61	0.00
53	T	Dibenzofuran	1.643	1.680	-2.3	90	0.00
54	TM	2,4-Dinitrotoluene	0.392	0.408	-4.1	89	0.00
55	TMP	4-Nitrophenol	0.275	0.268	2.5	87	0.00
56	T	Fluorene	1.348	1.386	-2.8	89	0.00
57	T	4-Chlorophenyl-phenylether	0.686	0.678	1.2	86	0.00
58	T	Diethylphthalate	1.236	1.312	-6.1	91	0.00
59	T	4-Nitroaniline	0.317	0.333	-5.0	91	0.00
60	S	SURR3,2,4,6-TRIBROMOPHENOL	0.195	0.199	-2.1	85	0.00
61	IR	d10-Phenanthrene	1.000	1.000	0.0	88	0.00
62	T	1-Phenyl-1(4-methylphenyl)e	0.468	0.475	-1.5	90	0.00
63	T	4,6-Dinitro-2-methylphenol	0.127	0.115	9.4	82	0.00
64	T	1,2 Diphenylhydrazine	0.906	0.962	-6.2	92	0.00
65	TC	N-Nitrosodiphenylamine	0.601	0.613	-2.0	89	0.00
66	T	4-Bromophenyl-phenylether	0.221	0.224	-1.4	89	0.00
67	T	1-Phenyl-1(2,4-dimethylphen	0.579	0.585	-1.0	88	0.00
68	T	Hexachlorobenzene	0.240	0.242	-0.8	90	0.00
69	T	Atrazine	0.103	0.099	3.9	86	0.00
70	TCM	Pentachlorophenol	0.090	0.067	25.6	71	0.00
71	T	Phenanthrene	1.018	1.037	-1.9	90	0.00
72	T	Anthracene	1.026	1.054	-2.7	90	0.00
73	T	Carbazole	0.942	0.962	-2.1	89	0.00
74	T	Di-n-butylphthalate	1.096	1.153	-5.2	91	0.00
75	TC	Fluoranthene	1.096	1.104	-0.7	88	0.00
76	IR	d12-Chrysene	1.000	1.000	0.0	91	0.00
77	T	Benzidine	0.285	0.218	23.5#	61	0.00
78	TM	Pyrene	1.158	1.131	2.3	88	0.00

(#) = Out of Range

00744

Evaluate Continuing Calibration Report

Data File : J:\ACQUDATA\5973B\DATA\121207\CT224.D Vial: 1
Acq On : 12 Dec 2007 10:09 am Operator: Z.Miao
Sample : calibration check Inst : 5973-B
Misc : 80 ppm std 8270/625 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : J:\ACQUDATA\5973B\METHODS\82701206.M (RTE Integrator)
Title : 8270 BNA ANALYSIS
Last Update : Fri Dec 07 09:58:25 2007
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
79	S	SURR6,TERPHENYL-D14	0.913	0.884	3.2	87	0.00
80	T	Butyl benzyl phthalate	0.496	0.507	-2.2	92	0.00
81	T	3,3'-Dichlorobenzidine	0.406	0.399	1.7	86	0.00
82	T	Benzo(a)anthracene	1.136	1.155	-1.7	92	0.00
83	T	Chrysene	1.090	1.094	-0.4	91	0.00
84	T	bis(2-Ethylhexyl)phthalate	0.668	0.707	-5.8	95	0.00
85	IR	d12-Perylene	1.000	1.000	0.0	95	0.00
86	TC	Di-n-octyl phthalate	1.139	1.197	-5.1	100	0.00
87	T	Benzo(b)Fluoranthene	1.252	1.270	-1.4	95	0.00
88	T	Benzo(k)fluoranthene	1.234	1.269	-2.8	97	0.00
89	TC	Benzo(a)pyrene	1.175	1.187	-1.0	94	0.00
90	T	Indeno(1,2,3-cd)Pyrene	1.601	1.653	-3.2	96	0.00
91	T	Dibenz(a,h)anthracene	1.381	1.414	-2.4	96	0.01
92	T	Benzo(g,h,i)perylene	1.381	1.420	-2.8	96	0.00

00745

Evaluate Continuing Calibration Report

Data File : J:\ACQUDATA\5973B\DATA\121307\CT249.D Vial: 1
Acq On : 13 Dec 2007 9:40 am Operator: Z.Miao
Sample : CALIBRATION CHECK Inst : 5973-B
Misc : 80 PPM STD Multiplr: 1.00
MS Integration Params: RTEINT.P

LR: #27.40.70

Method : J:\ACQUDATA\5973B\METHODS\82701206.M (RTE Integrator)
Title : 8270 BNA ANALYSIS
Last Update : Fri Dec 07 09:58:25 2007
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	IR	d4-1,4-Dichlorobenzene	1.000	1.000	0.0	99	0.00
2	T	Pyridine	1.389	1.479	-6.5	105	0.00
3	T	N-Nitrosodimethylamine	0.779	0.838	-7.6	104	0.00
4	S	SURR1,2-FLUOROPHENOL	1.215	1.268	-4.4	104	0.00
5	T	Benzaldehyde	0.522	0.442	15.3	68	0.00
6	T	Aniline	2.023	2.085	-3.1	103	0.00
7	S	SURR2,PHENOL-D6	1.694	1.777	-4.9	104	0.00
8	TMC	Phenol	1.802	1.864	-3.4	102	0.00
9	M	bis(2-Clethyl)Ether	1.455	1.495	-2.7	102	0.00
10	TM	2-Chlorophenol	1.340	1.372	-2.4	100	0.00
11	T	1,3-Diclbenzene	1.547	1.561	-0.9	99	0.00
12	TMC	1,4-Dichlorobenzene	1.574	1.609	-2.2	101	0.00
13	T	1,2-Diclbenzene	1.461	1.493	-2.2	101	0.00
14	T	Benzyl Alcohol	1.401	1.543	-10.1	107	0.00
15	T	2,2'-oxybis(1-Chloropropane	2.078	2.223	-7.0	105	0.00
16	T	2-Methylphenol	1.279	1.325	-3.6	102	0.00
17	T	Acetophenone	2.063	2.164	-4.9	104	0.00
18	TMP	N-Nitroso-Di-n-propylamine	1.223	1.305	-6.7	106	0.00
19	T	Hexachloroethane	0.680	0.712	-4.7	103	0.00
20	T	4-Methylphenol	1.357	1.442	-6.3	105	0.00
21	T	1-Methyl-2-pyrrolidinone	0.931	1.004	-7.8	105	0.00
22	IR	d8-Naphthalene	1.000	1.000	0.0	104	0.00
23	S	SURR4,NITROBENZENE-D5	0.455	0.471	-3.5	109	0.00
24	T	Nitrobenzene	0.479	0.493	-2.9	108	0.00
25	T	Isophorone	0.699	0.735	-5.2	107	0.00
26	TC	2-Nitrophenol	0.191	0.192	-0.5	104	0.00
27	T	Benzoic Acid	0.120	0.121	-0.8	117	0.00
28	T	2,4-Dimethylphenol	0.377	0.386	-2.4	107	0.00
29	T	bis(-2-Chloroethoxy)Methane	0.467	0.482	-3.2	106	0.00
30	TC	2,4-Dichlorophenol	0.287	0.297	-3.5	104	0.00
31	TM	1,2,4-Trichlorobenzene	0.356	0.353	0.8	102	0.00
32	T	Naphthalene	1.027	1.036	-0.9	103	0.00
33	T	4-Chloroaniline	0.409	0.410	-0.2	103	0.00
34	TC	Hexachlorobutadiene	0.226	0.226	0.0	104	0.00
35	TMC	4-Chloro-3-methylphenol	0.323	0.338	-4.6	105	0.00
36	T	Caprolactam	0.113	0.119	-5.3	108	0.00
37	T	2-Methylnaphthalene	0.670	0.682	-1.8	105	0.00
38	T	1-Methylnaphthalene	0.686	0.701	-2.2	106	0.00
39	IR	d10-Acenaphthene	1.000	1.000	0.0	106	0.00

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : J:\ACQUDATA\5973B\DATA\121307\CT249.D Vial: 1
Acq On : 13 Dec 2007 9:40 am Operator: Z.Miao
Sample : CALIBRATION CHECK Inst : 5973-B
Misc : 80 PPM STD Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : J:\ACQUDATA\5973B\METHODS\82701206.M (RTE Integrator)
Title : 8270 BNA ANALYSIS
Last Update : Fri Dec 07 09:58:25 2007
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
40	TP	Hexachlorocyclopentadiene	0.302	0.239	20.9#	79	0.00
41	TC	2,4,6-Trichlorophenol	0.348	0.353	-1.4	105	0.00
42	T	2,4,5-Trichlorophenol	0.365	0.372	-1.9	105	0.00
43	S	SURR5,2-FLUOROBIPHENYL	1.336	1.316	1.5	104	0.00
44	T	1,1'-Biphenyl	1.513	1.490	1.5	105	0.00
45	T	2-Chloronaphthalene	1.133	1.107	2.3	105	0.00
46	T	2-Nitroaniline	0.440	0.450	-2.3	111	0.00
47	T	Acenaphthylene	1.704	1.702	0.1	106	0.00
48	T	Dimethyl phthalate	1.232	1.253	-1.7	107	0.00
49	T	2,6-Dinitrotoluene	0.302	0.307	-1.7	108	0.00
50	TMC	Acenaphthene	1.146	1.155	-0.8	106	0.00
51	T	3-Nitroaniline	0.310	0.307	1.0	105	0.00
52	TP	2,4-Dinitrophenol	0.113	0.070	38.1#	73	0.00
53	T	Dibenzofuran	1.643	1.635	0.5	106	0.00
54	TM	2,4-Dinitrotoluene	0.392	0.401	-2.3	106	0.00
55	TMP	4-Nitrophenol	0.275	0.264	4.0	104	0.00
56	T	Fluorene	1.348	1.328	1.5	103	0.00
57	T	4-Chlorophenyl-phenylether	0.686	0.678	1.2	105	0.00
58	T	Diethylphthalate	1.236	1.270	-2.8	107	0.00
59	T	4-Nitroaniline	0.317	0.311	1.9	103	0.00
60	S	SURR3,2,4,6-TRIBROMOPHENOL	0.195	0.201	-3.1	104	0.00
61	IR	d10-Phenanthrene	1.000	1.000	0.0	106	0.00
62	T	1-Phenyl-1(4-methylphenyl)e	0.468	0.474	-1.3	107	0.00
63	T	4,6-Dinitro-2-methylphenol	0.127	0.107	15.7	92	0.01
64	T	1,2 Diphenylhydrazine	0.906	0.946	-4.4	109	0.00
65	TC	N-Nitrosodiphenylamine	0.601	0.602	-0.2	105	0.00
66	T	4-Bromophenyl-phenylether	0.221	0.223	-0.9	107	0.00
67	T	1-Phenyl-1(2,4-dimethylphen	0.579	0.587	-1.4	106	0.00
68	T	Hexachlorobenzene	0.240	0.237	1.3	106	0.00
69	T	Atrazine	0.103	0.100	2.9	104	0.00
70	TCM	Pentachlorophenol	0.090	0.074	17.8	93	0.00
71	T	Phenanthrene	1.018	1.017	0.1	106	0.00
72	T	Anthracene	1.026	1.043	-1.7	107	0.00
73	T	Carbazole	0.942	0.944	-0.2	105	0.00
74	T	Di-n-butylphthalate	1.096	1.187	-8.3	113	0.00
75	TC	Fluoranthene	1.096	1.096	0.0	105	0.00
76	IR	d12-Chrysene	1.000	1.000	0.0	107	0.00
77	T	Benzidine	0.285	0.229	19.6	75	0.00
78	TM	Pyrene	1.158	1.172	-1.2	107	0.00

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : J:\ACQUDATA\5973B\DATA\121307\CT249.D Vial: 1
Acq On : 13 Dec 2007 9:40 am Operator: Z.Miao
Sample : CALIBRATION CHECK Inst : 5973-B
Misc : 80 PPM STD Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : J:\ACQUDATA\5973B\METHODS\82701206.M (RTE Integrator)
Title : 8270 BNA ANALYSIS
Last Update : Fri Dec 07 09:58:25 2007
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
79	S	SURR6,TERPHENYL-D14	0.913	0.941	-3.1	109	0.00
80	T	Butyl benzyl phthalate	0.496	0.539	-8.7	114	0.00
81	T	3,3'-Dichlorobenzidine	0.406	0.396	2.5	101	0.00
82	T	Benzo(a)anthracene	1.136	1.144	-0.7	107	0.01
83	T	Chrysene	1.090	1.079	1.0	105	0.00
84	T	bis(2-Ethylhexyl)phthalate	0.668	0.751	-12.4	119	0.01
85	IR	d12-Perylene	1.000	1.000	0.0	102	0.02
86	TC	Di-n-octyl phthalate	1.139	1.335	-17.2	119	0.00
87	T	Benzo(b)Fluoranthene	1.252	1.271	-1.5	101	0.02
88	T	Benzo(k)fluoranthene	1.234	1.258	-1.9	103	0.02
89	TC	Benzo(a)pyrene	1.175	1.180	-0.4	100	0.02
90	T	Indeno(1,2,3-cd)Pyrene	1.601	1.554	2.9	97	0.02
91	T	Dibenz(a,h)anthracene	1.381	1.343	2.8	98	0.02
92	T	Benzo(g,h,i)perylene	1.381	1.316	4.7	96	0.03

00755

Evaluate Continuing Calibration Report

Data File : J:\ACQUDATA\5973B\DATA\121307\CT249.D Vial: 1
Acq On : 13 Dec 2007 9:40 am Operator: Z.Miao
Sample : CALIBRATION CHECK Inst : 5973-B
Misc : 80 PPM STD Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : J:\ACQUDATA\5973B\METHODS\82701206.M (RTE Integrator)
Title : 8270 BNA ANALYSIS
Last Update : Fri Dec 07 09:58:25 2007
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	IR	d4-1,4-Dichlorobenzene	40.000	40.000	0.0	99	0.00
2	T	Pyridine	80.000	85.178	-6.5	105	0.00
3	T	N-Nitrosodimethylamine	80.000	86.036	-7.5	104	0.00
4	S	SURR1,2-FLUOROPHENOL	80.000	83.455	-4.3	104	0.00
5	T	Benzaldehyde	80.000	67.724	15.3	68	0.00
6	T	Aniline	80.000	82.456	-3.1	103	0.00
7	S	SURR2,PHENOL-D6	80.000	83.924	-4.9	104	0.00
8	TMC	Phenol	80.000	82.745	-3.4	102	0.00
9	M	bis(2-Clethyl)Ether	80.000	82.239	-2.8	102	0.00
10	TM	2-Chlorophenol	80.000	81.961	-2.5	100	0.00
11	T	1,3-Diclbenzene	80.000	80.738	-0.9	99	0.00
12	TMC	1,4-Dichlorobenzene	80.000	81.810	-2.3	101	0.00
13	T	1,2-Diclbenzene	80.000	81.723	-2.2	101	0.00
14	T	Benzyl Alcohol	80.000	88.103	-10.1	107	0.00
15	T	2,2'-oxybis(1-Chloropropane	80.000	85.585	-7.0	105	0.00
16	T	2-Methylphenol	80.000	82.885	-3.6	102	0.00
17	T	Acetophenone	80.000	83.906	-4.9	104	0.00
18	TMP	N-Nitroso-Di-n-propylamine	80.000	85.344	-6.7	106	0.00
19	T	Hexachloroethane	80.000	83.799	-4.7	103	0.00
20	T	4-Methylphenol	80.000	84.981	-6.2	105	0.00
21	T	1-Methyl-2-pyrrolidinone	80.000	86.277	-7.8	105	0.00
22	IR	d8-Naphthalene	40.000	40.000	0.0	104	0.00
23	S	SURR4,NITROBENZENE-D5	80.000	82.832	-3.5	109	0.00
24	T	Nitrobenzene	80.000	82.259	-2.8	108	0.00
25	T	Isophorone	80.000	84.216	-5.3	107	0.00
26	TC	2-Nitrophenol	80.000	80.220	-0.3	104	0.00
27	T	Benzoic Acid	80.000	84.203	-5.3	117	0.00
28	T	2,4-Dimethylphenol	80.000	81.944	-2.4	107	0.00
29	T	bis(-2-Chloroethoxy)Methane	80.000	82.497	-3.1	106	0.00
30	TC	2,4-Dichlorophenol	80.000	82.602	-3.3	104	0.00
31	TM	1,2,4-Trichlorobenzene	80.000	79.401	0.7	102	0.00
32	T	Naphthalene	80.000	80.741	-0.9	103	0.00
33	T	4-Chloroaniline	80.000	80.105	-0.1	103	0.00
34	TC	Hexachlorobutadiene	80.000	79.972	0.0	104	0.00
35	TMC	4-Chloro-3-methylphenol	80.000	83.742	-4.7	105	0.00
36	T	Caprolactam	80.000	84.530	-5.7	108	0.00
37	T	2-Methylnaphthalene	80.000	81.443	-1.8	105	0.00
38	T	1-Methylnaphthalene	80.000	81.757	-2.2	106	0.00
39	IR	d10-Acenaphthene	40.000	40.000	0.0	106	0.00

(#) = Out of Range

00756

Evaluate Continuing Calibration Report

Data File : J:\ACQUDATA\5973B\DATA\121307\CT249.D Vial: 1
Acq On : 13 Dec 2007 9:40 am Operator: Z.Miao
Sample : CALIBRATION CHECK Inst : 5973-B
Misc : 80 PPM STD Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : J:\ACQUDATA\5973B\METHODS\82701206.M (RTE Integrator)
Title : 8270 BNA ANALYSIS
Last Update : Fri Dec 07 09:58:25 2007
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
40	TP	Hexachlorocyclopentadiene	80.000	60.438	24.5#	79	0.00
41	TC	2,4,6-Trichlorophenol	80.000	81.010	-1.3	105	0.00
42	T	2,4,5-Trichlorophenol	80.000	81.443	-1.8	105	0.00
43	S	SURR5,2-FLUOROBIPHENYL	80.000	78.785	1.5	104	0.00
44	T	1,1'-Biphenyl	80.000	78.815	1.5	105	0.00
45	T	2-Chloronaphthalene	80.000	78.161	2.3	105	0.00
46	T	2-Nitroaniline	80.000	81.812	-2.3	111	0.00
47	T	Acenaphthylene	80.000	79.904	0.1	106	0.00
48	T	Dimethyl phthalate	80.000	81.317	-1.6	107	0.00
49	T	2,6-Dinitrotoluene	80.000	81.503	-1.9	108	0.00
50	TMC	Acenaphthene	80.000	80.621	-0.8	106	0.00
51	T	3-Nitroaniline	80.000	79.184	1.0	105	0.00
52	TP	2,4-Dinitrophenol	80.000	49.577	38.0#	73	0.00
53	T	Dibenzofuran	80.000	79.621	0.5	106	0.00
54	TM	2,4-Dinitrotoluene	80.000	81.795	-2.2	106	0.00
55	TMP	4-Nitrophenol	80.000	76.772	4.0	104	0.00
56	T	Fluorene	80.000	78.769	1.5	103	0.00
57	T	4-Chlorophenyl-phenylether	80.000	79.155	1.1	105	0.00
58	T	Diethylphthalate	80.000	82.221	-2.8	107	0.00
59	T	4-Nitroaniline	80.000	78.386	2.0	103	0.00
60	S	SURR3,2,4,6-TRIBROMOPHENOL	80.000	82.272	-2.8	104	0.00
61	IR	d10-Phenanthrene	40.000	40.000	0.0	106	0.00
62	T	1-Phenyl-1(4-methylphenyl)e	80.000	80.964	-1.2	107	0.00
63	T	4,6-Dinitro-2-methylphenol	80.000	67.645	15.4	92	0.01
64	T	1,2 Diphenylhydrazine	80.000	83.490	-4.4	109	0.00
65	TC	N-Nitrosodiphenylamine	80.000	80.161	-0.2	105	0.00
66	T	4-Bromophenyl-phenylether	80.000	80.695	-0.9	107	0.00
67	T	1-Phenyl-1(2,4-dimethylphen	80.000	81.113	-1.4	106	0.00
68	T	Hexachlorobenzene	80.000	79.020	1.2	106	0.00
69	T	Atrazine	80.000	77.534	3.1	104	0.00
70	TCM	Pentachlorophenol	80.000	72.438	9.5	93	0.00
71	T	Phenanthrene	80.000	79.894	0.1	106	0.00
72	T	Anthracene	80.000	81.312	-1.6	107	0.00
73	T	Carbazole	80.000	80.151	-0.2	105	0.00
74	T	Di-n-butylphthalate	80.000	86.650	-8.3	113	0.00
75	TC	Fluoranthene	80.000	80.011	-0.0	105	0.00
76	IR	d12-Chrysene	40.000	40.000	0.0	107	0.00
77	T	Benzidine	80.000	64.268	19.7	75	0.00
78	TM	Pyrene	80.000	80.944	-1.2	107	0.00

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : J:\ACQUDATA\5973B\DATA\121307\CT249.D Vial: 1
Acq On : 13 Dec 2007 9:40 am Operator: Z.Miao
Sample : CALIBRATION CHECK Inst : 5973-B
Misc : 80 PPM STD Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : J:\ACQUDATA\5973B\METHODS\82701206.M (RTE Integrator)
Title : 8270 BNA ANALYSIS
Last Update : Fri Dec 07 09:58:25 2007
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
79	S	SURR6,TERPHENYL-D14	80.000	82.464	-3.1	109	0.00
80	T	Butyl benzyl phthalate	80.000	86.852	-8.6	114	0.00
81	T	3,3'-Dichlorobenzidine	80.000	78.141	2.3	101	0.00
82	T	Benzo(a)anthracene	80.000	80.544	-0.7	107	0.01
83	T	Chrysene	80.000	79.242	0.9	105	0.00
84	T	bis(2-Ethylhexyl)phthalate	80.000	89.921	-12.4	119	0.01
85	IR	d12-Perylene	40.000	40.000	0.0	102	0.02
86	TC	Di-n-octyl phthalate	80.000	93.749	-17.2	119	0.00
87	T	Benzo(b)Fluoranthene	80.000	81.205	-1.5	101	0.02
88	T	Benzo(k)fluoranthene	80.000	81.541	-1.9	103	0.02
89	TC	Benzo(a)pyrene	80.000	80.323	-0.4	100	0.02
90	T	Indeno(1,2,3-cd)Pyrene	80.000	77.638	3.0	97	0.02
91	T	Dibenz(a,h)anthracene	80.000	77.830	2.7	98	0.02
92	T	Benzo(g,h,i)perylene	80.000	76.223	4.7	96	0.03

00758

Nonconformances - CAS SDG R2741250

COLUMBIA ANALYTICAL SERVICES

QUALITY CONTROL SUMMARY MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

SOIL/SEDIMENT

Spiked Order No. : 1060901 ENSR International

Client ID: SD13 (5-7)

Test: 8260B

Analytical Units: UG/KG

Run Number : 155293

Percent Solid : 59.2

	SPIKE		MATRIX SPIKE		MATRIX SPIKE DUP.				QC LIMITS
	ADDED	CONCENT.							
ANALYTE		SAMPLE	FOUND	% REC.	FOUND	% REC.	RPD	RPD	REC.
METHYL ACETATE	84.5	0	76.0	90	81.1	96	6	30	50 - 150
METHYLCYCLOHEXANE	84.5	0	74.3	88	70.9	84	5	30	50 - 150
METHYLENE CHLORIDE	84.5	0.895	99.7	117	96.3	113	3	30	70 - 130
4-METHYL-2-PENTANONE (MIBK	84.5	0	72.6	86	69.3	82	5	30	70 - 130
STYRENE	84.5	0	52.4	62 *	37.2	44 *	34 *	30	70 - 130
1,1,2,2-TETRACHLOROETHANE	84.5	0	87.8	104	77.7	92	12	30	70 - 130
TETRACHLOROETHENE	84.5	0	70.9	84	65.9	78	7	30	70 - 130
TOLUENE	84.5	2.36	84.5	97	74.3	85	13	30	70 - 130
1,2,4-TRICHLOROBENZENE	84.5	0	40.5	48 *	28.7	34 *	34 *	30	70 - 130
1,1,1-TRICHLOROETHANE	84.5	0	101	120	92.9	110	8	30	70 - 130
1,1,2-TRICHLOROETHANE	84.5	0	79.4	94	72.6	86	9	30	70 - 130
TRICHLOROETHENE	84.5	0.878	86.1	101	72.6	85	17	30	70 - 130
TRICHLOROFLUOROMETHANE	84.5	0	106	125	101	120	5	30	70 - 130
1,1,2-TRICHLORO1,2,2-TRIFL	84.5	0	98.0	116	96.3	114	2	30	70 - 130
VINYL CHLORIDE	84.5	0	89.5	106	84.5	100	6	30	70 - 130
O-XYLENE	84.5	0	76.0	90	69.3	82	9	30	70 - 130
M+P-XYLENE	169	0	155	92	137	81	12	30	70 - 130

COLUMBIA ANALYTICAL SERVICES

QUALITY CONTROL SUMMARY MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

SOIL/SEDIMENT

Spiked Order No. : 1060901 ENSR International

Client ID: SD13 (5-7)

Test: 8260B

Analytical Units: UG/KG

Run Number : 155293

Percent Solid : 59.2

ANALYTE	SPIKE ADDED	CONCENT. SAMPLE	MATRIX SPIKE FOUND	MATRIX SPIKE % REC.	MATRIX SPIKE DUP. FOUND	MATRIX SPIKE DUP. % REC.	RPD	QC LIMITS RPD	QC LIMITS REC.
METHYL ACETATE	84.5	0	76.0	90	81.1	96	6	30	50 - 150
METHYLCYCLOHEXANE	84.5	0	74.3	88	70.9	84	5	30	50 - 150
METHYLENE CHLORIDE	84.5	0.895	99.7	117	96.3	113	3	30	70 - 130
4-METHYL-2-PENTANONE (MIBK	84.5	0	72.6	86	69.3	82	5	30	70 - 130
STYRENE	84.5	0	52.4	62 *	37.2	44 *	34 *	30	70 - 130
1,1,2,2-TETRACHLOROETHANE	84.5	0	87.8	104	77.7	92	12	30	70 - 130
TETRACHLOROETHENE	84.5	0	70.9	84	65.9	78	7	30	70 - 130
TOLUENE	84.5	2.36	84.5	97	74.3	85	13	30	70 - 130
1,2,4-TRICHLOROBENZENE	84.5	0	40.5	48 *	28.7	34 *	34 *	30	70 - 130
1,1,1-TRICHLOROETHANE	84.5	0	101	120	92.9	110	8	30	70 - 130
1,1,2-TRICHLOROETHANE	84.5	0	79.4	94	72.6	86	9	30	70 - 130
TRICHLOROETHENE	84.5	0.878	86.1	101	72.6	85	17	30	70 - 130
TRICHLOROFLUOROMETHANE	84.5	0	106	125	101	120	5	30	70 - 130
1,1,2-TRICHLORO1,2,2-TRIFL	84.5	0	98.0	116	96.3	114	2	30	70 - 130
VINYL CHLORIDE	84.5	0	89.5	106	84.5	100	6	30	70 - 130
O-XYLENE	84.5	0	76.0	90	69.3	82	9	30	70 - 130
M+P-XYLENE	169	0	155	92	137	81	12	30	70 - 130

OLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD: 8260B

LABORATORY CONTROL SAMPLE SUMMARY

REFERENCE ORDER #: 1065617 ANALYTICAL RUN # : 155190

DATE ANALYZED : 12/12/07
ANALYTICAL DILUTION: 1.0

ANALYTE	TRUE VALUE	% RECOVERY	QC LIMITS
ACETONE	20.0	120	50 - 150
BENZENE	20.0	109	70 - 130
BROMODICHLOROMETHANE	20.0	116	70 - 130
BROMOFORM	20.0	103	70 - 130
BROMOMETHANE	20.0	102	50 - 150
2-BUTANONE (MEK)	20.0	104	50 - 150
METHYL-TERT-BUTYL ETHER	20.0	132 *	70 - 130
CARBON DISULFIDE	20.0	100	70 - 130
CARBON TETRACHLORIDE	20.0	112	70 - 130
CHLOROBENZENE	20.0	97	70 - 130
CHLOROETHANE	20.0	115	70 - 130
CHLOROFORM	20.0	114	70 - 130
CHLOROMETHANE	20.0	99	70 - 130
1,2-DIBROMO-3-CHLOROPROPANE	20.0	88	50 - 150
CYCLOHEXANE	20.0	113	70 - 130
DIBROMOCHLOROMETHANE	20.0	103	70 - 130
1,2-DIBROMOETHANE	20.0	104	70 - 130
1,3-DICHLOROBENZENE	20.0	99	70 - 130
1,4-DICHLOROBENZENE	20.0	100	70 - 130
1,2-DICHLOROBENZENE	20.0	101	70 - 130
DICHLORODIFLUOROMETHANE	20.0	135 *	70 - 130
1,1-DICHLOROETHANE	20.0	126	70 - 130
1,2-DICHLOROETHANE	20.0	118	70 - 130
1,1-DICHLOROETHENE	20.0	122	70 - 130
CIS-1,2-DICHLOROETHENE	20.0	124	70 - 130
TRANS-1,2-DICHLOROETHENE	20.0	110	70 - 130
1,2-DICHLOROPROPANE	20.0	121	70 - 130
CIS-1,3-DICHLOROPROPENE	20.0	114	70 - 130
TRANS-1,3-DICHLOROPROPENE	20.0	97	70 - 130
ETHYLBENZENE	20.0	101	70 - 130
2-HEXANONE	20.0	85	70 - 130
ISOPROPYLBENZENE	20.0	102	70 - 130
METHYL ACETATE	20.0	109	50 - 150
METHYLCYCLOHEXANE	20.0	109	50 - 150
METHYLENE CHLORIDE	20.0	123	70 - 130
4-METHYL-2-PENTANONE (MIBK)	20.0	91	70 - 130
STYRENE	20.0	98	70 - 130
1,1,2,2-TETRACHLOROETHANE	20.0	102	70 - 130
TETRACHLOROETHENE	20.0	94	70 - 130
TOLUENE	20.0	110	70 - 130
1,2,4-TRICHLOROBENZENE	20.0	104	70 - 130

OLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD: 8260B

LABORATORY CONTROL SAMPLE SUMMARY

REFERENCE ORDER #: 1066414 ANALYTICAL RUN # : 155293

ANALYTE	TRUE VALUE	% RECOVERY	QC LIMITS
DATE ANALYZED : 12/13/07			
ANALYTICAL DILUTION: 1.0			
ACETONE	20.0	142	50 - 150
BENZENE	20.0	107	70 - 130
BROMODICHLOROMETHANE	20.0	114	70 - 130
BROMOFORM	20.0	96	70 - 130
BROMOMETHANE	20.0	100	50 - 150
2-BUTANONE (MEK)	20.0	114	50 - 150
METHYL-TERT-BUTYL ETHER	20.0	127	70 - 130
CARBON DISULFIDE	20.0	114	70 - 130
CARBON TETRACHLORIDE	20.0	104	70 - 130
CHLOROBENZENE	20.0	92	70 - 130
CHLOROETHANE	20.0	115	70 - 130
CHLOROFORM	20.0	114	70 - 130
CHLOROMETHANE	20.0	99	70 - 130
1,2-DIBROMO-3-CHLOROPROPANE	20.0	85	50 - 150
CYCLOHEXANE	20.0	105	70 - 130
DIBROMOCHLOROMETHANE	20.0	97	70 - 130
1,2-DIBROMOETHANE	20.0	96	70 - 130
1,3-DICHLOROBENZENE	20.0	91	70 - 130
1,4-DICHLOROBENZENE	20.0	89	70 - 130
1,2-DICHLOROBENZENE	20.0	95	70 - 130
DICHLORODIFLUOROMETHANE	20.0	132 *	70 - 130
1,1-DICHLOROETHANE	20.0	114	70 - 130
1,2-DICHLOROETHANE	20.0	117	70 - 130
1,1-DICHLOROETHENE	20.0	116	70 - 130
CIS-1,2-DICHLOROETHENE	20.0	120	70 - 130
TRANS-1,2-DICHLOROETHENE	20.0	102	70 - 130
1,2-DICHLOROPROPANE	20.0	117	70 - 130
CIS-1,3-DICHLOROPROPENE	20.0	111	70 - 130
TRANS-1,3-DICHLOROPROPENE	20.0	91	70 - 130
ETHYLBENZENE	20.0	93	70 - 130
2-HEXANONE	20.0	88	70 - 130
ISOPROPYLBENZENE	20.0	97	70 - 130
METHYL ACETATE	20.0	104	50 - 150
METHYLCYCLOHEXANE	20.0	103	50 - 150
METHYLENE CHLORIDE	20.0	125	70 - 130
4-METHYL-2-PENTANONE (MIBK)	20.0	94	70 - 130
STYRENE	20.0	91	70 - 130
1,1,2,2-TETRACHLOROETHANE	20.0	89	70 - 130
TETRACHLOROETHENE	20.0	94	70 - 130
TOLUENE	20.0	100	70 - 130
1,2,4-TRICHLOROBENZENE	20.0	94	70 - 130

OLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD: 8260B

LABORATORY CONTROL SAMPLE SUMMARY

REFERENCE ORDER #: 1066414 ANALYTICAL RUN # : 155293

ANALYTE	TRUE VALUE	% RECOVERY	QC LIMITS
DATE ANALYZED : 12/13/07			
ANALYTICAL DILUTION: 1.0			
1,1,1-TRICHLOROETHANE	20.0	114	70 - 130
1,1,2-TRICHLOROETHANE	20.0	101	70 - 130
TRICHLOROETHENE	20.0	109	70 - 130
TRICHLOROFLUOROMETHANE	20.0	120	70 - 130
1,1,2-TRICHLORO1,2,2-TRIFLUOROETHA	20.0	117	70 - 130
VINYL CHLORIDE	20.0	99	70 - 130
O-XYLENE	20.0	94	70 - 130
M+P-XYLENE	40.0	96	70 - 130

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CASROCH Contract: ENSR

Lab Code: 10145 Case No.: R7-41250 SAS No.: _____ SDG No.: SD7 19-21

Lab File ID (Standard): Q8774.D Date Analyzed: 12/13/07

Instrument ID: MSVOA7 Time Analyzed: 02:31

GC Column: DB624 ID: 0.25 (mm) Heated Purge (Y/N): Y

		IS4 AREA #	RT #	AREA #	RT #	AREA #	RT #
	12 HOUR STD	297024	22.55				
	UPPER LIMIT	594048	22.05				
	LOWER LIMIT	148512	23.05				
	EPA SAMPLE NO.						
01	LCS3	291442	22.55				
02	METBLK3	287580	22.56				
03	SD15 6-7	267514	22.56				
04	SD11 6-8	183461	22.56				
05	SD11 19-20	294616	22.56				
06	SD14 6-8	249930	22.57				
07	SD15 0-2	246226	22.57				
08	SD13 5-7	255347	22.57				
09	SD12 2-4	120852 *	22.58				
10	SD13 15-17	185721	22.59				
11	SD13 5-7MS	174216	22.59				
12	SD13 5-7MSD	188646	22.59				

IS1 = Pentafluorobenzene
IS2 = 1,4 - Difluorobenzene
IS3 = d5 - Chlorobenzene
IS4 = d4 - Dichlorobenzene

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk.
* Values outside of contract required QC limits

8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CASROCH Contract: ENSR

Lab Code: 10145 Case No.: R7-41250 SAS No.: _____ SDG No.: SD7 19-21

Lab File ID (Standard): Q8795.D Date Analyzed: 12/13/07

Instrument ID: MSVOA7 Time Analyzed: 15:32

GC Column: DB624 ID: 0.25 (mm) Heated Purge (Y/N): Y

		IS4 AREA #	RT #	AREA #	RT #	AREA #	RT #
	12 HOUR STD	256252	22.60				
	UPPER LIMIT	512504	22.10				
	LOWER LIMIT	128126	23.10				
	EPA SAMPLE NO.						
01	LCS4	253413	22.59				
02	METBLK4	268438	22.60				
03	SD12 2-4RE	123957 *	22.60				

IS1 = Pentafluorobenzene
IS2 = 1,4 - Difluorobenzene
IS3 = d5 - Chlorobenzene
IS4 = d4 - Dichlorobenzene

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk.
* Values outside of contract required QC limits

Data File : J:\ACQUDATA\MSVOA7\DATA\121207\Q8750.D Vial: 27
Acq On : 12 Dec 2007 10:51 am Operator: K.Ruest
Sample : CCV Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : J:\ACQUDATA\MSVOA7\METHODS\SOL1003.M (RTE Integrator)
Title : 8260voa
Last Update : Thu Oct 04 15:14:55 2007
Response via : Multiple Level Calibration

LL 12/12/07

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	
1	I	Pentafluorobenzene	1.000	1.000	0.0	84	-0.03	
2		Dichlorodifluoromethane	0.598	0.770	-28.8#	118	0.00	M
3	p	Chloromethane	0.860	0.834	3.0	89	-0.03	
4	c	Vinyl Chloride	0.620	0.617	0.5	88	-0.02	
5		Bromomethane	0.506	0.533	-5.3	94	-0.02	
6		Chloroethane	0.532	0.556	-4.5	99	-0.02	
7		Trichlorofluoromethane	0.794	0.881	-11.0	96	0.00	
8		Diethyl Ether	0.602	0.696	-15.6	101	-0.02	
9		FREON 123A	0.964	1.049	-8.8	86	-0.02	
10		FREON 123	0.989	1.076	-8.8	86	-0.02	
11		Acrolein	0.142	0.131	7.7	75	-0.02	
12		FREON 113	0.251	0.303	-20.7#	106	-0.03	M
13	c	1,1-Diclethene	0.477	0.529	-10.9	101	-0.02	
14		Acetone	0.364	0.437	-20.1#	104	-0.02	
15		2-Propanol	0.111	0.107	3.6	78	-0.02	
16		Iodomethane	0.486	0.566	-16.5	93	-0.02	
17		Carbon Disulfide	2.321	2.581	-11.2	92	-0.02	
18		Acetonitrile	0.142	0.154	-8.5	98	-0.03	
19		Allyl Chloride	1.551	1.724	-11.2	96	-0.03	
20		Methyl Acetate	1.406	1.531	-8.9	90	-0.02	
21		Methylene Chloride	0.711	0.772	-8.6	98	-0.03	
22		TBA	0.139	0.133	4.3	81	-0.02	
23		Acrylonitrile	0.409	0.423	-3.4	89	-0.02	
24		Methyl-t-Butyl Ether	1.824	2.204	-20.8#	107	-0.02	M
25		trans-1,2-Dichloroethene	0.656	0.703	-7.2	102	-0.03	
26	p	1,1-Diclethane	1.429	1.584	-10.8	100	-0.02	
27		Vinyl Acetate	1.334	1.321	1.0	81	-0.02	
28		2-Chloro-1,3-butadiene	0.944	1.398	-48.1#	120	-0.03	M
29		2,2-Dichloropropane	0.970	1.082	-11.5	105	-0.03	
30		2-Butanone	0.765	0.774	-1.2	85	-0.02	
31		cis-1,2-Dichloroethene	0.736	0.824	-12.0	104	-0.02	
32		Propionitrile	0.172	0.169	1.7	87	-0.03	
33		Methacrylonitrile	0.376	0.413	-9.8	94	-0.02	
34		Bromochloromethane	0.427	0.442	-3.5	99	-0.03	
35	c	Chloroform	1.262	1.370	-8.6	98	-0.03	
36		Tetrahydrofuran	0.482	0.473	1.9	90	-0.03	
37		1,1,1-Trichloroethane	0.885	0.979	-10.6	102	-0.03	
38		Cyclohexane	1.743	1.804	-3.5	85	-0.03	
39	I	1,4 - Difluorobenzene	1.000	1.000	0.0	92	-0.03	
40	s	surr4,Dibrflmethane	0.400	0.352	12.0	85	-0.03	
41		Carbontetrachloride	0.459	0.476	-3.7	101	-0.04	
42		1,1-Dichloropropene	0.603	0.619	-2.7	99	-0.03	
43		Iso-Butyl Alcohol	0.047	0.042	10.6	78	-0.02	
44	s	surr1,1,2-Diclethane	0.405	0.368	9.1	88	-0.03	
45		Benzene	1.602	1.626	-1.5	101	-0.03	
46		1,2-Dichloroethane	0.583	0.634	-8.7	105	-0.03	
47		N-Heptane	1.021	1.092	-7.0	108	-0.03	
48		Trichloroethene	0.407	0.446	-9.6	103	-0.03	
49		Methylcyclohexane	0.860	0.887	-3.1	91	-0.04	

(#) = Out of Range

Data File : J:\ACQUDATA\MSVOA7\DATA\121207\Q8750.D Vial: 27
Acq On : 12 Dec 2007 10:51 am Operator: K.Ruest
Sample : CCV Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : J:\ACQUDATA\MSVOA7\METHODS\SOL1003.M (RTE Integrator)
Title : 8260voa
Last Update : Thu Oct 04 15:14:55 2007
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
50	c	1,2-Diclpropane	0.572	0.617	-7.9	105	-0.03
51		Methyl Methacrylate	0.134	0.138	-3.0	98	-0.03
52		1,4-Dioxane	0.007	0.006	14.3	86	-0.04
53		Dibromomethane	0.323	0.349	-8.0	105	-0.03
54		Bromodichloromethane	0.585	0.642	-9.7	102	-0.04
55		2-Nitropropane	0.208	0.188	9.6	87	-0.03
56		2-Chloroethylvinyl Ether	0.420	0.430	-2.4	99	-0.04
57		cis-1,3-Dichloropropene	0.781	0.844	-8.1	101	-0.03
58	I	d5 - Chlorobenzene	1.000	1.000	0.0	103	-0.03
59		4-Methyl-2-Pentanone	1.039	0.960	7.6	95	-0.03
50	c	Toluene	1.716	1.609	6.2	102	-0.03
51		trans-1,3-Dichloropropene	0.748	0.697	6.8	100	-0.04
52		Ethyl Methacrylate	0.808	0.748	7.4	98	-0.03
53		1,1,2-Trichloroethane	0.404	0.364	9.9	98	-0.03
54	s	surr3,Toluene-d8	1.323	1.117	15.6	92	-0.03
55	s	surr2,bfb	0.570	0.522	8.4	104	-0.03
56		Tetrachloroethene	0.473	0.419	11.4	100	-0.03
57		2-Hexanone	0.821	0.738	10.1	91	-0.03
58		1,3-Dichloropropane	0.822	0.784	4.6	99	-0.04
59		Butyl Acetate	0.000	0.000	0.0	92	-0.03
70		Dibromochloromethane	0.549	0.512	6.7	99	-0.04
71		1,2-Dibromoethane	0.518	0.488	5.8	99	-0.03
72	p	Chlorobenzene	1.230	1.108	9.9	98	-0.03
73		1,1,1,2-Tetrachloroethane	0.441	0.417	5.4	100	-0.03
74	c	Ethylbenzene	2.015	1.866	7.4	102	-0.03
75		(m+p)Xylene	0.738	0.692	6.2	106	-0.03
76		o-Xylene	0.759	0.692	8.8	104	-0.04
77		Styrene	1.279	1.238	3.2	107	-0.04
78	p	Bromoform	0.421	0.378	10.2	97	-0.04
79		Isopropylbenzene	1.926	1.755	8.9	99	-0.04
80		Cyclohexanone	0.109	0.092	-7.2 ~~15.6~~	110	-0.03 (KR)
81	I	d4 - Dichlorobenzene	1.000	1.000	0.0	100	-0.03
82	p	1,1,2,2-Tetrachloroethane	1.591	1.412	11.3	91	-0.04
83		Trans-1,4-Dichloro-2-butene	0.342	0.416	-21.6#	126	-0.04
84		1,2,3-Trichloropropane	0.391	0.363	7.2	98	-0.04
85		n-Propylbenzene	5.249	4.986	5.0	103	-0.04
86		Bromobenzene	1.104	1.043	5.5	101	-0.04
87		1,3,5-Trimethylbenzene	3.304	3.091	6.4	101	-0.03
88		2-Chlorotoluene	3.022	2.767	8.4	102	-0.03
89		4-Chlorotoluene	3.076	2.959	3.8	107	-0.04
90		tert-Butylbenzene	2.864	2.539	11.3	97	-0.03
91		1,2,4-Trimethylbenzene	3.311	3.106	6.2	102	-0.03
92		sec-Butylbenzene	4.470	3.988	10.8	99	-0.04
93		p-Isopropyltoluene	3.747	3.334	11.0	96	-0.03
94		1,3-Dclbenz	2.022	1.819	10.0	97	-0.03
95		1,4-Dclbenz	2.053	1.895	7.7	99	-0.04
		n-Butylbenzene	3.808	3.400	10.7	99	-0.04
		1,2-Dclbenz	1.908	1.760	7.8	100	-0.04

#) = Out of Range

00653

Data File : J:\ACQUDATA\MSVOA7\DATA\121207\Q8750.D Vial: 27
Acq On : 12 Dec 2007 10:51 am Operator: K.Ruest
Sample : CCV Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : J:\ACQUDATA\MSVOA7\METHODS\SOL1003.M (RTE Integrator)
Title : 8260voa
Last Update : Thu Oct 04 15:14:55 2007
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
98	1,2-Dibromo-3-chloropropane	0.354	0.286	19.2	91	-0.03
99	Nitrobenzene	0.252	0.197	21.8#	80	-0.03
00	1,2,4-Tcbenzene	1.254	1.114	11.2	96	-0.03
01	Hexachlorobu	0.725	0.625	13.8	96	-0.04
02	Naphthalen	3.381	2.933	13.3	94	-0.03
03	1,2,3-Tclbenzene	1.143	1.011	11.5	98	-0.03

#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data File : J:\ACQUDATA\MSVOA7\DATA\121207\Q8774.D Vial: 20
Acq On : 13 Dec 2007 2:31 am Operator: K.Ruest
Sample : CCV Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : J:\ACQUDATA\MSVOA7\METHODS\SOL1003.M (RTE Integrator)
Title : 8260voa
Last Update : Wed Dec 12 11:30:24 2007
Response via : Multiple Level Calibration

KR 12/13/07

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	90	-0.04
2		Dichlorodifluoromethane	0.598	0.788	-31.8#	130	-0.02
3	p	Chloromethane	0.860	0.877	-2.0	101	-0.04
4	c	Vinyl Chloride	0.620	0.629	-1.5	96	-0.03
5		Bromomethane	0.506	0.523	-3.4	99	-0.03
6		Chloroethane	0.532	0.576	-8.3	110	-0.03
7		Trichlorofluoromethane	0.794	0.962	-21.2#	112	-0.03
8		Diethyl Ether	0.602	0.721	-19.8	112	-0.03
9		FREON 123A	0.964	1.046	-8.5	92	-0.03
0		FREON 123	0.989	1.058	-7.0	90	-0.03
1		Acrolein	0.142	0.112	21.1#	69	-0.03
2		FREON 113	0.251	0.307	-22.3#	116	-0.03
3	c	1,1-Diclethene	0.477	0.548	-14.9	113	-0.03
4		Acetone	0.364	0.426	-17.0	109	-0.03
5		2-Propanol	0.111	0.115	-3.6	90	-0.03
6		Iodomethane	0.486	0.530	-9.1	94	-0.03
7		Carbon Disulfide	2.321	2.540	-9.4	97	-0.03
8		Acetonitrile	0.142	0.169	-19.0	115	-0.03
9		Allyl Chloride	1.551	1.682	-8.4	100	-0.04
0		Methyl Acetate	1.406	1.508	-7.3	95	-0.03
1		Methylene Chloride	0.711	0.785	-10.4	107	-0.04
2		TBA	0.139	0.148	-6.5	98	-0.03
3		Acrylonitrile	0.409	0.427	-4.4	97	-0.03
4		Methyl-t-Butyl Ether	1.824	2.166	-18.7	113	-0.03
5		trans-1,2-Dichloroethene	0.656	0.690	-5.2	108	-0.04
5	p	1,1-Diclethane	1.429	1.630	-14.1	110	-0.04
7		Vinyl Acetate	1.334	1.095	17.9	72	-0.03
3		2-Chloro-1,3-butadiene	0.944	1.333	-41.2#	123	-0.04
9		2,2-Dichloropropane	0.970	1.003	-3.4	104	-0.04
)		2-Butanone	0.765	0.795	-3.9	93	-0.03
l		cis-1,2-Dichloroethene	0.736	0.826	-12.2	112	-0.04
2		Propionitrile	0.172	0.175	-1.7	96	-0.04
3		Methacrylonitrile	0.376	0.451	-19.9	110	-0.03
4		Bromochloromethane	0.427	0.476	-11.5	115	-0.04
5	c	Chloroform	1.262	1.415	-12.1	108	-0.04
6		Tetrahydrofuran	0.482	0.516	-7.1	105	-0.04
7		1,1,1-Trichloroethane	0.885	1.003	-13.3	112	-0.04
8		Cyclohexane	1.743	1.887	-8.3	96	-0.04
1	I	1,4 - Difluorobenzene	1.000	1.000	0.0	94	-0.05
1	s	surr4,Dibrflmethane	0.400	0.375	6.3	92	-0.04
		Carbontetrachloride	0.459	0.533	-16.1	115	-0.05
		1,1-Dichloropropene	0.603	0.690	-14.4	112	-0.04
		Iso-Butyl Alcohol	0.047	0.051	-8.5	97	-0.03
	s	surr1,1,2-Diclethane	0.405	0.381	5.9	92	-0.05
		Benzene	1.602	1.788	-11.6	112	-0.04
		1,2-Dichloroethane	0.583	0.703	-20.6#	119	-0.04
		N-Heptane	1.021	1.222	-19.7	123	-0.04
		Trichloroethene	0.407	0.489	-20.1#	115	-0.04
		Methylcyclohexane	0.860	0.913	-6.2	96	-0.05

#) = Out of Range

0056

Evaluate Continuing Calibration Report

Data File : J:\ACQUDATA\MSVOA7\DATA\121207\Q8774.D Vial: 20
Acq On : 13 Dec 2007 2:31 am Operator: K.Ruest
Sample : CCV Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : J:\ACQUDATA\MSVOA7\METHODS\SOL1003.M (RTE Integrator)
Title : 8260voa
Last Update : Wed Dec 12 11:30:24 2007
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
50	c	1,2-Diclpropane	0.572	0.646	-12.9	112	-0.04
51		Methyl Methacrylate	0.134	0.147	-9.7	107	-0.04
52		1,4-Dioxane	0.007	0.007	0.0	100	-0.05
53		Dibromomethane	0.323	0.371	-14.9	113	-0.04
54		Bromodichloromethane	0.585	0.673	-15.0	109	-0.05
55		2-Nitropropane	0.208	0.203	2.4	96	-0.05
56		2-Chloroethylvinyl Ether	0.420	0.440	-4.8	103	-0.05
57		cis-1,3-Dichloropropene	0.781	0.893	-14.3	109	-0.05
58	I	d5 - Chlorobenzene	1.000	1.000	0.0	106	-0.04
59		4-Methyl-2-Pentanone	1.039	1.008	3.0	103	-0.05
60	c	Toluene	1.716	1.748	-1.9	115	-0.04
61		trans-1,3-Dichloropropene	0.748	0.744	0.5	111	-0.05
62		Ethyl Methacrylate	0.808	0.804	0.5	109	-0.04
63		1,1,2-Trichloroethane	0.404	0.404	0.0	113	-0.05
64	s	surr3,Toluene-d8	1.323	1.099	16.9	94	-0.04
65	s	surr2,bfb	0.570	0.523	8.2	108	-0.05
66		Tetrachloroethene	0.473	0.449	5.1	111	-0.05
67		2-Hexanone	0.821	0.737	10.2	94	-0.05
68		1,3-Dichloropropane	0.822	0.845	-2.8	111	-0.05
69		Butyl Acetate	0.000	0.000	0.0	96	-0.05
70		Dibromochloromethane	0.549	0.560	-2.0	112	-0.05
71		1,2-Dibromoethane	0.518	0.511	1.4	108	-0.04
72	p	Chlorobenzene	1.230	1.172	4.7	108	-0.04
73		1,1,1,2-Tetrachloroethane	0.441	0.436	1.1	108	-0.04
74	c	Ethylbenzene	2.015	1.935	4.0	110	-0.05
75		(m+p)Xylene	0.738	0.712	3.5	113	-0.05
76		o-Xylene	0.759	0.739	2.6	115	-0.05
77		Styrene	1.279	1.266	1.0	113	-0.05
78	p	Bromoform	0.421	0.423	-0.5	112	-0.05
79		Isopropylbenzene	1.926	1.908	0.9	112	-0.05
80		Cyclohexanone	0.109	0.093	6.5 ~~14.7~~	115	-0.05
81	I	d4 - Dichlorobenzene	1.000	1.000	0.0	109	-0.05
82	p	1,1,2,2-Tetrachloroethane	1.591	1.360	14.5	96	-0.05
83		Trans-1,4-Dichloro-2-butene	0.342	0.388	-13.5	129	-0.05
84		1,2,3-Trichloropropane	0.391	0.374	4.3	111	-0.05
85		n-Propylbenzene	5.249	4.892	6.8	110	-0.05
86		Bromobenzene	1.104	1.082	2.0	114	-0.05
87		1,3,5-Trimethylbenzene	3.304	3.141	4.9	112	-0.05
88		2-Chlorotoluene	3.022	2.782	7.9	112	-0.04
89		4-Chlorotoluene	3.076	2.896	5.9	114	-0.05
90		tert-Butylbenzene	2.864	2.708	5.4	113	-0.04
91		1,2,4-Trimethylbenzene	3.311	3.080	7.0	110	-0.04
		sec-Butylbenzene	4.470	4.099	8.3	111	-0.05
		p-Isopropyltoluene	3.747	3.440	8.2	108	-0.05
		1,3-Dclbenz	2.022	1.818	10.1	106	-0.04
		1,4-Dclbenz	2.053	1.804	12.1	103	-0.05
		n-Butylbenzene	3.808	3.531	7.3	112	-0.05
		1,2-Dclbenz	1.908	1.799	5.7	111	-0.05

#) = Out of Range

Evaluate Continuing Calibration Report

Data File : J:\ACQUDATA\MSVOA7\DATA\121207\Q8774.D Vial: 20
Acq On : 13 Dec 2007 2:31 am Operator: K.Ruest
Sample : CCV Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : J:\ACQUDATA\MSVOA7\METHODS\SOL1003.M (RTE Integrator)
Title : 8260voa
Last Update : Wed Dec 12 11:30:24 2007
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
98	1,2-Dibromo-3-chloropropane	0.354	0.304	14.1	106	-0.05
99	Nitrobenzene	0.252	0.211	16.3	93	-0.05
00	1,2,4-Tcbenzene	1.254	1.109	11.6	105	-0.04
01	Hexachlorobu	0.725	0.702	3.2	118	-0.05
02	Naphthalen	3.381	3.260	3.6	114	-0.05
03	1,2,3-Tclbenzene	1.143	1.087	4.9	115	-0.04

Evaluate Continuing Calibration Report

Data File : J:\ACQUDATA\MSVOA7\DATA\121307\Q8795.D
Acq On : 13 Dec 2007 3:32 pm
Sample : CCV
Misc :
MS Integration Params: RTEINT.P

Vial: 27
Operator: K.Ruest
Inst : GC/MS Ins
Multiplr: 1.00

Method : J:\ACQUDATA\MSVOA7\METHODS\SOL1003.M (RTE Integrator)
Title : 8260voa
Last Update : Wed Dec 12 11:30:24 2007
Response via : Multiple Level Calibration

LR 12/13/07

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	97	-0.01
2		Dichlorodifluoromethane	0.598	0.734	-22.7#	130	0.00
3	p	Chloromethane	0.860	0.795	7.6	98	-0.01
4	c	Vinyl Chloride	0.620	0.587	5.3	96	0.00
5		Bromomethane	0.506	0.480	5.1	97	0.00
6		Chloroethane	0.532	0.524	1.5	107	0.00
7		Trichlorofluoromethane	0.794	0.883	-11.2	111	0.00
8		Diethyl Ether	0.602	0.612	-1.7	102	0.00
9		FREON 123A	0.964	1.016	-5.4	96	0.00
0		FREON 123	0.989	1.014	-2.5	93	0.00
1		Acrolein	0.142	0.112	21.1#	74	0.00
2		FREON 113	0.251	0.289	-15.1	117	0.00
3	c	1,1-Diclethene	0.477	0.480	-0.6	106	0.00
4		Acetone	0.364	0.407	-11.8	112	0.00
5		2-Propanol	0.111	0.100	9.9	83	0.00
6		Iodomethane	0.486	0.493	-1.4	93	0.00
7		Carbon Disulfide	2.321	2.435	-4.9	100	0.00
8		Acetonitrile	0.142	0.144	-1.4	105	-0.01
9		Allyl Chloride	1.551	1.630	-5.1	104	0.00
0		Methyl Acetate	1.406	1.420	-1.0	96	0.00
1		Methylene Chloride	0.711	0.746	-4.9	109	0.00
2		TBA	0.139	0.124	10.8	88	0.00
3		Acrylonitrile	0.409	0.392	4.2	95	0.00
4		Methyl-t-Butyl Ether	1.824	2.007	-10.0	112	0.00
5		trans-1,2-Dichloroethene	0.656	0.649	1.1	109	0.00
6	p	1,1-Diclethane	1.429	1.547	-8.3	112	-0.01
7		Vinyl Acetate	1.334	1.059	20.6#	74	0.00
8		2-Chloro-1,3-butadiene	0.944	1.291	MT -36.8#	128	0.00
9		2,2-Dichloropropane	0.970	0.999	-3.0	111	0.00
0		2-Butanone	0.765	0.722	5.6	91	0.00
1		cis-1,2-Dichloroethene	0.736	0.725	1.5	105	0.00
2		Propionitrile	0.172	0.153	11.0	90	-0.01
3		Methacrylonitrile	0.376	0.382	-1.6	100	-0.01
4		Bromochloromethane	0.427	0.430	-0.7	111	0.00
5	c	Chloroform	1.262	1.257	0.4	103	0.00
6		Tetrahydrofuran	0.482	0.430	10.8	94	0.00
7		1,1,1-Trichloroethane	0.885	0.958	-8.2	115	-0.01
8		Cyclohexane	1.743	1.837	-5.4	100	0.00
9	I	1,4 - Difluorobenzene	1.000	1.000	0.0	99	-0.01
0	s	surr4,Dibrflmethane	0.400	0.377	5.8	98	0.00
1		Carbontetrachloride	0.459	0.484	-5.4	111	-0.01
2		1,1-Dichloropropene	0.603	0.621	-3.0	107	-0.01
3		Iso-Butyl Alcohol	0.047	0.044	6.4	89	0.00
4	s	surr1,1,2-Diclethane	0.405	0.392	3.2	100	0.00
5		Benzene	1.602	1.668	-4.1	111	0.00
6		1,2-Dichloroethane	0.583	0.625	-7.2	111	0.00
7		N-Heptane	1.021	1.136	-11.3	120	0.00
8		Trichloroethene	0.407	0.428	-5.2	107	0.00
9		Methylcyclohexane	0.860	0.891	-3.6	99	-0.01

(#) = Out of Range
Q8795.D SOL1003.M Thu Dec 13 16:05:21 2007

00675

Evaluate Continuing Calibration Report

Data File : J:\ACQUDATA\MSVOA7\DATA\121307\Q8795.D Vial: 27
Acq On : 13 Dec 2007 3:32 pm Operator: K.Ruest
Sample : CCV Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : J:\ACQUDATA\MSVOA7\METHODS\SOL1003.M (RTE Integrator)
Title : 8260voa
Last Update : Wed Dec 12 11:30:24 2007
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
0	c	1,2-Diclpropane	0.572	0.591	-3.3	108	0.00
1		Methyl Methacrylate	0.134	0.126	6.0	97	0.00
2		1,4-Dioxane	0.007	0.006	14.3	93	-0.01
3		Dibromomethane	0.323	0.329	-1.9	106	0.00
4		Bromodichloromethane	0.585	0.616	-5.3	105	-0.01
5		2-Nitropropane	0.208	0.189	9.1	94	-0.01
6		2-Chloroethylvinyl Ether	0.420	0.388	7.6	96	-0.01
7		cis-1,3-Dichloropropene	0.781	0.834	-6.8	107	-0.01
8	I	d5 - Chlorobenzene	1.000	1.000	0.0	100	-0.01
9		4-Methyl-2-Pentanone	1.039	0.994	4.3	95	-0.01
0	c	Toluene	1.716	1.817	-5.9	112	-0.01
1		trans-1,3-Dichloropropene	0.748	0.767	-2.5	107	-0.01
2		Ethyl Methacrylate	0.808	0.807	0.1	102	0.00
3		1,1,2-Trichloroethane	0.404	0.401	0.7	105	-0.01
4	s	surr3,Toluene-d8	1.323	1.253	5.3	100	-0.01
5	s	surr2,bfb	0.570	0.510	10.5	98	-0.01
6		Tetrachloroethene	0.473	0.465	1.7	107	-0.01
7		2-Hexanone	0.821	0.736	10.4	88	-0.01
8		1,3-Dichloropropane	0.822	0.844	-2.7	104	-0.01
9		Butyl Acetate	0.000	0.000	0.0	90	-0.01
0		Dibromochloromethane	0.549	0.558	-1.6	104	-0.01
1		1,2-Dibromoethane	0.518	0.526	-1.5	104	0.00
2	p	Chlorobenzene	1.230	1.229	0.1	106	0.00
3		1,1,1,2-Tetrachloroethane	0.441	0.462	-4.8	107	0.00
4	c	Ethylbenzene	2.015	2.069	-2.7	110	-0.01
5		(m+p)Xylene	0.738	0.790	-7.0	117	0.00
6		o-Xylene	0.759	0.773	-1.8	113	-0.01
7		Styrene	1.279	1.350	-5.6	113	-0.01
8	p	Bromoform	0.421	0.410	2.6	102	-0.01
9		Isopropylbenzene	1.926	1.996	-3.6	109	-0.01
0		Cyclohexanone	0.109	0.122	-21.3 -11.9	141	0.00 (LD)
1	I	d4 - Dichlorobenzene	1.000	1.000	0.0	94	0.00
2	p	1,1,2,2-Tetrachloroethane	1.591	1.543	3.0	94	-0.01
3		Trans-1,4-Dichloro-2-butene	0.342	0.454	NT -32.7#	130	-0.01
4		1,2,3-Trichloropropane	0.391	0.404	-3.3	103	-0.01
5		n-Propylbenzene	5.249	5.699	-8.6	111	-0.01
6		Bromobenzene	1.104	1.202	-8.9	109	-0.01
7		1,3,5-Trimethylbenzene	3.304	3.450	-4.4	106	-0.01
8		2-Chlorotoluene	3.022	3.241	-7.2	113	0.00
9		4-Chlorotoluene	3.076	3.363	-9.3	114	-0.01
0		tert-Butylbenzene	2.864	2.967	-3.6	107	0.00
1		1,2,4-Trimethylbenzene	3.311	3.471	-4.8	107	0.00
2		sec-Butylbenzene	4.470	4.589	-2.7	107	-0.01
3		p-Isopropyltoluene	3.747	3.957	-5.6	107	0.00
4		1,3-Dclbenz	2.022	2.070	-2.4	104	0.00
5		1,4-Dclbenz	2.053	2.082	-1.4	103	-0.01
6		n-Butylbenzene	3.808	4.029	-5.8	110	-0.01
7		1,2-Dclbenz	1.908	1.960	-2.7	105	-0.01

(#) = Out of Range

00676

Data File : J:\ACQUDATA\MSVOA7\DATA\121307\Q8795.D Vial: 27
Acq On : 13 Dec 2007 3:32 pm Operator: K.Ruest
Sample : CCV Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : J:\ACQUDATA\MSVOA7\METHODS\SOL1003.M (RTE Integrator)
Title : 8260voa
Last Update : Wed Dec 12 11:30:24 2007
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
8	1,2-Dibromo-3-chloropropane	0.354	0.314	11.3	94	-0.01
9	Nitrobenzene	0.252	0.210	16.7	80	0.00
0	1,2,4-Tcbenzene	1.254	1.292	-3.0	105	0.00
1	Hexachlorobu	0.725	0.752	-3.7	109	0.00
2	Naphthalen	3.381	3.305	2.2	100	0.00
3	1,2,3-Tclbenzene	1.143	1.152	-0.8	105	0.00

#) = Out of Range SPCC's out = 0 CCC's out = 0
8795.D SOL1003.M Thu Dec 13 16:05:22 2007 Page 3

00677

Evaluate Continuing Calibration Report

Data File : J:\ACQUDATA\MSVOA7\DATA\010808\Q9142.D Vial: 1
Acq On : 8 Jan 2008 12:54 pm Operator: K.Ruest
Sample : CCV Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : J:\ACQUDATA\MSVOA7\METHODS\WAT1002.M (RTE Integrator)
Title : 8260B.WATERS
Last Update : Tue Oct 02 17:32:42 2007
Response via : Multiple Level Calibration

KR 1/8/08

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	77	0.02
2		Dichlorodifluoromethane	0.514	0.688	-33.9#	98	0.02
3	p	Chloromethane	0.806	0.771	4.3	76	0.00
4	c	Vinyl Chloride	0.564	0.601	-6.6	79	0.02
5		Bromomethane	0.444	0.446	-0.5	78	0.02
6		Chloroethane	0.450	0.500	-11.1	85	0.03
7		FREON 21	1.533	1.716	-11.9	84	0.03
8		Trichlorofluoromethane	0.689	0.855	-24.1#	95	0.02
9		Diethyl Ether	0.566	0.640	-13.1	86	0.03
.0		FREON 123A	0.810	0.913	-12.7	83	0.03
.1		FREON 123	0.839	0.887	-5.7	80	0.03
.2		Acrolein	0.152	0.170	-11.8	85	0.03
.3		FREON 113	0.463	0.564	-21.8#	94	0.03
4	c	1,1-Diclethene	0.466	0.474	-1.7	87	0.03
5		Acetone	0.363	0.404	-11.3	92	0.03
6		2-Propanol	0.073	0.089	-21.9#	87	0.03
7		Iodomethane	0.969	1.002	-3.4	76	0.03
8		Carbon Disulfide	1.967	2.096	-6.6	78	0.02
9		Acetonitrile	0.149	0.173	-16.1	88	0.03
0		Allyl Chloride	1.313	1.567	-19.3	93	0.02
1		Methyl Acetate	1.333	1.509	-13.2	85	0.03
2		Methylene Chloride	0.685	0.669	2.3	82	0.03
3		TBA	0.098	0.120	-22.4#	88	0.03
4		Acrylonitrile	0.396	0.456	-15.2	83	0.03
5		Methyl-t-Butyl Ether	1.788	2.002	-12.0	85	0.03
6		trans-1,2-Dichloroethene	0.567	0.607	-7.1	83	0.03
7	p	1,1-Diclethane	1.331	1.449	-8.9	85	0.03
8		Vinyl Acetate	1.441	1.343	6.8	72	0.03
9		2-Chloro-1,3-butadiene	0.829	1.201	-44.9#	106	0.02
0		Allyl Alcohol	0.000	0.000	0.0	0#	0.03
1		2,2-Dichloropropane	0.813	0.932	-14.6	91	0.03
2		2-Butanone	0.738	0.782	-6.0	85	0.03
3		cis-1,2-Dichloroethene	0.673	0.677	-0.6	85	0.02
4		Propionitrile	0.163	0.182	-11.7	82	0.03
5		Methacrylonitrile	0.380	0.436	-14.7	82	0.02
6		Bromochloromethane	0.403	0.396	1.7	81	0.03
7	c	Chloroform	1.165	1.210	-3.9	83	0.03
8		Tetrahydrofuran	0.446	0.478	-7.2	86	0.02
9		1,1,1-Trichloroethane	0.763	0.907	-18.9	90	0.02
	I	1,4 - Difluorobenzene	1.000	1.000	0.0	83	0.02
		Cyclohexane	0.838	0.747	-10.9	83	0.03
	s	surr4,Dibrflmethane	0.362	0.372	-2.8	77	0.02
		Carbontetrachloride	0.397	0.448	-12.8	93	0.02
		1,1-Dichloropropene	0.532	0.552	-3.8	85	0.02
		Iso-Butyl Alcohol	0.041	0.046	-12.2	94	0.02
	s	surr1,1,2-Diclethane	0.381	0.438	-15.0	89	0.02
		Benzene	1.467	1.457	0.7	84	0.03
		1,2-Dichloroethane	0.559	0.622	-11.3	89	0.03
		N-Heptane	0.460	0.552	-20.0#	107	0.03

-7.1

#) = Out of Range

00682

Evaluate Continuing Calibration Report

Data File : J:\ACQUDATA\MSVOA7\DATA\010808\Q9142.D Vial: 1
Acq On : 8 Jan 2008 12:54 pm Operator: K.Ruest
Sample : CCV Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : J:\ACQUDATA\MSVOA7\METHODS\WAT1002.M (RTE Integrator)
Title : 8260B.WATERS
Last Update : Tue Oct 02 17:32:42 2007
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
50		Trichloroethene	0.375	0.384	-2.4	85	0.02
51		Methylcyclohexane	0.484	0.527	-8.9	90	0.02
52	c	1,2-Diclpropane	0.529	0.538	-1.7	83	0.02
53		Methyl Methacrylate	0.140	0.142	-1.4	77	0.02
54		1,4-Dioxane	0.006	0.007	-16.7	93	0.00
55		Dibromomethane	0.326	0.322	1.2	82	0.03
56		Bromodichloromethane	0.567	0.597	-5.3	84	0.02
57		2-Nitropropane	0.212	0.264	24.5#	97	0.02
58		2-Chloroethylvinyl Ether	0.417	0.427	-2.4	84	0.03
59		cis-1,3-Dichloropropene	0.749	0.789	-5.3	87	0.02
60	I	d5 - Chlorobenzene	1.000	1.000	0.0	84	0.02
61		4-Methyl-2-Pentanone	0.973	0.973	0.0	81	0.02
62	c	Toluene	1.473	1.504	-2.1	86	0.03
63		trans-1,3-Dichloropropene	0.697	0.756	-8.5	87	0.02
64		Ethyl Methacrylate	0.793	0.836	-5.4	83	0.02
65		1,1,2-Trichloroethane	0.389	0.394	-1.3	82	0.02
66	s	surr3,Toluene-d8	1.125	1.167	-3.7	80	0.02
67	s	surr2,bfb	0.481	0.520	-8.1	81	0.02
68		Tetrachloroethene	0.352	0.373	-6.0	89	0.02
69		2-Hexanone	0.712	0.749	-5.2	84	0.02
70		1,3-Dichloropropane	0.837	0.823	1.7	83	0.02
71		Butyl Acetate	0.000	0.000	0.0	84	0.02
72		Dibromochloromethane	0.529	0.543	-2.6	85	0.02
73		1,2-Dibromoethane	0.526	0.540	-2.7	86	0.03
74	p	Chlorobenzene	1.004	1.044	-4.0	86	0.03
75		1,1,1,2-Tetrachloroethane	0.391	0.409	-4.6	88	0.02
76	c	Ethylbenzene	1.605	1.718	-7.0	91	0.02
77		(m+p)Xylene	0.561	0.636	-13.4	92	0.02
78		o-Xylene	0.585	0.615	-5.1	85	0.03
79		Styrene	1.029	1.157	-12.4	89	0.02
80	p	Bromoform	0.383	0.443	-15.7	90	0.03
81		Isopropylbenzene	1.285	1.481	-15.3	94	0.02
82		Cyclohexanone	0.131	0.096	26.7#	58	0.00
83	I	d4 - Dichlorobenzene	1.000	1.000	0.0	84	0.02
84	p	1,1,2,2-Tetrachloroethane	1.607	1.549	3.6	85	0.02
85		Trans-1,4-Dichloro-2-butene	0.345	0.513	~~48.7#~~	138	0.02
86		1,2,3-Trichloropropane	0.410	0.419	-2.2	90	0.02
87		n-Propylbenzene	3.469	3.826	-10.3	98	0.02
88		Bromobenzene	0.994	0.980	1.4	87	0.02
89		1,3,5-Trimethylbenzene	2.167	2.449	-13.0	96	0.02
90		2-Chlorotoluene	2.319	2.527	-9.0	95	0.03
91		4-Chlorotoluene	2.288	2.515	-9.9	93	0.02
92		tert-Butylbenzene	1.779	1.952	-9.7	99	0.02
93		1,2,4-Trimethylbenzene	2.288	2.511	-9.7	96	0.03
94		sec-Butylbenzene	2.487	2.810	-13.0	98	0.02
95		p-Isopropyltoluene	2.099	2.365	-12.7	98	0.03
96		1,3-Dclbenz	1.480	1.570	-6.1	90	0.03
97		1,4-Dclbenz	1.552	1.604	-3.4	89	0.02

-50: KR NT

#) = Out of Range

00683

Evaluate Continuing Calibration Report

Data File : J:\ACQUDATA\MSVOA7\DATA\010808\Q9142.D Vial: 1
Acq On : 8 Jan 2008 12:54 pm Operator: K.Ruest
Sample : CCV Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : J:\ACQUDATA\MSVOA7\METHODS\WAT1002.M (RTE Integrator)
Title : 8260B.WATERS
Last Update : Tue Oct 02 17:32:42 2007
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
8	n-Butylbenzene	1.972	2.236	-13.4	99	0.02
9	1,2-Dclbenz	1.508	1.588	-5.3	90	0.02
0	1,2-Dibromo-3-chloropropane	0.319	0.341	-6.9	91	0.03
1	Nitrobenzene	0.000	0.000	0.0	107	0.03
2	1,2,4-Tcbenzene	0.751	0.815	-8.5	98	0.02
3	Hexachlorobu	0.286	0.356	-24.5#	113	0.03
4	Naphthalen	2.404	2.884	-20.0	100	0.03
5	1,2,3-Tclbenzene	0.660	0.763	-15.6	101	0.03

) = Out of Range SPCC's out = 0 CCC's out = 0

00684

Evaluate Continuing Calibration Report

Data File : J:\ACQUDATA\MSVOA3\DATA\121307\V1254.D
Acq On : 13 Dec 107 1:08 pm
Sample : CCV
Misc :

Vial: 1
Operator: D.Zimpfer
Inst : MS #3
Multiplr: 1.00

Method : J:\ACQUDATA\MSVOA3\METHODS\WAT1130.M
Title : 8260voa
Last Update : Tue Dec 11 12:00:03 2007
Response via : Multiple Level Calibration

DL 12-13

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1		Pentafluorobenzene	1.000	1.000	0.0	118	0.00
2		Dichlorodifluoromethane	0.584	0.610	-4.5	130	0.00
3	p	Chloromethane	0.973	0.913	6.2	122	0.00
4	c	Vinyl Chloride	0.829	0.811	2.2	132	0.00
5		Bromomethane	0.432	0.389	10.1	121	0.00
6		Chloroethane	0.525	0.496	5.5	132	0.00
7		FREON 21	1.493	1.414	5.3	120	0.00
8		Trichlorofluoromethane	0.783	0.729	6.9	133	0.00
9		Diethyl Ether	0.715	0.636	11.1	115	0.00
10		FREON 123A	0.909	0.803	11.6	122	0.00
11		Acrolein	0.155	0.098	36.7#	70	0.00 Add TCLP
12		FREON 113	0.244	0.217	11.1	146	0.00
13		FREON 123	0.942	0.862	8.6	126	0.00
14	c	1,1-Diclethene	0.474	0.453	4.5	135	0.00
15		Acetone	0.351	0.259	26.0#	101	-0.01 Add
16		Iodomethane	0.137	0.163	-19.0	121	0.00
17		Carbon Disulfide	2.352	1.963	16.6	99	0.00
18		2-PROPANOL	0.076	0.070	7.9	102	0.00
19		Allyl Chloride	0.368	0.354	4.0	131	0.00
20		Methyl Acetate	1.176	1.065	9.4	110	0.00
21		Methylene Chloride	0.703	0.637	9.4	125	0.00
22		TBA	0.110	0.089	18.8	96	-0.01
23		Acrylonitrile	0.362	0.325	10.1	103	0.00
24		Methyl-t-Butyl Ether	2.084	1.822	12.6	108	0.00
25		trans-1,2-Dichloroethene	0.604	0.592	2.0	134	0.00
26	p	1,1-Diclethane	1.317	1.184	10.1	126	0.00
27		Vinyl Acetate	1.497	1.154	22.9	102	0.00
28		2-Chloro-1,3-butadiene	1.199	0.983	18.0	96	0.00
29		2,2-Dichloropropane	1.067	0.866	18.8	140	0.05
30		2-Butanone	0.613	0.486	20.6	100	0.00
31		cis-1,2-Dichloroethene	0.671	0.627	6.6	126	0.00
32		Propionitrile	0.132	0.114	13.4	106	0.00
33		Methacrylonitrile	0.351	0.299	14.8	105	0.00
34		Bromochloromethane	0.311	0.304	2.4	130	0.00
35	c	Chloroform	1.112	1.013	8.9	128	0.00
36		Tetrahydrofuran	0.374	0.286	23.5	93	0.00
37		1,1,1-Trichloroethane	0.794	0.729	8.1	135	0.01
38	I	1,4 - Difluorobenzene	1.000	1.000	0.0	113	0.00
39	s	surr4,Dibrflmethane	0.331	0.333	-0.5	116	0.00
40		cyclohexane	0.857	0.736	14.1	126	0.00
41		Carbontetrachloride	0.365	0.361	1.0	142	0.00

(#) = Out of Range

00666

Evaluate Continuing Calibration Report

Data File : J:\ACQUDATA\MSVOA3\DATA\121307\V1254.D
Acq On : 13 Dec 107 1:08 pm
Sample : CCV
Misc :

Vial: 1
Operator: D.Zimpfer
Inst : MS #3
Multiplr: 1.00

Method : J:\ACQUDATA\MSVOA3\METHODS\WAT1130.M
Title : 8260voa
Last Update : Tue Dec 11 12:00:03 2007
Response via : Multiple Level Calibration

12-13

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
12		1,1-Dichloropropene	0.522	0.503	3.6	138	0.00
13		Iso-Butyl Alcohol	0.034	0.030	12.3	101	0.00
14		Benzene	1.494	1.442	3.5	130	0.00
15	S	surr1,1,2-Diclethane	0.413	0.379	8.2	107	0.00
16		1,2-Dichloroethane	0.503	0.464	7.7	111	0.01
17		N-Heptane	0.563	0.560	0.6	181	0.00
18		Trichloroethene	0.340	0.330	3.0	134	0.00
19		methylcycloh	0.557	0.459	17.5	128	0.00
50	c	1,2-Diclpropane	0.447	0.423	5.4	126	0.00
51		Methyl Methacrylate	0.354	0.318	10.3	108	0.00
52		1,4-Dioxane	0.004	0.004	7.7	105	0.00
53		Dibromomethane	0.238	0.234	1.7	123	0.00
54		Bromodichloromethane	0.475	0.438	7.7	120	0.01
55		2-Nitropropane	0.169	0.145	14.1	103	0.00
56		2-Chloroethylvinyl Ether	0.203	0.225	-10.8	103	0.00
57		cis-1,3-Dichloropropene	0.643	0.642	0.1	124	0.00
58	I	d5 - Chlorobenzene	1.000	1.000	0.0	110	0.02
59		4-Methyl-2-Pentanone	0.849	0.724	14.7	100	0.00
60	c	Toluene	1.598	1.603	-0.4	138	0.00
61		trans-1,3-Dichloropropene	0.683	0.679	0.6	120	0.01
62		Ethyl Methacrylate	0.769	0.708	7.9	113	0.01
63		1,1,2-Trichloroethane	0.341	0.325	4.6	120	0.01
64	s	surr3,Toluene-d8	1.406	1.391	1.0	109	0.00
65	s	surr2,bfb	0.500	0.476	4.8	105	0.01
66		Tetrachloroethene	0.311	0.341	-9.7	157	0.00
67		2-Hexanone	0.584	0.511	12.5	102	0.00
68		1,3-Diclpropane	0.786	0.723	8.0	117	0.01
69		Dibromochloromethane	0.377	0.388	-3.1	124	0.00
70		1,2-Dibromoethane	0.396	0.375	5.3	116	0.01
71	p	Chlorobenzene	0.969	0.965	0.4	133	0.00
72		1,1,1,2-Tetrachloroethane	0.325	0.320	1.6	130	0.00
73	c	Ethylbenzene	1.700	1.623	4.5	135	0.01
74		(m+p)Xylene	0.596	0.604	-1.2	143	0.01
75		o-Xylene	0.592	0.579	2.1	138	0.01
76		Styrene	1.026	1.024	0.2	127	0.02
77	p	Bromoform	0.233	0.234	-0.2	119	0.02
78		Isopropylbenzene	1.359	1.352	0.5	150	0.01
79		Cyclohexanone	0.111	0.091	17.7	90	0.01
80	I	d4 - Dichlorobenzene	1.000	1.000	0.0	115	0.02
81	p	1,1,2,2-Tetrachloroethane	1.342	1.205	10.2	115	0.00

(#) = Out of Range

00667

Evaluate Continuing Calibration Report

Data File : J:\ACQUDATA\MSVOA3\DATA\121307\V1254.D
Acq On : 13 Dec 107 1:08 pm
Sample : CCV
Misc :

Vial: 1
Operator: D.Zimpfer
Inst : MS #3
Multiplr: 1.00

Method : J:\ACQUDATA\MSVOA3\METHODS\WAT1130.M
Title : 8260voa
Last Update : Tue Dec 11 12:00:03 2007
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
82	Trans-1,4-Dichloro-2-butene	0.419	0.350	16.3	103	0.02
83	1,2,3-Trichloropropane	0.347	0.323	6.7	122	0.01
84	n-Propylbenzene	4.070	3.982	2.2	152	0.02
85	Bromobenzene	0.841	0.872	-3.8	139	0.00
86	1,3,5-Trimethylbenzene	2.576	2.522	2.1	150	0.01
87	2-Chlorotoluene	2.590	2.405	7.1	139	0.02
88	4-Chlorotoluene	2.971	2.794	6.0	135	0.01
89	tert-Butylbenzene	1.979	1.971	0.4	157	0.02
90	1,2,4-Trimethylbenzene	2.532	2.493	1.5	143	0.01
91	sec-Butylbenzene	2.752	2.818	-2.4	165	0.02
92	p-Isopropyltoluene	2.349	2.405	-2.4	159	0.02
93	1,3-Dclbenz	1.425	1.458	-2.3	145	0.02
94	1,4-Dclbenz	1.414	1.459	-3.2	145	0.02
95	n-Butylbenzene	2.153	2.233	-3.7	166	0.02
96	1,2-Dclbenz	1.425	1.458	-2.3	145	0.02
97	1,2-Dibromo-3-chloropropane	0.201	0.196	2.6	111	0.02
98	Nitrobenzene	0.000	0.086	0.0	0#	0.01
99	1,2,4-Tcbenzene	0.635	0.746	-17.5	151	0.01
00	Hexachlorobt	0.211	0.317	-50.6#	183	0.02
01	Naphthalen	1.940	2.202	-13.5	120	0.02
02	1,2,3-Tclbenzene	0.601	0.674	-12.0	144	0.02

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data File : J:\ACQUDATA\MSVOA3\DATA\011508\V1701.D Vial: 1
Acq On : 15 Jan 108 10:45 am Operator: D.Zimpfer
Sample : CCV Inst : MS #3
Misc : Multiplr: 1.00

Method : J:\ACQUDATA\MSVOA3\METHODS\WAT1130.M
Title : 8260voa
Last Update : Fri Dec 28 14:05:49 2007
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	
1		Pentafluorobenzene	1.000	1.000	0.0	118	0.00	
2		Dichlorodifluoromethane	0.584	0.313	46.4#	67	0.00	
3	p	Chloromethane	0.973	0.779	20.0	104	0.00	
4	c	Vinyl Chloride	0.829	0.754	9.1	123	0.00	
5		Bromomethane	0.432	0.373	13.7	116	0.00	
6		Chloroethane	0.525	0.510	2.8	137	0.00	
7		FREON 21	1.493	1.526	-2.2	130	0.00	
8		Trichlorofluoromethane	0.783	0.697	10.9	127	0.00	
9		Diethyl Ether	0.715	0.621	13.3	113	0.00	
10		FREON 123A	0.909	0.847	6.8	129	0.00	
11		Acrolein	0.155	0.161	-3.7	116	0.00	
12		FREON 113	0.244	0.196	19.9	132	0.00	
13		FREON 123	0.942	0.890	5.5	131	0.00	
14	c	1,1-Diclethene	0.474	0.451	4.9	135	0.00	
15		Acetone	0.351	0.257	26.7#	100	0.00	
16		Iodomethane	0.137	0.168	-22.7	125	0.00	
17		Carbon Disulfide	2.352	2.280	3.1	116	0.00	
18		2-PROPANOL	0.076	0.071	6.4	103	0.00	
19		Allyl Chloride	0.368	0.345	6.3	128	0.00	
20		Methyl Acetate	1.176	0.994	15.5	103	0.00	
21		Methylene Chloride	0.703	0.690	1.8	135	0.00	
22		TBA	0.110	0.094	14.2	102	0.00	
23		Acrylonitrile	0.362	0.320	11.5	102	0.00	
24		Methyl-t-Butyl Ether	2.084	1.932	7.3	115	0.00	
25		trans-1,2-Dichloroethene	0.604	0.589	2.6	134	0.00	
26	p	1,1-Diclethane	1.317	1.253	4.9	134	0.00	
27		Vinyl Acetate	1.497	1.493	0.3	132	0.00	
28		2-Chloro-1,3-butadiene	1.199	1.095	8.6	108	0.00	
29		2,2-Dichloropropane	1.067	0.864	19.0	140	0.05	
30		2-Butanone	0.613	0.487	20.5	101	0.00	
31		cis-1,2-Dichloroethene	0.671	0.657	2.2	132	0.00	
32		Propionitrile	0.132	0.114	13.6	106	0.01	
33		Methacrylonitrile	0.351	0.323	7.9	113	0.00	
34		Bromochloromethane	0.311	0.322	-3.3	138	0.01	
35	c	Chloroform	1.112	1.069	3.9	135	0.02	
36		Tetrahydrofuran	0.374	0.307	17.9	100	0.00	
37		1,1,1-Trichloroethane	0.794	0.728	8.2	135	0.01	
38	I	1,4 - Difluorobenzene	1.000	1.000	0.0	113	0.00	
39	s	surr4,Dibrflmethane	0.331	0.330	0.4	116	0.00	
40		cyclohexane	0.857	0.759	11.4	131	0.00	
41		Carbontetrachloride	0.365	0.353	3.4	140	0.01	

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : J:\ACQUDATA\MSVOA3\DATA\011508\V1701.D Vial: 1
Acq On : 15 Jan 108 10:45 am Operator: D.Zimpfer
Sample : CCV Inst : MS #3
Misc : Multiplr: 1.00

Method : J:\ACQUDATA\MSVOA3\METHODS\WAT1130.M
Title : 8260voa
Last Update : Fri Dec 28 14:05:49 2007
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
42		1,1-Dichloropropene	0.522	0.524	-0.4	144	0.01
43		Iso-Butyl Alcohol	0.034	0.031	9.3	105	0.00
44		Benzene	1.494	1.532	-2.6	139	0.01
45	S	surr1,1,2-Diclethane	0.413	0.383	7.2	109	0.00
46		1,2-Dichloroethane	0.503	0.485	3.6	116	0.01
47		N-Heptane	0.563	0.441 7.66	~~21.6~~	~~144~~	0.00
48		Trichloroethene	0.340	0.335	1.6	136	0.01
49		methylcycloh	0.557	0.469 1.90	~~15.8~~	~~131~~	0.00
50	c	1,2-Diclpropane	0.447	0.448	-0.1	134	0.00
51		Methyl Methacrylate	0.354	0.344	2.9	118	0.01
52		1,4-Dioxane	0.004	0.004	4.0	110	0.01
53		Dibromomethane	0.238	0.244	-2.5	129	0.00
54		Bromodichloromethane	0.475	0.481	-1.2	132	0.02
55		2-Nitropropane	0.169	0.147	13.1	105	0.00
56		2-Chloroethylvinyl Ether	0.203	0.247 2.66	~~-21.7~~	~~114~~	0.01
57		cis-1,3-Dichloropropene	0.643	0.676	-5.2	131	0.02
58	I	d5 - Chlorobenzene	1.000	1.000	0.0	111	0.03
59		4-Methyl-2-Pentanone	0.849	0.750	11.6	105	0.01
60	c	Toluene	1.598	1.628	-1.9	141	0.01
61		trans-1,3-Dichloropropene	0.683	0.701	-2.6	124	0.01
62		Ethyl Methacrylate	0.769	0.744	3.3	119	0.01
63		1,1,2-Trichloroethane	0.341	0.359	-5.2	133	0.01
64	s	surr3,Toluene-d8	1.406	1.405	0.1	111	0.00
65	s	surr2,bfb	0.500	0.496	0.9	110	0.02
66		Tetrachloroethene	0.311	0.361	-16.2	167	0.01
67		2-Hexanone	0.584	0.517	11.5	104	0.01
68		1,3-Diclpropane	0.786	0.774	1.5	126	0.02
69		Dibromochloromethane	0.377	0.404	-7.3	130	0.01
70		1,2-Dibromoethane	0.396	0.388	2.0	121	0.02
71	p	Chlorobenzene	0.969	0.998	-3.0	138	0.01
72		1,1,1,2-Tetrachloroethane	0.325	0.340	-4.7	139	0.02
73	c	Ethylbenzene	1.700	1.709	-0.5	143	0.01
74		(m+p)Xylene	0.596	0.615	-3.1	147	0.02
75		o-Xylene	0.592	0.597	-0.9	143	0.02
76		Styrene	1.026	1.058	-3.1	132	0.02
77	p	Bromoform	0.233	0.257	-9.9	131	0.02
78		Isopropylbenzene	1.359	1.371	-0.9	153	0.01
79		Cyclohexanone	0.111	0.087	21.6	87	0.02
80	I	d4 - Dichlorobenzene	1.000	1.000	0.0	125	0.03
81	p	1,1,2,2-Tetrachloroethane	1.342	1.206	10.2	125	0.01

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : J:\ACQUDATA\MSVOA3\DATA\011508\V1701.D Vial: 1
Acq On : 15 Jan 108 10:45 am Operator: D.Zimpfer
Sample : CCV Inst : MS #3
Misc : Multiplr: 1.00

Method : J:\ACQUDATA\MSVOA3\METHODS\WAT1130.M
Title : 8260voa
Last Update : Fri Dec 28 14:05:49 2007
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
82	Trans-1,4-Dichloro-2-butene	0.419	0.340	18.8	109	0.03
83	1,2,3-Trichloropropane	0.347	0.302	12.9	124	0.03
84	n-Propylbenzene	4.070	3.779	7.1	157	0.03
85	Bromobenzene	0.841	0.888	-5.6	154	0.03
86	1,3,5-Trimethylbenzene	2.576	2.336	9.3	151	0.02
87	2-Chlorotoluene	2.590	2.340	9.6	148	0.02
88	4-Chlorotoluene	2.971	2.603	12.4	138	0.02
89	tert-Butylbenzene	1.979	1.885	4.7	164	0.03
90	1,2,4-Trimethylbenzene	2.532	2.333	7.9	146	0.02
91	sec-Butylbenzene	2.752	2.517	8.5	161	0.03
92	p-Isopropyltoluene	2.349	2.225	5.3	161	0.03
93	1,3-Dclbenz	1.425	1.504	-5.6	163	0.03
94	1,4-Dclbenz	1.414	1.526	-7.9	165	0.03
95	n-Butylbenzene	2.153	1.987	7.7	161	0.03
96	1,2-Dclbenz	1.400	1.459	-4.2	153	0.03
97	1,2-Dibromo-3-chloropropane	0.201	0.196	2.1	122	0.03
98	Nitrobenzene	0.000	0.085	0.0	0#	0.03
99	1,2,4-Tcbenzene	0.635	0.684	-7.7	152	0.02
00	Hexachlorobt	0.211	0.250	-18.6	158	0.03
01	Naphthalen	1.940	2.064	-6.4	123	0.03
02	1,2,3-Tclbenzene	0.601	0.637	-5.9	148	0.03

ST800

COLUMBIA ANALYTICAL SERVICES

QUALITY CONTROL SUMMARY MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY
SOIL/SEDIMENT

Spiked Order No. : 1060908 ENSR International

Client ID: SD15 (0-2)

Test: 8270C SEMIVOLATILES

Analytical Units: UG/KG

Run Number : 154822

Percent Solid : 59.6

ANALYTE	SPIKE ADDED	CONCENT. SAMPLE	MATRIX SPIKE FOUND	MATRIX SPIKE % REC.	MATRIX SPIKE DUP. FOUND	MATRIX SPIKE DUP. % REC.	RPD	QC LIMITS RPD	QC LIMITS REC.
ACENAPHTHENE	5590	6040	11200	92	7050	18	*45	*30	39 - 124
ACENAPHTHYLENE	5590	1850	7380	99	5030	57	*38	*30	31 - 124
ACETOPHENONE	5590	0	4360	78	2680	48	*48	*30	40 - 150
ANTHRACENE	5590	4360	9560	93	6380	36	*40	*30	39 - 122
ATRAZINE	5590	0	4530	81	3360	60	*30	*30	40 - 150
BENZALDEHYDE	5590	0	7890	141	5370	96	*38	*30	40 - 150
BENZO(A)ANTHRACENE	5590	5200	10200	89	6880	30	*39	*30	35 - 129
BENZO(A)PYRENE	5590	4360	9060	84	6040	30	*40	*30	36 - 130
BENZO(B)FLUORANTHENE	5590	2350	7210	87	5030	48	*36	*30	37 - 124
BENZO(G,H,I)PERYLENE	5590	2350	7550	93	5030	48	*40	*30	34 - 129
BENZO(K)FLUORANTHENE	5590	2350	7050	84	4700	42	*40	*30	36 - 124
1,1'-BIPHENYL	5590	319	5030	84	3360	54	*40	*30	40 - 150
BUTYL BENZYL PHTHALATE	5590	0	4700	84	3190	57	*38	*30	56 - 130
DI-N-BUTYLPHTHALATE	5590	0	5370	96	3860	69	*33	*30	62 - 130
CAPROLACTAM	5590	0	4190	75	2520	45	*50	*30	40 - 150
CARBAZOLE	5590	0	5540	99	3860	69	*36	*30	51 - 130
INDENO(1,2,3-CD)PYRENE	5590	1850	7210	96	4870	54	*39	*30	35 - 129
4-CHLOROANILINE	5590	0	2520	45	2180	39	*14	*30	10 - 130
BIS(-2-CHLOROETHOXY)METHAN	5590	0	4700	84	3020	54	*44	*30	48 - 130
BIS(2-CHLOROETHYL)ETHER	5590	0	4530	81	2850	51	*46	*30	43 - 130
2-CHLORONAPHTHALENE	5590	0	5200	93	3360	60	*43	*30	55 - 130
2-CHLOROPHENOL	5590	0	4700	84	3020	54	*44	*30	18 - 126
2,2'-OXYBIS(1-CHLOROPROPAN	5590	0	4360	78	2850	51	*42	*30	10 - 126
CHRYSENE	5590	5200	10100	88	6710	27	*40	*30	32 - 131
DIBENZO(A,H)ANTHRACENE	5590	654	6040	96	4030	60	*40	*30	23 - 140
DIBENZOFURAN	5590	285	5370	91	3520	58	*42	*30	42 - 130
3,3'-DICHLOROBENZIDINE	5590	0	4360	78	3190	57	*31	*30	10 - 121
2,4-DICHLOROPHENOL	5590	0	4700	84	3020	54	*44	*30	57 - 130
DIETHYLPHTHALATE	5590	0	5540	99	3690	66	*40	*30	62 - 130
DIMETHYL PHTHALATE	5590	0	5370	96	3690	66	*37	*30	61 - 130
2,4-DIMETHYLPHENOL	5590	0	5200	93	3360	60	*43	*30	45 - 130
2,4-DINITROPHENOL	5590	0	6540	117	5870	105	*11	*30	23 - 130

COLUMBIA ANALYTICAL SERVICES

QUALITY CONTROL SUMMARY MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY
SOIL/SEDIMENT

Spiked Order No. : 1060908 ENSR International

Client ID: SD15 (0-2)

Test: 8270C SEMIVOLATILES

Analytical Units: UG/KG

Run Number : 154822

Percent Solid : 59.6

ANALYTE	SPIKE ADDED	CONCENT. SAMPLE	MATRIX SPIKE FOUND	MATRIX SPIKE % REC.	MATRIX SPIKE DUP. FOUND	MATRIX SPIKE DUP. % REC.	RPD	QC LIMITS RPD	QC LIMITS REC.
2,4-DINITROTOLUENE	5590	0	5700	102	3690	66	43 *	30	46 - 124
2,6-DINITROTOLUENE	5590	0	5030	90	3360	60 *	40 *	30	62 - 130
BIS(2-ETHYLHEXYL) PHTHALATE	5590	0	4700	84	3360	60	33 *	30	60 - 130
FLUORANTHENE	5590	8720	14400	102	9730	18 *	39 *	30	33 - 125
FLUORENE	5590	2850	8220	96	5370	45	42 *	30	33 - 121
HEXACHLOROBENZENE	5590	0	5030	90	3360	60	40 *	30	56 - 116
HEXACHLOROBUTADIENE	5590	0	4870	87	3190	57	42 *	30	10 - 104
HEXACHLOROCYCLOPENTADIENE	5590	0	1490	27	1490	27	0	30	9 - 102
HEXACHLOROETHANE	5590	0	4530	81	2680	48	51 *	30	10 - 107
ISOPHORONE	5590	0	6040	108	3860	69	44 *	30	50 - 130
2-METHYLNAPHTHALENE	5590	1680	6540	87	4190	45	44 *	30	13 - 130
4,6-DINITRO-2-METHYLPHENOL	5590	0	3190	57	1850	33 *	53 *	30	38 - 119
4-CHLORO-3-METHYLPHENOL	5590	0	5030	90	3190	57	45 *	30	28 - 130
2-METHYLPHENOL	5590	0	4700	84	2850	51	49 *	30	26 - 105
4-METHYLPHENOL	11200	0	9730	87	6040	54	47 *	30	22 - 108
NAPHTHALENE	5590	3020	7380	78	4700	30	44 *	30	25 - 120
2-NITROANILINE	5590	0	6040	108	3860	69	44 *	30	51 - 111
3-NITROANILINE	5590	0	4360	78	3020	54	36 *	30	10 - 130
4-NITROANILINE	5590	0	5200	93	3360	60	43 *	30	31 - 105
NITROBENZENE	5590	0	5200	93	3360	60	43 *	30	32 - 130
2-NITROPHENOL	5590	0	4700	84	2850	51 *	49 *	30	55 - 130
4-NITROPHENOL	5590	0	4870	87	2850	51	52 *	30	12 - 128
N-NITROSODIPHENYLAMINE	5590	0	4700	84	3190	57	38 *	30	54 - 116
DI-N-OCTYL PHTHALATE	5590	0	4360	78	2850	51 *	42 *	30	59 - 130
PENTACHLOROPHENOL	5590	0	6710	120	5870	105	13	30	13 - 128
PHENANTHRENE	5590	12900	18500	100	11600	23 *	46 *	30	28 - 130
PHENOL	5590	0	4360	78	2850	51	42 *	30	26 - 122
4-BROMOPHENYL-PHENYLETHER	5590	0	4870	87	3360	60 *	37 *	30	61 - 113
4-CHLOROPHENYL-PHENYLETHER	5590	0	5030	90	3360	60	40 *	30	60 - 130
N-NITROSO-DI-N-PROPYLAMINE	5590	0	5030	90	3190	57	45 *	30	34 - 122
PYRENE	5590	10700	15100	79	9730	17 *	43 *	30	34 - 130
2,4,6-TRICHLOROPHENOL	5590	0	5030	90	3190	57	45 *	30	33 - 120

COLUMBIA ANALYTICAL SERVICES

QUALITY CONTROL SUMMARY MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY
SOIL/SEDIMENT

Spiked Order No. : 1060908 ENSR International

Client ID: SD15 (0-2)

Test: 8270C SEMIVOLATILES

Analytical Units: UG/KG

Run Number : 154822

Percent Solid : 59.6

ANALYTE	SPIKE ADDED	CONCENT. SAMPLE	MATRIX SPIKE FOUND	MATRIX SPIKE % REC.	MATRIX SPIKE DUP. FOUND	MATRIX SPIKE DUP. % REC.	RPD	QC LIMITS RPD	QC LIMITS REC.
2,4,5-TRICHLOROPHENOL	5590	0	5030	90	3020	54	50 *	30	34 - 121

Response Factor Report 5973-A

Method : J:\ACQUDATA\5973A\METHODS\82701113.M (RTE Integrator)
Title : 8270 BNA ANALYSIS
Last Update : Wed Nov 14 09:03:55 2007
Response via : Initial Calibration

Calibration Files
10 =BQ202.D 50 =BQ203.D 80 =BQ204.D
100 =BQ205.D 120 =BQ206.D 160 =BQ207.D

		Compound	10	50	80	100	120	160	Avg	%RSD	
1)	IR	d4-1,4-Dichlorobenzen	ISTD								
2)	T	Pyridine	0.993	1.035	1.007	1.000	0.968	0.945	0.991	3.18	
3)	T	N-Nitrosodimethylam	0.564	0.567	0.557	0.558	0.544	0.531	0.554	2.41	
4)	S	SURR1,2-FLUOROPHENO	1.110	1.168	1.134	1.108	1.074	1.061	1.109	3.52	
5)	T	Benzaldehyde		0.786	0.578	0.476	0.387	0.280	0.501	38.55	Au
6)	T	Aniline	1.964	1.967	1.840	1.783	1.703	1.691	1.825	6.68	
7)	S	SURR2,PHENOL-D6	1.582	1.651	1.545	1.514	1.450	1.417	1.526	5.63	
8)	TMC	Phenol	1.851	1.843	1.702	1.647	1.570	1.535	1.692	7.91	
9)	T	bis(2-Clethyl)Ether	1.282	1.321	1.255	1.236	1.196	1.177	1.245	4.31	
10)	TM	2-Chlorophenol	1.321	1.397	1.316	1.309	1.235	1.218	1.299	5.02	
11)	T	1,3-Diclbenzene	1.623	1.611	1.540	1.538	1.472	1.441	1.538	4.73	
12)	TMC	1,4-Dichlorobenzene	1.640	1.636	1.550	1.536	1.481	1.443	1.547	5.16	
13)	T	1,2-Diclbenzene	1.523	1.536	1.450	1.457	1.404	1.400	1.462	3.93	
14)	T	Benzyl Alcohol	1.012	1.168	1.110	1.093	1.053	1.064	1.083	4.94	
15)	T	2,2'-oxybis(1-Chlor	1.594	1.579	1.453	1.404	1.337	1.232	1.433	9.78	
16)	T	2-Methylphenol	1.221	1.285	1.212	1.207	1.165	1.148	1.206	3.99	
17)	T	Acetophenone	1.845	1.947	1.782	1.751	1.656	1.625	1.768	6.75	
18)	TMP	N-Nitroso-Di-n-prop	0.969	1.015	0.950	0.945	0.905	0.909	0.949	4.30	
19)	T	Hexachloroethane	0.597	0.639	0.627	0.626	0.614	0.616	0.620	2.30	
20)	T	4-Methylphenol	1.300	1.361	1.272	1.255	1.208	1.184	1.263	5.07	
21)	T	1-Methyl-2-pyrrolid	0.822	0.928	0.870	0.858	0.833	0.873	0.864	4.32	
22)	IR	d8-Naphthalene	ISTD								
23)	S	SURR4,NITROBENZENE-	0.376	0.395	0.390	0.383	0.374	0.372	0.382	2.45	
24)	T	Nitrobenzene	0.407	0.404	0.388	0.381	0.370	0.365	0.386	4.47	
25)	T	Isophorone	0.587	0.632	0.596	0.596	0.570	0.557	0.590	4.39	
26)	TC	2-Nitrophenol	0.164	0.203	0.206	0.208	0.204	0.208	0.199	8.70	
27)	T	Benzoic Acid		0.105	0.148	0.152	0.163	0.185	0.151	19.45	LK
28)	T	2,4-Dimethylphenol	0.358	0.359	0.341	0.339	0.325	0.329	0.342	4.15	
29)	T	bis(-2-Chloroethoxy	0.427	0.435	0.416	0.410	0.395	0.396	0.413	3.94	
30)	TC	2,4-Dichlorophenol	0.281	0.309	0.307	0.304	0.293	0.299	0.299	3.52	
31)	TM	1,2,4-Trichlorobenz	0.363	0.351	0.346	0.345	0.334	0.339	0.346	2.88	
32)	T	Naphthalene	1.118	1.067	0.996	0.965	0.930	0.867	0.990	9.22	
33)	T	4-Chloroaniline	0.416	0.432	0.417	0.409	0.398	0.397	0.412	3.21	
34)	TC	Hexachlorobutadiene	0.203	0.213	0.218	0.219	0.211	0.219	0.214	2.95	
35)	TMC	4-Chloro-3-methylph	0.290	0.318	0.304	0.298	0.295	0.300	0.301	3.22	
36)	T	Caprolactam	0.081	0.116	0.116	0.113	0.113	0.115	0.109	12.81	
37)	T	2-Methylnaphthalene	0.708	0.718	0.684	0.669	0.649	0.639	0.678	4.62	
38)	T	1-Methylnaphthalene	0.742	0.743	0.706	0.684	0.663	0.653	0.698	5.53	
39)	IR	d10-Acenaphthene	ISTD								
40)	TP	Hexachlorocyclopent	0.181	0.306	0.343	0.361	0.353	0.380	0.321	22.72	LR
41)	TC	2,4,6-Trichlorophen	0.310	0.382	0.386	0.391	0.384	0.397	0.375	8.59	

(#) = Out of Range

01042

Response Factor Report 5973-A

Method : J:\ACQUDATA\5973A\METHODS\82701113.M (RTE Integrator)
Title : 8270 BNA ANALYSIS
Last Update : Wed Nov 14 09:03:55 2007
Response via : Initial Calibration

Calibration Files
10 =BQ202.D 50 =BQ203.D 80 =BQ204.D
100 =BQ205.D 120 =BQ206.D 160 =BQ207.D

		Compound	10	50	80	100	120	160	Avg	%RSD	
42)	T	2,4,5-Trichlorophen	0.327	0.394	0.404	0.411	0.400	0.419	0.393	8.44	
43)	S	SURR5,2-FLUOROBIPHE	1.402	1.375	1.322	1.324	1.279	1.257	1.327	4.15	
44)	T	1,1'-Biphenyl	1.612	1.599	1.543	1.527	1.472	1.417	1.528	4.88	
45)	T	2-Chloronaphthalene	1.146	1.150	1.125	1.118	1.085	1.079	1.117	2.68	
46)	T	2-Nitroaniline		0.352	0.348	0.349	0.343	0.346	0.348	0.94	
47)	T	Acenaphthylene	1.732	1.789	1.717	1.680	1.628	1.579	1.687	4.47	
48)	T	Dimethyl phthalate	1.215	1.288	1.235	1.232	1.211	1.197	1.230	2.58	
49)	T	2,6-Dinitrotoluene	0.281	0.316	0.314	0.312	0.310	0.313	0.308	4.31	
50)	TMC	Acenaphthene	1.199	1.208	1.168	1.163	1.135	1.121	1.166	2.94	
51)	T	3-Nitroaniline		0.337	0.332	0.327	0.326	0.324	0.329	1.55	
52)	TP	2,4-Dinitrophenol		0.062	0.102	0.110	0.125	0.139	0.108	26.97	U
53)	T	Dibenzofuran	1.692	1.696	1.624	1.588	1.552	1.501	1.609	4.82	
54)	TM	2,4-Dinitrotoluene	0.337	0.401	0.393	0.389	0.390	0.389	0.383	6.09	
55)	TMP	4-Nitrophenol		0.223	0.228	0.224	0.231	0.232	0.228	1.73	
56)	T	Fluorene	1.372	1.397	1.341	1.319	1.302	1.285	1.336	3.22	
57)	T	4-Chlorophenyl-phen	0.690	0.691	0.674	0.682	0.677	0.695	0.685	1.24	
58)	T	Diethylphthalate	1.205	1.276	1.215	1.209	1.188	1.160	1.209	3.17	
59)	T	4-Nitroaniline		0.327	0.321	0.307	0.291	0.301	0.309	4.65	
60)	S	SURR3,2,4,6-TRIBROM	0.158	0.235	0.240	0.246	0.249	0.256	0.230	15.76	LL
						ISTD					
61)	IR	d10-Phenanthrene									
62)	T	1-Phenyl-1(4-methyl	0.471	0.485	0.490	0.499	0.486	0.505	0.489	2.39	
63)	T	4,6-Dinitro-2-methy		0.109	0.123	0.124	0.131	0.140	0.125	9.16	
64)	T	1,2 Diphenylhydrazi	0.770	0.773	0.765	0.767	0.737	0.726	0.756	2.63	
65)	TC	N-Nitrosodiphenylam	0.615	0.619	0.623	0.623	0.608	0.617	0.618	0.92	
66)	T	4-Bromophenyl-pheny	0.224	0.236	0.241	0.245	0.239	0.251	0.239	3.80	
67)	T	1-Phenyl-1(2,4-dime	0.570	0.588	0.595	0.608	0.591	0.606	0.593	2.34	
68)	T	Hexachlorobenzene	0.255	0.268	0.270	0.274	0.274	0.284	0.271	3.49	
69)	T	Atrazine	0.108	0.118	0.118	0.120	0.118	0.122	0.117	4.18	
70)	TCM	Pentachlorophenol		0.067	0.088	0.099	0.104	0.119	0.095	20.38	LR
71)	T	Phenanthrene	1.081	1.071	1.037	1.024	1.001	0.979	1.032	3.85	
72)	T	Anthracene	1.046	1.066	1.043	1.035	0.997	0.980	1.028	3.16	
73)	T	Carbazole	0.949	0.960	0.936	0.914	0.878	0.875	0.919	3.92	
74)	T	Di-n-butylphthalate	0.972	1.128	1.103	1.071	1.059	1.025	1.060	5.29	
75)	TC	Fluoranthene	1.107	1.152	1.122	1.079	1.074	1.034	1.095	3.79	
						ISTD					
76)	IR	d12-Chrysene									
77)	T	Benzidine		0.495	0.389	0.358	0.294	0.250	0.357	26.37	QV
78)	TM	Pyrene	1.220	1.177	1.115	1.159	1.094	1.076	1.140	4.79	
79)	S	SURR6,TERPHENYL-D14	0.982	0.970	0.926	0.961	0.916	0.910	0.944	3.27	
80)	T	Butyl benzyl phthal	0.419	0.495	0.493	0.510	0.498	0.509	0.487	7.05	
81)	T	3,3'-Dichlorobenzid	0.363	0.462	0.454	0.451	0.435	0.435	0.433	8.32	
82)	T	Benzo(a)anthracene	1.139	1.187	1.163	1.160	1.135	1.134	1.153	1.81	
83)	T	Chrysene	1.111	1.135	1.111	1.118	1.104	1.109	1.115	0.98	

(#) = Out of Range

010443

Response Factor Report 5973-A

Method : J:\ACQUDATA\5973A\METHODS\82701113.M (RTE Integrator)
Title : 8270 BNA ANALYSIS
Last Update : Wed Nov 14 09:03:55 2007
Response via : Initial Calibration

Calibration Files
10 =BQ202.D 50 =BQ203.D 80 =BQ204.D
100 =BQ205.D 120 =BQ206.D 160 =BQ207.D

		Compound	10	50	80	100	120	160	Avg	%RSD
84)	T	bis(2-Ethylhexyl)ph	0.510	0.657	0.661	0.679	0.683	0.711	0.650	10.98
						ISTD				
85)	IR	d12-Perylene								
86)	TC	Di-n-octyl phthalat	0.808	1.136	1.102	1.093	1.103	1.148	1.065	11.98
87)	T	Benzo(b)Fluoranthen	1.242	1.335	1.258	1.264	1.267	1.295	1.277	2.61
88)	T	Benzo(k)fluoranthen	1.273	1.288	1.238	1.212	1.199	1.178	1.231	3.49
89)	TC	Benzo(a)pyrene	1.069	1.215	1.210	1.207	1.186	1.197	1.181	4.72
90)	T	Indeno(1,2,3-cd)Pyr	1.544	1.679	1.679	1.734	1.687	1.683	1.668	3.83
91)	T	Dibenz(a,h)anthrace	1.352	1.428	1.427	1.468	1.426	1.405	1.418	2.70
92)	T	Benzo(g,h,i)perylen	1.353	1.441	1.437	1.491	1.447	1.436	1.434	3.13

Evaluate Continuing Calibration Report

Data File : J:\ACQUDATA\5973A\DATA\122007\BQ604.D
Acq On : 20 Dec 2007 11:14 am
Sample : calibration check
Misc : 80 ppm std 8270/625
MS Integration Params: RTEINT.P

LR: #27, 40, 52
60, 70

Vial: 1
Operator: Z.Miao
Inst : 5973-A
Multiplr: 1.00

Method : J:\ACQUDATA\5973A\METHODS\82701113.M (RTE Integrator)
Title : 8270 BNA ANALYSIS
Last Update : Mon Dec 10 15:58:21 2007
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	IR	d4-1,4-Dichlorobenzene	1.000	1.000	0.0	90	0.00
2	T	Pyridine	0.991	1.053	-6.3	94	-0.04
3	T	N-Nitrosodimethylamine	0.554	0.595	-7.4	96	-0.04
4	S	SURR1,2-FLUOROPHENOL	1.109	1.108	0.1	88	0.00
5	T	Benzaldehyde	0.501	0.341	31.9#	53	0.00
6	T	Aniline	1.825	1.583	13.3	78	0.00
7	S	SURR2,PHENOL-D6	1.526	1.527	-0.1	89	0.01
8	TMC	Phenol	1.692	1.650	2.5	87	0.01
9	T	bis(2-Clethyl)Ether	1.245	1.184	4.9	85	0.00
10	TM	2-Chlorophenol	1.299	1.344	-3.5	92	0.00
11	T	1,3-Diclbenzene	1.538	1.598	-3.9	94	0.00
12	TMC	1,4-Dichlorobenzene	1.547	1.599	-3.4	93	0.00
13	T	1,2-Diclbenzene	1.462	1.498	-2.5	93	0.00
14	T	Benzyl Alcohol	1.083	1.139	-5.2	93	0.00
15	T	2,2'-oxybis(1-Chloropropane	1.433	1.165	18.7	72	0.00
16	T	2-Methylphenol	1.206	1.187	1.6	88	0.00
17	T	Acetophenone	1.768	1.840	-4.1	93	0.00
18	TMP	N-Nitroso-Di-n-propylamine	0.949	0.947	0.2	90	0.00
19	T	Hexachloroethane	0.620	0.665	-7.3	96	0.00
20	T	4-Methylphenol	1.263	1.272	-0.7	90	0.00
21	T	1-Methyl-2-pyrrolidinone	0.864	0.792	8.3	82	0.01
22	IR	d8-Naphthalene	1.000	1.000	0.0	85	-0.01
23	S	SURR4,NITROBENZENE-D5	0.382	0.413	-8.1	90	0.00
24	T	Nitrobenzene	0.386	0.405	-4.9	89	0.00
25	T	Isophorone	0.590	0.612	-3.7	88	0.00
26	TC	2-Nitrophenol	0.199	0.212	-6.5	88	0.00
27	T	Benzoic Acid	0.151	0.191	-26.5#	110	0.02
28	T	2,4-Dimethylphenol	0.342	0.365	-6.7	91	0.00
29	T	bis(-2-Chloroethoxy)Methane	0.413	0.412	0.2	85	0.00
30	TC	2,4-Dichlorophenol	0.299	0.312	-4.3	87	0.00
31	TM	1,2,4-Trichlorobenzene	0.346	0.367	-6.1	90	0.00
32	T	Naphthalene	0.990	1.026	-3.6	88	0.00
33	T	4-Chloroaniline	0.412	0.388	5.8	79	0.00
34	TC	Hexachlorobutadiene	0.214	0.237	-10.7	93	-0.01
35	TMC	4-Chloro-3-methylphenol	0.301	0.302	-0.3	85	0.00
36	T	Caprolactam	0.109	0.102	6.4	75	0.00
37	T	2-Methylnaphthalene	0.678	0.709	-4.6	88	-0.02
38	T	1-Methylnaphthalene	0.698	0.723	-3.6	87	-0.01
39	IR	d10-Acenaphthene	1.000	1.000	0.0	82	-0.03

(#) = Out of Range

01106

Evaluate Continuing Calibration Report

Data File : J:\ACQUDATA\5973A\DATA\122007\BQ604.D
Acq On : 20 Dec 2007 11:14 am
Sample : calibration check
Misc : 80 ppm std 8270/625
MS Integration Params: RTEINT.P

Vial: 1
Operator: Z.Miao
Inst : 5973-A
Multiplr: 1.00

Method : J:\ACQUDATA\5973A\METHODS\82701113.M (RTE Integrator)
Title : 8270 BNA ANALYSIS
Last Update : Mon Dec 10 15:58:21 2007
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
40	TP	Hexachlorocyclopentadiene	0.321	0.336	-4.7	80	-0.02
41	TC	2,4,6-Trichlorophenol	0.375	0.414	-10.4	88	-0.01
42	T	2,4,5-Trichlorophenol	0.393	0.431	-9.7	87	-0.01
43	S	SURR5,2-FLUOROBIPHENYL	1.327	1.410	-6.3	87	-0.02
44	T	1,1'-Biphenyl	1.528	1.627	-6.5	86	-0.02
45	T	2-Chloronaphthalene	1.117	1.159	-3.8	84	-0.02
46	T	2-Nitroaniline	0.348	0.355	-2.0	83	-0.02
47	T	Acenaphthylene	1.687	1.754	-4.0	83	-0.02
48	T	Dimethyl phthalate	1.230	1.266	-2.9	84	-0.02
49	T	2,6-Dinitrotoluene	0.308	0.300	2.6	78	-0.02
50	TMC	Acenaphthene	1.166	1.223	-4.9	85	-0.02
51	T	3-Nitroaniline	0.329	0.301	8.5	74	-0.01
52	TP	2,4-Dinitrophenol	0.108	0.111	-2.8	89	-0.02
53	T	Dibenzofuran	1.609	1.642	-2.1	82	-0.04
54	TM	2,4-Dinitrotoluene	0.383	0.371	3.1	77	-0.02
55	TMP	4-Nitrophenol	0.228	0.220	3.5	79	0.00
56	T	Fluorene	1.336	1.326	0.7	81	-0.04
57	T	4-Chlorophenyl-phenylether	0.685	0.683	0.3	83	-0.04
58	T	Diethylphthalate	1.209	1.247	-3.1	84	-0.02
59	T	4-Nitroaniline	0.309	0.283	8.4	72	-0.02
60	S	SURR3,2,4,6-TRIBROMOPHENOL	0.230	0.240	-4.3	82	-0.03
61	IR	d10-Phenanthrene	1.000	1.000	0.0	81	-0.04
62	T	1-Phenyl-1(4-methyl-phenyl)	0.489	0.512	-4.7	85	-0.03
63	T	4,6-Dinitro-2-methylphenol	0.125	0.114	8.8	75	-0.03
64	T	1,2 Diphenylhydrazine	0.756	0.781	-3.3	83	-0.03
65	TC	N-Nitrosodiphenylamine	0.618	0.613	0.8	80	-0.03
66	T	4-Bromophenyl-phenylether	0.239	0.241	-0.8	81	-0.04
67	T	1-Phenyl-1(2,4-dimethylphen	0.593	0.617	-4.0	84	-0.04
68	T	Hexachlorobenzene	0.271	0.282	-4.1	85	-0.04
69	T	Atrazine	0.117	0.089	23.9#	61	-0.03
70	TCM	Pentachlorophenol	0.095	0.091	4.2	84	-0.03
71	T	Phenanthrene	1.032	1.065	-3.2	83	-0.04
72	T	Anthracene	1.028	1.060	-3.1	82	-0.04
73	T	Carbazole	0.919	0.938	-2.1	81	-0.04
74	T	Di-n-butylphthalate	1.060	1.145	-8.0	84	-0.04
75	TC	Fluoranthene	1.095	1.192	-8.9	86	-0.05
76	IR	d12-Chrysene	1.000	1.000	0.0	81	-0.08
77	T	Benzidine	0.357	0.174 not used	51.3#	36#	-0.04
78	TM	Pyrene	1.140	1.180	-3.5	86	-0.05

(#) = Out of Range

01107

Evaluate Continuing Calibration Report

Data File : J:\ACQUDATA\5973A\DATA\122007\BQ604.D
Acq On : 20 Dec 2007 11:14 am
Sample : calibration check
Misc : 80 ppm std 8270/625
MS Integration Params: RTEINT.P

Vial: 1
Operator: Z.Miao
Inst : 5973-A
Multiplr: 1.00

Method : J:\ACQUDATA\5973A\METHODS\82701113.M (RTE Integrator)
Title : 8270 BNA ANALYSIS
Last Update : Mon Dec 10 15:58:21 2007
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
79	S	SURR6,TERPHENYL-D14	0.944	0.965	-2.2	85	-0.05
80	T	Butyl benzyl phthalate	0.487	0.498	-2.3	82	-0.05
81	T	3,3'-Dichlorobenzidine	0.433	0.444	-2.5	79	-0.08
82	T	Benzo(a)anthracene	1.153	1.192	-3.4	83	-0.09
83	T	Chrysene	1.115	1.134	-1.7	83	-0.09
84	T	bis(2-Ethylhexyl)phthalate	0.650	0.649	0.2	80	-0.09
85	IR	d12-Perylene	1.000	1.000	0.0	83	-0.17
86	TC	Di-n-octyl phthalate	1.065	1.044	2.0	79	-0.14
87	T	Benzo(b)Fluoranthene	1.277	1.259	1.4	83	-0.16
88	T	Benzo(k)fluoranthene	1.231	1.205	2.1	81	-0.17
89	TC	Benzo(a)pyrene	1.181	1.199	-1.5	83	-0.17
90	T	Indeno(1,2,3-cd)Pyrene	1.668	1.792	-7.4	89	-0.17
91	T	Dibenz(a,h)anthracene	1.418	1.514	-6.8	88	-0.18
92	T	Benzo(g,h,i)perylene	1.434	1.524	-6.3	88	-0.20

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data File : J:\ACQUDATA\5973A\DATA\122107\BQ629.D
Acq On : 21 Dec 2007 10:03 am
Sample : CALIBRATION CHECK
Misc : 80 PPM STD 8270/625
MS Integration Params: RTEINT.P

LR: 27.40.52

Vial: 1
Operator: Z.Miao
Inst : 5973-A
Multiplr: 1.00

Method : J:\ACQUDATA\5973A\METHODS\82701113.M (RTE Integrator)
Title : 8270 BNA ANALYSIS
Last Update : Mon Dec 10 15:58:21 2007
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	IR	d4-1,4-Dichlorobenzene	1.000	1.000	0.0	79	0.00
2	T	Pyridine	0.991	1.074	-8.4	84	-0.04
3	T	N-Nitrosodimethylamine	0.554	0.610	-10.1	86	-0.04
4	S	SURR1,2-FLUOROPHENOL	1.109	1.098	1.0	76	0.00
5	T	Benzaldehyde	0.501	0.321	35.9#	44#	0.00
6	T	Aniline	1.825	1.632	10.6	70	0.00
7	S	SURR2,PHENOL-D6	1.526	1.553	-1.8	79	0.02
8	TMC	Phenol	1.692	1.688	0.2	78	0.00
9	T	bis(2-Clethyl)Ether	1.245	1.206	3.1	76	0.00
10	TM	2-Chlorophenol	1.299	1.351	-4.0	81	0.00
11	T	1,3-Diclbenzene	1.538	1.552	-0.9	79	0.00
12	TMC	1,4-Dichlorobenzene	1.547	1.573	-1.7	80	0.00
13	T	1,2-Diclbenzene	1.462	1.498	-2.5	81	0.00
14	T	Benzyl Alcohol	1.083	1.167	-7.8	83	0.00
15	T	2,2'-oxybis(1-Chloropropane	1.433	1.241	13.4	67	0.00
16	T	2-Methylphenol	1.206	1.219	-1.1	79	0.00
17	T	Acetophenone	1.768	1.898	-7.4	84	0.00
18	TMP	N-Nitroso-Di-n-propylamine	0.949	1.011	-6.5	84	0.00
19	T	Hexachloroethane	0.620	0.681	-9.8	85	0.00
20	T	4-Methylphenol	1.263	1.294	-2.5	80	0.00
21	T	1-Methyl-2-pyrrolidinone	0.864	0.857	0.8	77	0.02
22	IR	d8-Naphthalene	1.000	1.000	0.0	76	0.00
23	S	SURR4,NITROBENZENE-D5	0.382	0.423	-10.7	83	0.00
24	T	Nitrobenzene	0.386	0.411	-6.5	81	0.00
25	T	Isophorone	0.590	0.633	-7.3	81	0.00
26	TC	2-Nitrophenol	0.199	0.207	-4.0	77	0.00
27	T	Benzoic Acid	0.151	0.208	-37.7#	108	0.03
28	T	2,4-Dimethylphenol	0.342	0.376	-9.9	84	0.00
29	T	bis(-2-Chloroethoxy)Methane	0.413	0.427	-3.4	79	0.00
30	TC	2,4-Dichlorophenol	0.299	0.313	-4.7	78	0.00
31	TM	1,2,4-Trichlorobenzene	0.346	0.365	-5.5	81	0.00
32	T	Naphthalene	0.990	1.033	-4.3	79	0.00
33	T	4-Chloroaniline	0.412	0.398	3.4	73	0.00
34	TC	Hexachlorobutadiene	0.214	0.238	-11.2	84	-0.01
35	TMC	4-Chloro-3-methylphenol	0.301	0.322	-7.0	81	0.00
36	T	Caprolactam	0.109	0.111	-1.8	74	0.00
37	T	2-Methylnaphthalene	0.678	0.720	-6.2	80	-0.02
38	T	1-Methylnaphthalene	0.698	0.737	-5.6	80	-0.01
39	IR	d10-Acenaphthene	1.000	1.000	0.0	77	-0.03

(#) = Out of Range
BQ629.D 82701113.M Wed Dec 26 09:49:17 2007

01118

Evaluate Continuing Calibration Report

Data File : J:\ACQUDATA\5973A\DATA\122107\BQ629.D
Acq On : 21 Dec 2007 10:03 am
Sample : CALIBRATION CHECK
Misc : 80 PPM STD 8270/625
MS Integration Params: RTEINT.P

Vial: 1
Operator: Z.Miao
Inst : 5973-A
Multiplr: 1.00

Method : J:\ACQUDATA\5973A\METHODS\82701113.M (RTE Integrator)
Title : 8270 BNA ANALYSIS
Last Update : Mon Dec 10 15:58:21 2007
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
40	TP	Hexachlorocyclopentadiene	0.321	0.316	1.6	71	-0.02
41	TC	2,4,6-Trichlorophenol	0.375	0.410	-9.3	82	-0.01
42	T	2,4,5-Trichlorophenol	0.393	0.426	-8.4	81	-0.01
43	S	SURR5,2-FLUOROBIPHENYL	1.327	1.389	-4.7	81	-0.02
44	T	1,1'-Biphenyl	1.528	1.621	-6.1	81	-0.02
45	T	2-Chloronaphthalene	1.117	1.149	-2.9	79	-0.02
46	T	2-Nitroaniline	0.348	0.364	-4.6	80	-0.02
47	T	Acenaphthylene	1.687	1.768	-4.8	79	-0.02
48	T	Dimethyl phthalate	1.230	1.321	-7.4	82	-0.02
49	T	2,6-Dinitrotoluene	0.308	0.314	-1.9	77	-0.02
50	TMC	Acenaphthene	1.166	1.222	-4.8	81	-0.02
51	T	3-Nitroaniline	0.329	0.319	3.0	74	-0.01
52	TP	2,4-Dinitrophenol	0.108	0.131	-21.3#	99	-0.02
53	T	Dibenzofuran	1.609	1.679	-4.4	80	-0.03
54	TM	2,4-Dinitrotoluene	0.383	0.397	-3.7	78	-0.02
55	TMP	4-Nitrophenol	0.228	0.235	-3.1	79	0.00
56	T	Fluorene	1.336	1.370	-2.5	79	-0.03
57	T	4-Chlorophenyl-phenylether	0.685	0.698	-1.9	80	-0.03
58	T	Diethylphthalate	1.209	1.361	-12.6	86	-0.02
59	T	4-Nitroaniline	0.309	0.310	-0.3	74	-0.02
60	S	SURR3,2,4,6-TRIBROMOPHENOL	0.230	0.253	-10.0	81	-0.03
			1.000	1.000	0.0	82	-0.04
61	IR	d10-Phenanthrene	0.489	0.487	0.4	82	-0.02
62	T	1-Phenyl-1(4-methyl-phenyl)	0.125	0.122	2.4	82	-0.02
63	T	4,6-Dinitro-2-methylphenol	0.756	0.768	-1.6	82	-0.02
64	T	1,2 Diphenylhydrazine	0.618	0.596	3.6	79	-0.03
65	TC	N-Nitrosodiphenylamine	0.239	0.237	0.8	81	-0.03
66	T	4-Bromophenyl-phenylether	0.593	0.614	-3.5	85	-0.03
67	T	1-Phenyl-1(2,4-dimethylphen	0.271	0.282	-4.1	86	-0.03
68	T	Hexachlorobenzene	0.117	0.093	20.5#	65	-0.03
69	T	Atrazine	0.095	0.090	5.3	85	-0.03
70	TCM	Pentachlorophenol	1.032	1.061	-2.8	84	-0.03
71	T	Phenanthrene	1.028	1.062	-3.3	84	-0.03
72	T	Anthracene	0.919	0.965	-5.0	85	-0.03
73	T	Carbazole	1.060	1.216	-14.7	91	-0.04
74	T	Di-n-butylphthalate	1.095	1.260	-15.1	92	-0.04
75	TC	Fluoranthene					
			1.000	1.000	0.0	91	-0.08
76	IR	d12-Chrysene	0.357	0.167	NT 53.2#	39#	-0.03
77	T	Benzidine	1.140	1.141	-0.1	93	-0.04
78	TM	Pyrene					

(#) = Out of Range

01119

Evaluate Continuing Calibration Report

Data File : J:\ACQUDATA\5973A\DATA\122107\BQ629.D
Acq On : 21 Dec 2007 10:03 am
Sample : CALIBRATION CHECK
Misc : 80 PPM STD 8270/625
MS Integration Params: RTEINT.P

Vial: 1
Operator: Z.Miao
Inst : 5973-A
Multiplr: 1.00

Method : J:\ACQUDATA\5973A\METHODS\82701113.M (RTE Integrator)
Title : 8270 BNA ANALYSIS
Last Update : Mon Dec 10 15:58:21 2007
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
79	S	SURR6,TERPHENYL-D14	0.944	0.956	-1.3	94	-0.04
80	T	Butyl benzyl phthalate	0.487	0.511	-4.9	94	-0.05
81	T	3,3'-Dichlorobenzidine	0.433	0.448	-3.5	90	-0.07
82	T	Benzo(a)anthracene	1.153	1.193	-3.5	93	-0.08
83	T	Chrysene	1.115	1.139	-2.2	93	-0.08
84	T	bis(2-Ethylhexyl)phthalate	0.650	0.691	-6.3	95	-0.08
85	IR	d12-Perylene	1.000	1.000	0.0	88	-0.16
86	TC	Di-n-octyl phthalate	1.065	1.142	-7.2	91	-0.13
87	T	Benzo(b)Fluoranthene	1.277	1.299	-1.7	91	-0.16
88	T	Benzo(k)fluoranthene	1.231	1.241	-0.8	88	-0.16
89	TC	Benzo(a)pyrene	1.181	1.212	-2.6	88	-0.16
90	T	Indeno(1,2,3-cd)Pyrene	1.668	1.684	-1.0	88	-0.16
91	T	Dibenz(a,h)anthracene	1.418	1.428	-0.7	88	-0.18
92	T	Benzo(g,h,i)perylene	1.434	1.422	0.8	87	-0.18

01120

Evaluate Continuing Calibration Report

Data File : J:\ACQUDATA\5973A\DATA\122107\BQ629.D
Acq On : 21 Dec 2007 10:03 am
Sample : CALIBRATION CHECK
Misc : 80 PPM STD 8270/625
MS Integration Params: RTEINT.P

Vial: 1
Operator: Z.Miao
Inst : 5973-A
Multiplr: 1.00

Method : J:\ACQUDATA\5973A\METHODS\82701113.M (RTE Integrator)
Title : 8270 BNA ANALYSIS
Last Update : Mon Dec 10 15:58:21 2007
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	IR	d4-1,4-Dichlorobenzene	40.000	40.000	0.0	79	0.00
2	T	Pyridine	80.000	86.700	-8.4	84	-0.04
3	T	N-Nitrosodimethylamine	80.000	88.108	-10.1	86	-0.04
4	S	SURR1,2-FLUOROPHENOL	80.000	79.233	1.0	76	0.00
5	T	Benzaldehyde	80.000	51.239	36.0#	44	0.00
6	T	Aniline	80.000	71.538	10.6	70	0.00
7	S	SURR2,PHENOL-D6	80.000	81.414	-1.8	79	0.02
8	TMC	Phenol	80.000	79.853	0.2	78	0.00
9	T	bis(2-Clethyl)Ether	80.000	77.537	3.1	76	0.00
10	TM	2-Chlorophenol	80.000	83.224	-4.0	81	0.00
11	T	1,3-Diclbenzene	80.000	80.737	-0.9	79	0.00
12	TMC	1,4-Dichlorobenzene	80.000	81.321	-1.7	80	0.00
13	T	1,2-Diclbenzene	80.000	81.983	-2.5	81	0.00
14	T	Benzyl Alcohol	80.000	86.207	-7.8	83	0.00
15	T	2,2'-oxybis(1-Chloropropane	80.000	69.261	13.4	67	0.00
16	T	2-Methylphenol	80.000	80.824	-1.0	79	0.00
17	T	Acetophenone	80.000	85.890	-7.4	84	0.00
18	TMP	N-Nitroso-Di-n-propylamine	80.000	85.233	-6.5	84	0.00
19	T	Hexachloroethane	80.000	87.915	-9.9	85	0.00
20	T	4-Methylphenol	80.000	81.944	-2.4	80	0.00
21	T	1-Methyl-2-pyrrolidinone	80.000	79.388	0.8	77	0.02
22	IR	d8-Naphthalene	40.000	40.000	0.0	76	0.00
23	S	SURR4,NITROBENZENE-D5	80.000	88.611	-10.8	83	0.00
24	T	Nitrobenzene	80.000	85.304	-6.6	81	0.00
25	T	Isophorone	80.000	85.935	-7.4	81	0.00
26	TC	2-Nitrophenol	80.000	83.233	-4.0	77	0.00
27	T	Benzoic Acid	80.000	103.521	-29.4#	108	0.03
28	T	2,4-Dimethylphenol	80.000	88.022	-10.0	84	0.00
29	T	bis(-2-Chloroethoxy)Methane	80.000	82.765	-3.5	79	0.00
30	TC	2,4-Dichlorophenol	80.000	83.874	-4.8	78	0.00
31	TM	1,2,4-Trichlorobenzene	80.000	84.273	-5.3	81	0.00
32	T	Naphthalene	80.000	83.451	-4.3	79	0.00
33	T	4-Chloroaniline	80.000	77.376	3.3	73	0.00
34	TC	Hexachlorobutadiene	80.000	89.000	-11.3	84	-0.01
35	TMC	4-Chloro-3-methylphenol	80.000	85.659	-7.1	81	0.00
36	T	Caprolactam	80.000	81.702	-2.1	74	0.00
37	T	2-Methylnaphthalene	80.000	84.949	-6.2	80	-0.02
38	T	1-Methylnaphthalene	80.000	84.441	-5.6	80	-0.01
39	IR	d10-Acenaphthene	40.000	40.000	0.0	77	-0.03

(#) = Out of Range

011121

Evaluate Continuing Calibration Report

Data File : J:\ACQUDATA\5973A\DATA\122107\BQ629.D
Acq On : 21 Dec 2007 10:03 am
Sample : CALIBRATION CHECK
Misc : 80 PPM STD 8270/625
MS Integration Params: RTEINT.P

Vial: 1
Operator: Z.Miao
Inst : 5973-A
Multiplr: 1.00

Method : J:\ACQUDATA\5973A\METHODS\82701113.M (RTE Integrator)
Title : 8270 BNA ANALYSIS
Last Update : Mon Dec 10 15:58:21 2007
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
40	TP	Hexachlorocyclopentadiene	80.000	73.059	8.7	71	-0.02
41	TC	2,4,6-Trichlorophenol	80.000	87.471	-9.3	82	-0.01
42	T	2,4,5-Trichlorophenol	80.000	86.830	-8.5	81	-0.01
43	S	SURR5,2-FLUOROBIPHENYL	80.000	83.789	-4.7	81	-0.02
44	T	1,1'-Biphenyl	80.000	84.835	-6.0	81	-0.02
45	T	2-Chloronaphthalene	80.000	82.297	-2.9	79	-0.02
46	T	2-Nitroaniline	80.000	83.687	-4.6	80	-0.02
47	T	Acenaphthylene	80.000	83.824	-4.8	79	-0.02
48	T	Dimethyl phthalate	80.000	85.917	-7.4	82	-0.02
49	T	2,6-Dinitrotoluene	80.000	81.524	-1.9	77	-0.02
50	TMC	Acenaphthene	80.000	83.852	-4.8	81	-0.02
51	T	3-Nitroaniline	80.000	77.514	3.1	74	-0.01
52	TP	2,4-Dinitrophenol	80.000	93.762	-17.2	99	-0.02
53	T	Dibenzofuran	80.000	83.483	-4.4	80	-0.03
54	TM	2,4-Dinitrotoluene	80.000	82.865	-3.6	78	-0.02
55	TMP	4-Nitrophenol	80.000	82.540	-3.2	79	0.00
56	T	Fluorene	80.000	82.042	-2.6	79	-0.03
57	T	4-Chlorophenyl-phenylether	80.000	81.574	-2.0	80	-0.03
58	T	Diethylphthalate	80.000	90.082	-12.6	86	-0.02
59	T	4-Nitroaniline	80.000	80.111	-0.1	74	-0.02
60	S	SURR3,2,4,6-TRIBROMOPHENOL	80.000	82.487	-3.1	81	-0.03
			40.000	40.000	0.0	82	-0.04
61	IR	d10-Phenanthrene	80.000	79.637	0.5	82	-0.02
62	T	1-Phenyl-1(4-methyl-phenyl)	80.000	77.922	2.6	82	-0.02
63	T	4,6-Dinitro-2-methylphenol	80.000	81.199	-1.5	82	-0.02
64	T	1,2 Diphenylhydrazine	80.000	77.248	3.4	79	-0.03
65	TC	N-Nitrosodiphenylamine	80.000	79.179	1.0	81	-0.03
66	T	4-Bromophenyl-phenylether	80.000	82.760	-3.5	85	-0.03
67	T	1-Phenyl-1(2,4-dimethylphen	80.000	83.302	-4.1	86	-0.03
68	T	Hexachlorobenzene	80.000	63.229	21.0#	65	-0.03
69	T	Atrazine	80.000	80.041	-0.1	85	-0.03
70	TCM	Pentachlorophenol	80.000	82.218	-2.8	84	-0.03
71	T	Phenanthrene	80.000	82.685	-3.4	84	-0.03
72	T	Anthracene	80.000	83.991	-5.0	85	-0.03
73	T	Carbazole	80.000	91.840	-14.8	91	-0.04
74	T	Di-n-butylphthalate	80.000	92.091	-15.1	92	-0.04
75	TC	Fluoranthene					
			40.000	40.000	0.0	91	-0.08
76	IR	d12-Chrysene	80.000	37.503	NT 53.1#	39	-0.03
77	T	Benzidine	80.000	80.073	-0.1	93	-0.04
78	TM	Pyrene					

(#) = Out of Range

01122

Evaluate Continuing Calibration Report

Data File : J:\ACQUDATA\5973A\DATA\122107\BQ629.D Vial: 1
Acq On : 21 Dec 2007 10:03 am Operator: Z.Miao
Sample : CALIBRATION CHECK Inst : 5973-A
Misc : 80 PPM STD 8270/625 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : J:\ACQUDATA\5973A\METHODS\82701113.M (RTE Integrator)
Title : 8270 BNA ANALYSIS
Last Update : Mon Dec 10 15:58:21 2007
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
79	S	SURR6,TERPHENYL-D14	80.000	81.026	-1.3	94	-0.04
80	T	Butyl benzyl phthalate	80.000	83.928	-4.9	94	-0.05
81	T	3,3'-Dichlorobenzidine	80.000	82.718	-3.4	90	-0.07
82	T	Benzo(a)anthracene	80.000	82.770	-3.5	93	-0.08
83	T	Chrysene	80.000	81.738	-2.2	93	-0.08
84	T	bis(2-Ethylhexyl)phthalate	80.000	85.044	-6.3	95	-0.08
85	IR	d12-Perylene	40.000	40.000	0.0	88	-0.16
86	TC	Di-n-octyl phthalate	80.000	85.796	-7.2	91	-0.13
87	T	Benzo(b)Fluoranthene	80.000	81.398	-1.7	91	-0.16
88	T	Benzo(k)fluoranthene	80.000	80.619	-0.8	88	-0.16
89	TC	Benzo(a)pyrene	80.000	82.102	-2.6	88	-0.16
90	T	Indeno(1,2,3-cd)Pyrene	80.000	80.796	-1.0	88	-0.16
91	T	Dibenz(a,h)anthracene	80.000	80.544	-0.7	88	-0.18
92	T	Benzo(g,h,i)perylene	80.000	79.313	0.9	87	-0.18

01123

Evaluate Continuing Calibration Report

Data File : J:\ACQUDATA\5973A\DATA\122607\BQ659.D
Acq On : 26 Dec 2007 11:22 am
Sample : CALIBRATION CHECK
Misc : 80 PPM STD 8270/625
MS Integration Params: RTEINT.P

LR: #27.40.52
60.70

Vial: 1
Operator: Z.Miao
Inst : 5973-A
Multiplr: 1.00

Method : J:\ACQUDATA\5973A\METHODS\82701113.M (RTE Integrator)
Title : 8270 BNA ANALYSIS
Last Update : Mon Dec 10 15:58:21 2007
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	IR	d4-1,4-Dichlorobenzene	1.000	1.000	0.0	56	0.00
2	T	Pyridine	0.991	1.109	-11.9	61	-0.04
3	T	N-Nitrosodimethylamine	0.554	0.615	-11.0	61	-0.04
4	S	SURR1,2-FLUOROPHENOL	1.109	1.141	-2.9	56	0.00
5	T	Benzaldehyde	0.501	0.350	30.1#	34#	0.00
6	T	Aniline	1.825	1.618	11.3	49#	0.00
7	S	SURR2,PHENOL-D6	1.526	1.614	-5.8	58	0.01
8	TMC	Phenol	1.692	1.724	-1.9	56	0.01
9	T	bis(2-Clethyl)Ether	1.245	1.265	-1.6	56	0.00
10	TM	2-Chlorophenol	1.299	1.379	-6.2	58	0.00
11	T	1,3-Diclbenzene	1.538	1.571	-2.1	57	0.00
12	TMC	1,4-Dichlorobenzene	1.547	1.592	-2.9	57	0.00
13	T	1,2-Diclbenzene	1.462	1.525	-4.3	59	0.00
14	T	Benzyl Alcohol	1.083	1.136	-4.9	57	0.00
15	T	2,2'-oxybis(1-Chloropropane	1.433	1.241	13.4	48#	0.00
16	T	2-Methylphenol	1.206	1.221	-1.2	56	0.00
17	T	Acetophenone	1.768	1.983	-12.2	62	0.00
18	TMP	N-Nitroso-Di-n-propylamine	0.949	1.041	-9.7	61	0.00
19	T	Hexachloroethane	0.620	0.689	-11.1	61	0.00
20	T	4-Methylphenol	1.263	1.335	-5.7	58	0.00
21	T	1-Methyl-2-pyrrolidinone	0.864	0.907	-5.0	58	0.00
22	IR	d8-Naphthalene	1.000	1.000	0.0	56	0.00
23	S	SURR4,NITROBENZENE-D5	0.382	0.421	-10.2	61	0.00
24	T	Nitrobenzene	0.386	0.409	-6.0	59	0.00
25	T	Isophorone	0.590	0.638	-8.1	60	0.00
26	TC	2-Nitrophenol	0.199	0.209	-5.0	57	0.00
27	T	Benzoic Acid	0.151	0.207	-37.1#	79	0.02
28	T	2,4-Dimethylphenol	0.342	0.374	-9.4	62	0.00
29	T	bis(-2-Chloroethoxy)Methane	0.413	0.422	-2.2	57	0.00
30	TC	2,4-Dichlorophenol	0.299	0.310	-3.7	57	0.00
31	TM	1,2,4-Trichlorobenzene	0.346	0.361	-4.3	59	0.00
32	T	Naphthalene	0.990	1.051	-6.2	59	0.00
33	T	4-Chloroaniline	0.412	0.402	2.4	54	0.00
34	TC	Hexachlorobutadiene	0.214	0.235	-9.8	61	0.00
35	TMC	4-Chloro-3-methylphenol	0.301	0.329	-9.3	61	0.00
36	T	Caprolactam	0.109	0.116	-6.4	56	0.00
37	T	2-Methylnaphthalene	0.678	0.723	-6.6	59	-0.01
38	T	1-Methylnaphthalene	0.698	0.742	-6.3	59	0.00
39	IR	d10-Acenaphthene	1.000	1.000	0.0	59	-0.03

(#) = Out of Range

01128

Evaluate Continuing Calibration Report

Data File : J:\ACQUDATA\5973A\DATA\122607\BQ659.D Vial: 1
Acq On : 26 Dec 2007 11:22 am Operator: Z.Miao
Sample : CALIBRATION CHECK Inst : 5973-A
Misc : 80 PPM STD 8270/625 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : J:\ACQUDATA\5973A\METHODS\82701113.M (RTE Integrator)
Title : 8270 BNA ANALYSIS
Last Update : Mon Dec 10 15:58:21 2007
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF		%Dev	Area%	Dev(min)
40	TP	Hexachlorocyclopentadiene	0.321	0.245		23.7#	42#	0.00
41	TC	2,4,6-Trichlorophenol	0.375	0.397		-5.9	61	0.00
42	T	2,4,5-Trichlorophenol	0.393	0.418		-6.4	61	0.00
43	S	SURR5,2-FLUOROBIPHENYL	1.327	1.342		-1.1	60	-0.01
44	T	1,1'-Biphenyl	1.528	1.572		-2.9	60	-0.01
45	T	2-Chloronaphthalene	1.117	1.127		-0.9	59	-0.01
46	T	2-Nitroaniline	0.348	0.371		-6.6	63	-0.01
47	T	Acenaphthylene	1.687	1.755		-4.0	60	-0.02
48	T	Dimethyl phthalate	1.230	1.324		-7.6	63	-0.01
49	T	2,6-Dinitrotoluene	0.308	0.320		-3.9	60	-0.01
50	TMC	Acenaphthene	1.166	1.226		-5.1	62	-0.02
51	T	3-Nitroaniline	0.329	0.333		-1.2	59	-0.01
52	TP	2,4-Dinitrophenol	0.108	0.120		-11.1	69	0.00
53	T	Dibenzofuran	1.609	1.657		-3.0	60	-0.03
54	TM	2,4-Dinitrotoluene	0.383	0.407		-6.3	61	-0.02
55	TMP	4-Nitrophenol	0.228	0.236		-3.5	61	0.00
56	T	Fluorene	1.336	1.382		-3.4	61	-0.03
57	T	4-Chlorophenyl-phenylether	0.685	0.694		-1.3	61	-0.03
58	T	Diethylphthalate	1.209	1.349		-11.6	66	-0.02
59	T	4-Nitroaniline	0.309	0.307		0.6	56	-0.02
60	S	SURR3,2,4,6-TRIBROMOPHENOL	0.230	0.259		-12.6	64	-0.02
61	IR	d10-Phenanthrene	1.000	1.000		0.0	66	-0.03
62	T	1-Phenyl-1(4-methyl-phenyl)	0.489	0.454		7.2	62	-0.03
63	T	4,6-Dinitro-2-methylphenol	0.125	0.117		6.4	63	-0.01
64	T	1,2 Diphenylhydrazine	0.756	0.731		3.3	63	-0.03
65	TC	N-Nitrosodiphenylamine	0.618	0.568		8.1	60	-0.03
66	T	4-Bromophenyl-phenylether	0.239	0.227		5.0	63	-0.03
67	T	1-Phenyl-1(2,4-dimethylphen	0.593	0.568		4.2	63	-0.03
68	T	Hexachlorobenzene	0.271	0.273		-0.7	67	-0.03
69	T	Atrazine	0.117	0.089		23.9#	50#	-0.03
70	TCM	Pentachlorophenol	0.095	0.094		1.1	71	-0.02
71	T	Phenanthrene	1.032	1.063		-3.0	68	-0.03
72	T	Anthracene	1.028	1.050		-2.1	67	-0.03
73	T	Carbazole	0.919	0.962		-4.7	68	-0.03
74	T	Di-n-butylphthalate	1.060	1.178		-11.1	71	-0.03
75	TC	Fluoranthene	1.095	1.290		-17.8	76	-0.04
76	IR	d12-Chrysene	1.000	1.000		0.0	75	-0.07
77	T	Benzidine	0.357	0.140	N.T	60.8#	27#	-0.03
78	TM	Pyrene	1.140	1.138		0.2	77	-0.04

(#) = Out of Range

01129

Evaluate Continuing Calibration Report

Data File : J:\ACQUDATA\5973A\DATA\122607\BQ659.D Vial: 1
Acq On : 26 Dec 2007 11:22 am Operator: Z.Miao
Sample : CALIBRATION CHECK Inst : 5973-A
Misc : 80 PPM STD 8270/625 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : J:\ACQUDATA\5973A\METHODS\82701113.M (RTE Integrator)
Title : 8270 BNA ANALYSIS
Last Update : Mon Dec 10 15:58:21 2007
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
79	S	SURR6,TERPHENYL-D14	0.944	0.945	-0.1	77	-0.04
80	T	Butyl benzyl phthalate	0.487	0.494	-1.4	76	-0.04
81	T	3,3'-Dichlorobenzidine	0.433	0.430	0.7	71	-0.06
82	T	Benzo(a)anthracene	1.153	1.194	-3.6	78	-0.07
83	T	Chrysene	1.115	1.137	-2.0	77	-0.07
84	T	bis(2-Ethylhexyl)phthalate	0.650	0.658	-1.2	75	-0.08
85	IR	d12-Perylene	1.000	1.000	0.0	72	-0.15
86	TC	Di-n-octyl phthalate	1.065	1.113	-4.5	72	-0.13
87	T	Benzo(b)Fluoranthene	1.277	1.335	-4.5	76	-0.15
88	T	Benzo(k)fluoranthene	1.231	1.258	-2.2	73	-0.15
89	TC	Benzo(a)pyrene	1.181	1.206	-2.1	71	-0.15
90	T	Indeno(1,2,3-cd)Pyrene	1.668	1.699	-1.9	72	-0.15
91	T	Dibenz(a,h)anthracene	1.418	1.438	-1.4	72	-0.16
92	T	Benzo(g,h,i)perylene	1.434	1.439	-0.3	72	-0.17

01130

Evaluate Continuing Calibration Report

Data File : J:\ACQUDATA\5973A\DATA\122607\BQ659.D Vial: 1
Acq On : 26 Dec 2007 11:22 am Operator: Z.Miao
Sample : CALIBRATION CHECK Inst : 5973-A
Misc : 80 PPM STD 8270/625 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : J:\ACQUDATA\5973A\METHODS\82701113.M (RTE Integrator)
Title : 8270 BNA ANALYSIS
Last Update : Mon Dec 10 15:58:21 2007
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	IR	d4-1,4-Dichlorobenzene	40.000	40.000	0.0	56	0.00
2	T	Pyridine	80.000	89.491	-11.9	61	-0.04
3	T	N-Nitrosodimethylamine	80.000	88.922	-11.2	61	-0.04
4	S	SURR1,2-FLUOROPHENOL	80.000	82.274	-2.8	56	0.00
5	T	Benzaldehyde	80.000	55.896	30.1#	34	0.00
6	T	Aniline	80.000	70.914	11.4	49	0.00
7	S	SURR2,PHENOL-D6	80.000	84.577	-5.7	58	0.01
8	TMC	Phenol	80.000	81.534	-1.9	56	0.01
9	T	bis(2-Clethyl)Ether	80.000	81.326	-1.7	56	0.00
10	TM	2-Chlorophenol	80.000	84.915	-6.1	58	0.00
11	T	1,3-Diclbenzene	80.000	81.722	-2.2	57	0.00
12	TMC	1,4-Dichlorobenzene	80.000	82.326	-2.9	57	0.00
13	T	1,2-Diclbenzene	80.000	83.441	-4.3	59	0.00
14	T	Benzyl Alcohol	80.000	83.924	-4.9	57	0.00
15	T	2,2'-oxybis(1-Chloropropane	80.000	69.249	13.4	48	0.00
16	T	2-Methylphenol	80.000	80.947	-1.2	56	0.00
17	T	Acetophenone	80.000	89.735	-12.2	62	0.00
18	TMP	N-Nitroso-Di-n-propylamine	80.000	87.813	-9.8	61	0.00
19	T	Hexachloroethane	80.000	88.900	-11.1	61	0.00
20	T	4-Methylphenol	80.000	84.517	-5.6	58	0.00
21	T	1-Methyl-2-pyrrolidinone	80.000	83.999	-5.0	58	0.00
22	IR	d8-Naphthalene	40.000	40.000	0.0	56	0.00
23	S	SURR4,NITROBENZENE-D5	80.000	88.296	-10.4	61	0.00
24	T	Nitrobenzene	80.000	84.810	-6.0	59	0.00
25	T	Isophorone	80.000	86.589	-8.2	60	0.00
26	TC	2-Nitrophenol	80.000	84.159	-5.2	57	0.00
27	T	Benzoic Acid	80.000	103.107	-28.9#	79	0.02
28	T	2,4-Dimethylphenol	80.000	87.440	-9.3	62	0.00
29	T	bis(-2-Chloroethoxy)Methane	80.000	81.756	-2.2	57	0.00
30	TC	2,4-Dichlorophenol	80.000	82.953	-3.7	57	0.00
31	TM	1,2,4-Trichlorobenzene	80.000	83.424	-4.3	59	0.00
32	T	Naphthalene	80.000	84.887	-6.1	59	0.00
33	T	4-Chloroaniline	80.000	78.066	2.4	54	0.00
34	TC	Hexachlorobutadiene	80.000	88.149	-10.2	61	0.00
35	TMC	4-Chloro-3-methylphenol	80.000	87.496	-9.4	61	0.00
36	T	Caprolactam	80.000	85.256	-6.6	56	0.00
37	T	2-Methylnaphthalene	80.000	85.357	-6.7	59	-0.01
38	T	1-Methylnaphthalene	80.000	85.015	-6.3	59	0.00
39	IR	d10-Acenaphthene	40.000	40.000	0.0	59	-0.03

(#) = Out of Range

01131

Evaluate Continuing Calibration Report

Data File : J:\ACQUDATA\5973A\DATA\122607\BQ659.D
Acq On : 26 Dec 2007 11:22 am
Sample : CALIBRATION CHECK
Misc : 80 PPM STD 8270/625
MS Integration Params: RTEINT.P

Vial: 1
Operator: Z.Miao
Inst : 5973-A
Multiplr: 1.00

Method : J:\ACQUDATA\5973A\METHODS\82701113.M (RTE Integrator)
Title : 8270 BNA ANALYSIS
Last Update : Mon Dec 10 15:58:21 2007
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.		%Dev	Area%	Dev(min)
40	TP	Hexachlorocyclopentadiene	80.000	58.599		26.8#	42	0.00
41	TC	2,4,6-Trichlorophenol	80.000	84.678		-5.8	61	0.00
42	T	2,4,5-Trichlorophenol	80.000	85.049		-6.3	61	0.00
43	S	SURR5,2-FLUOROBIPHENYL	80.000	80.909		-1.1	60	-0.01
44	T	1,1'-Biphenyl	80.000	82.271		-2.8	60	-0.01
45	T	2-Chloronaphthalene	80.000	80.725		-0.9	59	-0.01
46	T	2-Nitroaniline	80.000	85.485		-6.9	63	-0.01
47	T	Acenaphthylene	80.000	83.215		-4.0	60	-0.02
48	T	Dimethyl phthalate	80.000	86.169		-7.7	63	-0.01
49	T	2,6-Dinitrotoluene	80.000	83.140		-3.9	60	-0.01
50	TMC	Acenaphthene	80.000	84.183		-5.2	62	-0.02
51	T	3-Nitroaniline	80.000	80.981		-1.2	59	-0.01
52	TP	2,4-Dinitrophenol	80.000	88.440		-10.5	69	0.00
53	T	Dibenzofuran	80.000	82.381		-3.0	60	-0.03
54	TM	2,4-Dinitrotoluene	80.000	85.010		-6.3	61	-0.02
55	TMP	4-Nitrophenol	80.000	82.905		-3.6	61	0.00
56	T	Fluorene	80.000	82.779		-3.5	61	-0.03
57	T	4-Chlorophenyl-phenylether	80.000	81.061		-1.3	61	-0.03
58	T	Diethylphthalate	80.000	89.293		-11.6	66	-0.02
59	T	4-Nitroaniline	80.000	79.310		0.9	56	-0.02
60	S	SURR3,2,4,6-TRIBROMOPHENOL	80.000	84.471		-5.6	64	-0.02
61	IR	d10-Phenanthrene	40.000	40.000		0.0	66	-0.03
62	T	1-Phenyl-1(4-methyl-phenyl)	80.000	74.268		7.2	62	-0.03
63	T	4,6-Dinitro-2-methylphenol	80.000	74.637		6.7	63	-0.01
64	T	1,2 Diphenylhydrazine	80.000	77.344		3.3	63	-0.03
65	TC	N-Nitrosodiphenylamine	80.000	73.504		8.1	60	-0.03
66	T	4-Bromophenyl-phenylether	80.000	76.003		5.0	63	-0.03
67	T	1-Phenyl-1(2,4-dimethylphen	80.000	76.625		4.2	63	-0.03
68	T	Hexachlorobenzene	80.000	80.586		-0.7	67	-0.03
69	T	Atrazine	80.000	60.380		24.5#	50	-0.03
70	TCM	Pentachlorophenol	80.000	81.898		-2.4	71	-0.02
71	T	Phenanthrene	80.000	82.362		-3.0	68	-0.03
72	T	Anthracene	80.000	81.752		-2.2	67	-0.03
73	T	Carbazole	80.000	83.811		-4.8	68	-0.03
74	T	Di-n-butylphthalate	80.000	88.906		-11.1	71	-0.03
75	TC	Fluoranthene	80.000	94.247		-17.8	76	-0.04
76	IR	d12-Chrysene	40.000	40.000		0.0	75	-0.07
77	T	Benzidine	80.000	31.362	NJ	60.8#	27	-0.03
78	TM	Pyrene	80.000	79.824		0.2	77	-0.04

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : J:\ACQUDATA\5973A\DATA\122607\BQ659.D Vial: 1
Acq On : 26 Dec 2007 11:22 am Operator: Z.Miao
Sample : CALIBRATION CHECK Inst : 5973-A
Misc : 80 PPM STD 8270/625 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : J:\ACQUDATA\5973A\METHODS\82701113.M (RTE Integrator)
Title : 8270 BNA ANALYSIS
Last Update : Mon Dec 10 15:58:21 2007
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
79	S	SURR6,TERPHENYL-D14	80.000	80.033	-0.0	77	-0.04
80	T	Butyl benzyl phthalate	80.000	81.084	-1.4	76	-0.04
81	T	3,3'-Dichlorobenzidine	80.000	79.351	0.8	71	-0.06
82	T	Benzo(a)anthracene	80.000	82.865	-3.6	78	-0.07
83	T	Chrysene	80.000	81.579	-2.0	77	-0.07
84	T	bis(2-Ethylhexyl)phthalate	80.000	80.989	-1.2	75	-0.08
85	IR	d12-Perylene	40.000	40.000	0.0	72	-0.15
86	TC	Di-n-octyl phthalate	80.000	83.578	-4.5	72	-0.13
87	T	Benzo(b)Fluoranthene	80.000	83.618	-4.5	76	-0.15
88	T	Benzo(k)fluoranthene	80.000	81.712	-2.1	73	-0.15
89	TC	Benzo(a)pyrene	80.000	81.697	-2.1	71	-0.15
90	T	Indeno(1,2,3-cd)Pyrene	80.000	81.482	-1.9	72	-0.15
91	T	Dibenz(a,h)anthracene	80.000	81.138	-1.4	72	-0.16
92	T	Benzo(g,h,i)perylene	80.000	80.262	-0.3	72	-0.17

01133

Evaluate Continuing Calibration Report

Data File : J:\ACQUDATA\5973A\DATA\122707\BQ682.D Vial: 1
Acq On : 27 Dec 2007 10:24 am Operator: Z.Miao
Sample : CALIBRATION CHECK Inst : 5973-A
Misc : 80 PPM STD 8270/625 Multiplr: 1.00
MS Integration Params: RTEINT.P

LL: 27.40.52

Method : J:\ACQUDATA\5973A\METHODS\82701113.M (RTE Integrator)
Title : 8270 BNA ANALYSIS
Last Update : Mon Dec 10 15:58:21 2007
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	IR	d4-1,4-Dichlorobenzene	1.000	1.000	0.0	56	0.00
2	T	Pyridine	0.991	1.011	-2.0	57	-0.05
3	T	N-Nitrosodimethylamine	0.554	0.575	-3.8	58	-0.04
4	S	SURR1,2-FLUOROPHENOL	1.109	1.071	3.4	53	0.00
5	T	Benzaldehyde	0.501	0.381	24.0#	37#	0.00
6	T	Aniline	1.825	1.618	11.3	49#	0.00
7	S	SURR2,PHENOL-D6	1.526	1.547	-1.4	56	0.00
8	TMC	Phenol	1.692	1.676	0.9	55	0.00
9	T	bis(2-Clethyl)Ether	1.245	1.227	1.4	55	0.00
10	TM	2-Chlorophenol	1.299	1.357	-4.5	58	0.00
11	T	1,3-Diclbenzene	1.538	1.573	-2.3	57	0.00
12	TMC	1,4-Dichlorobenzene	1.547	1.588	-2.7	58	0.00
13	T	1,2-Diclbenzene	1.462	1.501	-2.7	58	0.00
14	T	Benzyl Alcohol	1.083	1.172	-8.2	59	0.00
15	T	2,2'-oxybis(1-Chloropropane	1.433	1.225	14.5	47#	0.00
16	T	2-Methylphenol	1.206	1.211	-0.4	56	0.00
17	T	Acetophenone	1.768	1.898	-7.4	60	0.00
18	TMP	N-Nitroso-Di-n-propylamine	0.949	0.999	-5.3	59	0.00
19	T	Hexachloroethane	0.620	0.677	-9.2	61	0.00
20	T	4-Methylphenol	1.263	1.296	-2.6	57	0.00
21	T	1-Methyl-2-pyrrolidinone	0.864	0.877	-1.5	57	0.00
22	IR	d8-Naphthalene	1.000	1.000	0.0	58	-0.01
23	S	SURR4,NITROBENZENE-D5	0.382	0.405	-6.0	60	0.00
24	T	Nitrobenzene	0.386	0.401	-3.9	60	0.00
25	T	Isophorone	0.590	0.608	-3.1	59	0.00
26	TC	2-Nitrophenol	0.199	0.202	-1.5	57	0.00
27	T	Benzoic Acid	0.151	0.150	0.7	58	0.00
28	T	2,4-Dimethylphenol	0.342	0.363	-6.1	61	0.00
29	T	bis(-2-Chloroethoxy)Methane	0.413	0.413	0.0	57	0.00
30	TC	2,4-Dichlorophenol	0.299	0.303	-1.3	57	0.00
31	TM	1,2,4-Trichlorobenzene	0.346	0.345	0.3	58	0.00
32	T	Naphthalene	0.990	1.032	-4.2	60	0.00
33	T	4-Chloroaniline	0.412	0.398	3.4	55	0.00
34	TC	Hexachlorobutadiene	0.214	0.223	-4.2	59	-0.01
35	TMC	4-Chloro-3-methylphenol	0.301	0.315	-4.7	60	0.00
36	T	Caprolactam	0.109	0.113	-3.7	57	-0.01
37	T	2-Methylnaphthalene	0.678	0.714	-5.3	60	-0.02
38	T	1-Methylnaphthalene	0.698	0.738	-5.7	60	-0.01
39	IR	d10-Acenaphthene	1.000	1.000	0.0	58	-0.03

(#) = Out of Range

01140

Evaluate Continuing Calibration Report

Data File : J:\ACQUDATA\5973A\DATA\122707\BQ682.D Vial: 1
Acq On : 27 Dec 2007 10:24 am Operator: Z.Miao
Sample : CALIBRATION CHECK Inst : 5973-A
Misc : 80 PPM STD 8270/625 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : J:\ACQUDATA\5973A\METHODS\82701113.M (RTE Integrator)
Title : 8270 BNA ANALYSIS
Last Update : Mon Dec 10 15:58:21 2007
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF		%Dev	Area%	Dev(min)
40	TP	Hexachlorocyclopentadiene	0.321	0.233		27.4#	40#	-0.02
41	TC	2,4,6-Trichlorophenol	0.375	0.391		-4.3	59	-0.01
42	T	2,4,5-Trichlorophenol	0.393	0.403		-2.5	58	-0.01
43	S	SURR5,2-FLUOROBIPHENYL	1.327	1.361		-2.6	60	-0.02
44	T	1,1'-Biphenyl	1.528	1.592		-4.2	60	-0.02
45	T	2-Chloronaphthalene	1.117	1.149		-2.9	60	-0.02
46	T	2-Nitroaniline	0.348	0.362		-4.0	61	-0.02
47	T	Acenaphthylene	1.687	1.771		-5.0	60	-0.02
48	T	Dimethyl phthalate	1.230	1.307		-6.3	62	-0.02
49	T	2,6-Dinitrotoluene	0.308	0.323		-4.9	60	-0.02
50	TMC	Acenaphthene	1.166	1.230		-5.5	61	-0.02
51	T	3-Nitroaniline	0.329	0.334		-1.5	59	-0.02
52	TP	2,4-Dinitrophenol	0.108	0.101		6.5	58	-0.02
53	T	Dibenzofuran	1.609	1.681		-4.5	60	-0.03
54	TM	2,4-Dinitrotoluene	0.383	0.405		-5.7	60	-0.02
55	TMP	4-Nitrophenol	0.228	0.218		4.4	56	-0.01
56	T	Fluorene	1.336	1.384		-3.6	60	-0.03
57	T	4-Chlorophenyl-phenylether	0.685	0.689		-0.6	60	-0.03
58	T	Diethylphthalate	1.209	1.348		-11.5	65	-0.03
59	T	4-Nitroaniline	0.309	0.329		-6.5	60	-0.02
60	S	SURR3,2,4,6-TRIBROMOPHENOL	0.230	0.239		-3.9	58	-0.03
61	IR	d10-Phenanthrene	1.000	1.000		0.0	66	-0.04
62	T	1-Phenyl-1(4-methyl-phenyl)	0.489	0.450		8.0	61	-0.03
63	T	4,6-Dinitro-2-methylphenol	0.125	0.111		11.2	60	-0.02
64	T	1,2 Diphenylhydrazine	0.756	0.704		6.9	61	-0.03
65	TC	N-Nitrosodiphenylamine	0.618	0.562		9.1	60	-0.03
66	T	4-Bromophenyl-phenylether	0.239	0.216		9.6	60	-0.03
67	T	1-Phenyl-1(2,4-dimethylphen	0.593	0.558		5.9	62	-0.03
68	T	Hexachlorobenzene	0.271	0.263		3.0	65	-0.03
69	T	Atrazine	0.117	0.088		24.8#	50#	-0.03
70	TCM	Pentachlorophenol	0.095	0.081		14.7	62	-0.03
71	T	Phenanthrene	1.032	1.051		-1.8	67	-0.03
72	T	Anthracene	1.028	1.046		-1.8	67	-0.03
73	T	Carbazole	0.919	0.961		-4.6	68	-0.03
74	T	Di-n-butylphthalate	1.060	1.154		-8.9	70	-0.04
75	TC	Fluoranthene	1.095	1.286		-17.4	76	-0.04
76	IR	d12-Chrysene	1.000	1.000		0.0	80	-0.08
77	T	Benzidine	0.357	0.167	NJ	53.2#	34#	-0.03
78	TM	Pyrene	1.140	1.084		4.9	78	-0.04

(#) = Out of Range

01141

Evaluate Continuing Calibration Report

Data File : J:\ACQUDATA\5973A\DATA\122707\BQ682.D Vial: 1
Acq On : 27 Dec 2007 10:24 am Operator: Z.Miao
Sample : CALIBRATION CHECK Inst : 5973-A
Misc : 80 PPM STD 8270/625 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : J:\ACQUDATA\5973A\METHODS\82701113.M (RTE Integrator)
Title : 8270 BNA ANALYSIS
Last Update : Mon Dec 10 15:58:21 2007
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
79	S	SURR6,TERPHENYL-D14	0.944	0.886	6.1	77	-0.04
80	T	Butyl benzyl phthalate	0.487	0.469	3.7	76	-0.04
81	T	3,3'-Dichlorobenzidine	0.433	0.448	-3.5	79	-0.07
82	T	Benzo(a)anthracene	1.153	1.186	-2.9	82	-0.08
83	T	Chrysene	1.115	1.127	-1.1	81	-0.08
84	T	bis(2-Ethylhexyl)phthalate	0.650	0.629	3.2	76	-0.08
85	IR	d12-Perylene	1.000	1.000	0.0	79	-0.16
86	TC	Di-n-octyl phthalate	1.065	1.055	0.9	75	-0.13
87	T	Benzo(b)Fluoranthene	1.277	1.306	-2.3	82	-0.15
88	T	Benzo(k)fluoranthene	1.231	1.244	-1.1	79	-0.16
89	TC	Benzo(a)pyrene	1.181	1.212	-2.6	79	-0.16
90	T	Indeno(1,2,3-cd)Pyrene	1.668	1.716	-2.9	81	-0.16
91	T	Dibenz(a,h)anthracene	1.418	1.453	-2.5	80	-0.17
92	T	Benzo(g,h,i)perylene	1.434	1.428	0.4	78	-0.17

01142

Evaluate Continuing Calibration Report

Data File : J:\ACQUDATA\5973A\DATA\122707\BQ682.D Vial: 1
Acq On : 27 Dec 2007 10:24 am Operator: Z.Miao
Sample : CALIBRATION CHECK Inst : 5973-A
Misc : 80 PPM STD 8270/625 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : J:\ACQUDATA\5973A\METHODS\82701113.M (RTE Integrator)
Title : 8270 BNA ANALYSIS
Last Update : Mon Dec 10 15:58:21 2007
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	IR	d4-1,4-Dichlorobenzene	40.000	40.000	0.0	56	0.00
2	T	Pyridine	80.000	81.595	-2.0	57	-0.05
3	T	N-Nitrosodimethylamine	80.000	83.030	-3.8	58	-0.04
4	S	SURR1,2-FLUOROPHENOL	80.000	77.245	3.4	53	0.00
5	T	Benzaldehyde	80.000	60.871	23.9#	37	0.00
6	T	Aniline	80.000	70.921	11.3	49	0.00
7	S	SURR2,PHENOL-D6	80.000	81.106	-1.4	56	0.00
8	TMC	Phenol	80.000	79.248	0.9	55	0.00
9	T	bis(2-Clethyl)Ether	80.000	78.836	1.5	55	0.00
10	TM	2-Chlorophenol	80.000	83.565	-4.5	58	0.00
11	T	1,3-Diclbenzene	80.000	81.824	-2.3	57	0.00
12	TMC	1,4-Dichlorobenzene	80.000	82.075	-2.6	58	0.00
13	T	1,2-Diclbenzene	80.000	82.154	-2.7	58	0.00
14	T	Benzyl Alcohol	80.000	86.534	-8.2	59	0.00
15	T	2,2'-oxybis(1-Chloropropane	80.000	68.375	14.5	47	0.00
16	T	2-Methylphenol	80.000	80.281	-0.4	56	0.00
17	T	Acetophenone	80.000	85.892	-7.4	60	0.00
18	TMP	N-Nitroso-Di-n-propylamine	80.000	84.278	-5.3	59	0.00
19	T	Hexachloroethane	80.000	87.436	-9.3	61	0.00
20	T	4-Methylphenol	80.000	82.087	-2.6	57	0.00
21	T	1-Methyl-2-pyrrolidinone	80.000	81.220	-1.5	57	0.00
22	IR	d8-Naphthalene	40.000	40.000	0.0	58	-0.01
23	S	SURR4,NITROBENZENE-D5	80.000	84.882	-6.1	60	0.00
24	T	Nitrobenzene	80.000	83.185	-4.0	60	0.00
25	T	Isophorone	80.000	82.531	-3.2	59	0.00
26	TC	2-Nitrophenol	80.000	81.176	-1.5	57	0.00
27	T	Benzoic Acid	80.000	82.297	-2.9	58	0.00
28	T	2,4-Dimethylphenol	80.000	84.979	-6.2	61	0.00
29	T	bis(-2-Chloroethoxy)Methane	80.000	79.960	0.1	57	0.00
30	TC	2,4-Dichlorophenol	80.000	81.202	-1.5	57	0.00
31	TM	1,2,4-Trichlorobenzene	80.000	79.698	0.4	58	0.00
32	T	Naphthalene	80.000	83.386	-4.2	60	0.00
33	T	4-Chloroaniline	80.000	77.379	3.3	55	0.00
34	TC	Hexachlorobutadiene	80.000	83.296	-4.1	59	-0.01
35	TMC	4-Chloro-3-methylphenol	80.000	83.733	-4.7	60	0.00
36	T	Caprolactam	80.000	83.352	-4.2	57	-0.01
37	T	2-Methylnaphthalene	80.000	84.318	-5.4	60	-0.02
38	T	1-Methylnaphthalene	80.000	84.563	-5.7	60	-0.01
39	IR	d10-Acenaphthene	40.000	40.000	0.0	58	-0.03

(#) = Out of Range

01143

Evaluate Continuing Calibration Report

Data File : J:\ACQUDATA\5973A\DATA\122707\BQ682.D Vial: 1
Acq On : 27 Dec 2007 10:24 am Operator: Z.Miao
Sample : CALIBRATION CHECK Inst : 5973-A
Misc : 80 PPM STD 8270/625 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : J:\ACQUDATA\5973A\METHODS\82701113.M (RTE Integrator)
Title : 8270 BNA ANALYSIS
Last Update : Mon Dec 10 15:58:21 2007
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.		%Dev	Area%	Dev(min)
40	TP	Hexachlorocyclopentadiene	80.000	56.074		29.9#	40	-0.02
41	TC	2,4,6-Trichlorophenol	80.000	83.485		-4.4	59	-0.01
42	T	2,4,5-Trichlorophenol	80.000	82.003		-2.5	58	-0.01
43	S	SURR5,2-FLUOROBIPHENYL	80.000	82.058		-2.6	60	-0.02
44	T	1,1'-Biphenyl	80.000	83.310		-4.1	60	-0.02
45	T	2-Chloronaphthalene	80.000	82.279		-2.8	60	-0.02
46	T	2-Nitroaniline	80.000	83.336		-4.2	61	-0.02
47	T	Acenaphthylene	80.000	83.979		-5.0	60	-0.02
48	T	Dimethyl phthalate	80.000	85.021		-6.3	62	-0.02
49	T	2,6-Dinitrotoluene	80.000	83.987		-5.0	60	-0.02
50	TMC	Acenaphthene	80.000	84.427		-5.5	61	-0.02
51	T	3-Nitroaniline	80.000	81.135		-1.4	59	-0.02
52	TP	2,4-Dinitrophenol	80.000	79.971		0.0	58	-0.02
53	T	Dibenzofuran	80.000	83.572		-4.5	60	-0.03
54	TM	2,4-Dinitrotoluene	80.000	84.622		-5.8	60	-0.02
55	TMP	4-Nitrophenol	80.000	76.517		4.4	56	-0.01
56	T	Fluorene	80.000	82.898		-3.6	60	-0.03
57	T	4-Chlorophenyl-phenylether	80.000	80.455		-0.6	60	-0.03
58	T	Diethylphthalate	80.000	89.249		-11.6	65	-0.03
59	T	4-Nitroaniline	80.000	85.022		-6.3	60	-0.02
60	S	SURR3,2,4,6-TRIBROMOPHENOL	80.000	78.445		1.9	58	-0.03
61	IR	d10-Phenanthrene	40.000	40.000		0.0	66	-0.04
62	T	1-Phenyl-1(4-methyl-phenyl)	80.000	73.577		8.0	61	-0.03
63	T	4,6-Dinitro-2-methylphenol	80.000	70.673		11.7	60	-0.02
64	T	1,2 Diphenylhydrazine	80.000	74.437		7.0	61	-0.03
65	TC	N-Nitrosodiphenylamine	80.000	72.732		9.1	60	-0.03
66	T	4-Bromophenyl-phenylether	80.000	72.213		9.7	60	-0.03
67	T	1-Phenyl-1(2,4-dimethylphen	80.000	75.284		5.9	62	-0.03
68	T	Hexachlorobenzene	80.000	77.656		2.9	65	-0.03
69	T	Atrazine	80.000	59.832		25.2#	50	-0.03
70	TCM	Pentachlorophenol	80.000	75.114		6.1	62	-0.03
71	T	Phenanthrene	80.000	81.444		-1.8	67	-0.03
72	T	Anthracene	80.000	81.440		-1.8	67	-0.03
73	T	Carbazole	80.000	83.656		-4.6	68	-0.03
74	T	Di-n-butylphthalate	80.000	87.144		-8.9	70	-0.04
75	TC	Fluoranthene	80.000	93.997		-17.5	76	-0.04
76	IR	d12-Chrysene	40.000	40.000		0.0	80	-0.08
77	T	Benzidine	80.000	37.483	NT	53.1#	34	-0.03
78	TM	Pyrene	80.000	76.045		4.9	78	-0.04

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : J:\ACQUDATA\5973A\DATA\122707\BQ682.D Vial: 1
Acq On : 27 Dec 2007 10:24 am Operator: Z.Miao
Sample : CALIBRATION CHECK Inst : 5973-A
Misc : 80 PPM STD 8270/625 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : J:\ACQUDATA\5973A\METHODS\82701113.M (RTE Integrator)
Title : 8270 BNA ANALYSIS
Last Update : Mon Dec 10 15:58:21 2007
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
79	S	SURR6,TERPHENYL-D14	80.000	75.070	6.2	77	-0.04
80	T	Butyl benzyl phthalate	80.000	77.009	3.7	76	-0.04
81	T	3,3'-Dichlorobenzidine	80.000	82.677	-3.3	79	-0.07
82	T	Benzo(a)anthracene	80.000	82.260	-2.8	82	-0.08
83	T	Chrysene	80.000	80.844	-1.1	81	-0.08
84	T	bis(2-Ethylhexyl)phthalate	80.000	77.355	3.3	76	-0.08
85	IR	d12-Perylene	40.000	40.000	0.0	79	-0.16
86	TC	Di-n-octyl phthalate	80.000	79.217	1.0	75	-0.13
87	T	Benzo(b)Fluoranthene	80.000	81.808	-2.3	82	-0.15
88	T	Benzo(k)fluoranthene	80.000	80.796	-1.0	79	-0.16
89	TC	Benzo(a)pyrene	80.000	82.118	-2.6	79	-0.16
90	T	Indeno(1,2,3-cd)Pyrene	80.000	82.300	-2.9	81	-0.16
91	T	Dibenz(a,h)anthracene	80.000	81.954	-2.4	80	-0.17
92	T	Benzo(g,h,i)perylene	80.000	79.667	0.4	78	-0.17

01145

Nonconformances - CAS SDG R2741275

COLUMBIA ANALYTICAL SERVICES

QUALITY CONTROL SUMMARY MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY
SOIL/SEDIMENT

Spiked Order No. : 1061525 ENSR International

Client ID: SD22 (13-15)

Test: 8260B

Analytical Units: UG/KG

Run Number : 155357

Percent Solid : 34.0

ANALYTE	SPIKE ADDED	CONCENT. SAMPLE	MATRIX SPIKE FOUND	MATRIX SPIKE % REC.	MATRIX SPIKE DUP. FOUND	MATRIX SPIKE DUP. % REC.	RPD	QC LIMITS RPD	QC LIMITS REC.
ACETONE	147	55.9	353	202 *	471	282 *	29	30	50 - 150
BENZENE	147	0	129	88	144	98	11	30	70 - 130
BROMODICHLOROMETHANE	147	0	118	80	135	92	13	30	70 - 130
BROMOFORM	147	0	85.3	58 *	106	72	22	30	70 - 130
BROMOMETHANE	147	0	55.9	38 *	58.8	40 *	5	30	50 - 150
2-BUTANONE (MEK)	147	12.6	159	100	194	123	20	30	50 - 150
METHYL-TERT-BUTYL ETHER	147	0	147	100	176	120	18	30	70 - 130
CARBON DISULFIDE	147	2.06	144	97	176	118	20	30	70 - 130
CARBON TETRACHLORIDE	147	0	106	72	129	88	20	30	70 - 130
CHLOROBENZENE	147	0	103	70	115	78	11	30	70 - 130
CHLOROETHANE	147	0	141	96	179	122	24	30	70 - 130
CHLOROFORM	147	0	138	94	168	114	20	30	70 - 130
CHLOROMETHANE	147	0	138	94	165	112	18	30	70 - 130
1,2-DIBROMO-3-CHLOROPROPAN	147	0	91.2	62	106	72	15	30	50 - 150
CYCLOHEXANE	147	0	109	74	121	82	10	30	70 - 130
DIBROMOCHLOROMETHANE	147	0	124	84	138	94	11	30	70 - 130
1,2-DIBROMOETHANE	147	0	100	68 *	126	86	23	30	70 - 130
1,3-DICHLOROBENZENE	147	0	88.2	60 *	97.1	66 *	10	30	70 - 130
1,4-DICHLOROBENZENE	147	0	88.2	60 *	91.2	62 *	3	30	70 - 130
1,2-DICHLOROBENZENE	147	0	91.2	62 *	97.1	66 *	6	30	70 - 130
DICHLORODIFLUOROMETHANE	147	0	179	122	218	148 *	20	30	70 - 130
1,1-DICHLOROETHANE	147	0	150	102	176	120	16	30	70 - 130
1,2-DICHLOROETHANE	147	0	126	86	141	96	11	30	70 - 130
1,1-DICHLOROETHENE	147	0	141	96	171	116	19	30	70 - 130
CIS-1,2-DICHLOROETHENE	147	0	126	86	147	100	15	30	70 - 130
TRANS-1,2-DICHLOROETHENE	147	0	100	68	112	76	11	30	70 - 130
1,2-DICHLOROPROPANE	147	0	135	92	153	104	13	30	70 - 130
CIS-1,3-DICHLOROPROPENE	147	0	41.2	28 *	35.3	24 *	15	30	70 - 130
TRANS-1,3-DICHLOROPROPENE	147	0	52.9	36 *	55.9	38 *	6	30	70 - 130
ETHYLBENZENE	147	0	121	82	135	92	11	30	70 - 130
2-HEXANONE	147	0	115	78	138	94	18	30	70 - 130
ISOPROPYLBENZENE	147	0	106	72	121	82	13	30	70 - 130

QUALITY CONTROL SUMMARY MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

SOIL/SEDIMENT

Spiked Order No. : 1061525 ENSR International

Client ID: SD22 (13-15)

Test: 8260B

Analytical Units: UG/KG

Run Number : 155357

Percent Solid : 34.0

ANALYTE	SPIKE ADDED	CONCENT. SAMPLE	MATRIX SPIKE FOUND	MATRIX SPIKE % REC.	MATRIX SPIKE DUP. FOUND	MATRIX SPIKE DUP. % REC.	RPD	QC LIMITS RPD	QC LIMITS REC.
METHYL ACETATE	147	0	121	82	132	90	9	30	50 - 150
METHYLCYCLOHEXANE	147	0	79.4	54	85.3	58	7	30	50 - 150
METHYLENE CHLORIDE	147	0	150	102	168	114	11	30	70 - 130
4-METHYL-2-PENTANONE (MIBK	147	0	144	98	174	118	19	30	70 - 130
STYRENE	147	0	35.3	24 *	32.4	22 *	9	30	70 - 130
1,1,2,2-TETRACHLOROETHANE	147	0	159	108	191	130	18	30	70 - 130
TETRACHLOROETHENE	147	0	118	80	126	86	7	30	70 - 130
TOLUENE	147	1.24	141	95	168	113	17	30	70 - 130
1,2,4-TRICHLOROBENZENE	147	0	41.2	28 *	41.2	28 *	0	30	70 - 130
1,1,1-TRICHLOROETHANE	147	0	147	100	171	116	15	30	70 - 130
1,1,2-TRICHLOROETHANE	147	0	141	96	162	110	14	30	70 - 130
TRICHLOROETHENE	147	0	109	74	115	78	5	30	70 - 130
TRICHLOROFLUOROMETHANE	147	0	171	116	194	132*	13	30	70 - 130
1,1,2-TRICHLORO1,2,2-TRIFL	147	0	153	104	168	114	9	30	70 - 130
VINYL CHLORIDE	147	0	138	94	168	114	20	30	70 - 130
O-XYLENE	147	0	112	76	126	86	12	30	70 - 130
M+P-XYLENE	294	0	224	76	253	86	12	30	70 - 130

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CASROCH Contract: ENSR

Lab Code: 10145 Case No.: R7-41275 SAS No.: _____ SDG No.: SD1 8-8.5

Lab File ID (Standard): Q8814.D Date Analyzed: 12/14/07

Instrument ID: MSVOA7 Time Analyzed: 10:17

GC Column: DB624 ID: 0.25 (mm) Heated Purge (Y/N): Y

		IS4 AREA #	RT #	AREA #	RT #	AREA #	RT #
	12 HOUR STD	254425	22.58				
	UPPER LIMIT	508850	22.08				
	LOWER LIMIT	127213	23.08				
	EPA SAMPLE NO.						
01	LCS2	243351	22.57				
02	METBLK2	251327	22.57				
03	SD22 13-15	226332	22.56				
04	SD22 7-9	165559	22.56				
05	SD23 3-5	142856	22.55				
06	SD22 13-15 MS	94348 *	22.54				
07	SD22 13-15 MSD	81867 *	22.54				

IS1 = Pentafluorobenzene
IS2 = 1,4 - Difluorobenzene
IS3 = d5 - Chlorobenzene
IS4 = d4 - Dichlorobenzene

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk.
* Values outside of contract required QC limits

Evaluate Continuing Calibration Report

Data File : J:\ACQUDATA\MSVOA3\DATA\121707\V1328.D
Acq On : 17 Dec 107 12:08 pm
Sample : CCV
Misc :

Vial: 1
Operator: D.Zimpfer
Inst : MS #3
Multiplr: 1.00

Method : J:\ACQUDATA\MSVOA3\METHODS\WAT1130.M
Title : 8260voa
Last Update : Tue Dec 11 12:00:03 2007
Response via : Multiple Level Calibration

D12/17

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF		%Dev	Area%	Dev(min)
1		Pentafluorobenzene	1.000	1.000		0.0	86	0.00
2		Dichlorodifluoromethane	0.584	0.481	24.5	~~17.5~~	75	0.00
3	p	Chloromethane	0.973	0.882		9.4	86	0.00
4	c	Vinyl Chloride	0.829	0.808		2.5	96	0.00
5		Bromomethane	0.432	0.337		22.2	76	0.00
6		Chloroethane	0.525	0.484		7.7	94	0.00
7		FREON 21	1.493	1.410		5.5	87	0.00
8		Trichlorofluoromethane	0.783	0.651		16.8	86	0.00
9		Diethyl Ether	0.715	0.635		11.2	84	0.00
10		FREON 123A	0.909	0.875		3.7	97	0.00
11		Acrolein	0.155	0.095		38.9#	50#	0.00 Act TCL4
12		FREON 113	0.244	0.213	0.24	~~12.8~~	104	0.00
13		FREON 123	0.942	0.936		0.6	100	0.00
14	c	1,1-Diclethene	0.474	0.450		5.0	98	0.00
15		Acetone	0.351	0.285		18.6	81	0.00
16		Iodomethane	0.137	0.158	24.02	~~15.6~~	86	0.00
17		Carbon Disulfide	2.352	2.187		7.0	81	0.00
18		2-PROPANOL	0.076	0.079		-4.0	84	0.01
19		Allyl Chloride	0.368	0.354		3.9	96	0.00
20		Methyl Acetate	1.176	1.206		-2.5	90	0.00
21		Methylene Chloride	0.703	0.674		4.1	96	0.00
22		TBA	0.110	0.102		7.3	80	0.00
23		Acrylonitrile	0.362	0.354		2.1	82	0.00
24		Methyl-t-Butyl Ether	2.084	1.943		6.8	84	0.00
25		trans-1,2-Dichloroethene	0.604	0.612		-1.3	101	0.00
26	p	1,1-Diclethane	1.317	1.226		6.9	95	0.00
27		Vinyl Acetate	1.497	1.180		21.1	76	0.00
28		2-Chloro-1,3-butadiene	1.199	1.067		11.0	76	0.00
29		2,2-Dichloropropane	1.067	0.823	10.46	~~22.8~~	97	0.04
30		2-Butanone	0.613	0.544		11.2	82	0.00
31		cis-1,2-Dichloroethene	0.671	0.662		1.3	97	0.00
32		Propionitrile	0.132	0.127		4.0	86	0.00
33		Methacrylonitrile	0.351	0.333		5.2	85	0.00
34		Bromochloromethane	0.311	0.327		-5.1	102	0.00
35	c	Chloroform	1.112	1.025		7.7	94	0.00
36		Tetrahydrofuran	0.374	0.319		14.8	75	0.00
37		1,1,1-Trichloroethane	0.794	0.722		9.0	98	0.00
38	I	1,4 - Difluorobenzene	1.000	1.000		0.0	86	0.00
39	s	surr4,Dibrflmethane	0.331	0.331		-0.1	88	0.00
40		cyclohexane	0.857	0.755	0.86	~~11.9~~	98	0.00
41		Carbontetrachloride	0.365	0.340		6.8	102	0.00

(#) = Out of Range

00127

Evaluate Continuing Calibration Report

Data File : J:\ACQUDATA\MSVOA3\DATA\121707\V1328.D Vial: 1
Acq On : 17 Dec 107 12:08 pm Operator: D.Zimpfer
Sample : CCV Inst : MS #3
Misc : Multiplr: 1.00

Method : J:\ACQUDATA\MSVOA3\METHODS\WAT1130.M
Title : 8260voa
Last Update : Tue Dec 11 12:00:03 2007
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
42		1,1-Dichloropropene	0.522	0.498	4.7	104	0.00
43		Iso-Butyl Alcohol	0.034	0.033	3.7	84	0.00
44		Benzene	1.494	1.435	3.9	99	0.00
45	S	surr1,1,2-Diclethane	0.413	0.361	12.6	77	0.00
46		1,2-Dichloroethane	0.503	0.457	9.2	83	0.00
47		N-Heptane	0.563	0.457	18.8	113	0.00
48		Trichloroethene	0.340	0.319	6.1	98	0.00
49		methylcycloh	0.557	0.474	~~-14.9~~	100	0.00
50	c	1,2-Diclpropane	0.447	0.422	5.6	95	0.00
51		Methyl Methacrylate	0.354	0.341	3.6	88	0.00
52		1,4-Dioxane	0.004	0.004	-0.6	87	0.00
53		Dibromomethane	0.238	0.237	0.4	95	0.00
54		Bromodichloromethane	0.475	0.449	5.5	93	0.00
55		2-Nitropropane	0.169	0.150	11.4	81	0.00
56		2-Chloroethylvinyl Ether	0.203	0.210	~~-3.2~~	73	0.00
57		cis-1,3-Dichloropropene	0.643	0.624	2.9	91	0.00
58	I	d5 - Chlorobenzene	1.000	1.000	0.0	83	0.00
59		4-Methyl-2-Pentanone	0.849	0.763	10.1	80	0.00
60	c	Toluene	1.598	1.562	2.2	101	0.00
61		trans-1,3-Dichloropropene	0.683	0.664	2.8	88	0.00
62		Ethyl Methacrylate	0.769	0.739	3.8	89	0.00
63		1,1,2-Trichloroethane	0.341	0.332	2.6	92	0.00
64	s	surr3,Toluene-d8	1.406	1.385	1.4	82	0.00
65	s	surr2,bfb	0.500	0.497	0.7	82	0.00
66		Tetrachloroethene	0.311	0.335	-7.9	116	0.00
67		2-Hexanone	0.584	0.534	8.5	81	0.00
68		1,3-Diclpropane	0.786	0.744	5.2	91	0.00
69		Dibromochloromethane	0.377	0.401	-6.5	97	0.00
70		1,2-Dibromoethane	0.396	0.393	0.8	92	0.00
71	p	Chlorobenzene	0.969	0.973	-0.4	101	0.00
72		1,1,1,2-Tetrachloroethane	0.325	0.322	1.0	99	0.00
73	c	Ethylbenzene	1.700	1.645	3.3	103	0.00
74		(m+p)Xylene	0.596	0.601	-0.7	107	0.00
75		o-Xylene	0.592	0.579	2.2	104	0.00
76		Styrene	1.026	1.009	1.6	95	0.00
77	p	Bromoform	0.233	0.262	-12.3	101	0.00
78		Isopropylbenzene	1.359	1.314	3.3	110	0.00
79		Cyclohexanone	0.111	0.106	5.0	79	0.00
80	I	d4 - Dichlorobenzene	1.000	1.000	0.0	88	0.00
81	p	1,1,2,2-Tetrachloroethane	1.342	1.298	3.3	95	0.00

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : J:\ACQUDATA\MSVOA3\DATA\121707\V1328.D Vial: 1
Acq On : 17 Dec 107 12:08 pm Operator: D.Zimpfer
Sample : CCV Inst : MS #3
Misc : Multiplr: 1.00

Method : J:\ACQUDATA\MSVOA3\METHODS\WAT1130.M
Title : 8260voa
Last Update : Tue Dec 11 12:00:03 2007
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
82	Trans-1,4-Dichloro-2-butene	0.419	0.355	15.2	80	0.00
83	1,2,3-Trichloropropane	0.347	0.333	4.1	97	0.00
84	n-Propylbenzene	4.070	3.813	6.3	112	0.00
85	Bromobenzene	0.841	0.875	-4.1	107	0.00
86	1,3,5-Trimethylbenzene	2.576	2.339	9.2	107	0.00
87	2-Chlorotoluene	2.590	2.325	10.2	104	0.00
88	4-Chlorotoluene	2.971	2.621	11.8	98	0.00
89	tert-Butylbenzene	1.979	1.878	5.1	116	0.00
90	1,2,4-Trimethylbenzene	2.532	2.358	6.9	105	0.00
91	sec-Butylbenzene	2.752	2.576	6.4	117	0.00
92	p-Isopropyltoluene	2.349	2.221	5.4	114	0.00
93	1,3-Dclbenz	1.425	1.433	-0.6	110	0.00
94	1,4-Dclbenz	1.414	1.469	-3.9	113	0.00
95	n-Butylbenzene	2.153	1.995	7.3	114	0.00
96	1,2-Dclbenz	1.425	1.463	-2.6	112	0.18
97	1,2-Dibromo-3-chloropropane	0.201	0.213	-6.0	93	0.00
98	Nitrobenzene	0.000	0.114	0.0	0#	0.00
99	1,2,4-Tcbenzene	0.635	0.702	-10.5	110	0.00
00	Hexachlorobt	0.211	0.249 -3.42	~~-18.0~~	111	0.01
01	Naphthalen	1.940	2.268 9.50	~~-16.9~~	96	0.00
02	1,2,3-Tclbenzene	0.601	0.666	-10.8	110	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Sample : CCV
Data File : J:\ACQUDATA\msvoa10\data\121807\A7079.D Vial: 24
Acq On : 18 Dec 2007 10:30 pm
Operator : B.ALLGEIER
InstName : MSVOA10
Misc :

Quant Time: Dec 18 22:46:06 2007
Quant Method : J:\ACQUDATA\MSVOA10\METHODS\WAT1212.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Thu Dec 13 10:14:28 2007
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	96	0.00
2		Dichlorodifluoromethane	0.423	0.408	3.5	89	0.00
3		Freon 114	0.000	0.000	0.0	89	0.00
4	p	Chloromethane	0.453	0.395	12.8	87	0.00
5	c	Vinyl Chloride	0.434	0.419	3.5	95	0.00
6		Bromomethane	0.180	0.200	-11.1	107	0.00
7		Chloroethane	0.220	0.231	-5.0	102	0.00
8		Freon 21	0.744	0.757	-1.7	95	0.00
9		Trichlorofluoromethane	0.497	0.561	-12.9	110	0.00
10		Diethyl Ether	0.235	0.236	-0.4	97	0.00
11		Freon 123a	0.391	0.381	2.6	92	0.00
12		Freon 123	0.467	0.475	-1.7	94	0.00
13		Acrolein	0.025	0.020	20.0#	71	0.00
14	c	1,1-Diclethene	0.306	0.337	-10.1	110	0.00
15		Freon 113	0.334	0.351	-5.1	103	0.00
16		Acetone	0.073	0.083	-13.7	108	0.00
17		2-Propanol	0.018	0.019	-5.6	96	0.00
18		Iodomethane	0.314	0.349	~~-11.1~~	99	0.00
19		Carbon Disulfide	1.245	1.495	-20.1#	120	0.00
20		Acetonitrile	0.022	0.024	-9.1	109	0.00
21		Allyl Chloride	0.631	0.658	-4.3	99	0.00
22		Methyl Acetate	0.292	0.315	-7.9	105	0.00
23		Methylene Chloride	0.427	0.458	-7.3	114	0.00
24		TBA	0.028	0.026	7.1	94	0.00
25		Acrylonitrile	0.110	0.124	-12.7	111	0.00
26		Methyl-t-Butyl Ether	0.967	1.059	-9.5	106	0.00
27		trans-1,2-Dichloroethene	0.381	0.432	-13.4	113	0.00
28	p	1,1-Diclethane	0.744	0.848	-14.0	113	0.00
29		Vinyl Acetate	0.942	0.244	74.1#	24#	-0.01
30		DIPE	~~1.361~~	~~0.002~~	~~99.9#~~	~~0#~~	~~-0.02~~
31		2-Chloro-1,3-Butadiene	0.608	0.712	-17.1	116	0.00
32		ETBE	~~1.207~~	~~0.000~~	~~100.0#~~	~~0#~~	~~-3.52#~~
33		2,2-Dichloropropane	0.528	0.472	10.6	87	0.00
34		cis-1,2-Dichloroethene	0.420	0.471	-12.1	112	0.00
35		2-Butanone	0.132	0.140	-6.1	104	0.00
36		Ethyl Acetate	0.000	0.000	0.0	104	0.00
37		Propionitrile	0.041	0.045	-9.8	106	0.00
38		Bromochloromethane	0.235	0.257	-9.4	107	0.00
39		Methacrylonitrile	0.127	0.140	-10.2	107	0.00
40		Tetrahydrofuran	0.087	0.087	0.0	97	0.00
41	c	Chloroform	0.691	0.812	-17.5	118	0.00
42		1,1,1-Trichloroethane	0.558	0.634	-13.6	114	0.00
43		TAME	~~0.983~~	~~0.000~~	~~100.0#~~	~~0#~~	~~-5.21#~~
44	I	1,4-Difluorobenzene	1.000	1.000	0.0	104	0.00
45		Cyclohexane	0.251	0.225	10.4	91	0.00
46	s	surr4,Dibrflmethane	0.269	0.312	-16.0	111	0.00
47		Carbontetrachloride	0.085	0.099	-16.5	118	0.00

00447

Evaluate Continuing Calibration Report

Sample : CCV
Data File : J:\ACQUDATA\msvoa10\data\121807\A7079.D Vial: 24
Acq On : 18 Dec 2007 10:30 pm
Operator : B.ALLGEIER
InstName : MSVOA10
Misc :

Quant Time: Dec 18 22:46:06 2007
Quant Method : J:\ACQUDATA\MSVOA10\METHODS\WAT1212.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Thu Dec 13 10:14:28 2007
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
8		1,1-Dichloropropene	0.358	0.377	-5.3	113	0.00
9	s	surr1,1,2-dichloroethane-d4	0.289	0.344	-19.0	114	0.00
0		Benzene	1.068	1.101	-3.1	113	0.00
1		1,2-Dichloroethane	0.311	0.336	-8.0	116	0.00
2		Iso-Butyl Alcohol	0.008	0.007	12.5	92	0.00
3		n-Heptane	0.340	0.316	7.1	100	0.00
4		Trichloroethene	0.257	0.255	0.8	109	0.00
5		Methylcyclohexane	0.368	0.343	6.8	95	0.00
6	c	1,2-Diclpropane	0.283	0.301	-6.4	114	0.00
7		Dibromomethane	0.138	0.148	-7.2	114	0.00
8		1,4-Dioxane	0.002	0.002	0.0	102	0.00
9		Methyl Methacrylate	0.135	0.138	-2.2	105	0.00
0		Bromodichloromethane	0.308	0.350	-13.6	117	0.00
1		2-Nitropropane	0.000	0.000	0.0	90	0.00
2		2-Chloroethylvinyl Ether	0.135	0.136	-0.7	104	0.00
3		cis-1,3-Dichloropropene	0.397	0.408	-2.8	106	0.00
4		4-Methyl-2-pentanone	0.172	0.164	4.7	98	0.00
5	s	SURR3,Toluene-d8	1.069	1.247	-16.7	109	0.00
6	c	Toluene	1.080	1.121	-3.8	112	0.00
7		trans-1,3-Dichloropropene	0.332	0.344	-3.6	104	0.00
8		Ethyl Methacrylate	0.269	0.288	-7.1	107	0.00
9		1,1,2-Trichloroethane	0.193	0.202	-4.7	112	0.00
0	s	SURR2,BFB	0.435	0.524	-20.5#	114	0.00
1	I	d5-Chlorobenzene	1.000	1.000	0.0	109	0.00
2		Tetrachloroethene	0.231	0.208	10.0	104	0.00
3		2-Hexanone	0.139	0.125	10.1	96	0.00
4		1,3-Dichloropropane	0.406	0.413	-1.7	114	0.00
5		Dibromochloromethane	0.236	0.246	-4.2	110	0.00
6		1,2-Dibromoethane	0.213	0.214	-0.5	110	0.00
7	p	Chlorobenzene	0.797	0.771	3.3	109	0.00
8		1,1,1,2-Tetrachloroethane	0.255	0.258	-1.2	109	0.00
9	c	Ethylbenzene	0.421	0.415	1.4	110	0.00
0		(m+p)Xylene	0.509	0.520	-2.2	112	0.00
1		o-Xylene	0.503	0.501	0.4	110	0.00
2		Styrene	0.829	0.860	-3.7	109	0.00
3	p	Bromoform	0.141	0.133	18.7 ~~-5.7~~	97	0.00
4		Isopropylbenzene	1.255	1.235	1.6	109	0.00
5		Cyclohexanone	0.028	0.028	0.0	111	0.00
6		trans-1,4-Dichloro-2-Butene	0.064	0.046	28.1#	73	0.00
7	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	110	0.00
8	p	1,1,2,2-Tetrachloroethane	0.513	0.506	1.4	109	0.00
9		Bromobenzene	0.629	0.579	7.9	105	0.00
0		4-Ethyltoulene	0.000	0.000	0.0	115	0.00
1		1,2,3-Trichloropropane	0.127	0.126	0.8	109	0.00
2		n-Propylbenzene	2.958	2.977	-0.6	112	0.00
3		2-Chlorotoluene	1.785	1.783	0.1	113	0.00

00448

Evaluate Continuing Calibration Report

Sample : CCV
Data File : J:\ACQUDATA\msvoa10\data\121807\A7079.D Vial: 24
Acq On : 18 Dec 2007 10:30 pm
Operator : B.ALLGEIER
InstName : MSVOA10
Misc :

Quant Time: Dec 18 22:46:06 2007
Quant Method : J:\ACQUDATA\MSVOA10\METHODS\WAT1212.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Thu Dec 13 10:14:28 2007
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
4-Chlorotoluene	2.052	2.118	-3.2	115	0.00
1,3,5-Trimethylbenzene	1.967	2.020	-2.7	111	0.00
tert-Butylbenzene	1.688	1.611	4.6	107	0.00
1,2,4-Trimethylbenzene	2.013	2.019	-0.3	110	0.00
sec-Butylbenzene	2.373	2.318	2.3	109	0.00
p-Isopropyltoluene	2.111	2.057	2.6	108	0.00
1,3-Dclbenz	1.213	1.133	6.6	106	0.00
1,4-Dclbenz	1.246	1.166	6.4	107	0.00
Benzyl Chloride	0.000	0.000	0.0	80	0.00
n-Butylbenzene	1.954	1.996	-2.1	111	0.00
1,2-Dclbenz	1.144	1.126	1.6	109	0.00
1,2-Dibromo-3-chloropropane	0.089	0.080	22.3 ~~-10.1-~~	93	0.00
Nitrobenzene	0.000	0.000	0.0	23#	0.00
1,2,4-Tcbenzene	0.831	0.740	11.0	102	0.00
Hexachlorobt	0.339	0.265	21.8#	98	0.00
Naphthalen	1.573	1.529	2.8	102	0.00
1,2,3-Tclbenzene	0.748	0.659	11.9	101	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

00449

UMBIA ANALYTICAL SERVICES

ITY CONTROL SUMMARY: LABORATORY CONTROL SAMPLE
WATER

Spiked Order No. : 1063018

Dup Spiked Order No. : 1063019

Client ID:

Test: 8270C SEMIVOLATILES

Analytical Units: UG/L

Run Number : 154640

			BLANK SPIKE		BLANK SPIKE DUP.			QC LIMITS	
ANALYTE	SPIKE ADDED	SAMPLE CONCENT.	FOUND	% REC.	FOUND	% REC.	RPD	RPD	REC.
ACENAPHTHENE	100	0	93.0	93	91.0	91	2	30	41 - 121
ACENAPHTHYLENE	100	0	99.0	99	97.0	97	2	30	36 - 125
ACETOPHENONE	100	0	91.0	91	90.0	90	1	30	40 - 150
ANTHRACENE	100	0	100	100	99.0	99	1	30	73 - 130
ATRAZINE	100	0	95.0	95	95.0	95	0	30	40 - 150
BENZALDEHYDE	100	0	170	170*	180	180*	6	30	40 - 150
BENZO(A)ANTHRACENE	100	0	100	100	100	100	0	30	71 - 130
BENZO(A)PYRENE	100	0	98.0	98	99.0	99	1	30	61 - 119
BENZO(B)FLUORANTHENE	100	0	100	100	100	100	0	30	68 - 130
BENZO(G,H,I)PERYLENE	100	0	97.0	97	100	100	3	30	50 - 125
BENZO(K)FLUORANTHENE	100	0	100	100	100	100	0	30	68 - 113
1,1'-BIPHENYL	100	0	90.0	90	89.0	89	1	30	40 - 150
BUTYL BENZYL PHTHALATE	100	0	110	110	110	110	0	30	22 - 141
DI-N-BUTYLPHTHALATE	100	0	110	110	110	110	0	30	46 - 130
CAPROLACTAM	100	0	24.0	24	25.0	25	4	30	8 - 100
CARBAZOLE	100	0	100	100	100	100	0	30	70 - 130
INDENO(1,2,3-CD)PYRENE	100	0	99.0	99	100	100	1	30	70 - 130
4-CHLOROANILINE	100	0	45.0	45	58.0	58	25	30	39 - 107
BIS(-2-CHLOROETHOXY)ME	100	0	96.0	96	94.0	94	2	30	61 - 130
BIS(2-CHLOROETHYL)ETHE	100	0	90.0	90	86.0	86	5	30	55 - 130
2-CHLORONAPHTHALENE	100	0	86.0	86	84.0	84	2	30	52 - 111
2-CHLOROPHENOL	100	0	92.0	92	91.0	91	1	30	16 - 116
2,2'-OXYBIS(1-CHLOROPR	100	0	78.0	78	77.0	77	1	30	10 - 140
CHRYSENE	100	0	100	100	100	100	0	30	61 - 119
DIBENZO(A,H)ANTHRACENE	100	0	98.0	98	100	100	2	30	70 - 130
DIBENZOFURAN	100	0	94.0	94	92.0	92	2	30	70 - 130
3,3'-DICHLOROBENZIDINE	100	0	74.0	74	84.0	84	13	30	48 - 119
2,4-DICHLOROPHENOL	100	0	100	100	99.0	99	1	30	66 - 104
DIETHYLPHTHALATE	100	0	110	110	110	110	0	30	31 - 124
DIMETHYL PHTHALATE	100	0	100	100	100	100	0	30	10 - 121
2,4-DIMETHYLPHENOL	100	0	91.0	91	85.0	85	7	30	31 - 92
2,4-DINITROPHENOL	100	0	110	110	110	110	0	30	21 - 123

JALITY CONTROL SUMMARY: LABORATORY CONTROL SAMPLE
WATER

Spiked Order No. : 1063018

Dup Spiked Order No. : 1063019

Client ID:

Test: 8270C SEMIVOLATILES

Analytical Units: UG/L

Run Number : 154640

			BLANK SPIKE		BLANK SPIKE DUP.			QC LIMITS	
ANALYTE	SPIKE ADDED	SAMPLE CONCENT.	FOUND	% REC.	FOUND	% REC.	RPD	RPD	REC.
2,4-DINITROTOLUENE	100	0	100	100	99.0	99	1	30	68 - 113
2,6-DINITROTOLUENE	100	0	100	100	99.0	99	1	30	70 - 130
BIS(2-ETHYLHEXYL) PHTHA	100	0	110	110	110	110	0	30	70 - 130
FLUORANTHENE	100	0	110	110	110	110	0	30	75 - 130
FLUORENE	100	0	96.0	96	94.0	94	2	30	60 - 111
HEXACHLOROBENZENE	100	0	100	100	100	100	0	30	58 - 130
HEXACHLOROBUTADIENE	100	0	75.0	75	74.0	74	1	30	13 - 130
HEXACHLOROCYCLOPENTADI	100	0	81.0	81	82.0	82	1	30	10 - 130
HEXACHLOROETHANE	100	0	67.0	67	64.0	64	5	30	11 - 130
ISOPHORONE	100	0	120	120	120	120	0	30	58 - 130
2-METHYLNAPHTHALENE	100	0	84.0	84	80.0	80	5	30	42 - 107
4,6-DINITRO-2-METHYLPH	100	0	96.0	96	95.0	95	1	30	47 - 130
4-CHLORO-3-METHYLPHENO	100	0	100	100	98.0	98	2	30	21 - 131
2-METHYLPHENOL	100	0	84.0	84	82.0	82	2	30	16 - 102
4-METHYLPHENOL	200	0	160	80	160	80	0	30	26 - 99
NAPHTHALENE	100	0	76.0	76	74.0	74	3	30	26 - 109
2-NITROANILINE	100	0	100	100	100	100	0	30	63 - 130
3-NITROANILINE	100	0	53.0	53*	64.0	64	19	30	56 - 111
4-NITROANILINE	100	0	88.0	88	88.0	88	0	30	70 - 130
NITROBENZENE	100	0	97.0	97	95.0	95	2	30	49 - 130
2-NITROPHENOL	100	0	97.0	97	96.0	96	1	30	63 - 130
4-NITROPHENOL	100	0	50.0	50	57.0	57	13	30	11 - 130
N-NITROSODIPHENYLAMINE	100	0	79.0	79	80.0	80	2	30	70 - 130
DI-N-OCTYL PHTHALATE	100	0	120	120	120	120	0	30	65 - 130
PENTACHLOROPHENOL	100	0	110	110	110	110	0	30	16 - 131
PHENANTHRENE	100	0	99.0	99	98.0	98	1	30	68 - 130
PHENOL	100	0	42.0	42	44.0	44	5	30	10 - 65
4-BROMOPHENYL-PHENYLET	100	0	100	100	99.0	99	1	30	64 - 130
4-CHLOROPHENYL-PHENYLE	100	0	98.0	98	95.0	95	3	30	55 - 106
N-NITROSO-DI-N-PROPYLA	100	0	97.0	97	96.0	96	1	30	25 - 120
PYRENE	100	0	110	110	110	110	0	30	60 - 130
2,4,6-TRICHLOROPHENOL	100	0	110	110	110	110	0	30	40 - 110

OLUMBIA ANALYTICAL SERVICES

JALITY CONTROL SUMMARY: LABORATORY CONTROL SAMPLE
WATER

Spiked Order No. : 1063018

Dup Spiked Order No. : 1063019

Client ID:

Test: 8270C SEMIVOLATILES

Analytical Units: UG/L

Run Number : 154640

			BLANK SPIKE		BLANK SPIKE DUP.			QC LIMITS	
ANALYTE	SPIKE ADDED	SAMPLE CONCENT.	FOUND	% REC.	FOUND	% REC.	RPD	RPD	REC.
2,4,5-TRICHLOROPHENOL	100	0	110	110	100	100	10	30	40 - 110

UMBIA ANALYTICAL SERVICES

LITY CONTROL SUMMARY: LABORATORY CONTROL SAMPLE
WATER

Spiked Order No. : 1063406

Dup Spiked Order No. : 1063407

Client ID:

Test: 8270C SEMIVOLATILES

Analytical Units: UG/L

Run Number : 154716

ANALYTE	SPIKE ADDED	SAMPLE CONCENT.	BLANK SPIKE FOUND	BLANK SPIKE % REC.	BLANK SPIKE DUP. FOUND	BLANK SPIKE DUP. % REC.	RPD	QC LIMITS RPD	QC LIMITS REC.
ACENAPHTHENE	100	0	87.0	87	90.0	90	3	30	41 - 121
ACENAPHTHYLENE	100	0	93.0	93	96.0	96	3	30	36 - 125
ACETOPHENONE	100	0	84.0	84	85.0	85	1	30	40 - 150
ANTHRACENE	100	0	92.0	92	97.0	97	5	30	73 - 130
ATRAZINE	100	0	95.0	95	97.0	97	2	30	40 - 150
BENZALDEHYDE	100	0	150	150	160*	160	6	30	40 - 150
BENZO(A)ANTHRACENE	100	0	95.0	95	100	100	5	30	71 - 130
BENZO(A)PYRENE	100	0	90.0	90	95.0	95	5	30	61 - 119
BENZO(B)FLUORANTHENE	100	0	100	100	100	100	0	30	68 - 130
BENZO(G,H,I)PERYLENE	100	0	93.0	93	98.0	98	5	30	50 - 125
BENZO(K)FLUORANTHENE	100	0	98.0	98	100	100	2	30	68 - 113
1,1'-BIPHENYL	100	0	85.0	85	87.0	87	2	30	40 - 150
BUTYL BENZYL PHTHALATE	100	0	100	100	110	110	10	30	22 - 141
DI-N-BUTYLPHTHALATE	100	0	100	100	110	110	10	30	46 - 130
CAPROLACTAM	100	0	19.0	19	19.0	19	0	30	8 - 100
CARBAZOLE	100	0	97.0	97	100	100	3	30	70 - 130
INDENO(1,2,3-CD)PYRENE	100	0	93.0	93	99.0	99	6	30	70 - 130
4-CHLOROANILINE	100	0	40.0	40	43.0	43	7	30	39 - 107
BIS(-2-CHLOROETHOXY)ME	100	0	71.0	71	74.0	74	4	30	61 - 130
BIS(2-CHLOROETHYL)ETHE	100	0	81.0	81	83.0	83	2	30	55 - 130
2-CHLORONAPHTHALENE	100	0	80.0	80	85.0	85	6	30	52 - 111
2-CHLOROPHENOL	100	0	83.0	83	87.0	87	5	30	16 - 116
2,2'-OXYBIS(1-CHLOROPR	100	0	71.0	71	74.0	74	4	30	10 - 140
CHRYSENE	100	0	95.0	95	100	100	5	30	61 - 119
DIBENZO(A,H)ANTHRACENE	100	0	93.0	93	99.0	99	6	30	70 - 130
DIBENZOFURAN	100	0	89.0	89	93.0	93	4	30	70 - 130
3,3'-DICHLOROBENZIDINE	100	0	68.0	68	74.0	74	8	30	48 - 119
2,4-DICHLOROPHENOL	100	0	75.0	75	78.0	78	4	30	66 - 104
DIETHYLPHTHALATE	100	0	100	100	100	100	0	30	31 - 124
DIMETHYL PHTHALATE	100	0	99.0	99	100	100	1	30	10 - 121
2,4-DIMETHYLPHENOL	100	0	52.0	52	56.0	56	7	30	31 - 92
2,4-DINITROPHENOL	100	0	110	110	120	120	9	30	21 - 123

)ALITY CONTROL SUMMARY: LABORATORY CONTROL SAMPLE
WATER

Spiked Order No. : 1063406

Dup Spiked Order No. : 1063407

Client ID:

Test: 8270C SEMIVOLATILES

Analytical Units: UG/L

Run Number : 154716

			BLANK SPIKE		BLANK SPIKE DUP.			QC LIMITS	
ANALYTE	SPIKE ADDED	SAMPLE CONCENT.	FOUND	% REC.	FOUND	% REC.	RPD	RPD	REC.
2,4-DINITROTOLUENE	100	0	96.0	96	99.0	99	3	30	68 - 113
2,6-DINITROTOLUENE	100	0	92.0	92	97.0	97	5	30	70 - 130
BIS(2-ETHYLHEXYL) PHTHA	100	0	100	100	110	110	10	30	70 - 130
FLUORANTHENE	100	0	110	110	110	110	0	30	75 - 130
FLUORENE	100	0	90.0	90	94.0	94	4	30	60 - 111
HEXACHLOROBENZENE	100	0	97.0	97	100	100	3	30	58 - 130
HEXACHLOROBUTADIENE	100	0	56.0	56	61.0	61	9	30	13 - 130
HEXACHLOROCYCLOPENTADI	100	0	48.0	48	57.0	57	17	30	10 - 130
HEXACHLOROETHANE	100	0	60.0	60	66.0	66	10	30	11 - 130
ISOPHORONE	100	0	87.0	87	90.0	90	3	30	58 - 130
2-METHYLNAPHTHALENE	100	0	63.0	63	67.0	67	6	30	42 - 107
4,6-DINITRO-2-METHYLPH	100	0	91.0	91	97.0	97	6	30	47 - 130
4-CHLORO-3-METHYLPHENO	100	0	76.0	76	78.0	78	3	30	21 - 131
2-METHYLPHENOL	100	0	73.0	73	74.0	74	1	30	16 - 102
4-METHYLPHENOL	200	0	140	70	140	70	0	30	26 - 99
NAPHTHALENE	100	0	56.0	56	60.0	60	7	30	26 - 109
2-NITROANILINE	100	0	94.0	94	98.0	98	4	30	63 - 130
3-NITROANILINE	100	0	56.0	56	60.0	60	7	30	56 - 111
4-NITROANILINE	100	0	88.0	88	90.0	90	2	30	70 - 130
NITROBENZENE	100	0	70.0	70	73.0	73	4	30	49 - 130
2-NITROPHENOL	100	0	72.0	72	76.0	76	5	30	63 - 130
4-NITROPHENOL	100	0	51.0	51	57.0	57	11	30	11 - 130
N-NITROSODIPHENYLAMINE	100	0	73.0	73	78.0	78	7	30	70 - 130
DI-N-OCTYL PHTHALATE	100	0	110	110	120	120	9	30	65 - 130
PENTACHLOROPHENOL	100	0	100	100	110	110	10	30	16 - 131
PHENANTHRENE	100	0	93.0	93	98.0	98	5	30	68 - 130
PHENOL	100	0	40.0	40	39.0	39	3	30	10 - 65
4-BROMOPHENYL-PHENYLET	100	0	93.0	93	97.0	97	4	30	64 - 130
4-CHLOROPHENYL-PHENYLE	100	0	91.0	91	96.0	96	5	30	55 - 106
N-NITROSO-DI-N-PROPYLA	100	0	82.0	82	87.0	87	6	30	25 - 120
PYRENE	100	0	99.0	99	100	100	1	30	60 - 130
2,4,6-TRICHLOROPHENOL	100	0	98.0	98	100	100	2	30	40 - 110

OLUMBIA ANALYTICAL SERVICES

JALITY CONTROL SUMMARY: LABORATORY CONTROL SAMPLE
WATER

Spiked Order No. : 1063406

Dup Spiked Order No. : 1063407

Client ID:

Test: 8270C SEMIVOLATILES

Analytical Units: UG/L

Run Number : 154716

			BLANK SPIKE		BLANK SPIKE DUP.			QC LIMITS	
ANALYTE	SPIKE ADDED	SAMPLE CONCENT.	FOUND	% REC.	FOUND	% REC.	RPD	RPD	REC.
2,4,5-TRICHLOROPHENOL	100	0	97.0	97	100	100	3	30	40 - 110

Response Factor Report 5973-A

Method : J:\ACQUDATA\5973A\METHODS\82701113.M (RTE Integrator)
Title : 8270 BNA ANALYSIS
Last Update : Wed Nov 14 09:03:55 2007
Response via : Initial Calibration

Calibration Files
10 =BQ202.D 50 =BQ203.D 80 =BQ204.D
100 =BQ205.D 120 =BQ206.D 160 =BQ207.D

		Compound	10	50	80	100	120	160	Avg	%RSD
1)	IR	d4-1,4-Dichlorobenzen	----------ISTD----------							
2)	T	Pyridine	0.993	1.035	1.007	1.000	0.968	0.945	0.991	3.18
3)	T	N-Nitrosodimethylam	0.564	0.567	0.557	0.558	0.544	0.531	0.554	2.41
4)	S	SURR1,2-FLUOROPHENO	1.110	1.168	1.134	1.108	1.074	1.061	1.109	3.52
5)	T	Benzaldehyde		0.786	0.578	0.476	0.387	0.280	0.501	38.55
6)	T	Aniline	1.964	1.967	1.840	1.783	1.703	1.691	1.825	6.68
7)	S	SURR2,PHENOL-D6	1.582	1.651	1.545	1.514	1.450	1.417	1.526	5.63
8)	TMC	Phenol	1.851	1.843	1.702	1.647	1.570	1.535	1.692	7.91
9)	T	bis(2-Clethyl)Ether	1.282	1.321	1.255	1.236	1.196	1.177	1.245	4.31
10)	TM	2-Chlorophenol	1.321	1.397	1.316	1.309	1.235	1.218	1.299	5.02
11)	T	1,3-Diclbenzene	1.623	1.611	1.540	1.538	1.472	1.441	1.538	4.73
12)	TMC	1,4-Dichlorobenzene	1.640	1.636	1.550	1.536	1.481	1.443	1.547	5.16
13)	T	1,2-Diclbenzene	1.523	1.536	1.450	1.457	1.404	1.400	1.462	3.93
14)	T	Benzyl Alcohol	1.012	1.168	1.110	1.093	1.053	1.064	1.083	4.94
15)	T	2,2'-oxybis(1-Chlor	1.594	1.579	1.453	1.404	1.337	1.232	1.433	9.78
16)	T	2-Methylphenol	1.221	1.285	1.212	1.207	1.165	1.148	1.206	3.99
17)	T	Acetophenone	1.845	1.947	1.782	1.751	1.656	1.625	1.768	6.75
18)	TMP	N-Nitroso-Di-n-prop	0.969	1.015	0.950	0.945	0.905	0.909	0.949	4.30
19)	T	Hexachloroethane	0.597	0.639	0.627	0.626	0.614	0.616	0.620	2.30
20)	T	4-Methylphenol	1.300	1.361	1.272	1.255	1.208	1.184	1.263	5.07
21)	T	1-Methyl-2-pyrrolid	0.822	0.928	0.870	0.858	0.833	0.873	0.864	4.32
22)	IR	d8-Naphthalene	----------ISTD----------							
23)	S	SURR4,NITROBENZENE-	0.376	0.395	0.390	0.383	0.374	0.372	0.382	2.45
24)	T	Nitrobenzene	0.407	0.404	0.388	0.381	0.370	0.365	0.386	4.47
25)	T	Isophorone	0.587	0.632	0.596	0.596	0.570	0.557	0.590	4.39
26)	TC	2-Nitrophenol	0.164	0.203	0.206	0.208	0.204	0.208	0.199	8.70
27)	T	Benzoic Acid		0.105	0.148	0.152	0.163	0.185	0.151	19.45
28)	T	2,4-Dimethylphenol	0.358	0.359	0.341	0.339	0.325	0.329	0.342	4.15
29)	T	bis(-2-Chloroethoxy	0.427	0.435	0.416	0.410	0.395	0.396	0.413	3.94
30)	TC	2,4-Dichlorophenol	0.281	0.309	0.307	0.304	0.293	0.299	0.299	3.52
31)	TM	1,2,4-Trichlorobenz	0.363	0.351	0.346	0.345	0.334	0.339	0.346	2.88
32)	T	Naphthalene	1.118	1.067	0.996	0.965	0.930	0.867	0.990	9.22
33)	T	4-Chloroaniline	0.416	0.432	0.417	0.409	0.398	0.397	0.412	3.21
34)	TC	Hexachlorobutadiene	0.203	0.213	0.218	0.219	0.211	0.219	0.214	2.95
35)	TMC	4-Chloro-3-methylph	0.290	0.318	0.304	0.298	0.295	0.300	0.301	3.22
36)	T	Caprolactam	0.081	0.116	0.116	0.113	0.113	0.115	0.109	12.81
37)	T	2-Methylnaphthalene	0.708	0.718	0.684	0.669	0.649	0.639	0.678	4.62
38)	T	1-Methylnaphthalene	0.742	0.743	0.706	0.684	0.663	0.653	0.698	5.53
39)	IR	d10-Acenaphthene	----------ISTD----------							
40)	TP	Hexachlorocyclopent	0.181	0.306	0.343	0.361	0.353	0.380	0.321	22.72
41)	TC	2,4,6-Trichlorophen	0.310	0.382	0.386	0.391	0.384	0.397	0.375	8.59

(#) = Out of Range

00698

Method : J:\ACQUDATA\5973A\METHODS\82701113.M (RTE Integrator)
Title : 8270 BNA ANALYSIS
Last Update : Wed Nov 14 09:03:55 2007
Response via : Initial Calibration

Calibration Files
10 =BQ202.D 50 =BQ203.D 80 =BQ204.D
100 =BQ205.D 120 =BQ206.D 160 =BQ207.D

		Compound	10	50	80	100	120	160	Avg	%RSD	
42)	T	2,4,5-Trichlorophen	0.327	0.394	0.404	0.411	0.400	0.419	0.393	8.44	
43)	S	SURR5,2-FLUOROBIPHE	1.402	1.375	1.322	1.324	1.279	1.257	1.327	4.15	
44)	T	1,1'-Biphenyl	1.612	1.599	1.543	1.527	1.472	1.417	1.528	4.88	
45)	T	2-Chloronaphthalene	1.146	1.150	1.125	1.118	1.085	1.079	1.117	2.68	
46)	T	2-Nitroaniline		0.352	0.348	0.349	0.343	0.346	0.348	0.94	
47)	T	Acenaphthylene	1.732	1.789	1.717	1.680	1.628	1.579	1.687	4.47	
48)	T	Dimethyl phthalate	1.215	1.288	1.235	1.232	1.211	1.197	1.230	2.58	
49)	T	2,6-Dinitrotoluene	0.281	0.316	0.314	0.312	0.310	0.313	0.308	4.31	
50)	TMC	Acenaphthene	1.199	1.208	1.168	1.163	1.135	1.121	1.166	2.94	
51)	T	3-Nitroaniline		0.337	0.332	0.327	0.326	0.324	0.329	1.55	
52)	TP	2,4-Dinitrophenol		0.062	0.102	0.110	0.125	0.139	0.108	26.97	L
53)	T	Dibenzofuran	1.692	1.696	1.624	1.588	1.552	1.501	1.609	4.82	
54)	TM	2,4-Dinitrotoluene	0.337	0.401	0.393	0.389	0.390	0.389	0.383	6.09	
55)	TMP	4-Nitrophenol		0.223	0.228	0.224	0.231	0.232	0.228	1.73	
56)	T	Fluorene	1.372	1.397	1.341	1.319	1.302	1.285	1.336	3.22	
57)	T	4-Chlorophenyl-phen	0.690	0.691	0.674	0.682	0.677	0.695	0.685	1.24	
58)	T	Diethylphthalate	1.205	1.276	1.215	1.209	1.188	1.160	1.209	3.17	
59)	T	4-Nitroaniline		0.327	0.321	0.307	0.291	0.301	0.309	4.65	
60)	S	SURR3,2,4,6-TRIBROM	0.158	0.235	0.240	0.246	0.249	0.256	0.230	15.76	L
61)	IR	d10-Phenanthrene	ISTD								
62)	T	1-Phenyl-1(4-methyl	0.471	0.485	0.490	0.499	0.486	0.505	0.489	2.39	
63)	T	4,6-Dinitro-2-methy		0.109	0.123	0.124	0.131	0.140	0.125	9.16	
64)	T	1,2 Diphenylhydrazi	0.770	0.773	0.765	0.767	0.737	0.726	0.756	2.63	
65)	TC	N-Nitrosodiphenylam	0.615	0.619	0.623	0.623	0.608	0.617	0.618	0.92	
66)	T	4-Bromophenyl-pheny	0.224	0.236	0.241	0.245	0.239	0.251	0.239	3.80	
67)	T	1-Phenyl-1(2,4-dime	0.570	0.588	0.595	0.608	0.591	0.606	0.593	2.34	
68)	T	Hexachlorobenzene	0.255	0.268	0.270	0.274	0.274	0.284	0.271	3.49	
69)	T	Atrazine	0.108	0.118	0.118	0.120	0.118	0.122	0.117	4.18	
70)	TCM	Pentachlorophenol		0.067	0.088	0.099	0.104	0.119	0.095	20.38	L
71)	T	Phenanthrene	1.081	1.071	1.037	1.024	1.001	0.979	1.032	3.85	
72)	T	Anthracene	1.046	1.066	1.043	1.035	0.997	0.980	1.028	3.16	
73)	T	Carbazole	0.949	0.960	0.936	0.914	0.878	0.875	0.919	3.92	
74)	T	Di-n-butylphthalate	0.972	1.128	1.103	1.071	1.059	1.025	1.060	5.29	
75)	TC	Fluoranthene	1.107	1.152	1.122	1.079	1.074	1.034	1.095	3.79	
76)	IR	d12-Chrysene	ISTD								
77)	T	Benzidine		0.495	0.389	0.358	0.294	0.250	0.357	26.37	(#)
78)	TM	Pyrene	1.220	1.177	1.115	1.159	1.094	1.076	1.140	4.79	
79)	S	SURR6,TERPHENYL-D14	0.982	0.970	0.926	0.961	0.916	0.910	0.944	3.27	
80)	T	Butyl benzyl phthal	0.419	0.495	0.493	0.510	0.498	0.509	0.487	7.05	
81)	T	3,3'-Dichlorobenzid	0.363	0.462	0.454	0.451	0.435	0.435	0.433	8.32	
82)	T	Benzo(a)anthracene	1.139	1.187	1.163	1.160	1.135	1.134	1.153	1.81	
83)	T	Chrysene	1.111	1.135	1.111	1.118	1.104	1.109	1.115	0.98	

(#) = Out of Range

00699

Method : J:\ACQUDATA\5973A\METHODS\82701113.M (RTE Integrator)
Title : 8270 BNA ANALYSIS
Last Update : Wed Nov 14 09:03:55 2007
Response via : Initial Calibration

Calibration Files
10 =BQ202.D 50 =BQ203.D 80 =BQ204.D
100 =BQ205.D 120 =BQ206.D 160 =BQ207.D

		Compound	10	50	80	100	120	160	Avg	%RSD
84)	T	bis(2-Ethylhexyl)ph	0.510	0.657	0.661	0.679	0.683	0.711	0.650	10.98
85)	IR	d12-Perylene	----------	----------	----------	ISTD	----------	----------	----------	
86)	TC	Di-n-octyl phthalat	0.808	1.136	1.102	1.093	1.103	1.148	1.065	11.98
87)	T	Benzo(b)Fluoranthen	1.242	1.335	1.258	1.264	1.267	1.295	1.277	2.61
88)	T	Benzo(k)fluoranthen	1.273	1.288	1.238	1.212	1.199	1.178	1.231	3.49
89)	TC	Benzo(a)pyrene	1.069	1.215	1.210	1.207	1.186	1.197	1.181	4.72
90)	T	Indeno(1,2,3-cd)Pyr	1.544	1.679	1.679	1.734	1.687	1.683	1.668	3.83
91)	T	Dibenz(a,h)anthrace	1.352	1.428	1.427	1.468	1.426	1.405	1.418	2.70
92)	T	Benzo(g,h,i)perylen	1.353	1.441	1.437	1.491	1.447	1.436	1.434	3.13

(#) = Out of Range

Response Factor Report 5973-A

Method : J:\ACQUDATA\5973A\METHODS\82700109.M (RTE Integrator)
Title : 8270 BNA ANALYSIS
Last Update : Thu Jan 10 08:38:51 2008
Response via : Initial Calibration

Calibration Files
10 =BQ910.D 50 =BQ911.D 80 =BQ912.D
100 =BQ913.D 120 =BQ914.D 160 =BQ915.D

		Compound	10	50	80	100	120	160	Avg	%RSD
1)	IR	d4-1,4-Dichlorobenzen	ISTD							
2)	T	Pyridine	1.343	1.335	1.332	1.345	1.356	1.258	1.328	2.67
3)	T	N-Nitrosodimethylam	0.748	0.818	0.816	0.788	0.828	0.744	0.790	4.64
4)	S	SURR1,2-FLUOROPHENO	0.960	0.963	0.938	0.926	0.926	0.886	0.933	3.03
5)	T	Benzaldehyde		0.621	0.496	0.360	0.412	0.282	0.434	30.03Aa
6)	T	Aniline	2.003	1.739	1.708	1.652	1.673	1.602	1.729	8.20
7)	S	SURR2,PHENOL-D6	1.471	1.437	1.396	1.353	1.386	1.297	1.390	4.42
8)	TMC	Phenol	1.577	1.412	1.398	1.338	1.367	1.252	1.391	7.73
9)	T	bis(2-Clethyl)Ether	1.368	1.173	1.179	1.139	1.118	1.086	1.177	8.49
10)	TM	2-Chlorophenol	1.326	1.240	1.183	1.170	1.203	1.150	1.212	5.26
11)	T	1,3-Diclbenzene	1.690	1.521	1.497	1.448	1.496	1.375	1.504	6.95
12)	TMC	1,4-Dichlorobenzene	1.606	1.572	1.538	1.488	1.513	1.355	1.512	5.81
13)	T	1,2-Diclbenzene	1.665	1.488	1.465	1.455	1.427	1.336	1.473	7.34
14)	T	Benzyl Alcohol	1.849	1.725	1.702	1.633	1.666	1.555	1.688	5.84
15)	T	2,2'-oxybis(1-Chlor	0.917	0.779	0.790	0.779	0.766	0.743	0.796	7.77
16)	T	2-Methylphenol	1.297	1.158	1.180	1.120	1.126	1.060	1.157	6.90
17)	T	Acetophenone	2.076	1.890	1.839	1.754	1.778	1.624	1.827	8.30
18)	TMP	N-Nitroso-Di-n-prop	1.370	1.238	1.182	1.121	1.127	1.056	1.182	9.37
19)	T	Hexachloroethane	0.848	0.786	0.791	0.768	0.782	0.727	0.784	4.98
20)	T	4-Methylphenol	1.457	1.283	1.274	1.244	1.267	1.202	1.288	6.83
21)	T	1-Methyl-2-pyrrolid	0.820	0.825	0.837	0.789	0.828	0.816	0.819	1.99
22)	IR	d8-Naphthalene	ISTD							
23)	S	SURR4,NITROBENZENE-	0.569	0.550	0.519	0.518	0.508	0.478	0.524	6.12
24)	T	Nitrobenzene	0.633	0.566	0.528	0.519	0.500	0.467	0.536	10.80
25)	T	Isophorone	0.767	0.737	0.704	0.693	0.679	0.644	0.704	6.16
26)	TC	2-Nitrophenol	0.189	0.190	0.175	0.175	0.172	0.157	0.176	6.88
27)	T	Benzoic Acid		0.237	0.262	0.262	0.262	0.277	0.260	5.58
28)	T	2,4-Dimethylphenol	0.468	0.429	0.387	0.368	0.370	0.338	0.393	11.97
29)	T	bis(-2-Chloroethoxy	0.470	0.420	0.392	0.377	0.380	0.362	0.400	9.82
30)	TC	2,4-Dichlorophenol	0.334	0.324	0.313	0.304	0.300	0.288	0.310	5.31
31)	TM	1,2,4-Trichlorobenz	0.438	0.398	0.379	0.374	0.374	0.348	0.385	7.90
32)	T	Naphthalene	1.068	1.012	0.970	0.946	0.927	0.866	0.965	7.27
33)	T	4-Chloroaniline	0.415	0.398	0.396	0.390	0.376	0.364	0.390	4.61
34)	TC	Hexachlorobutadiene	0.266	0.252	0.248	0.244	0.234	0.226	0.245	5.77
35)	TMC	4-Chloro-3-methylph	0.435	0.401	0.393	0.374	0.372	0.366	0.390	6.61
36)	T	Caprolactam	0.093	0.104	0.111	0.113	0.110	0.115	0.107	7.58
37)	T	2-Methylnaphthalene	0.812	0.744	0.712	0.702	0.691	0.671	0.722	6.91
38)	T	1-Methylnaphthalene	0.817	0.770	0.737	0.717	0.706	0.679	0.738	6.73
39)	IR	d10-Acenaphthene	ISTD							
40)	TP	Hexachlorocyclopent	0.339	0.370	0.379	0.379	0.384	0.345	0.366	5.22
41)	TC	2,4,6-Trichlorophen	0.382	0.386	0.386	0.376	0.382	0.358	0.379	2.80

(#) = Out of Range

00762

Method : J:\ACQUDATA\5973A\METHODS\82700109.M (RTE Integrator)
Title : 8270 BNA ANALYSIS
Last Update : Thu Jan 10 08:38:51 2008
Response via : Initial Calibration

Calibration Files
10 =BQ910.D 50 =BQ911.D 80 =BQ912.D
100 =BQ913.D 120 =BQ914.D 160 =BQ915.D

		Compound	10	50	80	100	120	160	Avg	%RSD
42)	T	2,4,5-Trichlorophen	0.402	0.409	0.427	0.417	0.410	0.392	0.409	2.94
43)	S	SURR5,2-FLUOROBIPHE	1.339	1.300	1.250	1.221	1.271	1.125	1.251	5.92
44)	T	1,1'-Biphenyl	1.517	1.471	1.423	1.364	1.392	1.227	1.399	7.17
45)	T	2-Chloronaphthalene	1.066	1.085	1.070	1.029	1.050	0.958	1.043	4.39
46)	T	2-Nitroaniline		0.458	0.458	0.451	0.454	0.440	0.452	1.66
47)	T	Acenaphthylene	1.771	1.666	1.654	1.616	1.639	1.496	1.640	5.41
48)	T	Dimethyl phthalate	1.386	1.296	1.298	1.270	1.270	1.228	1.291	4.07
49)	T	2,6-Dinitrotoluene	0.296	0.308	0.310	0.306	0.314	0.302	0.306	2.03
50)	TMC	Acenaphthene	1.189	1.170	1.176	1.120	1.152	1.052	1.143	4.44
51)	T	3-Nitroaniline		0.298	0.294	0.297	0.294	0.293	0.295	0.77
52)	TP	2,4-Dinitrophenol		0.141	0.179	0.186	0.190	0.204	0.180	13.09
53)	T	Dibenzofuran	1.845	1.673	1.661	1.594	1.617	1.486	1.646	7.16
54)	TM	2,4-Dinitrotoluene	0.411	0.399	0.422	0.422	0.415	0.425	0.416	2.35
55)	TMP	4-Nitrophenol		0.394	0.405	0.390	0.388	0.392	0.394	1.67
56)	T	Fluorene	1.465	1.401	1.412	1.354	1.381	1.277	1.382	4.59
57)	T	4-Chlorophenyl-phen	0.767	0.702	0.710	0.670	0.690	0.625	0.694	6.76
58)	T	Diethylphthalate	1.485	1.414	1.428	1.370	1.364	1.349	1.402	3.63
59)	T	4-Nitroaniline		0.284	0.307	0.290	0.288	0.305	0.295	3.65
60)	S	SURR3,2,4,6-TRIBROM	0.162	0.175	0.190	0.188	0.192	0.204	0.185	7.83
61)	IR	d10-Phenanthrene	----------	----------	----------	ISTD	----------	----------	----------	
62)	T	1-Phenyl-1(4-methyl	0.457	0.478	0.445	0.443	0.432	0.394	0.442	6.38
63)	T	4,6-Dinitro-2-methy		0.114	0.127	0.129	0.126	0.131	0.125	5.09
64)	T	1,2 Diphenylhydrazi	1.022	1.025	0.942	0.895	0.891	0.788	0.927	9.69
65)	TC	N-Nitrosodiphenylam	0.555	0.563	0.544	0.535	0.528	0.489	0.536	4.87
66)	T	4-Bromophenyl-pheny	0.176	0.197	0.191	0.191	0.189	0.183	0.188	3.83
67)	T	1-Phenyl-1(2,4-dime	0.561	0.589	0.561	0.552	0.544	0.509	0.553	4.74
68)	T	Hexachlorobenzene	0.189	0.195	0.196	0.201	0.201	0.198	0.197	2.32
69)	T	Atrazine	0.107	0.103	0.103	0.105	0.103	0.106	0.104	1.84
70)	TCM	Pentachlorophenol		0.122	0.133	0.134	0.133	0.137	0.132	4.16
71)	T	Phenanthrene	1.079	1.101	1.059	1.040	1.026	0.954	1.043	4.90
72)	T	Anthracene	1.064	1.120	1.079	1.051	1.037	0.963	1.052	4.99
73)	T	Carbazole	0.940	0.933	0.901	0.890	0.874	0.841	0.896	4.13
74)	T	Di-n-butylphthalate	1.136	1.207	1.174	1.148	1.114	1.073	1.142	4.06
75)	TC	Fluoranthene	1.213	1.191	1.209	1.182	1.169	1.118	1.180	2.95
76)	IR	d12-Chrysene	----------	----------	----------	ISTD	----------	----------	----------	
77)	T	Benzidine		0.413	0.328	0.269	0.273	0.212	0.299	25.36
78)	TM	Pyrene	1.309	1.306	1.267	1.251	1.279	1.130	1.257	5.27
79)	S	SURR6,TERPHENYL-D14	0.922	0.933	0.936	0.904	0.926	0.828	0.908	4.51
80)	T	Butyl benzyl phthal	0.578	0.614	0.632	0.616	0.619	0.580	0.606	3.66
81)	T	3,3'-Dichlorobenzid	0.352	0.392	0.406	0.391	0.404	0.377	0.387	5.20
82)	T	Benzo(a)anthracene	1.141	1.239	1.256	1.249	1.273	1.188	1.224	4.07
83)	T	Chrysene	1.100	1.236	1.203	1.151	1.191	0.992	1.146	7.74

(#) = Out of Range

00763

Method : J:\ACQUDATA\5973A\METHODS\82700109.M (RTE Integrator)
Title : 8270 BNA ANALYSIS
Last Update : Thu Jan 10 08:38:51 2008
Response via : Initial Calibration

Calibration Files
10 =BQ910.D 50 =BQ911.D 80 =BQ912.D
100 =BQ913.D 120 =BQ914.D 160 =BQ915.D

		Compound	10	50	80	100	120	160	Avg	%RSD
84)	T	bis(2-Ethylhexyl)ph	0.761	0.833	0.841	0.811	0.815	0.706	0.795	6.50
85)	IR	d12-Perylene	----------	----------	----------	ISTD	----------	----------		
86)	TC	Di-n-octyl phthalat	1.429	1.417	1.681	1.733	1.690	1.719	1.612	9.13
87)	T	Benzo(b)Fluoranthen	1.340	1.265	1.403	1.434	1.447	1.490	1.396	5.84
88)	T	Benzo(k)fluoranthen	1.285	1.222	1.381	1.421	1.409	1.420	1.357	6.14
89)	TC	Benzo(a)pyrene	1.158	1.242	1.319	1.391	1.381	1.404	1.316	7.45
90)	T	Indeno(1,2,3-cd)Pyr	1.541	1.876	1.973	2.009	2.027	1.959	1.898	9.61
91)	T	Dibenz(a,h)anthrace	1.322	1.572	1.691	1.729	1.736	1.689	1.623	9.78
92)	T	Benzo(g,h,i)perylen	1.371	1.580	1.613	1.673	1.703	1.654	1.599	7.49

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : J:\ACQUDATA\5973A\DATA\121907\BQ578.D
Acq On : 19 Dec 2007 9:24 am
Sample : CALIBRATION CHECK
Misc : 80 ppm std 8270/625 LR; #27,40,52
MS Integration Params: RTEINT.P

Vial: 1
Operator: Z.Miao
Inst : 5973-A
Multiplr: 1.00

Method : J:\ACQUDATA\5973A\METHODS\82701113.M (RTE Integrator)
Title : 8270 BNA ANALYSIS
Last Update : Mon Dec 10 15:58:21 2007
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	IR	d4-1,4-Dichlorobenzene	1.000	1.000	0.0	90	0.00
2	T	Pyridine	0.991	1.049	-5.9	94	-0.03
3	T	N-Nitrosodimethylamine	0.554	0.596	-7.6	97	-0.03
4	S	SURR1,2-FLUOROPHENOL	1.109	1.105	0.4	88	0.02
5	T	Benzaldehyde	0.501	0.320	36.1#	50	0.01
6	T	Aniline	1.825	1.524	16.5	75	0.00
7	S	SURR2,PHENOL-D6	1.526	1.514	0.8	89	0.02
8	TMC	Phenol	1.692	1.628	3.8	87	0.02
9	T	bis(2-Clethyl)Ether	1.245	1.211	2.7	87	0.00
10	TM	2-Chlorophenol	1.299	1.339	-3.1	92	0.02
11	T	1,3-Diclbenzene	1.538	1.589	-3.3	93	0.00
12	TMC	1,4-Dichlorobenzene	1.547	1.593	-3.0	93	0.00
13	T	1,2-Diclbenzene	1.462	1.505	-2.9	94	0.00
14	T	Benzyl Alcohol	1.083	1.103	-1.8	90	0.02
15	T	2,2'-oxybis(1-Chloropropane	1.433	1.161	19.0	72	0.00
16	T	2-Methylphenol	1.206	1.183	1.9	88	0.02
17	T	Acetophenone	1.768	1.783	-0.8	91	0.00
18	TMP	N-Nitroso-Di-n-propylamine	0.949	0.916	3.5	87	0.00
19	T	Hexachloroethane	0.620	0.666	-7.4	96	0.00
20	T	4-Methylphenol	1.263	1.250	1.0	89	0.02
21	T	1-Methyl-2-pyrrolidinone	0.864	0.797	7.8	83	0.02
22	IR	d8-Naphthalene	1.000	1.000	0.0	85	0.00
23	S	SURR4,NITROBENZENE-D5	0.382	0.414	-8.4	90	0.00
24	T	Nitrobenzene	0.386	0.405	-4.9	88	0.00
25	T	Isophorone	0.590	0.612	-3.7	87	0.00
26	TC	2-Nitrophenol	0.199	0.212	-6.5	87	0.00
27	T	Benzoic Acid	0.151	0.224	-48.3#	128	0.04
28	T	2,4-Dimethylphenol	0.342	0.360	-5.3	89	0.00
29	T	bis(-2-Chloroethoxy)Methane	0.413	0.413	0.0	84	0.00
30	TC	2,4-Dichlorophenol	0.299	0.313	-4.7	86	0.00
31	TM	1,2,4-Trichlorobenzene	0.346	0.367	-6.1	90	0.00
32	T	Naphthalene	0.990	1.028	-3.8	87	0.00
33	T	4-Chloroaniline	0.412	0.374	9.2	76	0.00
34	TC	Hexachlorobutadiene	0.214	0.238	-11.2	93	0.00
35	TMC	4-Chloro-3-methylphenol	0.301	0.305	-1.3	85	0.00
36	T	Caprolactam	0.109	0.103	5.5	76	0.00
37	T	2-Methylnaphthalene	0.678	0.712	-5.0	88	0.00
38	T	1-Methylnaphthalene	0.698	0.728	-4.3	87	0.00
39	IR	d10-Acenaphthene	1.000	1.000	0.0	81	-0.02

(#) = Out of Range

00821

Evaluate Continuing Calibration Report

Data File : J:\ACQUDATA\5973A\DATA\121907\BQ578.D Vial: 1
Acq On : 19 Dec 2007 9:24 am Operator: Z.Miao
Sample : CALIBRATION CHECK Inst : 5973-A
Misc : 80 ppm std 8270/625 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : J:\ACQUDATA\5973A\METHODS\82701113.M (RTE Integrator)
Title : 8270 BNA ANALYSIS
Last Update : Mon Dec 10 15:58:21 2007
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
40	TP	Hexachlorocyclopentadiene	0.321	0.337	-5.0	80	0.00
41	TC	2,4,6-Trichlorophenol	0.375	0.419	-11.7	88	0.00
42	T	2,4,5-Trichlorophenol	0.393	0.441	-12.2	89	0.00
43	S	SURR5,2-FLUOROBIPHENYL	1.327	1.407	-6.0	87	-0.01
44	T	1,1'-Biphenyl	1.528	1.631	-6.7	86	-0.01
45	T	2-Chloronaphthalene	1.117	1.158	-3.7	84	-0.01
46	T	2-Nitroaniline	0.348	0.348	0.0	81	0.00
47	T	Acenaphthylene	1.687	1.752	-3.9	83	-0.01
48	T	Dimethyl phthalate	1.230	1.253	-1.9	83	0.00
49	T	2,6-Dinitrotoluene	0.308	0.307	0.3	79	-0.01
50	TMC	Acenaphthene	1.166	1.223	-4.9	85	-0.02
51	T	3-Nitroaniline	0.329	0.303	7.9	74	0.00
52	TP	2,4-Dinitrophenol	0.108	0.130	-20.4#	103	-0.01
53	T	Dibenzofuran	1.609	1.633	-1.5	82	-0.02
54	TM	2,4-Dinitrotoluene	0.383	0.373	2.6	77	-0.01
55	TMP	4-Nitrophenol	0.228	0.227	0.4	81	0.00
56	T	Fluorene	1.336	1.324	0.9	80	-0.02
57	T	4-Chlorophenyl-phenylether	0.685	0.684	0.1	83	-0.02
58	T	Diethylphthalate	1.209	1.238	-2.4	83	-0.02
59	T	4-Nitroaniline	0.309	0.273	11.7	69	-0.01
60	S	SURR3,2,4,6-TRIBROMOPHENOL	0.230	0.242	-5.2	82	-0.02
61	IR	d10-Phenanthrene	1.000	1.000	0.0	81	-0.03
62	T	1-Phenyl-1(4-methyl-phenyl)	0.489	0.504	-3.1	83	-0.02
63	T	4,6-Dinitro-2-methylphenol	0.125	0.123	1.6	81	-0.02
64	T	1,2 Diphenylhydrazine	0.756	0.768	-1.6	81	-0.02
65	TC	N-Nitrosodiphenylamine	0.618	0.604	2.3	79	-0.02
66	T	4-Bromophenyl-phenylether	0.239	0.238	0.4	80	-0.02
67	T	1-Phenyl-1(2,4-dimethylphen	0.593	0.612	-3.2	83	-0.02
68	T	Hexachlorobenzene	0.271	0.283	-4.4	85	-0.03
69	T	Atrazine	0.117	0.090	23.1#	62	-0.02
70	TCM	Pentachlorophenol	0.095	0.107	-12.6	99	-0.02
71	T	Phenanthrene	1.032	1.061	-2.8	83	-0.03
72	T	Anthracene	1.028	1.046	-1.8	81	-0.03
73	T	Carbazole	0.919	0.919	0.0	79	-0.02
74	T	Di-n-butylphthalate	1.060	1.140	-7.5	84	-0.03
75	TC	Fluoranthene	1.095	1.201	-9.7	87	-0.03
76	IR	d12-Chrysene	1.000	1.000	0.0	83	-0.07
77	T	Benzidine	0.357	0.146	not used 59.1#	31#	-0.02
78	TM	Pyrene	1.140	1.167	-2.4	87	-0.03

(#) = Out of Range

00822

Evaluate Continuing Calibration Report

Data File : J:\ACQUDATA\5973A\DATA\121907\BQ578.D Vial: 1
Acq On : 19 Dec 2007 9:24 am Operator: Z.Miao
Sample : CALIBRATION CHECK Inst : 5973-A
Misc : 80 ppm std 8270/625 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : J:\ACQUDATA\5973A\METHODS\82701113.M (RTE Integrator)
Title : 8270 BNA ANALYSIS
Last Update : Mon Dec 10 15:58:21 2007
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
79	S	SURR6,TERPHENYL-D14	0.944	0.952	-0.8	85	-0.03
80	T	Butyl benzyl phthalate	0.487	0.497	-2.1	84	-0.03
81	T	3,3'-Dichlorobenzidine	0.433	0.439	-1.4	80	-0.05
82	T	Benzo(a)anthracene	1.153	1.174	-1.8	84	-0.07
83	T	Chrysene	1.115	1.127	-1.1	84	-0.07
84	T	bis(2-Ethylhexyl)phthalate	0.650	0.663	-2.0	83	-0.07
85	IR	d12-Perylene	1.000	1.000	0.0	81	-0.14
86	TC	Di-n-octyl phthalate	1.065	1.107	-3.9	81	-0.11
87	T	Benzo(b)Fluoranthene	1.277	1.304	-2.1	84	-0.13
88	T	Benzo(k)fluoranthene	1.231	1.246	-1.2	81	-0.14
89	TC	Benzo(a)pyrene	1.181	1.212	-2.6	81	-0.14
90	T	Indeno(1,2,3-cd)Pyrene	1.668	1.749	-4.9	84	-0.15
91	T	Dibenz(a,h)anthracene	1.418	1.470	-3.7	83	-0.16
92	T	Benzo(g,h,i)perylene	1.434	1.492	-4.0	84	-0.17

00823

Evaluate Continuing Calibration Report

Data File : J:\ACQUDATA\5973A\DATA\122007\BQ604.D
Acq On : 20 Dec 2007 11:14 am
Sample : calibration check
Misc : 80 ppm std 8270/625
MS Integration Params: RTEINT.P

Vial: 1
Operator: Z.Miao
Inst : 5973-A
Multiplr: 1.00

LR: #27, 40, 52
60, 70

Method : J:\ACQUDATA\5973A\METHODS\82701113.M (RTE Integrator)
Title : 8270 BNA ANALYSIS
Last Update : Mon Dec 10 15:58:21 2007
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	IR	d4-1,4-Dichlorobenzene	1.000	1.000	0.0	90	0.00
2	T	Pyridine	0.991	1.053	-6.3	94	-0.04
3	T	N-Nitrosodimethylamine	0.554	0.595	-7.4	96	-0.04
4	S	SURR1,2-FLUOROPHENOL	1.109	1.108	0.1	88	0.00
5	T	Benzaldehyde	0.501	0.341	31.9#	53	0.00
6	T	Aniline	1.825	1.583	13.3	78	0.00
7	S	SURR2,PHENOL-D6	1.526	1.527	-0.1	89	0.01
8	TMC	Phenol	1.692	1.650	2.5	87	0.01
9	T	bis(2-Clethyl)Ether	1.245	1.184	4.9	85	0.00
10	TM	2-Chlorophenol	1.299	1.344	-3.5	92	0.00
11	T	1,3-Diclbenzene	1.538	1.598	-3.9	94	0.00
12	TMC	1,4-Dichlorobenzene	1.547	1.599	-3.4	93	0.00
13	T	1,2-Diclbenzene	1.462	1.498	-2.5	93	0.00
14	T	Benzyl Alcohol	1.083	1.139	-5.2	93	0.00
15	T	2,2'-oxybis(1-Chloropropane	1.433	1.165	18.7	72	0.00
16	T	2-Methylphenol	1.206	1.187	1.6	88	0.00
17	T	Acetophenone	1.768	1.840	-4.1	93	0.00
18	TMP	N-Nitroso-Di-n-propylamine	0.949	0.947	0.2	90	0.00
19	T	Hexachloroethane	0.620	0.665	-7.3	96	0.00
20	T	4-Methylphenol	1.263	1.272	-0.7	90	0.00
21	T	1-Methyl-2-pyrrolidinone	0.864	0.792	8.3	82	0.01
22	IR	d8-Naphthalene	1.000	1.000	0.0	85	-0.01
23	S	SURR4,NITROBENZENE-D5	0.382	0.413	-8.1	90	0.00
24	T	Nitrobenzene	0.386	0.405	-4.9	89	0.00
25	T	Isophorone	0.590	0.612	-3.7	88	0.00
26	TC	2-Nitrophenol	0.199	0.212	-6.5	88	0.00
27	T	Benzoic Acid	0.151	0.191	-26.5#	110	0.02
28	T	2,4-Dimethylphenol	0.342	0.365	-6.7	91	0.00
29	T	bis(-2-Chloroethoxy)Methane	0.413	0.412	0.2	85	0.00
30	TC	2,4-Dichlorophenol	0.299	0.312	-4.3	87	0.00
31	TM	1,2,4-Trichlorobenzene	0.346	0.367	-6.1	90	0.00
32	T	Naphthalene	0.990	1.026	-3.6	88	0.00
33	T	4-Chloroaniline	0.412	0.388	5.8	79	0.00
34	TC	Hexachlorobutadiene	0.214	0.237	-10.7	93	-0.01
35	TMC	4-Chloro-3-methylphenol	0.301	0.302	-0.3	85	0.00
36	T	Caprolactam	0.109	0.102	6.4	75	0.00
37	T	2-Methylnaphthalene	0.678	0.709	-4.6	88	-0.02
38	T	1-Methylnaphthalene	0.698	0.723	-3.6	87	-0.01
39	IR	d10-Acenaphthene	1.000	1.000	0.0	82	-0.03

(#) = Out of Range
BQ604.D 82701113.M Thu Dec 20 14:58:33 2007

00833

Evaluate Continuing Calibration Report

Data File : J:\ACQUDATA\5973A\DATA\122007\BQ604.D
Acq On : 20 Dec 2007 11:14 am
Sample : calibration check
Misc : 80 ppm std 8270/625
MS Integration Params: RTEINT.P

Vial: 1
Operator: Z.Miao
Inst : 5973-A
Multiplr: 1.00

Method : J:\ACQUDATA\5973A\METHODS\82701113.M (RTE Integrator)
Title : 8270 BNA ANALYSIS
Last Update : Mon Dec 10 15:58:21 2007
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
40	TP	Hexachlorocyclopentadiene	0.321	0.336	-4.7	80	-0.02
41	TC	2,4,6-Trichlorophenol	0.375	0.414	-10.4	88	-0.01
42	T	2,4,5-Trichlorophenol	0.393	0.431	-9.7	87	-0.01
43	S	SURR5,2-FLUOROBIPHENYL	1.327	1.410	-6.3	87	-0.02
44	T	1,1'-Biphenyl	1.528	1.627	-6.5	86	-0.02
45	T	2-Chloronaphthalene	1.117	1.159	-3.8	84	-0.02
46	T	2-Nitroaniline	0.348	0.355	-2.0	83	-0.02
47	T	Acenaphthylene	1.687	1.754	-4.0	83	-0.02
48	T	Dimethyl phthalate	1.230	1.266	-2.9	84	-0.02
49	T	2,6-Dinitrotoluene	0.308	0.300	2.6	78	-0.02
50	TMC	Acenaphthene	1.166	1.223	-4.9	85	-0.02
51	T	3-Nitroaniline	0.329	0.301	8.5	74	-0.01
52	TP	2,4-Dinitrophenol	0.108	0.111	-2.8	89	-0.02
53	T	Dibenzofuran	1.609	1.642	-2.1	82	-0.04
54	TM	2,4-Dinitrotoluene	0.383	0.371	3.1	77	-0.02
55	TMP	4-Nitrophenol	0.228	0.220	3.5	79	0.00
56	T	Fluorene	1.336	1.326	0.7	81	-0.04
57	T	4-Chlorophenyl-phenylether	0.685	0.683	0.3	83	-0.04
58	T	Diethylphthalate	1.209	1.247	-3.1	84	-0.02
59	T	4-Nitroaniline	0.309	0.283	8.4	72	-0.02
60	S	SURR3,2,4,6-TRIBROMOPHENOL	0.230	0.240	-4.3	82	-0.03
61	IR	d10-Phenanthrene	1.000	1.000	0.0	81	-0.04
62	T	1-Phenyl-1(4-methyl-phenyl)	0.489	0.512	-4.7	85	-0.03
63	T	4,6-Dinitro-2-methylphenol	0.125	0.114	8.8	75	-0.03
64	T	1,2 Diphenylhydrazine	0.756	0.781	-3.3	83	-0.03
65	TC	N-Nitrosodiphenylamine	0.618	0.613	0.8	80	-0.03
66	T	4-Bromophenyl-phenylether	0.239	0.241	-0.8	81	-0.04
67	T	1-Phenyl-1(2,4-dimethylphen	0.593	0.617	-4.0	84	-0.04
68	T	Hexachlorobenzene	0.271	0.282	-4.1	85	-0.04
69	T	Atrazine	0.117	0.089	23.9#	61	-0.03
70	TCM	Pentachlorophenol	0.095	0.091	4.2	84	-0.03
71	T	Phenanthrene	1.032	1.065	-3.2	83	-0.04
72	T	Anthracene	1.028	1.060	-3.1	82	-0.04
73	T	Carbazole	0.919	0.938	-2.1	81	-0.04
74	T	Di-n-butylphthalate	1.060	1.145	-8.0	84	-0.04
75	TC	Fluoranthene	1.095	1.192	-8.9	86	-0.05
76	IR	d12-Chrysene	1.000	1.000	0.0	81	-0.08
77	T	Benzidine	0.357	0.174	51.3#	36#	-0.04
78	TM	Pyrene	1.140	1.180	-3.5	86	-0.05

not used

(#) = Out of Range

00834

Data File : J:\ACQUDATA\5973A\DATA\122007\BQ604.D
Acq On : 20 Dec 2007 11:14 am
Sample : calibration check
Misc : 80 ppm std 8270/625
MS Integration Params: RTEINT.P

Vial: 1
Operator: Z.Miao
Inst : 5973-A
Multiplr: 1.00

Method : J:\ACQUDATA\5973A\METHODS\82701113.M (RTE Integrator)
Title : 8270 BNA ANALYSIS
Last Update : Mon Dec 10 15:58:21 2007
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
79	S	SURR6,TERPHENYL-D14	0.944	0.965	-2.2	85	-0.05
80	T	Butyl benzyl phthalate	0.487	0.498	-2.3	82	-0.05
81	T	3,3'-Dichlorobenzidine	0.433	0.444	-2.5	79	-0.08
82	T	Benzo(a)anthracene	1.153	1.192	-3.4	83	-0.09
83	T	Chrysene	1.115	1.134	-1.7	83	-0.09
84	T	bis(2-Ethylhexyl)phthalate	0.650	0.649	0.2	80	-0.09
85	IR	d12-Perylene	1.000	1.000	0.0	83	-0.17
86	TC	Di-n-octyl phthalate	1.065	1.044	2.0	79	-0.14
87	T	Benzo(b)Fluoranthene	1.277	1.259	1.4	83	-0.16
88	T	Benzo(k)fluoranthene	1.231	1.205	2.1	81	-0.17
89	TC	Benzo(a)pyrene	1.181	1.199	-1.5	83	-0.17
90	T	Indeno(1,2,3-cd)Pyrene	1.668	1.792	-7.4	89	-0.17
91	T	Dibenz(a,h)anthracene	1.418	1.514	-6.8	88	-0.18
92	T	Benzo(g,h,i)perylene	1.434	1.524	-6.3	88	-0.20

Evaluate Continuing Calibration Report

Data File : J:\ACQUDATA\5973A\DATA\01022008\BQ768.D
Acq On : 2 Jan 2008 10:21 am
Sample : CALIBRATION CHECK
Misc : 80 PPM STD 8270/625
MS Integration Params: RTEINT.P

Vial: 1
Operator: Z.Miao
Inst : 5973-A
Multiplr: 1.00

LR: #27,40,52
60,70

Method : J:\ACQUDATA\5973A\METHODS\82701113.M (RTE Integrator)
Title : 8270 BNA ANALYSIS
Last Update : Mon Dec 31 12:32:31 2007
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	IR	d4-1,4-Dichlorobenzene	1.000	1.000	0.0	77	0.05
2	T	Pyridine	0.991	1.056	-6.6	80	-0.02
3	T	N-Nitrosodimethylamine	0.554	0.601	-8.5	83	-0.01
4	S	SURR1,2-FLUOROPHENOL	1.109	1.106	0.3	75	0.05
5	T	Benzaldehyde	0.501	0.468	6.6	62	0.05
6	T	Aniline	1.825	1.577	13.6	66	0.05
7	S	SURR2,PHENOL-D6	1.526	1.582	-3.7	79	0.06
8	TMC	Phenol	1.692	1.700	-0.5	77	0.06
9	T	bis(2-Clethyl)Ether	1.245	1.256	-0.9	77	0.06
10	TM	2-Chlorophenol	1.299	1.397	-7.5	81	0.06
11	T	1,3-Diclbenzene	1.538	1.598	-3.9	80	0.05
12	TMC	1,4-Dichlorobenzene	1.547	1.638	-5.9	81	0.06
13	T	1,2-Diclbenzene	1.462	1.540	-5.3	81	0.05
14	T	Benzyl Alcohol	1.083	1.222	-12.8	84	0.06
15	T	2,2'-oxybis(1-Chloropropane	1.433	1.213	15.4	64	0.05
16	T	2-Methylphenol	1.206	1.237	-2.6	78	0.06
17	T	Acetophenone	1.768	1.943	-9.9	84	0.06
18	TMP	N-Nitroso-Di-n-propylamine	0.949	1.046	-10.2	85	0.05
19	T	Hexachloroethane	0.620	0.714	-15.2	87	0.04
20	T	4-Methylphenol	1.263	1.357	-7.4	82	0.05
21	T	1-Methyl-2-pyrrolidinone	0.864	0.890	-3.0	78	0.06
22	IR	d8-Naphthalene	1.000	1.000	0.0	80	0.04
23	S	SURR4,NITROBENZENE-D5	0.382	0.426	-11.5	88	0.05
24	T	Nitrobenzene	0.386	0.410	-6.2	85	0.05
25	T	Isophorone	0.590	0.630	-6.8	85	0.04
26	TC	2-Nitrophenol	0.199	0.206	-3.5	80	0.04
27	T	Benzoic Acid	0.151	0.169	-11.9	91	0.06
28	T	2,4-Dimethylphenol	0.342	0.376	-9.9	88	0.04
29	T	bis(-2-Chloroethoxy)Methane	0.413	0.417	-1.0	80	0.04
30	TC	2,4-Dichlorophenol	0.299	0.307	-2.7	80	0.04
31	TM	1,2,4-Trichlorobenzene	0.346	0.353	-2.0	82	0.04
32	T	Naphthalene	0.990	1.024	-3.4	82	0.04
33	T	4-Chloroaniline	0.412	0.394	4.4	76	0.04
34	TC	Hexachlorobutadiene	0.214	0.228	-6.5	84	0.03
35	TMC	4-Chloro-3-methylphenol	0.301	0.325	-8.0	86	0.04
36	T	Caprolactam	0.109	0.106	2.8	74	0.03
37	T	2-Methylnaphthalene	0.678	0.723	-6.6	85	0.03
38	T	1-Methylnaphthalene	0.698	0.737	-5.6	84	0.03
39	IR	d10-Acenaphthene	1.000	1.000	0.0	82	0.01

(#) = Out of Range
BQ768.D 82701113.M Wed Jan 02 15:35:10 2008

00845

Data File : J:\ACQUDATA\5973A\DATA\01022008\BQ768.D
Acq On : 2 Jan 2008 10:21 am
Sample : CALIBRATION CHECK
Misc : 80 PPM STD 8270/625
MS Integration Params: RTEINT.P

Vial: 1
Operator: Z.Miao
Inst : 5973-A
Multiplr: 1.00

Method : J:\ACQUDATA\5973A\METHODS\82701113.M (RTE Integrator)
Title : 8270 BNA ANALYSIS
Last Update : Mon Dec 31 12:32:31 2007
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF		%Dev	Area%	Dev(min)
40	TP	Hexachlorocyclopentadiene	0.321	0.213		33.6#	51	0.03
41	TC	2,4,6-Trichlorophenol	0.375	0.386		-2.9	82	0.03
42	T	2,4,5-Trichlorophenol	0.393	0.396		-0.8	80	0.03
43	S	SURR5,2-FLUOROBIPHENYL	1.327	1.364		-2.8	84	0.03
44	T	1,1'-Biphenyl	1.528	1.596		-4.5	84	0.03
45	T	2-Chloronaphthalene	1.117	1.133		-1.4	82	0.02
46	T	2-Nitroaniline	0.348	0.362		-4.0	85	0.02
47	T	Acenaphthylene	1.687	1.740		-3.1	83	0.02
48	T	Dimethyl phthalate	1.230	1.290		-4.9	85	0.02
49	T	2,6-Dinitrotoluene	0.308	0.307		0.3	80	0.02
50	TMC	Acenaphthene	1.166	1.226		-5.1	86	0.02
51	T	3-Nitroaniline	0.329	0.315		4.3	77	0.02
52	TP	2,4-Dinitrophenol	0.108	0.108		0.0	87	0.02
53	T	Dibenzofuran	1.609	1.644		-2.2	83	0.01
54	TM	2,4-Dinitrotoluene	0.383	0.387		-1.0	80	0.02
55	TMP	4-Nitrophenol	0.228	0.212		7.0	76	0.02
56	T	Fluorene	1.336	1.355		-1.4	83	0.01
57	T	4-Chlorophenyl-phenylether	0.685	0.698		-1.9	85	0.00
58	T	Diethylphthalate	1.209	1.332		-10.2	90	0.01
59	T	4-Nitroaniline	0.309	0.296		4.2	75	0.01
60	S	SURR3,2,4,6-TRIBROMOPHENOL	0.230	0.224		2.6	76	0.00
61	IR	d10-Phenanthrene	1.000	1.000		0.0	86	0.00
62	T	1-Phenyl-1(4-methyl-phenyl)	0.489	0.486		0.6	86	0.01
63	T	4,6-Dinitro-2-methylphenol	0.125	0.112		10.4	79	0.02
64	T	1,2 Diphenylhydrazine	0.756	0.767		-1.5	87	0.01
65	TC	N-Nitrosodiphenylamine	0.618	0.593		4.0	82	0.00
66	T	4-Bromophenyl-phenylether	0.239	0.228		4.6	82	0.00
67	T	1-Phenyl-1(2,4-dimethylphen	0.593	0.602		-1.5	87	0.00
68	T	Hexachlorobenzene	0.271	0.263		3.0	84	0.00
69	T	Atrazine	0.117	0.084		28.2#	62	0.00
70	TCM	Pentachlorophenol	0.095	0.083		12.6	82	0.00
71	T	Phenanthrene	1.032	1.047		-1.5	87	0.00
72	T	Anthracene	1.028	1.036		-0.8	86	0.00
73	T	Carbazole	0.919	0.935		-1.7	86	0.00
74	T	Di-n-butylphthalate	1.060	1.138		-7.4	89	0.00
75	TC	Fluoranthene	1.095	1.191		-8.8	92	0.00
76	IR	d12-Chrysene	1.000	1.000		0.0	86	-0.05
77	T	Benzidine	0.357	0.165	NJ	53.8#	36#	0.00
78	TM	Pyrene	1.140	1.197		-5.0	92	0.00

(#) = Out of Range
BQ768.D 82701113.M Wed Jan 02 15:35:11 2008

00846

Data File : J:\ACQUDATA\5973A\DATA\01022008\BQ768.D Vial: 1
Acq On : 2 Jan 2008 10:21 am Operator: Z.Miao
Sample : CALIBRATION CHECK Inst : 5973-A
Misc : 80 PPM STD 8270/625 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : J:\ACQUDATA\5973A\METHODS\82701113.M (RTE Integrator)
Title : 8270 BNA ANALYSIS
Last Update : Mon Dec 31 12:32:31 2007
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
79	S	SURR6,TERPHENYL-D14	0.944	0.971	-2.9	90	0.00
80	T	Butyl benzyl phthalate	0.487	0.503	-3.3	87	-0.01
81	T	3,3'-Dichlorobenzidine	0.433	0.440	-1.6	83	-0.05
82	T	Benzo(a)anthracene	1.153	1.183	-2.6	87	-0.06
83	T	Chrysene	1.115	1.121	-0.5	86	-0.06
84	T	bis(2-Ethylhexyl)phthalate	0.650	0.656	-0.9	85	-0.06
85	IR	d12-Perylene	1.000	1.000	0.0	83	-0.16
86	TC	Di-n-octyl phthalate	1.065	1.052	1.2	79	-0.13
87	T	Benzo(b)Fluoranthene	1.277	1.300	-1.8	86	-0.16
88	T	Benzo(k)fluoranthene	1.231	1.241	-0.8	83	-0.17
89	TC	Benzo(a)pyrene	1.181	1.216	-3.0	84	-0.16
90	T	Indeno(1,2,3-cd)Pyrene	1.668	1.847	-10.7	91	-0.16
91	T	Dibenz(a,h)anthracene	1.418	1.558	-9.9	91	-0.18
92	T	Benzo(g,h,i)perylene	1.434	1.579	-10.1	91	-0.19

00847

Evaluate Continuing Calibration Report

Data File : J:\ACQUDATA\5973A\DATA\01022008\BQ768.D Vial: 1
Acq On : 2 Jan 2008 10:21 am Operator: Z.Miao
Sample : CALIBRATION CHECK Inst : 5973-A
Misc : 80 PPM STD 8270/625 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : J:\ACQUDATA\5973A\METHODS\82701113.M (RTE Integrator)
Title : 8270 BNA ANALYSIS
Last Update : Mon Dec 31 12:32:31 2007
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	IR	d4-1,4-Dichlorobenzene	40.000	40.000	0.0	77	0.05
2	T	Pyridine	80.000	85.204	-6.5	80	-0.02
3	T	N-Nitrosodimethylamine	80.000	86.854	-8.6	83	-0.01
4	S	SURR1,2-FLUOROPHENOL	80.000	79.788	0.3	75	0.05
5	T	Benzaldehyde	80.000	74.743	6.6	62	0.05
6	T	Aniline	80.000	69.129	13.6	66	0.05
7	S	SURR2,PHENOL-D6	80.000	82.900	-3.6	79	0.06
8	TMC	Phenol	80.000	80.389	-0.5	77	0.06
9	T	bis(2-Clethyl)Ether	80.000	80.695	-0.9	77	0.06
10	TM	2-Chlorophenol	80.000	86.031	-7.5	81	0.06
11	T	1,3-Diclbenzene	80.000	83.129	-3.9	80	0.05
12	TMC	1,4-Dichlorobenzene	80.000	84.698	-5.9	81	0.06
13	T	1,2-Diclbenzene	80.000	84.271	-5.3	81	0.05
14	T	Benzyl Alcohol	80.000	90.217	-12.8	84	0.06
15	T	2,2'-oxybis(1-Chloropropane	80.000	67.715	15.4	64	0.05
16	T	2-Methylphenol	80.000	82.052	-2.6	78	0.06
17	T	Acetophenone	80.000	87.950	-9.9	84	0.06
18	TMP	N-Nitroso-Di-n-propylamine	80.000	88.240	-10.3	85	0.05
19	T	Hexachloroethane	80.000	92.209	-15.3	87	0.04
20	T	4-Methylphenol	80.000	85.900	-7.4	82	0.05
21	T	1-Methyl-2-pyrrolidinone	80.000	82.450	-3.1	78	0.06
22	IR	d8-Naphthalene	40.000	40.000	0.0	80	0.04
23	S	SURR4,NITROBENZENE-D5	80.000	89.347	-11.7	88	0.05
24	T	Nitrobenzene	80.000	85.092	-6.4	85	0.05
25	T	Isophorone	80.000	85.494	-6.9	85	0.04
26	TC	2-Nitrophenol	80.000	82.825	-3.5	80	0.04
27	T	Benzoic Acid	80.000	89.135	-11.4	91	0.06
28	T	2,4-Dimethylphenol	80.000	87.959	-9.9	88	0.04
29	T	bis(-2-Chloroethoxy)Methane	80.000	80.645	-0.8	80	0.04
30	TC	2,4-Dichlorophenol	80.000	82.084	-2.6	80	0.04
31	TM	1,2,4-Trichlorobenzene	80.000	81.401	-1.8	82	0.04
32	T	Naphthalene	80.000	82.731	-3.4	82	0.04
33	T	4-Chloroaniline	80.000	76.517	4.4	76	0.04
34	TC	Hexachlorobutadiene	80.000	85.340	-6.7	84	0.03
35	TMC	4-Chloro-3-methylphenol	80.000	86.478	-8.1	86	0.04
36	T	Caprolactam	80.000	77.939	2.6	74	0.03
37	T	2-Methylnaphthalene	80.000	85.395	-6.7	85	0.03
38	T	1-Methylnaphthalene	80.000	84.416	-5.5	84	0.03
39	IR	d10-Acenaphthene	40.000	40.000	0.0	82	0.01

(#) = Out of Range

00848

Evaluate Continuing Calibration Report

Data File : J:\ACQUDATA\5973A\DATA\01022008\BQ768.D Vial: 1
Acq On : 2 Jan 2008 10:21 am Operator: Z.Miao
Sample : CALIBRATION CHECK Inst : 5973-A
Misc : 80 PPM STD 8270/625 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : J:\ACQUDATA\5973A\METHODS\82701113.M (RTE Integrator)
Title : 8270 BNA ANALYSIS
Last Update : Mon Dec 31 12:32:31 2007
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.		%Dev	Area%	Dev(min)
40	TP	Hexachlorocyclopentadiene	80.000	52.092		34.9#	51	0.03
41	TC	2,4,6-Trichlorophenol	80.000	82.279		-2.8	82	0.03
42	T	2,4,5-Trichlorophenol	80.000	80.765		-1.0	80	0.03
43	S	SURR5,2-FLUOROBIPHENYL	80.000	82.240		-2.8	84	0.03
44	T	1,1'-Biphenyl	80.000	83.535		-4.4	84	0.03
45	T	2-Chloronaphthalene	80.000	81.168		-1.5	82	0.02
46	T	2-Nitroaniline	80.000	83.248		-4.1	85	0.02
47	T	Acenaphthylene	80.000	82.500		-3.1	83	0.02
48	T	Dimethyl phthalate	80.000	83.959		-4.9	85	0.02
49	T	2,6-Dinitrotoluene	80.000	79.706		0.4	80	0.02
50	TMC	Acenaphthene	80.000	84.176		-5.2	86	0.02
51	T	3-Nitroaniline	80.000	76.533		4.3	77	0.02
52	TP	2,4-Dinitrophenol	80.000	83.326		-4.2	87	0.02
53	T	Dibenzofuran	80.000	81.764		-2.2	83	0.01
54	TM	2,4-Dinitrotoluene	80.000	80.790		-1.0	80	0.02
55	TMP	4-Nitrophenol	80.000	74.388		7.0	76	0.02
56	T	Fluorene	80.000	81.152		-1.4	83	0.01
57	T	4-Chlorophenyl-phenylether	80.000	81.582		-2.0	85	0.00
58	T	Diethylphthalate	80.000	88.146		-10.2	90	0.01
59	T	4-Nitroaniline	80.000	76.563		4.3	75	0.01
60	S	SURR3,2,4,6-TRIBROMOPHENOL	80.000	73.632		8.0	76	0.00
61	IR	d10-Phenanthrene	40.000	40.000		0.0	86	0.00
62	T	1-Phenyl-1(4-methyl-phenyl)	80.000	79.413		0.7	86	0.01
63	T	4,6-Dinitro-2-methylphenol	80.000	71.411		10.7	79	0.02
64	T	1,2 Diphenylhydrazine	80.000	81.104		-1.4	87	0.01
65	TC	N-Nitrosodiphenylamine	80.000	76.744		4.1	82	0.00
66	T	4-Bromophenyl-phenylether	80.000	76.140		4.8	82	0.00
67	T	1-Phenyl-1(2,4-dimethylphen	80.000	81.249		-1.6	87	0.00
68	T	Hexachlorobenzene	80.000	77.642		2.9	84	0.00
69	T	Atrazine	80.000	57.277		28.4#	62	0.00
70	TCM	Pentachlorophenol	80.000	75.935		5.1	82	0.00
71	T	Phenanthrene	80.000	81.128		-1.4	87	0.00
72	T	Anthracene	80.000	80.637		-0.8	86	0.00
73	T	Carbazole	80.000	81.377		-1.7	86	0.00
74	T	Di-n-butylphthalate	80.000	85.886		-7.4	89	0.00
75	TC	Fluoranthene	80.000	87.043		-8.8	92	0.00
76	IR	d12-Chrysene	40.000	40.000		0.0	86	-0.05
77	T	Benzidine	80.000	37.043	N.T	53.7#	36	0.00
78	TM	Pyrene	80.000	84.010		-5.0	92	0.00

(#) = Out of Range

00849

Data File : J:\ACQUDATA\5973A\DATA\01022008\BQ768.D Vial: 1
Acq On : 2 Jan 2008 10:21 am Operator: Z.Miao
Sample : CALIBRATION CHECK Inst : 5973-A
Misc : 80 PPM STD 8270/625 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : J:\ACQUDATA\5973A\METHODS\82701113.M (RTE Integrator)
Title : 8270 BNA ANALYSIS
Last Update : Mon Dec 31 12:32:31 2007
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
79	S	SURR6,TERPHENYL-D14	80.000	82.263	-2.8	90	0.00
80	T	Butyl benzyl phthalate	80.000	82.519	-3.1	87	-0.01
81	T	3,3'-Dichlorobenzidine	80.000	81.335	-1.7	83	-0.05
82	T	Benzo(a)anthracene	80.000	82.114	-2.6	87	-0.06
83	T	Chrysene	80.000	80.453	-0.6	86	-0.06
84	T	bis(2-Ethylhexyl)phthalate	80.000	80.746	-0.9	85	-0.06
85	IR	d12-Perylene	40.000	40.000	0.0	83	-0.16
86	TC	Di-n-octyl phthalate	80.000	79.010	1.2	79	-0.13
87	T	Benzo(b)Fluoranthene	80.000	81.476	-1.8	86	-0.16
88	T	Benzo(k)fluoranthene	80.000	80.635	-0.8	83	-0.17
89	TC	Benzo(a)pyrene	80.000	82.377	-3.0	84	-0.16
90	T	Indeno(1,2,3-cd)Pyrene	80.000	88.589	-10.7	91	-0.16
91	T	Dibenz(a,h)anthracene	80.000	87.885	-9.9	91	-0.18
92	T	Benzo(g,h,i)perylene	80.000	88.096	-10.1	91	-0.19

00850

Evaluate Continuing Calibration Report

Data File : J:\ACQUDATA\5973A\DATA\010908\BQ920.D Vial: 14
Acq On : 9 Jan 2008 8:32 pm Operator: Z.Miao
Sample : CALIBRATION CHECK Inst : 5973-A
Misc : 80 PPM STD 8270/625 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : J:\ACQUDATA\5973A\METHODS\82700109.M (RTE Integrator)
Title : 8270 BNA ANALYSIS
Last Update : Thu Jan 10 08:38:51 2008
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	IR	d4-1,4-Dichlorobenzene	1.000	1.000	0.0	76	0.00
2	T	Pyridine	1.328	1.307	1.6	74	0.00
3	T	N-Nitrosodimethylamine	0.790	0.769	2.7	71	0.00
4	S	SURR1,2-FLUOROPHENOL	0.933	0.946	-1.4	76	0.00
5	T	Benzaldehyde	0.434	0.570	-31.3#	87	0.00
6	T	Aniline	1.729	1.676	3.1	74	0.00
7	S	SURR2,PHENOL-D6	1.390	1.404	-1.0	76	0.00
8	TMC	Phenol	1.391	1.436	-3.2	78	0.00
9	T	bis(2-Clethyl)Ether	1.177	1.155	1.9	74	0.00
10	TM	2-Chlorophenol	1.212	1.203	0.7	77	0.00
11	T	1,3-Diclbenzene	1.504	1.511	-0.5	76	0.00
12	TMC	1,4-Dichlorobenzene	1.512	1.529	-1.1	75	0.00
13	T	1,2-Diclbenzene	1.473	1.482	-0.6	77	0.00
14	T	Benzyl Alcohol	1.688	1.710	-1.3	76	0.00
15	T	2,2'-oxybis(1-Chloropropane	0.796	0.773	2.9	74	0.00
16	T	2-Methylphenol	1.157	1.142	1.3	73	0.00
17	T	Acetophenone	1.827	1.868	-2.2	77	0.00
18	TMP	N-Nitroso-Di-n-propylamine	1.182	1.217	-3.0	78	0.00
19	T	Hexachloroethane	0.784	0.817	-4.2	78	0.00
20	T	4-Methylphenol	1.288	1.311	-1.8	78	0.00
21	T	1-Methyl-2-pyrrolidinone	0.819	0.834	-1.8	75	0.00
22	IR	d8-Naphthalene	1.000	1.000	0.0	74	0.00
23	S	SURR4,NITROBENZENE-D5	0.524	0.534	-1.9	76	0.00
24	T	Nitrobenzene	0.536	0.542	-1.1	76	0.00
25	T	Isophorone	0.704	0.735	-4.4	77	0.00
26	TC	2-Nitrophenol	0.176	0.187	-6.3	79	0.00
27	T	Benzoic Acid	0.260	0.254	2.3	72	0.00
28	T	2,4-Dimethylphenol	0.393	0.405	-3.1	78	0.00
29	T	bis(-2-Chloroethoxy)Methane	0.400	0.416	-4.0	79	0.00
30	TC	2,4-Dichlorophenol	0.310	0.320	-3.2	76	0.00
31	TM	1,2,4-Trichlorobenzene	0.385	0.400	-3.9	78	0.00
32	T	Naphthalene	0.965	0.992	-2.8	76	0.00
33	T	4-Chloroaniline	0.390	0.409	-4.9	77	0.00
34	TC	Hexachlorobutadiene	0.245	0.253	-3.3	76	0.00
35	TMC	4-Chloro-3-methylphenol	0.390	0.405	-3.8	76	0.00
36	T	Caprolactam	0.107	0.118	-10.3	79	0.00
37	T	2-Methylnaphthalene	0.722	0.753	-4.3	78	0.00
38	T	1-Methylnaphthalene	0.738	0.778	-5.4	78	0.00
39	IR	d10-Acenaphthene	1.000	1.000	0.0	79	0.00

(#) = Out of Range

00857

Data File : J:\ACQUDATA\5973A\DATA\010908\BQ920.D Vial: 14
Acq On : 9 Jan 2008 8:32 pm Operator: Z.Miao
Sample : CALIBRATION CHECK Inst : 5973-A
Misc : 80 PPM STD 8270/625 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : J:\ACQUDATA\5973A\METHODS\82700109.M (RTE Integrator)
Title : 8270 BNA ANALYSIS
Last Update : Thu Jan 10 08:38:51 2008
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
40	TP	Hexachlorocyclopentadiene	0.366	0.375	-2.5	78	0.00
41	TC	2,4,6-Trichlorophenol	0.379	0.380	-0.3	78	0.00
42	T	2,4,5-Trichlorophenol	0.409	0.414	-1.2	77	0.01
43	S	SURR5,2-FLUOROBIPHENYL	1.251	1.258	-0.6	79	0.00
44	T	1,1'-Biphenyl	1.399	1.419	-1.4	79	0.00
45	T	2-Chloronaphthalene	1.043	1.062	-1.8	78	0.00
46	T	2-Nitroaniline	0.452	0.460	-1.8	79	0.00
47	T	Acenaphthylene	1.640	1.679	-2.4	80	0.00
48	T	Dimethyl phthalate	1.291	1.354	-4.9	82	0.00
49	T	2,6-Dinitrotoluene	0.306	0.324	-5.9	83	0.01
50	TMC	Acenaphthene	1.143	1.181	-3.3	79	0.00
51	T	3-Nitroaniline	0.295	0.307	-4.1	82	0.00
52	TP	2,4-Dinitrophenol	0.180	0.171	5.0	76	0.00
53	T	Dibenzofuran	1.646	1.684	-2.3	80	0.01
54	TM	2,4-Dinitrotoluene	0.416	0.436	-4.8	82	0.00
55	TMP	4-Nitrophenol	0.394	0.418	-6.1	81	0.00
56	T	Fluorene	1.382	1.439	-4.1	80	0.00
57	T	4-Chlorophenyl-phenylether	0.694	0.705	-1.6	78	0.00
58	T	Diethylphthalate	1.402	1.476	-5.3	82	0.00
59	T	4-Nitroaniline	0.295	0.320	-8.5	82	0.00
60	S	SURR3,2,4,6-TRIBROMOPHENOL	0.185	0.197	-6.5	82	0.00
61	IR	d10-Phenanthrene	1.000	1.000	0.0	84	0.01
62	T	1-Phenyl-1(4-methyl-phenyl)	0.442	0.429	2.9	81	0.00
63	T	4,6-Dinitro-2-methylphenol	0.125	0.119	4.8	79	0.00
64	T	1,2 Diphenylhydrazine	0.927	0.899	3.0	80	0.01
65	TC	N-Nitrosodiphenylamine	0.536	0.516	3.7	80	0.00
66	T	4-Bromophenyl-phenylether	0.188	0.178	5.3	78	0.00
67	T	1-Phenyl-1(2,4-dimethylphen	0.553	0.529	4.3	79	0.00
68	T	Hexachlorobenzene	0.197	0.189	4.1	81	0.00
69	T	Atrazine	0.104	0.103	1.0	84	0.00
70	TCM	Pentachlorophenol	0.132	0.126	4.5	80	0.00
71	T	Phenanthrene	1.043	1.045	-0.2	83	0.00
72	T	Anthracene	1.052	1.071	-1.8	83	0.01
73	T	Carbazole	0.896	0.911	-1.7	85	0.01
74	T	Di-n-butylphthalate	1.142	1.188	-4.0	85	0.01
75	TC	Fluoranthene	1.180	1.192	-1.0	83	0.01
76	IR	d12-Chrysene	1.000	1.000	0.0	83	0.01
77	T	Benzidine	0.299	0.393	-31.4#	99	0.01
78	TM	Pyrene	1.257	1.279	-1.8	83	0.01

(#) = Out of Range

Data File : J:\ACQUDATA\5973A\DATA\010908\BQ920.D Vial: 14
Acq On : 9 Jan 2008 8:32 pm Operator: Z.Miao
Sample : CALIBRATION CHECK Inst : 5973-A
Misc : 80 PPM STD 8270/625 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : J:\ACQUDATA\5973A\METHODS\82700109.M (RTE Integrator)
Title : 8270 BNA ANALYSIS
Last Update : Thu Jan 10 08:38:51 2008
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
79	S	SURR6,TERPHENYL-D14	0.908	0.937	-3.2	83	0.01
80	T	Butyl benzyl phthalate	0.606	0.629	-3.8	82	0.00
81	T	3,3'-Dichlorobenzidine	0.387	0.410	-5.9	83	0.01
82	T	Benzo(a)anthracene	1.224	1.243	-1.6	82	0.00
83	T	Chrysene	1.146	1.181	-3.1	81	0.01
84	T	bis(2-Ethylhexyl)phthalate	0.795	0.835	-5.0	82	0.02
85	IR	d12-Perylene	1.000	1.000	0.0	83	0.01
86	TC	Di-n-octyl phthalate	1.612	1.640	-1.7	81	0.01
87	T	Benzo(b)Fluoranthene	1.396	1.402	-0.4	83	0.02
88	T	Benzo(k)fluoranthene	1.357	1.382	-1.8	83	0.01
89	TC	Benzo(a)pyrene	1.316	1.300	1.2	82	0.01
90	T	Indeno(1,2,3-cd)Pyrene	1.898	1.852	2.4	78	0.00
91	T	Dibenz(a,h)anthracene	1.623	1.577	2.8	77	0.02
92	T	Benzo(g,h,i)perylene	1.599	1.559	2.5	80	0.00

Validated Results - CAS SDG R2741250

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B
Reported: 01/22/08

ENSR International
Project Reference: CON EDISON PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD7 (19-21)

Date Sampled : 12/03/07 13:30 **Order #:** 1060877 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/10/07 **Submission #:** R2741250 **Percent Solid:** 56.9

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 12/12/07			
ANALYTICAL DILUTION: 1.00			Dry Weight
ACETONE	20	93	UG/KG
BENZENE	5.0	8.8 U	UG/KG
BROMODICHLOROMETHANE	5.0	8.8 U	UG/KG
BROMOFORM	5.0	8.8 U	UG/KG
BROMOMETHANE	5.0	8.8 U	UG/KG
2-BUTANONE (MEK)	10	17 J	UG/KG
METHYL-TERT-BUTYL ETHER	5.0	8.8 UJ	UG/KG
CARBON DISULFIDE	10	23	UG/KG
CARBON TETRACHLORIDE	5.0	8.8 U	UG/KG
CHLOROBENZENE	5.0	8.8 U	UG/KG
CHLOROETHANE	10	18 U	UG/KG
CHLOROFORM	5.0	8.8 U	UG/KG
CHLOROMETHANE	5.0	8.8 U	UG/KG
1,2-DIBROMO-3-CHLOROPROPANE	5.0	8.8 U	UG/KG
CYCLOHEXANE	5.0	8.8 U	UG/KG
DIBROMOCHLOROMETHANE	5.0	8.8 U	UG/KG
1,2-DIBROMOETHANE	5.0	8.8 U	UG/KG
1,3-DICHLOROBENZENE	5.0	8.8 U	UG/KG
1,4-DICHLOROBENZENE	5.0	8.8 U	UG/KG
1,2-DICHLOROBENZENE	5.0	8.8 U	UG/KG
DICHLORODIFLUOROMETHANE	5.0	8.8 UJ	UG/KG
1,1-DICHLOROETHANE	5.0	8.8 U	UG/KG
1,2-DICHLOROETHANE	5.0	8.8 U	UG/KG
1,1-DICHLOROETHENE	5.0	8.8 U	UG/KG
CIS-1,2-DICHLOROETHENE	5.0	0.83 J	UG/KG
TRANS-1,2-DICHLOROETHENE	5.0	8.8 U	UG/KG
1,2-DICHLOROPROPANE	5.0	8.8 U	UG/KG
CIS-1,3-DICHLOROPROPENE	5.0	8.8 U	UG/KG
TRANS-1,3-DICHLOROPROPENE	5.0	8.8 U	UG/KG
ETHYLBENZENE	5.0	2.5 J	UG/KG
2-HEXANONE	10	18 U	UG/KG
ISOPROPYLBENZENE	5.0	0.60 J	UG/KG
METHYL ACETATE	10	18 U	UG/KG
METHYLCYCLOHEXANE	5.0	8.8 U	UG/KG
METHYLENE CHLORIDE	5.0	8.8 U	UG/KG
4-METHYL-2-PENTANONE (MIBK)	10	18 U	UG/KG
STYRENE	5.0	8.8 U	UG/KG
1,1,2,2-TETRACHLOROETHANE	5.0	8.8 U	UG/KG
TETRACHLOROETHENE	5.0	8.8 U	UG/KG
TOLUENE	5.0	8.8U ~~2.8 JB~~	UG/KG
1,2,4-TRICHLOROBENZENE	5.0	8.8 U	UG/KG
1,1,1-TRICHLOROETHANE	5.0	8.8 U	UG/KG
1,1,2-TRICHLOROETHANE	5.0	8.8 U	UG/KG
TRICHLOROETHENE	5.0	8.8 U	UG/KG

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B
Reported: 01/22/08

ENSR International
Project Reference: CON EDISON PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD7 (19-21)

Date Sampled : 12/03/07 13:30 **Order #:** 1060877 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/10/07 **Submission #:** R2741250 **Percent Solid:** 56.9

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 12/12/07			
ANALYTICAL DILUTION: 1.00			Dry Weight
TRICHLOROFLUOROMETHANE	5.0	8.8 U	UG/KG
1,1,2-TRICHLORO1,2,2-TRIFLUOROETHA	5.0	8.8 UJ	UG/KG
VINYL CHLORIDE	5.0	8.8 U	UG/KG
O-XYLENE	5.0	1.4 J	UG/KG
M+P-XYLENE	5.0	1.4 J	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(50 - 135 %)	90	%
TOLUENE-D8	(75 - 128 %)	89	%
DIBROMOFLUOROMETHANE	(58 - 133 %)	91	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B
Reported: 01/15/08

ENSR International
Project Reference: CON EDISON PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD9 (2-4)

Date Sampled : 12/05/07 10:10 **Order #:** 1060882 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/10/07 **Submission #:** R2741250 **Percent Solid:** 85.3

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 12/13/07			
ANALYTICAL DILUTION: 125.00			Dry Weight
ACETONE	20	2900 UJ	UG/KG
BENZENE	5.0	730 U	UG/KG
BROMODICHLOROMETHANE	5.0	730 U	UG/KG
BROMOFORM	5.0	730 U	UG/KG
BROMOMETHANE	5.0	730 U	UG/KG
2-BUTANONE (MEK)	10	1500UJ ~~140 JB~~	UG/KG
METHYL-TERT-BUTYL ETHER	5.0	730 U	UG/KG
CARBON DISULFIDE	10	1500 U	UG/KG
CARBON TETRACHLORIDE	5.0	730 U	UG/KG
CHLOROBENZENE	5.0	730 U	UG/KG
CHLOROETHANE	10	88 J	UG/KG
CHLOROFORM	5.0	730 U	UG/KG
CHLOROMETHANE	5.0	730 U	UG/KG
1,2-DIBROMO-3-CHLOROPROPANE	5.0	730 U	UG/KG
CYCLOHEXANE	5.0	730 U	UG/KG
DIBROMOCHLOROMETHANE	5.0	730 U	UG/KG
1,2-DIBROMOETHANE	5.0	730 U	UG/KG
1,3-DICHLOROBENZENE	5.0	730 U	UG/KG
1,4-DICHLOROBENZENE	5.0	730 U	UG/KG
1,2-DICHLOROBENZENE	5.0	730 U	UG/KG
DICHLORODIFLUOROMETHANE	5.0	730 U	UG/KG
1,1-DICHLOROETHANE	5.0	730 U	UG/KG
1,2-DICHLOROETHANE	5.0	730 U	UG/KG
1,1-DICHLOROETHENE	5.0	730 U	UG/KG
CIS-1,2-DICHLOROETHENE	5.0	730 U	UG/KG
TRANS-1,2-DICHLOROETHENE	5.0	730 U	UG/KG
1,2-DICHLOROPROPANE	5.0	730 U	UG/KG
CIS-1,3-DICHLOROPROPENE	5.0	730 U	UG/KG
TRANS-1,3-DICHLOROPROPENE	5.0	730 U	UG/KG
ETHYLBENZENE	5.0	1000	UG/KG
2-HEXANONE	10	1500 U	UG/KG
ISOPROPYLBENZENE	5.0	620 J	UG/KG
METHYL ACETATE	10	1500 U	UG/KG
METHYLCYCLOHEXANE	5.0	730 U	UG/KG
METHYLENE CHLORIDE	5.0	730 U	UG/KG
4-METHYL-2-PENTANONE (MIBK)	10	1500 U	UG/KG
STYRENE	5.0	730 U	UG/KG
1,1,2,2-TETRACHLOROETHANE	5.0	730 U	UG/KG
TETRACHLOROETHENE	5.0	730 U	UG/KG
TOLUENE	5.0	730 U	UG/KG
1,2,4-TRICHLOROBENZENE	5.0	730 U	UG/KG
1,1,1-TRICHLOROETHANE	5.0	730 U	UG/KG
1,1,2-TRICHLOROETHANE	5.0	730 U	UG/KG
TRICHLOROETHENE	5.0	730 U	UG/KG

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B
Reported: 01/15/08

ENSR International
Project Reference: CON EDISON PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD9 (2-4)

Date Sampled : 12/05/07 10:10 **Order #:** 1060882 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/10/07 **Submission #:** R2741250 **Percent Solid:** 85.3

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 12/13/07			
ANALYTICAL DILUTION: 125.00			Dry Weight
TRICHLOROFLUOROMETHANE	5.0	730 U	UG/KG
1,1,2-TRICHLORO1,2,2-TRIFLUOROETHA	5.0	730 U	UG/KG
VINYL CHLORIDE	5.0	730 U	UG/KG
O-XYLENE	5.0	180 J	UG/KG
M+P-XYLENE	5.0	83 J	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(50 - 135 %)	95	%
TOLUENE-D8	(75 - 128 %)	98	%
DIBROMOFLUOROMETHANE	(58 - 133 %)	95	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B
Reported: 01/15/08

ENSR International
Project Reference: CON EDISON PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD9 (5-7)

Date Sampled : 12/05/07 10:45 **Order #:** 1060888 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/10/07 **Submission #:** R2741250 **Percent Solid:** 58.6

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 12/12/07			
ANALYTICAL DILUTION: 1.00			Dry Weight
ACETONE	20	110	UG/KG
BENZENE	5.0	1.3 J	UG/KG
BROMODICHLOROMETHANE	5.0	8.5 U	UG/KG
BROMOFORM	5.0	8.5 U	UG/KG
BROMOMETHANE	5.0	8.5 U	UG/KG
2-BUTANONE (MEK)	10	19	UG/KG
METHYL-TERT-BUTYL ETHER	5.0	8.5 UJ	UG/KG
CARBON DISULFIDE	10	12 J	UG/KG
CARBON TETRACHLORIDE	5.0	8.5 U	UG/KG
CHLOROBENZENE	5.0	8.5 U	UG/KG
CHLOROETHANE	10	17 U	UG/KG
CHLOROFORM	5.0	8.5 U	UG/KG
CHLOROMETHANE	5.0	8.5 U	UG/KG
1,2-DIBROMO-3-CHLOROPROPANE	5.0	8.5 U	UG/KG
CYCLOHEXANE	5.0	8.5 U	UG/KG
DIBROMOCHLOROMETHANE	5.0	8.5 U	UG/KG
1,2-DIBROMOETHANE	5.0	8.5 U	UG/KG
1,3-DICHLOROBENZENE	5.0	8.5 U	UG/KG
1,4-DICHLOROBENZENE	5.0	8.5 U	UG/KG
1,2-DICHLOROBENZENE	5.0	8.5 U	UG/KG
DICHLORODIFLUOROMETHANE	5.0	8.5 UJ	UG/KG
1,1-DICHLOROETHANE	5.0	8.5 U	UG/KG
1,2-DICHLOROETHANE	5.0	8.5 U	UG/KG
1,1-DICHLOROETHENE	5.0	8.5 U	UG/KG
CIS-1,2-DICHLOROETHENE	5.0	8.5 U	UG/KG
TRANS-1,2-DICHLOROETHENE	5.0	8.5 U	UG/KG
1,2-DICHLOROPROPANE	5.0	8.5 U	UG/KG
CIS-1,3-DICHLOROPROPENE	5.0	8.5 U	UG/KG
TRANS-1,3-DICHLOROPROPENE	5.0	8.5 U	UG/KG
ETHYLBENZENE	5.0	2.7 J	UG/KG
2-HEXANONE	10	17 U	UG/KG
ISOPROPYLBENZENE	5.0	8.5 U	UG/KG
METHYL ACETATE	10	17 U	UG/KG
METHYLCYCLOHEXANE	5.0	8.5 U	UG/KG
METHYLENE CHLORIDE	5.0	8.5 U ~~0.80 JB~~	UG/KG
4-METHYL-2-PENTANONE (MIBK)	10	17 U	UG/KG
STYRENE	5.0	8.5 U	UG/KG
1,1,2,2-TETRACHLOROETHANE	5.0	8.5 U	UG/KG
TETRACHLOROETHENE	5.0	8.5 U	UG/KG
TOLUENE	5.0	8.5 U ~~2.6 JB~~	UG/KG
1,2,4-TRICHLOROBENZENE	5.0	8.5 U	UG/KG
1,1,1-TRICHLOROETHANE	5.0	8.5 U	UG/KG
1,1,2-TRICHLOROETHANE	5.0	8.5 U	UG/KG
TRICHLOROETHENE	5.0	8.5 U	UG/KG

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B
Reported: 01/15/08

ENSR International
Project Reference: CON EDISON PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD9 (5-7)

Date Sampled : 12/05/07 10:45 **Order #:** 1060888 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/10/07 **Submission #:** R2741250 **Percent Solid:** 58.6

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 12/12/07			
ANALYTICAL DILUTION: 1.00			Dry Weight
TRICHLOROFLUOROMETHANE	5.0	8.5 U	UG/KG
1,1,2-TRICHLORO1,2,2-TRIFLUOROETHA	5.0	8.5 UJ	UG/KG
VINYL CHLORIDE	5.0	8.5 U	UG/KG
O-XYLENE	5.0	1.5 J	UG/KG
M+P-XYLENE	5.0	1.7 J	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(50 - 135 %)	89	%
TOLUENE-D8	(75 - 128 %)	94	%
DIBROMOFLUOROMETHANE	(58 - 133 %)	92	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B
Reported: 01/15/08

ENSR International
Project Reference: CON EDISON PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD10 (2-3)

Date Sampled : 12/05/07 12:30 **Order #:** 1060892 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/10/07 **Submission #:** R2741250 **Percent Solid:** 78.3

DATE ANALYZED : 12/13/07
ANALYTICAL DILUTION: 125.00

ANALYTE	PQL	RESULT	UNITS
			Dry Weight
ACETONE	20	450 J	UG/KG
BENZENE	5.0	310 J	UG/KG
BROMODICHLOROMETHANE	5.0	800 U	UG/KG
BROMOFORM	5.0	800 U	UG/KG
BROMOMETHANE	5.0	800 U	UG/KG
2-BUTANONE (MEK)	10	1600 ~~230 JB~~	UG/KG
METHYL-TERT-BUTYL ETHER	5.0	800 U	UG/KG
CARBON DISULFIDE	10	1600 U	UG/KG
CARBON TETRACHLORIDE	5.0	800 U	UG/KG
CHLOROBENZENE	5.0	800 U	UG/KG
CHLOROETHANE	10	1600 U	UG/KG
CHLOROFORM	5.0	800 U	UG/KG
CHLOROMETHANE	5.0	800 U	UG/KG
1,2-DIBROMO-3-CHLOROPROPANE	5.0	800 U	UG/KG
CYCLOHEXANE	5.0	800 U	UG/KG
DIBROMOCHLOROMETHANE	5.0	800 U	UG/KG
1,2-DIBROMOETHANE	5.0	800 U	UG/KG
1,3-DICHLOROBENZENE	5.0	800 U	UG/KG
1,4-DICHLOROBENZENE	5.0	800 U	UG/KG
1,2-DICHLOROBENZENE	5.0	800 U	UG/KG
DICHLORODIFLUOROMETHANE	5.0	800 U	UG/KG
1,1-DICHLOROETHANE	5.0	800 U	UG/KG
1,2-DICHLOROETHANE	5.0	800 U	UG/KG
1,1-DICHLOROETHENE	5.0	800 U	UG/KG
CIS-1,2-DICHLOROETHENE	5.0	800 U	UG/KG
TRANS-1,2-DICHLOROETHENE	5.0	800 U	UG/KG
1,2-DICHLOROPROPANE	5.0	800 U	UG/KG
CIS-1,3-DICHLOROPROPENE	5.0	800 U	UG/KG
TRANS-1,3-DICHLOROPROPENE	5.0	800 U	UG/KG
ETHYLBENZENE	5.0	450 J	UG/KG
2-HEXANONE	10	1600 U	UG/KG
ISOPROPYLBENZENE	5.0	1400	UG/KG
METHYL ACETATE	10	1600 U	UG/KG
METHYLCYCLOHEXANE	5.0	800 U	UG/KG
METHYLENE CHLORIDE	5.0	800 U	UG/KG
4-METHYL-2-PENTANONE (MIBK)	10	1600 U	UG/KG
STYRENE	5.0	800 U	UG/KG
1,1,2,2-TETRACHLOROETHANE	5.0	800 U	UG/KG
TETRACHLOROETHENE	5.0	800 U	UG/KG
TOLUENE	5.0	59 J	UG/KG
1,2,4-TRICHLOROBENZENE	5.0	800 U	UG/KG
1,1,1-TRICHLOROETHANE	5.0	800 U	UG/KG
1,1,2-TRICHLOROETHANE	5.0	800 U	UG/KG
TRICHLOROETHENE	5.0	800 U	UG/KG

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B
Reported: 01/15/08

ENSR International
Project Reference: CON EDISON PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD10 (2-3)

Date Sampled : 12/05/07 12:30 **Order #:** 1060892 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/10/07 **Submission #:** R2741250 **Percent Solid:** 78.3

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 12/13/07			
ANALYTICAL DILUTION: 125.00			Dry Weight
TRICHLOROFLUOROMETHANE	5.0	800 U	UG/KG
1,1,2-TRICHLORO1,2,2-TRIFLUOROETHA	5.0	800 U	UG/KG
VINYL CHLORIDE	5.0	800 U	UG/KG
O-XYLENE	5.0	220 J	UG/KG
M+P-XYLENE	5.0	140 J	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(50 - 135 %)	93	%
TOLUENE-D8	(75 - 128 %)	99	%
DIBROMOFLUOROMETHANE	(58 - 133 %)	101	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B
Reported: 01/15/08

ENSR International
Project Reference: CON EDISON PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD11 (6-8)

Date Sampled : 12/05/07 14:15 **Order #:** 1060894 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/10/07 **Submission #:** R2741250 **Percent Solid:** 53.2

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 12/13/07			
ANALYTICAL DILUTION: 5.00			Dry Weight
ACETONE	20	900 J	UG/KG
BENZENE	5.0	450	UG/KG
BROMODICHLOROMETHANE	5.0	47 U	UG/KG
BROMOFORM	5.0	47 U	UG/KG
BROMOMETHANE	5.0	47 U	UG/KG
2-BUTANONE (MEK)	10	230 J	UG/KG
METHYL-TERT-BUTYL ETHER	5.0	47 U	UG/KG
CARBON DISULFIDE	10	34 J	UG/KG
CARBON TETRACHLORIDE	5.0	47 U	UG/KG
CHLOROBENZENE	5.0	47 U	UG/KG
CHLOROETHANE	10	94 U	UG/KG
CHLOROFORM	5.0	47 U	UG/KG
CHLOROMETHANE	5.0	47 U	UG/KG
1,2-DIBROMO-3-CHLOROPROPANE	5.0	47 U	UG/KG
CYCLOHEXANE	5.0	4.7 J	UG/KG
DIBROMOCHLOROMETHANE	5.0	47 U	UG/KG
1,2-DIBROMOETHANE	5.0	47 U	UG/KG
1,3-DICHLOROBENZENE	5.0	47 U	UG/KG
1,4-DICHLOROBENZENE	5.0	47 U	UG/KG
1,2-DICHLOROBENZENE	5.0	47 U	UG/KG
DICHLORODIFLUOROMETHANE	5.0	47 UJ	UG/KG
1,1-DICHLOROETHANE	5.0	47 U	UG/KG
1,2-DICHLOROETHANE	5.0	11 J	UG/KG
1,1-DICHLOROETHENE	5.0	47 U	UG/KG
CIS-1,2-DICHLOROETHENE	5.0	47 U	UG/KG
TRANS-1,2-DICHLOROETHENE	5.0	47 U	UG/KG
1,2-DICHLOROPROPANE	5.0	47 U	UG/KG
CIS-1,3-DICHLOROPROPENE	5.0	47 U	UG/KG
TRANS-1,3-DICHLOROPROPENE	5.0	47 U	UG/KG
ETHYLBENZENE	5.0	280 J	UG/KG
2-HEXANONE	10	94 U	UG/KG
ISOPROPYLBENZENE	5.0	~~1900 E~~	UG/KG do not report
METHYL ACETATE	10	94 U	UG/KG
METHYLCYCLOHEXANE	5.0	21 J	UG/KG
METHYLENE CHLORIDE	5.0	47 U	UG/KG
4-METHYL-2-PENTANONE (MIBK)	10	94 U	UG/KG
STYRENE	5.0	47 U	UG/KG
1,1,2,2-TETRACHLOROETHANE	5.0	47 U	UG/KG
TETRACHLOROETHENE	5.0	47 U	UG/KG
TOLUENE	5.0	47U ~~16 J~~	UG/KG
1,2,4-TRICHLOROBENZENE	5.0	47 U	UG/KG
1,1,1-TRICHLOROETHANE	5.0	47 U	UG/KG
1,1,2-TRICHLOROETHANE	5.0	47 U	UG/KG
TRICHLOROETHENE	5.0	6.0 J	UG/KG

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B
Reported: 01/15/08

ENSR International
Project Reference: CON EDISON PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD11 (6-8)

Date Sampled : 12/05/07 14:15 **Order #:** 1060894 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/10/07 **Submission #:** R2741250 **Percent Solid:** 53.2

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 12/13/07			
ANALYTICAL DILUTION: 5.00			Dry Weight
TRICHLOROFLUOROMETHANE	5.0	47 U J	UG/KG
1,1,2-TRICHLORO1,2,2-TRIFLUOROETHA	5.0	47 U J	UG/KG
VINYL CHLORIDE	5.0	47 U	UG/KG
O-XYLENE	5.0	340	UG/KG
M+P-XYLENE	5.0	120	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(50 - 135 %)	86	%
TOLUENE-D8	(75 - 128 %)	88	%
DIBROMOFLUOROMETHANE	(58 - 133 %)	94	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B
Reported: 01/15/08

ENSR International
Project Reference: CON EDISON PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD11 (6-8)

Date Sampled : 12/05/07 14:15 **Order #:** 1060894 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/10/07 **Submission #:** R2741250 **Percent Solid:** 53.2

DATE ANALYZED : 12/13/07
ANALYTICAL DILUTION: 125.00

ANALYTE	PQL	RESULT	UNITS
			Dry Weight
ACETONE	20	4700 U	UG/KG
BENZENE	5.0	1200 U	UG/KG
BROMODICHLOROMETHANE	5.0	1200 U	UG/KG
BROMOFORM	5.0	1200 U	UG/KG
BROMOMETHANE	5.0	1200 U	UG/KG
2-BUTANONE (MEK)	10	2300 U	UG/KG
METHYL-TERT-BUTYL ETHER	5.0	1200 U	UG/KG
CARBON DISULFIDE	10	2300 U	UG/KG
CARBON TETRACHLORIDE	5.0	1200 U	UG/KG
CHLOROBENZENE	5.0	1200 U	UG/KG
CHLOROETHANE	10	2300 U	UG/KG
CHLOROFORM	5.0	1200 U	UG/KG
CHLOROMETHANE	5.0	1200 U	UG/KG
1,2-DIBROMO-3-CHLOROPROPANE	5.0	1200 U	UG/KG
CYCLOHEXANE	5.0	1200 U	UG/KG
DIBROMOCHLOROMETHANE	5.0	1200 U	UG/KG
1,2-DIBROMOETHANE	5.0	1200 U	UG/KG
1,3-DICHLOROBENZENE	5.0	1200 U	UG/KG
1,4-DICHLOROBENZENE	5.0	1200 U	UG/KG
1,2-DICHLOROBENZENE	5.0	1200 U	UG/KG
DICHLORODIFLUOROMETHANE	5.0	1200 U	UG/KG
1,1-DICHLOROETHANE	5.0	1200 U	UG/KG
1,2-DICHLOROETHANE	5.0	1200 U	UG/KG
1,1-DICHLOROETHENE	5.0	1200 U	UG/KG
CIS-1,2-DICHLOROETHENE	5.0	1200 U	UG/KG
TRANS-1,2-DICHLOROETHENE	5.0	1200 U	UG/KG
1,2-DICHLOROPROPANE	5.0	1200 U	UG/KG
CIS-1,3-DICHLOROPROPENE	5.0	1200 U	UG/KG
TRANS-1,3-DICHLOROPROPENE	5.0	1200 U	UG/KG
ETHYLBENZENE	5.0	5500	UG/KG
2-HEXANONE	10	2300 U	UG/KG
ISOPROPYLBENZENE	5.0	1400 D	UG/KG
METHYL ACETATE	10	2300 U	UG/KG
METHYLCYCLOHEXANE	5.0	1200 U	UG/KG
METHYLENE CHLORIDE	5.0	1200 U	UG/KG
4-METHYL-2-PENTANONE (MIBK)	10	2300 U	UG/KG
STYRENE	5.0	1200 U	UG/KG
1,1,2,2-TETRACHLOROETHANE	5.0	1200 U	UG/KG
TETRACHLOROETHENE	5.0	1200 U	UG/KG
TOLUENE	5.0	1200 U	UG/KG
1,2,4-TRICHLOROBENZENE	5.0	1200 U	UG/KG
1,1,1-TRICHLOROETHANE	5.0	1200 U	UG/KG
1,1,2-TRICHLOROETHANE	5.0	1200 U	UG/KG
TRICHLOROETHENE	5.0	1200 U	UG/KG

Report this result only

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B
Reported: 01/15/08

ENSR International
Project Reference: CON EDISON PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD11 (6-8)

Date Sampled : 12/05/07 14:15 **Order #:** 1060894 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/10/07 **Submission #:** R2741250 **Percent Solid:** 53.2

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 12/13/07			
ANALYTICAL DILUTION: 125.00			Dry Weight
TRICHLOROFLUOROMETHANE	5.0	1200 U	UG/KG
1,1,2-TRICHLORO1,2,2-TRIFLUOROETHA	5.0	1200 U	UG/KG
VINYL CHLORIDE	5.0	1200 U	UG/KG
O-XYLENE	5.0	770 J	UG/KG
M+P-XYLENE	5.0	320 J	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(50 - 135 %)	95	%
TOLUENE-D8	(75 - 128 %)	97	%
DIBROMOFLUOROMETHANE	(58 - 133 %)	98	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B
Reported: 01/15/08

ENSR International
Project Reference: CON EDISON PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD11 (16-17)

Date Sampled : 12/05/07 14:20 **Order #:** 1060895 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/10/07 **Submission #:** R2741250 **Percent Solid:** 81.0

DATE ANALYZED : 12/12/07
ANALYTICAL DILUTION: 1.00

ANALYTE	PQL	RESULT	UNITS
			Dry Weight
ACETONE	20	19 J	UG/KG
BENZENE	5.0	46	UG/KG
BROMODICHLOROMETHANE	5.0	6.2 U	UG/KG
BROMOFORM	5.0	6.2 U	UG/KG
BROMOMETHANE	5.0	6.2 U	UG/KG
2-BUTANONE (MEK)	10	2.5 J	UG/KG
METHYL-TERT-BUTYL ETHER	5.0	6.2 U J	UG/KG
CARBON DISULFIDE	10	4.4 J	UG/KG
CARBON TETRACHLORIDE	5.0	6.2 U	UG/KG
CHLOROBENZENE	5.0	6.2 U	UG/KG
CHLOROETHANE	10	12 U	UG/KG
CHLOROFORM	5.0	6.2 U	UG/KG
CHLOROMETHANE	5.0	6.2 U	UG/KG
1,2-DIBROMO-3-CHLOROPROPANE	5.0	6.2 U	UG/KG
CYCLOHEXANE	5.0	6.2 U	UG/KG
DIBROMOCHLOROMETHANE	5.0	6.2 U	UG/KG
1,2-DIBROMOETHANE	5.0	6.2 U	UG/KG
1,3-DICHLOROBENZENE	5.0	6.2 U	UG/KG
1,4-DICHLOROBENZENE	5.0	6.2 U	UG/KG
1,2-DICHLOROBENZENE	5.0	6.2 U	UG/KG
DICHLORODIFLUOROMETHANE	5.0	6.2 U J	UG/KG
1,1-DICHLOROETHANE	5.0	6.2 U	UG/KG
1,2-DICHLOROETHANE	5.0	1.0 J	UG/KG
1,1-DICHLOROETHENE	5.0	6.2 U	UG/KG
CIS-1,2-DICHLOROETHENE	5.0	6.2 U	UG/KG
TRANS-1,2-DICHLOROETHENE	5.0	6.2 U	UG/KG
1,2-DICHLOROPROPANE	5.0	6.2 U	UG/KG
CIS-1,3-DICHLOROPROPENE	5.0	6.2 U	UG/KG
TRANS-1,3-DICHLOROPROPENE	5.0	6.2 U	UG/KG
ETHYLBENZENE	5.0	16	UG/KG
2-HEXANONE	10	12 U	UG/KG
ISOPROPYLBENZENE	5.0	8.3	UG/KG
METHYL ACETATE	10	12 U	UG/KG
METHYLCYCLOHEXANE	5.0	6.2 U	UG/KG
METHYLENE CHLORIDE	5.0	6.2U ~~0.79 JB~~	UG/KG
4-METHYL-2-PENTANONE (MIBK)	10	12 U	UG/KG
STYRENE	5.0	6.2 U	UG/KG
1,1,2,2-TETRACHLOROETHANE	5.0	6.2 U	UG/KG
TETRACHLOROETHENE	5.0	6.2 U	UG/KG
TOLUENE	5.0	6.2U ~~1.5 JB~~	UG/KG
1,2,4-TRICHLOROBENZENE	5.0	6.2 U	UG/KG
1,1,1-TRICHLOROETHANE	5.0	6.2 U	UG/KG
1,1,2-TRICHLOROETHANE	5.0	6.2 U	UG/KG
TRICHLOROETHENE	5.0	6.2 U	UG/KG

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B
Reported: 01/15/08

ENSR International
Project Reference: CON EDISON PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD11 (16-17)

Date Sampled : 12/05/07 14:20 **Order #:** 1060895 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/10/07 **Submission #:** R2741250 **Percent Solid:** 81.0

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 12/12/07			
ANALYTICAL DILUTION: 1.00			Dry Weight
TRICHLOROFLUOROMETHANE	5.0	6.2 U	UG/KG
1,1,2-TRICHLORO1,2,2-TRIFLUOROETHA	5.0	6.2 UJ	UG/KG
VINYL CHLORIDE	5.0	6.2 U	UG/KG
O-XYLENE	5.0	1.4 J	UG/KG
M+P-XYLENE	5.0	1.5 J	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(50 - 135 %)	95	%
TOLUENE-D8	(75 - 128 %)	82	%
DIBROMOFLUOROMETHANE	(58 - 133 %)	92	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B
Reported: 01/15/08

ENSR International
Project Reference: CON EDISON PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD11 (19-20)

Date Sampled : 12/05/07 14:25 **Order #:** 1060897 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/10/07 **Submission #:** R2741250 **Percent Solid:** 81.8

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 12/13/07			
ANALYTICAL DILUTION: 5.00			Dry Weight
ACETONE	20	62 J	UG/KG
BENZENE	5.0	28 J	UG/KG
BROMODICHLOROMETHANE	5.0	31 U	UG/KG
BROMOFORM	5.0	31 U	UG/KG
BROMOMETHANE	5.0	31 U	UG/KG
2-BUTANONE (MEK)	10	61 U	UG/KG
METHYL-TERT-BUTYL ETHER	5.0	31 U	UG/KG
CARBON DISULFIDE	10	61 U	UG/KG
CARBON TETRACHLORIDE	5.0	31 U	UG/KG
CHLOROBENZENE	5.0	31 U	UG/KG
CHLOROETHANE	10	61 U	UG/KG
CHLOROFORM	5.0	31 U	UG/KG
CHLOROMETHANE	5.0	31 U	UG/KG
1,2-DIBROMO-3-CHLOROPROPANE	5.0	31 U	UG/KG
CYCLOHEXANE	5.0	31 U	UG/KG
DIBROMOCHLOROMETHANE	5.0	31 U	UG/KG
1,2-DIBROMOETHANE	5.0	31 U	UG/KG
1,3-DICHLOROBENZENE	5.0	31 U	UG/KG
1,4-DICHLOROBENZENE	5.0	31 U	UG/KG
1,2-DICHLOROBENZENE	5.0	31 U	UG/KG
DICHLORODIFLUOROMETHANE	5.0	31 UJ	UG/KG
1,1-DICHLOROETHANE	5.0	31 U	UG/KG
1,2-DICHLOROETHANE	5.0	31 UJ	UG/KG
1,1-DICHLOROETHENE	5.0	31 U	UG/KG
CIS-1,2-DICHLOROETHENE	5.0	31 U	UG/KG
TRANS-1,2-DICHLOROETHENE	5.0	31 U	UG/KG
1,2-DICHLOROPROPANE	5.0	31 U	UG/KG
CIS-1,3-DICHLOROPROPENE	5.0	31 U	UG/KG
TRANS-1,3-DICHLOROPROPENE	5.0	31 U	UG/KG
ETHYLBENZENE	5.0	210	UG/KG
2-HEXANONE	10	61 U	UG/KG
ISOPROPYLBENZENE	5.0	12 J	UG/KG
METHYL ACETATE	10	61 U	UG/KG
METHYLCYCLOHEXANE	5.0	31 U	UG/KG
METHYLENE CHLORIDE	5.0	3.4 J	UG/KG
4-METHYL-2-PENTANONE (MIBK)	10	61 U	UG/KG
STYRENE	5.0	31 U	UG/KG
1,1,2,2-TETRACHLOROETHANE	5.0	31 U	UG/KG
TETRACHLOROETHENE	5.0	31 U	UG/KG
TOLUENE	5.0	120	UG/KG
1,2,4-TRICHLOROBENZENE	5.0	31 U	UG/KG
1,1,1-TRICHLOROETHANE	5.0	31 U	UG/KG
1,1,2-TRICHLOROETHANE	5.0	31 U	UG/KG
TRICHLOROETHENE	5.0	2.4 J	UG/KG

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B
Reported: 01/15/08

ENSR International
Project Reference: CON EDISON PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD11 (19-20)

Date Sampled : 12/05/07 14:25 **Order #:** 1060897 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/10/07 **Submission #:** R2741250 **Percent Solid:** 81.8

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 12/13/07			
ANALYTICAL DILUTION: 5.00			Dry Weight
TRICHLOROFLUOROMETHANE	5.0	31 UJ	UG/KG
1,1,2-TRICHLORO1,2,2-TRIFLUOROETHA	5.0	31 UJ	UG/KG
VINYL CHLORIDE	5.0	31 U	UG/KG
O-XYLENE	5.0	77	UG/KG
M+P-XYLENE	5.0	150	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(50 - 135 %)	92	%
TOLUENE-D8	(75 - 128 %)	82	%
DIBROMOFLUOROMETHANE	(58 - 133 %)	90	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B
Reported: 01/15/08

ENSR International
Project Reference: CON EDISON PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD12 (2-4)

Date Sampled : 12/05/07 16:10 **Order #:** 1060898 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/10/07 **Submission #:** R2741250 **Percent Solid:** 47.4

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 12/13/07			
ANALYTICAL DILUTION: 1.00			Dry Weight
ACETONE	20	150 J	UG/KG
BENZENE	5.0	1.2 J	UG/KG
BROMODICHLOROMETHANE	5.0	11 UJ	UG/KG
BROMOFORM	5.0	11 UJ	UG/KG
BROMOMETHANE	5.0	11 UJ	UG/KG
2-BUTANONE (MEK)	10	38 J	UG/KG
METHYL-TERT-BUTYL ETHER	5.0	11 UJ	UG/KG
CARBON DISULFIDE	10	4.6 J	UG/KG
CARBON TETRACHLORIDE	5.0	11 UJ	UG/KG
CHLOROBENZENE	5.0	11 UJ	UG/KG
CHLOROETHANE	10	21 UJ	UG/KG
CHLOROFORM	5.0	11 UJ	UG/KG
CHLOROMETHANE	5.0	11 UJ	UG/KG
1,2-DIBROMO-3-CHLOROPROPANE	5.0	11 UJ	UG/KG
CYCLOHEXANE	5.0	2.0 J	UG/KG
DIBROMOCHLOROMETHANE	5.0	11 UJ	UG/KG
1,2-DIBROMOETHANE	5.0	11 UJ	UG/KG
1,3-DICHLOROBENZENE	5.0	11 UJ	UG/KG
1,4-DICHLOROBENZENE	5.0	11 UJ	UG/KG
1,2-DICHLOROBENZENE	5.0	11 UJ	UG/KG
DICHLORODIFLUOROMETHANE	5.0	11 UJ	UG/KG
1,1-DICHLOROETHANE	5.0	11 UJ	UG/KG
1,2-DICHLOROETHANE	5.0	11 UJ	UG/KG
1,1-DICHLOROETHENE	5.0	11 UJ	UG/KG
CIS-1,2-DICHLOROETHENE	5.0	2.5 J	UG/KG
TRANS-1,2-DICHLOROETHENE	5.0	11 UJ	UG/KG
1,2-DICHLOROPROPANE	5.0	11 UJ	UG/KG
CIS-1,3-DICHLOROPROPENE	5.0	11 UJ	UG/KG
TRANS-1,3-DICHLOROPROPENE	5.0	11 UJ	UG/KG
ETHYLBENZENE	5.0	1.3 J	UG/KG
2-HEXANONE	10	21 UJ	UG/KG
ISOPROPYLBENZENE	5.0	8.2 J	UG/KG
METHYL ACETATE	10	21 UJ	UG/KG
METHYLCYCLOHEXANE	5.0	3.2 J	UG/KG
METHYLENE CHLORIDE	5.0	1.4 J	UG/KG
4-METHYL-2-PENTANONE (MIBK)	10	21 UJ	UG/KG
STYRENE	5.0	11 UJ	UG/KG
1,1,2,2-TETRACHLOROETHANE	5.0	11 UJ	UG/KG
TETRACHLOROETHENE	5.0	11 UJ	UG/KG
TOLUENE	5.0	11 UJ ~~5.9 JB~~	UG/KG
1,2,4-TRICHLOROBENZENE	5.0	11 UJ	UG/KG
1,1,1-TRICHLOROETHANE	5.0	11 UJ	UG/KG
1,1,2-TRICHLOROETHANE	5.0	11 UJ	UG/KG
TRICHLOROETHENE	5.0	1.9 J	UG/KG

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B
Reported: 01/15/08

ENSR International
Project Reference: CON EDISON PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD12 (2-4)

Date Sampled : 12/05/07 16:10 **Order #:** 1060898 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/10/07 **Submission #:** R2741250 **Percent Solid:** 47.4

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 12/13/07			
ANALYTICAL DILUTION: 1.00			Dry Weight
TRICHLOROFLUOROMETHANE	5.0	11 UJ	UG/KG
1,1,2-TRICHLORO1,2,2-TRIFLUOROETHA	5.0	11 UJ	UG/KG
VINYL CHLORIDE	5.0	11 UJ	UG/KG
O-XYLENE	5.0	3.8 J	UG/KG
M+P-XYLENE	5.0	6.5 J	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(50 - 135 %)	76	%
TOLUENE-D8	(75 - 128 %)	91	%
DIBROMOFLUOROMETHANE	(58 - 133 %)	92	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B
Reported: 01/15/08

ENSR International
Project Reference: CON EDISON PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD12 (2-4)

Date Sampled : 12/05/07 16:10 **Order #:** 1060898 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/10/07 **Submission #:** R2741250 **Percent Solid:** 47.4

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 12/13/07			
ANALYTICAL DILUTION: 1.00			Dry Weight
ACETONE	20	200	UG/KG
BENZENE	5.0	1.6 J	UG/KG
BROMODICHLOROMETHANE	5.0	11 U	UG/KG
BROMOFORM	5.0	11 U	UG/KG
BROMOMETHANE	5.0	11 U	UG/KG
2-BUTANONE (MEK)	10	57	UG/KG
METHYL-TERT-BUTYL ETHER	5.0	11 U	UG/KG
CARBON DISULFIDE	10	3.4 J	UG/KG
CARBON TETRACHLORIDE	5.0	11 U	UG/KG
CHLOROBENZENE	5.0	11 U	UG/KG
CHLOROETHANE	10	21 U	UG/KG
CHLOROFORM	5.0	11 U	UG/KG
CHLOROMETHANE	5.0	11 U	UG/KG
1,2-DIBROMO-3-CHLOROPROPANE	5.0	11 U	UG/KG
CYCLOHEXANE	5.0	2.1 J	UG/KG
DIBROMOCHLOROMETHANE	5.0	11 U	UG/KG
1,2-DIBROMOETHANE	5.0	11 U	UG/KG
1,3-DICHLOROBENZENE	5.0	11 U	UG/KG
1,4-DICHLOROBENZENE	5.0	11 U	UG/KG
1,2-DICHLOROBENZENE	5.0	11 U	UG/KG
DICHLORODIFLUOROMETHANE	5.0	11 U	UG/KG
1,1-DICHLOROETHANE	5.0	11 U	UG/KG
1,2-DICHLOROETHANE	5.0	11 U	UG/KG
1,1-DICHLOROETHENE	5.0	11 U	UG/KG
CIS-1,2-DICHLOROETHENE	5.0	1.6 J	UG/KG
TRANS-1,2-DICHLOROETHENE	5.0	11 U	UG/KG
1,2-DICHLOROPROPANE	5.0	11 U	UG/KG
CIS-1,3-DICHLOROPROPENE	5.0	11 U	UG/KG
TRANS-1,3-DICHLOROPROPENE	5.0	11 U	UG/KG
ETHYLBENZENE	5.0	1.5 J	UG/KG
2-HEXANONE	10	21 U	UG/KG
ISOPROPYLBENZENE	5.0	12	UG/KG
METHYL ACETATE	10	21 U	UG/KG
METHYLCYCLOHEXANE	5.0	4.2 J	UG/KG
METHYLENE CHLORIDE	5.0	1.4 J	UG/KG
4-METHYL-2-PENTANONE (MIBK)	10	21 U	UG/KG
STYRENE	5.0	11 U	UG/KG
1,1,2,2-TETRACHLOROETHANE	5.0	11 U	UG/KG
TETRACHLOROETHENE	5.0	11 U	UG/KG
TOLUENE	5.0	4.4 JB	UG/KG
1,2,4-TRICHLOROBENZENE	5.0	11 U	UG/KG
1,1,1-TRICHLOROETHANE	5.0	11 U	UG/KG
1,1,2-TRICHLOROETHANE	5.0	11 U	UG/KG
TRICHLOROETHENE	5.0	1.7 J	UG/KG

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B
Reported: 01/15/08

ENSR International
Project Reference: CON EDISON PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD12 (2-4)

Date Sampled : 12/05/07 16:10 **Order #:** 1060898 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/10/07 **Submission #:** R2741250 **Percent Solid:** 47.4

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 12/13/00			
ANALYTICAL DILUTION: 1.00			Dry Weight
TRICHLOROFLUOROMETHANE	5.0	11 U	UG/KG
1,1,2-TRICHLORO1,2,2-TRIFLUOROETHA	5.0	11 U	UG/KG
VINYL CHLORIDE	5.0	11 U	UG/KG
O-XYLENE	5.0	4.4 J	UG/KG
M+P-XYLENE	5.0	7.0 J	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(50 - 135 %)	78	%
TOLUENE-D8	(75 - 128 %)	102	%
DIBROMOFLUOROMETHANE	(58 - 133 %)	95	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B
Reported: 01/15/08

ENSR International
Project Reference: CON EDISON PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD12 (4-6)

Date Sampled : 12/05/07 16:20 **Order #:** 1060899 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/10/07 **Submission #:** R2741250 **Percent Solid:** 73.5

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 12/12/07			
ANALYTICAL DILUTION: 1.00			Dry Weight
ACETONE	20	10 J	UG/KG
BENZENE	5.0	6.8 U	UG/KG
BROMODICHLOROMETHANE	5.0	6.8 U	UG/KG
BROMOFORM	5.0	6.8 U	UG/KG
BROMOMETHANE	5.0	6.8 U	UG/KG
2-BUTANONE (MEK)	10	2.2 J	UG/KG
METHYL-TERT-BUTYL ETHER	5.0	6.8 UJ	UG/KG
CARBON DISULFIDE	10	0.45 J	UG/KG
CARBON TETRACHLORIDE	5.0	6.8 U	UG/KG
CHLOROBENZENE	5.0	6.8 U	UG/KG
CHLOROETHANE	10	14 U	UG/KG
CHLOROFORM	5.0	6.8 U	UG/KG
CHLOROMETHANE	5.0	6.8 U	UG/KG
1,2-DIBROMO-3-CHLOROPROPANE	5.0	6.8 U	UG/KG
CYCLOHEXANE	5.0	6.8 U	UG/KG
DIBROMOCHLOROMETHANE	5.0	6.8 U	UG/KG
1,2-DIBROMOETHANE	5.0	6.8 U	UG/KG
1,3-DICHLOROBENZENE	5.0	6.8 U	UG/KG
1,4-DICHLOROBENZENE	5.0	6.8 U	UG/KG
1,2-DICHLOROBENZENE	5.0	6.8 U	UG/KG
DICHLORODIFLUOROMETHANE	5.0	6.8 UJ	UG/KG
1,1-DICHLOROETHANE	5.0	6.8 U	UG/KG
1,2-DICHLOROETHANE	5.0	6.8 U	UG/KG
1,1-DICHLOROETHENE	5.0	6.8 U	UG/KG
CIS-1,2-DICHLOROETHENE	5.0	6.8 U	UG/KG
TRANS-1,2-DICHLOROETHENE	5.0	6.8 U	UG/KG
1,2-DICHLOROPROPANE	5.0	6.8 U	UG/KG
CIS-1,3-DICHLOROPROPENE	5.0	6.8 U	UG/KG
TRANS-1,3-DICHLOROPROPENE	5.0	6.8 U	UG/KG
ETHYLBENZENE	5.0	6.8 U	UG/KG
2-HEXANONE	10	14 U	UG/KG
ISOPROPYLBENZENE	5.0	6.8 U	UG/KG
METHYL ACETATE	10	14 U	UG/KG
METHYLCYCLOHEXANE	5.0	6.8 U	UG/KG
METHYLENE CHLORIDE	5.0	6.8 U	UG/KG
4-METHYL-2-PENTANONE (MIBK)	10	14 U	UG/KG
STYRENE	5.0	6.8 U	UG/KG
1,1,2,2-TETRACHLOROETHANE	5.0	6.8 U	UG/KG
TETRACHLOROETHENE	5.0	6.8 U	UG/KG
TOLUENE	5.0	6.8U ~~1.6 JB~~	UG/KG
1,2,4-TRICHLOROBENZENE	5.0	6.8 U	UG/KG
1,1,1-TRICHLOROETHANE	5.0	6.8 U	UG/KG
1,1,2-TRICHLOROETHANE	5.0	6.8 U	UG/KG
TRICHLOROETHENE	5.0	6.8 U	UG/KG

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B
Reported: 01/15/08

ENSR International
Project Reference: CON EDISON PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD12 (4-6)

Date Sampled : 12/05/07 16:20 **Order #:** 1060899 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/10/07 **Submission #:** R2741250 **Percent Solid:** 73.5

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 12/12/07			
ANALYTICAL DILUTION: 1.00			Dry Weight
TRICHLOROFLUOROMETHANE	5.0	6.8 U	UG/KG
1,1,2-TRICHLORO1,2,2-TRIFLUOROETHA	5.0	6.8 UJ	UG/KG
VINYL CHLORIDE	5.0	6.8 U	UG/KG
O-XYLENE	5.0	6.8 U	UG/KG
M+P-XYLENE	5.0	6.8 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(50 - 135 %)	94	%
TOLUENE-D8	(75 - 128 %)	84	%
DIBROMOFLUOROMETHANE	(58 - 133 %)	95	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B
Reported: 01/15/08

ENSR International
Project Reference: CON EDISON PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD13 (5-7)

Date Sampled : 12/06/07 10:20 **Order #:** 1060901 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/10/07 **Submission #:** R2741250 **Percent Solid:** 59.2

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 12/13/07			
ANALYTICAL DILUTION: 1.00			Dry Weight
ACETONE	20	22 J	UG/KG
BENZENE	5.0	8.4 U	UG/KG
BROMODICHLOROMETHANE	5.0	8.4 U	UG/KG
BROMOFORM	5.0	8.4 UJ	UG/KG
BROMOMETHANE	5.0	8.4 U	UG/KG
2-BUTANONE (MEK)	10	5.1 J	UG/KG
METHYL-TERT-BUTYL ETHER	5.0	8.4 U	UG/KG
CARBON DISULFIDE	10	11 J	UG/KG
CARBON TETRACHLORIDE	5.0	8.4 UJ	UG/KG
CHLOROBENZENE	5.0	8.4 U	UG/KG
CHLOROETHANE	10	17 U	UG/KG
CHLOROFORM	5.0	8.4 U	UG/KG
CHLOROMETHANE	5.0	8.4 U	UG/KG
1,2-DIBROMO-3-CHLOROPROPANE	5.0	8.4 U	UG/KG
CYCLOHEXANE	5.0	8.4 U	UG/KG
DIBROMOCHLOROMETHANE	5.0	8.4 UJ	UG/KG
1,2-DIBROMOETHANE	5.0	8.4 UJ	UG/KG
1,3-DICHLOROBENZENE	5.0	8.4 UJ	UG/KG
1,4-DICHLOROBENZENE	5.0	8.4 UJ	UG/KG
1,2-DICHLOROBENZENE	5.0	8.4 UJ	UG/KG
DICHLORODIFLUOROMETHANE	5.0	8.4 UJ	UG/KG
1,1-DICHLOROETHANE	5.0	8.4 U	UG/KG
1,2-DICHLOROETHANE	5.0	8.4 UJ	UG/KG
1,1-DICHLOROETHENE	5.0	8.4 U	UG/KG
CIS-1,2-DICHLOROETHENE	5.0	8.4 U	UG/KG
TRANS-1,2-DICHLOROETHENE	5.0	8.4 U	UG/KG
1,2-DICHLOROPROPANE	5.0	8.4 U	UG/KG
CIS-1,3-DICHLOROPROPENE	5.0	8.4 UJ	UG/KG
TRANS-1,3-DICHLOROPROPENE	5.0	8.4 UJ	UG/KG
ETHYLBENZENE	5.0	8.4 U	UG/KG
2-HEXANONE	10	17 UJ	UG/KG
ISOPROPYLBENZENE	5.0	8.4 U	UG/KG
METHYL ACETATE	10	17 U	UG/KG
METHYLCYCLOHEXANE	5.0	8.4 U	UG/KG
METHYLENE CHLORIDE	5.0	0.90 J	UG/KG
4-METHYL-2-PENTANONE (MIBK)	10	17 U	UG/KG
STYRENE	5.0	8.4 UJ	UG/KG
1,1,2,2-TETRACHLOROETHANE	5.0	8.4 U	UG/KG
TETRACHLOROETHENE	5.0	8.4 U	UG/KG
TOLUENE	5.0	8.4U ~~2.4 JB~~	UG/KG
1,2,4-TRICHLOROBENZENE	5.0	8.4 UJ	UG/KG
1,1,1-TRICHLOROETHANE	5.0	8.4 U	UG/KG
1,1,2-TRICHLOROETHANE	5.0	8.4 U	UG/KG
TRICHLOROETHENE	5.0	0.88 J	UG/KG

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B
Reported: 01/15/08

ENSR International
Project Reference: CON EDISON PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD13 (5-7)

Date Sampled : 12/06/07 10:20 **Order #:** 1060901 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/10/07 **Submission #:** R2741250 **Percent Solid:** 59.2

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 12/13/07			
ANALYTICAL DILUTION: 1.00			Dry Weight
TRICHLOROFLUOROMETHANE	5.0	8.4 U J	UG/KG
1,1,2-TRICHLORO1,2,2-TRIFLUOROETHA	5.0	8.4 U J	UG/KG
VINYL CHLORIDE	5.0	8.4 U	UG/KG
O-XYLENE	5.0	8.4 U	UG/KG
M+P-XYLENE	5.0	8.4 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(50 - 135 %)	92	%
TOLUENE-D8	(75 - 128 %)	85	%
DIBROMOFLUOROMETHANE	(58 - 133 %)	88	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B
Reported: 01/15/08

ENSR International
Project Reference: CON EDISON PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD13 (11-13)

Date Sampled : 12/06/07 10:15 **Order #:** 1060903 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/10/07 **Submission #:** R2741250 **Percent Solid:** 88.6

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 12/12/07			
ANALYTICAL DILUTION: 1.00			Dry Weight
ACETONE	20	12 J	UG/KG
BENZENE	5.0	5.6 U	UG/KG
BROMODICHLOROMETHANE	5.0	5.6 U	UG/KG
BROMOFORM	5.0	5.6 U	UG/KG
BROMOMETHANE	5.0	5.6 U	UG/KG
2-BUTANONE (MEK)	10	3.2 J	UG/KG
METHYL-TERT-BUTYL ETHER	5.0	5.6 UJ	UG/KG
CARBON DISULFIDE	10	6.2 J	UG/KG
CARBON TETRACHLORIDE	5.0	5.6 U	UG/KG
CHLOROBENZENE	5.0	5.6 U	UG/KG
CHLOROETHANE	10	11 U	UG/KG
CHLOROFORM	5.0	5.6 U	UG/KG
CHLOROMETHANE	5.0	5.6 U	UG/KG
1,2-DIBROMO-3-CHLOROPROPANE	5.0	5.6 U	UG/KG
CYCLOHEXANE	5.0	5.6 U	UG/KG
DIBROMOCHLOROMETHANE	5.0	5.6 U	UG/KG
1,2-DIBROMOETHANE	5.0	5.6 U	UG/KG
1,3-DICHLOROBENZENE	5.0	5.6 U	UG/KG
1,4-DICHLOROBENZENE	5.0	5.6 U	UG/KG
1,2-DICHLOROBENZENE	5.0	5.6 U	UG/KG
DICHLORODIFLUOROMETHANE	5.0	5.6 UJ	UG/KG
1,1-DICHLOROETHANE	5.0	5.6 U	UG/KG
1,2-DICHLOROETHANE	5.0	5.6 U	UG/KG
1,1-DICHLOROETHENE	5.0	5.6 U	UG/KG
CIS-1,2-DICHLOROETHENE	5.0	0.45 J	UG/KG
TRANS-1,2-DICHLOROETHENE	5.0	5.6 U	UG/KG
1,2-DICHLOROPROPANE	5.0	5.6 U	UG/KG
CIS-1,3-DICHLOROPROPENE	5.0	5.6 U	UG/KG
TRANS-1,3-DICHLOROPROPENE	5.0	5.6 U	UG/KG
ETHYLBENZENE	5.0	5.6 U	UG/KG
2-HEXANONE	10	11 U	UG/KG
ISOPROPYLBENZENE	5.0	5.6 U	UG/KG
METHYL ACETATE	10	11 U	UG/KG
METHYLCYCLOHEXANE	5.0	5.6 U	UG/KG
METHYLENE CHLORIDE	5.0	5.6 U ~~0.65 JB~~	UG/KG
4-METHYL-2-PENTANONE (MIBK)	10	11 U	UG/KG
STYRENE	5.0	5.6 U	UG/KG
1,1,2,2-TETRACHLOROETHANE	5.0	5.6 U	UG/KG
TETRACHLOROETHENE	5.0	5.6 U	UG/KG
TOLUENE	5.0	5.6 U ~~1.1 JB~~	UG/KG
1,2,4-TRICHLOROBENZENE	5.0	5.6 U	UG/KG
1,1,1-TRICHLOROETHANE	5.0	5.6 U	UG/KG
1,1,2-TRICHLOROETHANE	5.0	5.6 U	UG/KG
TRICHLOROETHENE	5.0	5.6 U	UG/KG

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B
Reported: 01/15/08

ENSR International
Project Reference: CON EDISON PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD13 (11-13)

Date Sampled : 12/06/07 10:15 **Order #:** 1060903 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/10/07 **Submission #:** R2741250 **Percent Solid:** 88.6

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 12/12/07			
ANALYTICAL DILUTION: 1.00			Dry Weight
TRICHLOROFLUOROMETHANE	5.0	5.6 U	UG/KG
1,1,2-TRICHLORO1,2,2-TRIFLUOROETHA	5.0	5.6 U J	UG/KG
VINYL CHLORIDE	5.0	5.6 U	UG/KG
O-XYLENE	5.0	5.6 U	UG/KG
M+P-XYLENE	5.0	5.6 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(50 - 135 %)	93	%
TOLUENE-D8	(75 - 128 %)	83	%
DIBROMOFLUOROMETHANE	(58 - 133 %)	99	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B
Reported: 01/15/08

ENSR International
Project Reference: CON EDISON PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD13 (15-17)

Date Sampled : 12/06/07 10:10 **Order #:** 1060904 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/10/07 **Submission #:** R2741250 **Percent Solid:** 29.5

DATE ANALYZED : 12/13/07
ANALYTICAL DILUTION: 1.00

ANALYTE	PQL	RESULT	UNITS
			Dry Weight
ACETONE	20	310 J	UG/KG
BENZENE	5.0	17 UJ	UG/KG
BROMODICHLOROMETHANE	5.0	17 UJ	UG/KG
BROMOFORM	5.0	17 UJ	UG/KG
BROMOMETHANE	5.0	17 UJ	UG/KG
2-BUTANONE (MEK)	10	54 J	UG/KG
METHYL-TERT-BUTYL ETHER	5.0	17 UJ	UG/KG
CARBON DISULFIDE	10	47 J	UG/KG
CARBON TETRACHLORIDE	5.0	17 UJ	UG/KG
CHLOROBENZENE	5.0	17 U	UG/KG
CHLOROETHANE	10	34 U	UG/KG
CHLOROFORM	5.0	17 U	UG/KG
CHLOROMETHANE	5.0	17 U	UG/KG
1,2-DIBROMO-3-CHLOROPROPANE	5.0	17 U	UG/KG
CYCLOHEXANE	5.0	17 U	UG/KG
DIBROMOCHLOROMETHANE	5.0	17 U	UG/KG
1,2-DIBROMOETHANE	5.0	17 U	UG/KG
1,3-DICHLOROBENZENE	5.0	17 U	UG/KG
1,4-DICHLOROBENZENE	5.0	17 U	UG/KG
1,2-DICHLOROBENZENE	5.0	17 UJ	UG/KG
DICHLORODIFLUOROMETHANE	5.0	17 UJ	UG/KG
1,1-DICHLOROETHANE	5.0	17 UJ	UG/KG
1,2-DICHLOROETHANE	5.0	17 UJ	UG/KG
1,1-DICHLOROETHENE	5.0	17 UJ	UG/KG
CIS-1,2-DICHLOROETHENE	5.0	3.4 J	UG/KG
TRANS-1,2-DICHLOROETHENE	5.0	17 UJ	UG/KG
1,2-DICHLOROPROPANE	5.0	17 U	UG/KG
CIS-1,3-DICHLOROPROPENE	5.0	17 U	UG/KG
TRANS-1,3-DICHLOROPROPENE	5.0	17 UJ	UG/KG
ETHYLBENZENE	5.0	1.3 J	UG/KG
2-HEXANONE	10	34 UJ	UG/KG
ISOPROPYLBENZENE	5.0	17 U	UG/KG
METHYL ACETATE	10	34 U	UG/KG
METHYLCYCLOHEXANE	5.0	17 UJ	UG/KG
METHYLENE CHLORIDE	5.0	1.8 J	UG/KG
4-METHYL-2-PENTANONE (MIBK)	10	34 UJ	UG/KG
STYRENE	5.0	17 U	UG/KG
1,1,2,2-TETRACHLOROETHANE	5.0	17 U	UG/KG
TETRACHLOROETHENE	5.0	17 UJ	UG/KG
TOLUENE	5.0	17UJ ~~3.4 JB~~	UG/KG
1,2,4-TRICHLOROBENZENE	5.0	17 UJ	UG/KG
1,1,1-TRICHLOROETHANE	5.0	17 UJ	UG/KG
1,1,2-TRICHLOROETHANE	5.0	17 UJ	UG/KG
TRICHLOROETHENE	5.0	3.1 J	UG/KG

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B
Reported: 01/15/08

ENSR International
Project Reference: CON EDISON PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD13 (15-17)

Date Sampled : 12/06/07 10:10 **Order #:** 1060904 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/10/07 **Submission #:** R2741250 **Percent Solid:** 29.5

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 12/13/07			
ANALYTICAL DILUTION: 1.00			Dry Weight
TRICHLOROFLUOROMETHANE	5.0	17 U J	UG/KG
1,1,2-TRICHLORO1,2,2-TRIFLUOROETHA	5.0	17 U J	UG/KG
VINYL CHLORIDE	5.0	17 U J	UG/KG
O-XYLENE	5.0	17 U J	UG/KG
M+P-XYLENE	5.0	17 U J	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(50 - 135 %)	82	%
TOLUENE-D8	(75 - 128 %)	90	%
DIBROMOFLUOROMETHANE	(58 - 133 %)	92	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B
Reported: 01/15/08

ENSR International
Project Reference: CON EDISON PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD14 (0-4)

Date Sampled : 12/06/07 11:20 **Order #:** 1060906 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/10/07 **Submission #:** R2741250 **Percent Solid:** 74.5

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 12/13/07			
ANALYTICAL DILUTION: 500.00			Dry Weight
ACETONE	20	13000 U J	UG/KG
BENZENE	5.0	3400 U	UG/KG
BROMODICHLOROMETHANE	5.0	3400 U	UG/KG
BROMOFORM	5.0	3400 U	UG/KG
BROMOMETHANE	5.0	3400 U	UG/KG
2-BUTANONE (MEK)	10	6700 UJ ~~1200 J~~	UG/KG
METHYL-TERT-BUTYL ETHER	5.0	3400 U	UG/KG
CARBON DISULFIDE	10	6700 U	UG/KG
CARBON TETRACHLORIDE	5.0	3400 U	UG/KG
CHLOROBENZENE	5.0	3400 U	UG/KG
CHLOROETHANE	10	6700 U	UG/KG
CHLOROFORM	5.0	3400 U	UG/KG
CHLOROMETHANE	5.0	3400 U	UG/KG
1,2-DIBROMO-3-CHLOROPROPANE	5.0	3400 U	UG/KG
CYCLOHEXANE	5.0	3400 U	UG/KG
DIBROMOCHLOROMETHANE	5.0	3400 U	UG/KG
1,2-DIBROMOETHANE	5.0	3400 U	UG/KG
1,3-DICHLOROBENZENE	5.0	3400 U	UG/KG
1,4-DICHLOROBENZENE	5.0	3400 U	UG/KG
1,2-DICHLOROBENZENE	5.0	3400 U	UG/KG
DICHLORODIFLUOROMETHANE	5.0	3400 U	UG/KG
1,1-DICHLOROETHANE	5.0	3400 U	UG/KG
1,2-DICHLOROETHANE	5.0	3400 U	UG/KG
1,1-DICHLOROETHENE	5.0	3400 U	UG/KG
CIS-1,2-DICHLOROETHENE	5.0	1200 J	UG/KG
TRANS-1,2-DICHLOROETHENE	5.0	3400 U	UG/KG
1,2-DICHLOROPROPANE	5.0	3400 U	UG/KG
CIS-1,3-DICHLOROPROPENE	5.0	3400 U	UG/KG
TRANS-1,3-DICHLOROPROPENE	5.0	3400 U	UG/KG
ETHYLBENZENE	5.0	3400 U	UG/KG
2-HEXANONE	10	6700 U	UG/KG
ISOPROPYLBENZENE	5.0	3400 U	UG/KG
METHYL ACETATE	10	6700 U	UG/KG
METHYLCYCLOHEXANE	5.0	3400 U	UG/KG
METHYLENE CHLORIDE	5.0	3400 U	UG/KG
4-METHYL-2-PENTANONE (MIBK)	10	6700 U	UG/KG
STYRENE	5.0	3400 U	UG/KG
1,1,2,2-TETRACHLOROETHANE	5.0	3400 U	UG/KG
TETRACHLOROETHENE	5.0	3400 U	UG/KG
TOLUENE	5.0	3400 U	UG/KG
1,2,4-TRICHLOROBENZENE	5.0	3400 U	UG/KG
1,1,1-TRICHLOROETHANE	5.0	3400 U	UG/KG
1,1,2-TRICHLOROETHANE	5.0	3400 U	UG/KG
TRICHLOROETHENE	5.0	11000	UG/KG

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B
Reported: 01/15/08

ENSR International
Project Reference: CON EDISON PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD14 (0-4)

Date Sampled : 12/06/07 11:20 **Order #:** 1060906 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/10/07 **Submission #:** R2741250 **Percent Solid:** 74.5

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 12/13/07			
ANALYTICAL DILUTION: 500.00			
			Dry Weight
TRICHLOROFLUOROMETHANE	5.0	3400 U	UG/KG
1,1,2-TRICHLORO1,2,2-TRIFLUOROETHA	5.0	3400 U	UG/KG
VINYL CHLORIDE	5.0	3400 U	UG/KG
O-XYLENE	5.0	3400 U	UG/KG
M+P-XYLENE	5.0	3400 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(50 - 135 %)	97	%
TOLUENE-D8	(75 - 128 %)	100	%
DIBROMOFLUOROMETHANE	(58 - 133 %)	95	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B
Reported: 01/22/08

ENSR International
Project Reference: CON EDISON PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD14 (6-8)

Date Sampled : 12/06/07 11:25 **Order #:** 1060907 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/10/07 **Submission #:** R2741250 **Percent Solid:** 59.6

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 12/13/07			
ANALYTICAL DILUTION: 5.00			Dry Weight
ACETONE	20	180	UG/KG
BENZENE	5.0	57	UG/KG
BROMODICHLOROMETHANE	5.0	42 U	UG/KG
BROMOFORM	5.0	42 U	UG/KG
BROMOMETHANE	5.0	42 U	UG/KG
2-BUTANONE (MEK)	10	84 U	UG/KG
METHYL-TERT-BUTYL ETHER	5.0	42 U	UG/KG
CARBON DISULFIDE	10	94	UG/KG
CARBON TETRACHLORIDE	5.0	42 U	UG/KG
CHLOROBENZENE	5.0	42 U	UG/KG
CHLOROETHANE	10	84 U	UG/KG
CHLOROFORM	5.0	42 U	UG/KG
CHLOROMETHANE	5.0	42 U	UG/KG
1,2-DIBROMO-3-CHLOROPROPANE	5.0	42 U	UG/KG
CYCLOHEXANE	5.0	42 U	UG/KG
DIBROMOCHLOROMETHANE	5.0	42 U	UG/KG
1,2-DIBROMOETHANE	5.0	42 U	UG/KG
1,3-DICHLOROBENZENE	5.0	42 U	UG/KG
1,4-DICHLOROBENZENE	5.0	42 U	UG/KG
1,2-DICHLOROBENZENE	5.0	42 U	UG/KG
DICHLORODIFLUOROMETHANE	5.0	42 UJ	UG/KG
1,1-DICHLOROETHANE	5.0	42 U	UG/KG
1,2-DICHLOROETHANE	5.0	42 UJ	UG/KG
1,1-DICHLOROETHENE	5.0	20 J	UG/KG
CIS-1,2-DICHLOROETHENE	5.0	2500 EJ	UG/KG
TRANS-1,2-DICHLOROETHENE	5.0	250	UG/KG
1,2-DICHLOROPROPANE	5.0	42 U	UG/KG
CIS-1,3-DICHLOROPROPENE	5.0	42 U	UG/KG
TRANS-1,3-DICHLOROPROPENE	5.0	42 U	UG/KG
ETHYLBENZENE	5.0	130	UG/KG
2-HEXANONE	10	84 U	UG/KG
ISOPROPYLBENZENE	5.0	27 J	UG/KG
METHYL ACETATE	10	84 U	UG/KG
METHYLCYCLOHEXANE	5.0	42 U	UG/KG
METHYLENE CHLORIDE	5.0	4.0 J	UG/KG
4-METHYL-2-PENTANONE (MIBK)	10	84 U	UG/KG
STYRENE	5.0	42 U	UG/KG
1,1,2,2-TETRACHLOROETHANE	5.0	42 U	UG/KG
TETRACHLOROETHENE	5.0	42 U	UG/KG
~~TOLUENE~~	~~5.0~~	~~15 J~~	~~UG/KG~~ do not report
1,2,4-TRICHLOROBENZENE	5.0	42 U	UG/KG
1,1,1-TRICHLOROETHANE	5.0	42 U	UG/KG
1,1,2-TRICHLOROETHANE	5.0	42 U	UG/KG
TRICHLOROETHENE	5.0	13000 EJ	UG/KG

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B
Reported: 01/22/08

ENSR International
Project Reference: CON EDISON PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD14 (6-8)

Date Sampled : 12/06/07 11:25 **Order #:** 1060907 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/10/07 **Submission #:** R2741250 **Percent Solid:** 59.6

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 12/13/07			
ANALYTICAL DILUTION: 5.00			Dry Weight
TRICHLOROFLUOROMETHANE	5.0	42 U J	UG/KG
1,1,2-TRICHLORO1,2,2-TRIFLUOROETHA	5.0	42 U J	UG/KG
VINYL CHLORIDE	5.0	94	UG/KG
O-XYLENE	5.0	8.7 J	UG/KG
M+P-XYLENE	5.0	6.9 J	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(50 - 135 %)	94	%
TOLUENE-D8	(75 - 128 %)	90	%
DIBROMOFLUOROMETHANE	(58 - 133 %)	87	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B
Reported: 01/22/08

Report circled results only

ENSR International
Project Reference: CON EDISON PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD14 (6-8)

Date Sampled : 12/06/07 11:25 **Order #:** 1060907 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/10/07 **Submission #:** R2741250 **Percent Solid:** 59.6

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 12/13/07			
ANALYTICAL DILUTION: 125.00			Dry Weight
ACETONE	20	4200 U	UG/KG
BENZENE	5.0	1000 U	UG/KG
BROMODICHLOROMETHANE	5.0	1000 U	UG/KG
BROMOFORM	5.0	1000 U	UG/KG
BROMOMETHANE	5.0	1000 U	UG/KG
2-BUTANONE (MEK)	10	290 JB	UG/KG
METHYL-TERT-BUTYL ETHER	5.0	1000 U	UG/KG
CARBON DISULFIDE	10	2100 U	UG/KG
CARBON TETRACHLORIDE	5.0	1000 U	UG/KG
CHLOROBENZENE	5.0	1000 U	UG/KG
CHLOROETHANE	10	2100 U	UG/KG
CHLOROFORM	5.0	1000 U	UG/KG
CHLOROMETHANE	5.0	1000 U	UG/KG
1,2-DIBROMO-3-CHLOROPROPANE	5.0	1000 U	UG/KG
CYCLOHEXANE	5.0	1000 U	UG/KG
DIBROMOCHLOROMETHANE	5.0	1000 U	UG/KG
1,2-DIBROMOETHANE	5.0	1000 U	UG/KG
1,3-DICHLOROBENZENE	5.0	1000 U	UG/KG
1,4-DICHLOROBENZENE	5.0	1000 U	UG/KG
1,2-DICHLOROBENZENE	5.0	1000 U	UG/KG
DICHLORODIFLUOROMETHANE	5.0	1000 U	UG/KG
1,1-DICHLOROETHANE	5.0	1000 U	UG/KG
1,2-DICHLOROETHANE	5.0	1000 U	UG/KG
1,1-DICHLOROETHENE	5.0	2200 D	UG/KG
CIS-1,2-DICHLOROETHENE	5.0	1000 U	UG/KG
TRANS-1,2-DICHLOROETHENE	5.0	1000 U	UG/KG
1,2-DICHLOROPROPANE	5.0	1000 U	UG/KG
CIS-1,3-DICHLOROPROPENE	5.0	1000 U	UG/KG
TRANS-1,3-DICHLOROPROPENE	5.0	1000 U	UG/KG
ETHYLBENZENE	10	2100 U	UG/KG
2-HEXANONE	5.0	1000 U	UG/KG
ISOPROPYLBENZENE	10	2100 U	UG/KG
METHYL ACETATE	5.0	1000 U	UG/KG
METHYLCYCLOHEXANE	5.0	1000 U	UG/KG
METHYLENE CHLORIDE	10	2100 U	UG/KG
4-METHYL-2-PENTANONE (MIBK)	5.0	1000 U	UG/KG
STYRENE	5.0	1000 U	UG/KG
1,1,2,2-TETRACHLOROETHANE	5.0	1000 U	UG/KG
TETRACHLOROETHENE	5.0	81 J	UG/KG
TOLUENE	5.0	1000 U	UG/KG
1,2,4-TRICHLOROBENZENE	5.0	1000 U	UG/KG
1,1,1-TRICHLOROETHANE	5.0	1000 U	UG/KG
1,1,2-TRICHLOROETHANE	5.0	500 JD	UG/KG
TRICHLOROETHENE			

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B
Reported: 01/22/08

ENSR International
Project Reference: CON EDISON PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD14 (6-8)

Date Sampled : 12/06/07 11:25 **Order #:** 1060907 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/10/07 **Submission #:** R2741250 **Percent Solid:** 59.6

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 12/13/07			
ANALYTICAL DILUTION: 125.00			Dry Weight
TRICHLOROFLUOROMETHANE	5.0	1000 U	UG/KG
1,1,2-TRICHLORO1,2,2-TRIFLUOROETHA	5.0	1000 U	UG/KG
VINYL CHLORIDE	5.0	1000 U	UG/KG
O-XYLENE	5.0	1000 U	UG/KG
M+P-XYLENE	5.0	1000 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(50 - 135 %)	96	%
TOLUENE-D8	(75 - 128 %)	100	%
DIBROMOFLUOROMETHANE	(58 - 133 %)	100	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B
Reported: 01/22/08

ENSR International
Project Reference: CON EDISON PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD14 (6-8)

Date Sampled : 12/06/07 11:25 **Order #:** 1060907 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/10/07 **Submission #:** R2741250 **Percent Solid:** 59.6

DATE ANALYZED : 01/15/08
ANALYTICAL DILUTION: 125.00

ANALYTE	PQL	RESULT	UNITS
			Dry Weight
ACETONE	20	4200 U	UG/KG
BENZENE	5.0	1000 U	UG/KG
BROMODICHLOROMETHANE	5.0	1000 U	UG/KG
BROMOFORM	5.0	1000 U	UG/KG
BROMOMETHANE	5.0	1000 U	UG/KG
2-BUTANONE (MEK)	10	170 JB	UG/KG
METHYL-TERT-BUTYL ETHER	5.0	1000 U	UG/KG
CARBON DISULFIDE	10	2100 U	UG/KG
CARBON TETRACHLORIDE	5.0	1000 U	UG/KG
CHLOROBENZENE	5.0	1000 U	UG/KG
CHLOROETHANE	10	2100 U	UG/KG
CHLOROFORM	5.0	1000 U	UG/KG
CHLOROMETHANE	5.0	1000 U	UG/KG
1,2-DIBROMO-3-CHLOROPROPANE	5.0	1000 U	UG/KG
CYCLOHEXANE	5.0	1000 U	UG/KG
DIBROMOCHLOROMETHANE	5.0	1000 U	UG/KG
1,2-DIBROMOETHANE	5.0	1000 U	UG/KG
1,3-DICHLOROBENZENE	5.0	1000 U	UG/KG
1,4-DICHLOROBENZENE	5.0	1000 U	UG/KG
1,2-DICHLOROBENZENE	5.0	1000 U	UG/KG
DICHLORODIFLUOROMETHANE	5.0	1000 U	UG/KG
1,1-DICHLOROETHANE	5.0	1000 U	UG/KG
1,2-DICHLOROETHANE	5.0	1000 U	UG/KG
1,1-DICHLOROETHENE	5.0	1000 U	UG/KG
CIS-1,2-DICHLOROETHENE	5.0	490 JD	UG/KG
TRANS-1,2-DICHLOROETHENE	5.0	74 J	UG/KG
1,2-DICHLOROPROPANE	5.0	1000 U	UG/KG
CIS-1,3-DICHLOROPROPENE	5.0	1000 U	UG/KG
TRANS-1,3-DICHLOROPROPENE	5.0	1000 U	UG/KG
ETHYLBENZENE	5.0	1000 U	UG/KG
2-HEXANONE	10	2100 U	UG/KG
ISOPROPYLBENZENE	5.0	1000 U	UG/KG
METHYL ACETATE	10	2100 U	UG/KG
METHYLCYCLOHEXANE	5.0	1000 U	UG/KG
METHYLENE CHLORIDE	5.0	1000 U	UG/KG
4-METHYL-2-PENTANONE (MIBK)	10	2100 U	UG/KG
STYRENE	5.0	1000 U	UG/KG
1,1,2,2-TETRACHLOROETHANE	5.0	1000 U	UG/KG
TETRACHLOROETHENE	5.0	1000 U	UG/KG
TOLUENE	5.0	1000 U	UG/KG
1,2,4-TRICHLOROBENZENE	5.0	1000 U	UG/KG
1,1,1-TRICHLOROETHANE	5.0	1000 U	UG/KG
1,1,2-TRICHLOROETHANE	5.0	1000 U	UG/KG
TRICHLOROETHENE	5.0	7000 D	UG/KG

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B
Reported: 01/22/08

ENSR International
Project Reference: CON EDISON PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD14 (6-8)

Date Sampled : 12/06/07 11:25 **Order #:** 1060907 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/10/07 **Submission #:** R2741250 **Percent Solid:** 59.6

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 01/15/08			
ANALYTICAL DILUTION: 125.00			Dry Weight
TRICHLOROFLUOROMETHANE	5.0	1000 U	UG/KG
1,1,2-TRICHLORO1,2,2-TRIFLUOROETHA	5.0	1000 U	UG/KG
VINYL CHLORIDE	5.0	1000 U	UG/KG
O-XYLENE	5.0	1000 U	UG/KG
M+P-XYLENE	5.0	1000 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(50 - 135 %)	101	%
TOLUENE-D8	(75 - 128 %)	103	%
DIBROMOFLUOROMETHANE	(58 - 133 %)	98	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B
Reported: 01/22/08

ENSR International
Project Reference: CON EDISON PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD15 (0-2)

Date Sampled : 12/06/07 12:15 **Order #:** 1060908 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/10/07 **Submission #:** R2741250 **Percent Solid:** 59.6

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 12/13/07			
ANALYTICAL DILUTION: 5.00			Dry Weight
ACETONE	20	92 J	UG/KG
BENZENE	5.0	3.4 J	UG/KG
BROMODICHLOROMETHANE	5.0	42 U	UG/KG
BROMOFORM	5.0	42 U	UG/KG
BROMOMETHANE	5.0	42 U	UG/KG
2-BUTANONE (MEK)	10	84 U	UG/KG
METHYL-TERT-BUTYL ETHER	5.0	42 U	UG/KG
CARBON DISULFIDE	10	57 J	UG/KG
CARBON TETRACHLORIDE	5.0	42 U	UG/KG
CHLOROBENZENE	5.0	42 U	UG/KG
CHLOROETHANE	10	84 U	UG/KG
CHLOROFORM	5.0	42 U	UG/KG
CHLOROMETHANE	5.0	42 U	UG/KG
1,2-DIBROMO-3-CHLOROPROPANE	5.0	42 U	UG/KG
CYCLOHEXANE	5.0	42 U	UG/KG
DIBROMOCHLOROMETHANE	5.0	42 U	UG/KG
1,2-DIBROMOETHANE	5.0	42 U	UG/KG
1,3-DICHLOROBENZENE	5.0	42 U	UG/KG
1,4-DICHLOROBENZENE	5.0	42 U	UG/KG
1,2-DICHLOROBENZENE	5.0	42 U	UG/KG
DICHLORODIFLUOROMETHANE	5.0	42 U J	UG/KG
1,1-DICHLOROETHANE	5.0	42 U	UG/KG
1,2-DICHLOROETHANE	5.0	42 U J	UG/KG
1,1-DICHLOROETHENE	5.0	14 J	UG/KG
CIS-1,2-DICHLOROETHENE	5.0	5500 E J	UG/KG
TRANS-1,2-DICHLOROETHENE	5.0	130	UG/KG
1,2-DICHLOROPROPANE	5.0	42 U	UG/KG
CIS-1,3-DICHLOROPROPENE	5.0	42 U	UG/KG
TRANS-1,3-DICHLOROPROPENE	5.0	42 U	UG/KG
ETHYLBENZENE	5.0	4.0 J	UG/KG
2-HEXANONE	10	84 U	UG/KG
ISOPROPYLBENZENE	5.0	3.4 J	UG/KG
METHYL ACETATE	10	84 U	UG/KG
METHYLCYCLOHEXANE	5.0	42 U	UG/KG
METHYLENE CHLORIDE	5.0	4.0 J	UG/KG
4-METHYL-2-PENTANONE (MIBK)	10	84 U	UG/KG
STYRENE	5.0	42 U	UG/KG
1,1,2,2-TETRACHLOROETHANE	5.0	42 U	UG/KG
TETRACHLOROETHENE	5.0	42 U	UG/KG
TOLUENE	5.0	42U ~~15 JB~~	UG/KG
1,2,4-TRICHLOROBENZENE	5.0	42 U	UG/KG
1,1,1-TRICHLOROETHANE	5.0	42 U	UG/KG
1,1,2-TRICHLOROETHANE	5.0	42 U	UG/KG
~~TRICHLOROETHENE~~	5.0	1700 E	~~UG/KG~~ do not report

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B
Reported: 01/22/08

ENSR International
Project Reference: CON EDISON PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD15 (0-2)

Date Sampled : 12/06/07 12:15 **Order #:** 1060908 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/10/07 **Submission #:** R2741250 **Percent Solid:** 59.6

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 12/13/07			
ANALYTICAL DILUTION: 5.00			Dry Weight
TRICHLOROFLUOROMETHANE	5.0	42 UJ	UG/KG
1,1,2-TRICHLORO1,2,2-TRIFLUOROETHA	5.0	42 UJ	UG/KG
VINYL CHLORIDE	5.0	110	UG/KG
O-XYLENE	5.0	3.0 J	UG/KG
M+P-XYLENE	5.0	42 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(50 - 135 %)	90	%
TOLUENE-D8	(75 - 128 %)	85	%
DIBROMOFLUOROMETHANE	(58 - 133 %)	88	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B
Reported: 01/22/08

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ENSR International
Project Reference: CON EDISON PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD15 (0-2)

Date Sampled : 12/06/07 12:15 **Order #:** 1060908 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/10/07 **Submission #:** R2741250 **Percent Solid:** 59.6

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 12/13/07			
ANALYTICAL DILUTION: 125.00			Dry Weight
ACETONE	20	4200 U	UG/KG
BENZENE	5.0	1000 U	UG/KG
BROMODICHLOROMETHANE	5.0	1000 U	UG/KG
BROMOFORM	5.0	1000 U	UG/KG
BROMOMETHANE	5.0	1000 U	UG/KG
2-BUTANONE (MEK)	10	390 JB	UG/KG
METHYL-TERT-BUTYL ETHER	5.0	1000 U	UG/KG
CARBON DISULFIDE	10	2100 U	UG/KG
CARBON TETRACHLORIDE	5.0	1000 U	UG/KG
CHLOROBENZENE	5.0	1000 U	UG/KG
CHLOROETHANE	10	2100 U	UG/KG
CHLOROFORM	5.0	1000 U	UG/KG
CHLOROMETHANE	5.0	1000 U	UG/KG
1,2-DIBROMO-3-CHLOROPROPANE	5.0	1000 U	UG/KG
CYCLOHEXANE	5.0	1000 U	UG/KG
DIBROMOCHLOROMETHANE	5.0	1000 U	UG/KG
1,2-DIBROMOETHANE	5.0	1000 U	UG/KG
1,3-DICHLOROBENZENE	5.0	1000 U	UG/KG
1,4-DICHLOROBENZENE	5.0	1000 U	UG/KG
1,2-DICHLOROBENZENE	5.0	1000 U	UG/KG
DICHLORODIFLUOROMETHANE	5.0	1000 U	UG/KG
1,1-DICHLOROETHANE	5.0	1000 U	UG/KG
1,2-DICHLOROETHANE	5.0	1000 U	UG/KG
1,1-DICHLOROETHENE	5.0	1000 U	UG/KG
CIS-1,2-DICHLOROETHENE	5.0	150 JD	UG/KG
TRANS-1,2-DICHLOROETHENE	5.0	1000 U	UG/KG
1,2-DICHLOROPROPANE	5.0	1000 U	UG/KG
CIS-1,3-DICHLOROPROPENE	5.0	1000 U	UG/KG
TRANS-1,3-DICHLOROPROPENE	5.0	1000 U	UG/KG
ETHYLBENZENE	5.0	1000 U	UG/KG
2-HEXANONE	10	2100 U	UG/KG
ISOPROPYLBENZENE	5.0	1000 U	UG/KG
METHYL ACETATE	10	2100 U	UG/KG
METHYLCYCLOHEXANE	5.0	1000 U	UG/KG
METHYLENE CHLORIDE	5.0	1000 U	UG/KG
4-METHYL-2-PENTANONE (MIBK)	10	2100 U	UG/KG
STYRENE	5.0	1000 U	UG/KG
1,1,2,2-TETRACHLOROETHANE	5.0	1000 U	UG/KG
TETRACHLOROETHENE	5.0	1000 U	UG/KG
TOLUENE	5.0	1000 U	UG/KG
1,2,4-TRICHLOROBENZENE	5.0	1000 U	UG/KG
1,1,1-TRICHLOROETHANE	5.0	1000 U	UG/KG
1,1,2-TRICHLOROETHANE	5.0	1000 U	UG/KG
TRICHLOROETHENE	5.0	2300	UG/KG

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COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B
Reported: 01/22/08

ENSR International
Project Reference: CON EDISON PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD15 (0-2)

Date Sampled : 12/06/07 12:15 **Order #:** 1060908 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/10/07 **Submission #:** R2741250 **Percent Solid:** 59.6

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 12/13/07			
ANALYTICAL DILUTION: 125.00			Dry Weight
TRICHLOROFLUOROMETHANE	5.0	1000 U	UG/KG
1,1,2-TRICHLORO1,2,2-TRIFLUOROETHA	5.0	1000 U	UG/KG
VINYL CHLORIDE	5.0	1000 U	UG/KG
O-XYLENE	5.0	1000 U	UG/KG
M+P-XYLENE	5.0	1000 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(50 - 135 %)	94	%
TOLUENE-D8	(75 - 128 %)	98	%
DIBROMOFLUOROMETHANE	(58 - 133 %)	100	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B
Reported: 01/22/08

ENSR International
Project Reference: CON EDISON PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD15 (0-2)

Date Sampled : 12/06/07 12:15 **Order #:** 1060908 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/10/07 **Submission #:** R2741250 **Percent Solid:** 59.6

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 01/15/08			
ANALYTICAL DILUTION: 125.00			Dry Weight
ACETONE	20	4200 U	UG/KG
BENZENE	5.0	1000 U	UG/KG
BROMODICHLOROMETHANE	5.0	1000 U	UG/KG
BROMOFORM	5.0	1000 U	UG/KG
BROMOMETHANE	5.0	1000 U	UG/KG
2-BUTANONE (MEK)	10	200 JB	UG/KG
METHYL-TERT-BUTYL ETHER	5.0	1000 U	UG/KG
CARBON DISULFIDE	10	2100 U	UG/KG
CARBON TETRACHLORIDE	5.0	1000 U	UG/KG
CHLOROBENZENE	5.0	1000 U	UG/KG
CHLOROETHANE	10	2100 U	UG/KG
CHLOROFORM	5.0	1000 U	UG/KG
CHLOROMETHANE	5.0	1000 U	UG/KG
1,2-DIBROMO-3-CHLOROPROPANE	5.0	1000 U	UG/KG
CYCLOHEXANE	5.0	1000 U	UG/KG
DIBROMOCHLOROMETHANE	5.0	1000 U	UG/KG
1,2-DIBROMOETHANE	5.0	1000 U	UG/KG
1,3-DICHLOROBENZENE	5.0	1000 U	UG/KG
1,4-DICHLOROBENZENE	5.0	1000 U	UG/KG
1,2-DICHLOROBENZENE	5.0	1000 U	UG/KG
DICHLORODIFLUOROMETHANE	5.0	1000 U	UG/KG
1,1-DICHLOROETHANE	5.0	1000 U	UG/KG
1,2-DICHLOROETHANE	5.0	1000 U	UG/KG
1,1-DICHLOROETHENE	5.0	1000 U	UG/KG
CIS-1,2-DICHLOROETHENE	5.0	820 JD	UG/KG
TRANS-1,2-DICHLOROETHENE	5.0	1000 U	UG/KG
1,2-DICHLOROPROPANE	5.0	1000 U	UG/KG
CIS-1,3-DICHLOROPROPENE	5.0	1000 U	UG/KG
TRANS-1,3-DICHLOROPROPENE	5.0	1000 U	UG/KG
ETHYLBENZENE	5.0	1000 U	UG/KG
2-HEXANONE	10	2100 U	UG/KG
ISOPROPYLBENZENE	5.0	1000 U	UG/KG
METHYL ACETATE	10	2100 U	UG/KG
METHYLCYCLOHEXANE	5.0	1000 U	UG/KG
METHYLENE CHLORIDE	5.0	1000 U	UG/KG
4-METHYL-2-PENTANONE (MIBK)	10	2100 U	UG/KG
STYRENE	5.0	1000 U	UG/KG
1,1,2,2-TETRACHLOROETHANE	5.0	1000 U	UG/KG
TETRACHLOROETHENE	5.0	1000 U	UG/KG
TOLUENE	5.0	1000 U	UG/KG
1,2,4-TRICHLOROBENZENE	5.0	1000 U	UG/KG
1,1,1-TRICHLOROETHANE	5.0	1000 U	UG/KG
1,1,2-TRICHLOROETHANE	5.0	1000 U	UG/KG
TRICHLOROETHENE	5.0	970 JD	UG/KG

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B
Reported: 01/22/08

ENSR International
Project Reference: CON EDISON PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD15 (0-2)

Date Sampled : 12/06/07 12:15 **Order #:** 1060908 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/10/07 **Submission #:** R2741250 **Percent Solid:** 59.6

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 01/15/08			
ANALYTICAL DILUTION: 125.00			Dry Weight
TRICHLOROFLUOROMETHANE	5.0	1000 U	UG/KG
1,1,2-TRICHLORO1,2,2-TRIFLUOROETHA	5.0	1000 U	UG/KG
VINYL CHLORIDE	5.0	1000 U	UG/KG
O-XYLENE	5.0	1000 U	UG/KG
M+P-XYLENE	5.0	1000 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(50 - 135 %)	96	%
TOLUENE-D8	(75 - 128 %)	98	%
DIBROMOFLUOROMETHANE	(58 - 133 %)	97	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B
Reported: 01/15/08

ENSR International
Project Reference: CON EDISON PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD15 (4-5)

Date Sampled : 12/06/07 12:25 **Order #:** 1060909 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/10/07 **Submission #:** R2741250 **Percent Solid:** 79.7

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 12/12/07			
ANALYTICAL DILUTION: 1.00			Dry Weight
ACETONE	20	9.8 J	UG/KG
BENZENE	5.0	6.3 U	UG/KG
BROMODICHLOROMETHANE	5.0	6.3 U	UG/KG
BROMOFORM	5.0	6.3 U	UG/KG
BROMOMETHANE	5.0	6.3 U	UG/KG
2-BUTANONE (MEK)	10	13 U	UG/KG
METHYL-TERT-BUTYL ETHER	5.0	0.56 J	UG/KG
CARBON DISULFIDE	10	0.98 J	UG/KG
CARBON TETRACHLORIDE	5.0	6.3 U	UG/KG
CHLOROBENZENE	5.0	6.3 U	UG/KG
CHLOROETHANE	10	13 U	UG/KG
CHLOROFORM	5.0	6.3 U	UG/KG
CHLOROMETHANE	5.0	6.3 U	UG/KG
1,2-DIBROMO-3-CHLOROPROPANE	5.0	6.3 U	UG/KG
CYCLOHEXANE	5.0	6.3 U	UG/KG
DIBROMOCHLOROMETHANE	5.0	6.3 U	UG/KG
1,2-DIBROMOETHANE	5.0	6.3 U	UG/KG
1,3-DICHLOROBENZENE	5.0	6.3 U	UG/KG
1,4-DICHLOROBENZENE	5.0	6.3 U	UG/KG
1,2-DICHLOROBENZENE	5.0	6.3 U	UG/KG
DICHLORODIFLUOROMETHANE	5.0	6.3 UJ	UG/KG
1,1-DICHLOROETHANE	5.0	0.53 J	UG/KG
1,2-DICHLOROETHANE	5.0	6.3 U	UG/KG
1,1-DICHLOROETHENE	5.0	4.1 J	UG/KG
~~CIS-1,2-DICHLOROETHENE~~	5.0	340 E	UG/KG do not report
TRANS-1,2-DICHLOROETHENE	5.0	5.0 J	UG/KG
1,2-DICHLOROPROPANE	5.0	6.3 U	UG/KG
CIS-1,3-DICHLOROPROPENE	5.0	6.3 U	UG/KG
TRANS-1,3-DICHLOROPROPENE	5.0	6.3 U	UG/KG
ETHYLBENZENE	5.0	6.3 U	UG/KG
2-HEXANONE	10	13 U	UG/KG
ISOPROPYLBENZENE	5.0	6.3 U	UG/KG
METHYL ACETATE	10	13 U	UG/KG
METHYLCYCLOHEXANE	5.0	6.3 U	UG/KG
METHYLENE CHLORIDE	5.0	6.3U ~~0.55 JB~~	UG/KG
4-METHYL-2-PENTANONE (MIBK)	10	13 U	UG/KG
STYRENE	5.0	6.3 U	UG/KG
1,1,2,2-TETRACHLOROETHANE	5.0	6.3 U	UG/KG
TETRACHLOROETHENE	5.0	5.8 J	UG/KG
TOLUENE	5.0	6.3U ~~0.72 JB~~	UG/KG
1,2,4-TRICHLOROBENZENE	5.0	6.3 U	UG/KG
1,1,1-TRICHLOROETHANE	5.0	6.3 U	UG/KG
1,1,2-TRICHLOROETHANE	5.0	2.5 J	UG/KG
~~TRICHLOROETHENE~~	5.0	2800 E	UG/KG do not report

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B
Reported: 01/15/08

ENSR International
Project Reference: CON EDISON PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD15 (4-5)

Date Sampled : 12/06/07 12:25 **Order #:** 1060909 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/10/07 **Submission #:** R2741250 **Percent Solid:** 79.7

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 12/12/07			
ANALYTICAL DILUTION: 1.00			Dry Weight
TRICHLOROFLUOROMETHANE	5.0	6.3 U	UG/KG
1,1,2-TRICHLORO1,2,2-TRIFLUOROETHA	5.0	6.3 U J	UG/KG
VINYL CHLORIDE	5.0	25	UG/KG
O-XYLENE	5.0	6.3 U	UG/KG
M+P-XYLENE	5.0	6.3 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(50 - 135 %)	95	%
TOLUENE-D8	(75 - 128 %)	83	%
DIBROMOFLUOROMETHANE	(58 - 133 %)	96	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B
Reported: 01/15/08

ENSR International
Project Reference: CON EDISON PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD15 (4-5)

Date Sampled : 12/06/07 12:25 **Order #:** 1060909 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/10/07 **Submission #:** R2741250 **Percent Solid:** 79.7

DATE ANALYZED : 12/13/07
ANALYTICAL DILUTION: 125.00

ANALYTE	PQL	RESULT	UNITS
			Dry Weight
ACETONE	20	3100 U	UG/KG
BENZENE	5.0	780 U	UG/KG
BROMODICHLOROMETHANE	5.0	780 U	UG/KG
BROMOFORM	5.0	780 U	UG/KG
BROMOMETHANE	5.0	780 U	UG/KG
2-BUTANONE (MEK)	10	1600 U	UG/KG
METHYL-TERT-BUTYL ETHER	5.0	780 U	UG/KG
CARBON DISULFIDE	10	1600 U	UG/KG
CARBON TETRACHLORIDE	5.0	780 U	UG/KG
CHLOROBENZENE	5.0	780 U	UG/KG
CHLOROETHANE	10	1600 U	UG/KG
CHLOROFORM	5.0	780 U	UG/KG
CHLOROMETHANE	5.0	780 U	UG/KG
1,2-DIBROMO-3-CHLOROPROPANE	5.0	780 U	UG/KG
CYCLOHEXANE	5.0	780 U	UG/KG
DIBROMOCHLOROMETHANE	5.0	780 U	UG/KG
1,2-DIBROMOETHANE	5.0	780 U	UG/KG
1,3-DICHLOROBENZENE	5.0	780 U	UG/KG
1,4-DICHLOROBENZENE	5.0	780 U	UG/KG
1,2-DICHLOROBENZENE	5.0	780 U	UG/KG
DICHLORODIFLUOROMETHANE	5.0	780 U	UG/KG
1,1-DICHLOROETHANE	5.0	780 U	UG/KG
1,2-DICHLOROETHANE	5.0	780 U	UG/KG
1,1-DICHLOROETHENE	5.0	780 U	UG/KG
CIS-1,2-DICHLOROETHENE	5.0	120 JØ	UG/KG
TRANS-1,2-DICHLOROETHENE	5.0	780 U	UG/KG
1,2-DICHLOROPROPANE	5.0	780 U	UG/KG
CIS-1,3-DICHLOROPROPENE	5.0	780 U	UG/KG
TRANS-1,3-DICHLOROPROPENE	5.0	780 U	UG/KG
ETHYLBENZENE	5.0	780 U	UG/KG
2-HEXANONE	10	1600 U	UG/KG
ISOPROPYLBENZENE	5.0	780 U	UG/KG
METHYL ACETATE	10	1600 U	UG/KG
METHYLCYCLOHEXANE	5.0	780 U	UG/KG
METHYLENE CHLORIDE	5.0	780 U	UG/KG
4-METHYL-2-PENTANONE (MIBK)	10	1600 U	UG/KG
STYRENE	5.0	780 U	UG/KG
1,1,2,2-TETRACHLOROETHANE	5.0	780 U	UG/KG
TETRACHLOROETHENE	5.0	780 U	UG/KG
TOLUENE	5.0	780 U	UG/KG
1,2,4-TRICHLOROBENZENE	5.0	780 U	UG/KG
1,1,1-TRICHLOROETHANE	5.0	780 U	UG/KG
1,1,2-TRICHLOROETHANE	5.0	780 U	UG/KG
TRICHLOROETHENE	5.0	1400 J	UG/KG

Report this result

Report this result

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B
Reported: 01/15/08

ENSR International
Project Reference: CON EDISON PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD15 (4-5)

Date Sampled : 12/06/07 12:25 **Order #:** 1060909 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/10/07 **Submission #:** R2741250 **Percent Solid:** 79.7

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 12/13/07			
ANALYTICAL DILUTION: 125.00			Dry Weight
TRICHLOROFLUOROMETHANE	5.0	780 U	UG/KG
1,1,2-TRICHLORO1,2,2-TRIFLUOROETHA	5.0	780 U	UG/KG
VINYL CHLORIDE	5.0	780 U	UG/KG
O-XYLENE	5.0	780 U	UG/KG
M+P-XYLENE	5.0	780 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(50 - 135 %)	95	%
TOLUENE-D8	(75 - 128 %)	101	%
DIBROMOFLUOROMETHANE	(58 - 133 %)	95	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B
Reported: 01/15/08

ENSR International
Project Reference: CON EDISON PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD15 (6-7)

Date Sampled : 12/06/07 12:25 **Order #:** 1060910 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/10/07 **Submission #:** R2741250 **Percent Solid:** 75.8

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 12/13/07			
ANALYTICAL DILUTION: 1.00			Dry Weight
ACETONE	20	9.9 J	UG/KG
BENZENE	5.0	6.6 U	UG/KG
BROMODICHLOROMETHANE	5.0	6.6 U	UG/KG
BROMOFORM	5.0	6.6 U	UG/KG
BROMOMETHANE	5.0	6.6 U	UG/KG
2-BUTANONE (MEK)	10	13 U	UG/KG
METHYL-TERT-BUTYL ETHER	5.0	6.6 U	UG/KG
CARBON DISULFIDE	10	0.65 J	UG/KG
CARBON TETRACHLORIDE	5.0	6.6 U	UG/KG
CHLOROBENZENE	5.0	6.6 U	UG/KG
CHLOROETHANE	10	13 U	UG/KG
CHLOROFORM	5.0	6.6 U	UG/KG
CHLOROMETHANE	5.0	6.6 U	UG/KG
1,2-DIBROMO-3-CHLOROPROPANE	5.0	6.6 U	UG/KG
CYCLOHEXANE	5.0	6.6 U	UG/KG
DIBROMOCHLOROMETHANE	5.0	6.6 U	UG/KG
1,2-DIBROMOETHANE	5.0	6.6 U	UG/KG
1,3-DICHLOROBENZENE	5.0	6.6 U	UG/KG
1,4-DICHLOROBENZENE	5.0	6.6 U	UG/KG
1,2-DICHLOROBENZENE	5.0	6.6 U	UG/KG
DICHLORODIFLUOROMETHANE	5.0	6.6 U J	UG/KG
1,1-DICHLOROETHANE	5.0	6.6 U	UG/KG
1,2-DICHLOROETHANE	5.0	6.6 U J	UG/KG
1,1-DICHLOROETHENE	5.0	3.0 J	UG/KG
CIS-1,2-DICHLOROETHENE	5.0	180	UG/KG
TRANS-1,2-DICHLOROETHENE	5.0	1.6 J	UG/KG
1,2-DICHLOROPROPANE	5.0	6.6 U	UG/KG
CIS-1,3-DICHLOROPROPENE	5.0	6.6 U	UG/KG
TRANS-1,3-DICHLOROPROPENE	5.0	6.6 U	UG/KG
ETHYLBENZENE	5.0	6.6 U	UG/KG
2-HEXANONE	10	13 U	UG/KG
ISOPROPYLBENZENE	5.0	6.6 U	UG/KG
METHYL ACETATE	10	13 U	UG/KG
METHYLCYCLOHEXANE	5.0	6.6 U	UG/KG
METHYLENE CHLORIDE	5.0	0.62 J	UG/KG
4-METHYL-2-PENTANONE (MIBK)	10	13 U	UG/KG
STYRENE	5.0	6.6 U	UG/KG
1,1,2,2-TETRACHLOROETHANE	5.0	6.6 U	UG/KG
TETRACHLOROETHENE	5.0	0.99 J	UG/KG
TOLUENE	5.0	6.6 U ~~0.88 J~~	UG/KG
1,2,4-TRICHLOROBENZENE	5.0	6.6 U	UG/KG
1,1,1-TRICHLOROETHANE	5.0	6.6 U	UG/KG
1,1,2-TRICHLOROETHANE	5.0	2.1 J	UG/KG
~~TRICHLOROETHENE~~	5.0	1300 E	UG/KG do not report

00056

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B
Reported: 01/15/08

ENSR International
Project Reference: CON EDISON PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD15 (6-7)

Date Sampled : 12/06/07 12:25 **Order #:** 1060910 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/10/07 **Submission #:** R2741250 **Percent Solid:** 75.8

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 12/13/07			
ANALYTICAL DILUTION: 1.00			Dry Weight
TRICHLOROFLUOROMETHANE	5.0	6.6 UJ	UG/KG
1,1,2-TRICHLORO1,2,2-TRIFLUOROETHA	5.0	6.6 UJ	UG/KG
VINYL CHLORIDE	5.0	15	UG/KG
O-XYLENE	5.0	6.6 U	UG/KG
M+P-XYLENE	5.0	6.6 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(50 - 135 %)	94	%
TOLUENE-D8	(75 - 128 %)	85	%
DIBROMOFLUOROMETHANE	(58 - 133 %)	93	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B
Reported: 01/15/08

ENSR International
Project Reference: CON EDISON PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD15 (6-7)

Date Sampled : 12/06/07 12:25 **Order #:** 1060910 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/10/07 **Submission #:** R2741250 **Percent Solid:** 75.8

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 01/08/08			
ANALYTICAL DILUTION: 125.00			Dry Weight
ACETONE	20	3300 U	UG/KG
BENZENE	5.0	820 U	UG/KG
BROMODICHLOROMETHANE	5.0	820 U	UG/KG
BROMOFORM	5.0	820 U	UG/KG
BROMOMETHANE	5.0	820 U	UG/KG
2-BUTANONE (MEK)	10	240 JB	UG/KG
METHYL-TERT-BUTYL ETHER	5.0	820 U	UG/KG
CARBON DISULFIDE	10	1600 U	UG/KG
CARBON TETRACHLORIDE	5.0	820 U	UG/KG
CHLOROBENZENE	5.0	820 U	UG/KG
CHLOROETHANE	10	1600 U	UG/KG
CHLOROFORM	5.0	820 U	UG/KG
CHLOROMETHANE	5.0	820 U	UG/KG
1,2-DIBROMO-3-CHLOROPROPANE	5.0	820 U	UG/KG
CYCLOHEXANE	5.0	820 U	UG/KG
DIBROMOCHLOROMETHANE	5.0	820 U	UG/KG
1,2-DIBROMOETHANE	5.0	820 U	UG/KG
1,3-DICHLOROBENZENE	5.0	820 U	UG/KG
1,4-DICHLOROBENZENE	5.0	820 U	UG/KG
1,2-DICHLOROBENZENE	5.0	820 U	UG/KG
DICHLORODIFLUOROMETHANE	5.0	820 U	UG/KG
1,1-DICHLOROETHANE	5.0	820 U	UG/KG
1,2-DICHLOROETHANE	5.0	820 U	UG/KG
1,1-DICHLOROETHENE	5.0	820 U	UG/KG
CIS-1,2-DICHLOROETHENE	5.0	100 J	UG/KG
TRANS-1,2-DICHLOROETHENE	5.0	820 U	UG/KG
1,2-DICHLOROPROPANE	5.0	820 U	UG/KG
CIS-1,3-DICHLOROPROPENE	5.0	820 U	UG/KG
TRANS-1,3-DICHLOROPROPENE	5.0	820 U	UG/KG
ETHYLBENZENE	5.0	820 U	UG/KG
2-HEXANONE	10	1600 U	UG/KG
ISOPROPYLBENZENE	5.0	820 U	UG/KG
METHYL ACETATE	10	1600 U	UG/KG
METHYLCYCLOHEXANE	5.0	820 U	UG/KG
METHYLENE CHLORIDE	5.0	820 U	UG/KG
4-METHYL-2-PENTANONE (MIBK)	10	1600 U	UG/KG
STYRENE	5.0	820 U	UG/KG
1,1,2,2-TETRACHLOROETHANE	5.0	820 U	UG/KG
TETRACHLOROETHENE	5.0	820 U	UG/KG
TOLUENE	5.0	820 U	UG/KG
1,2,4-TRICHLOROBENZENE	5.0	820 U	UG/KG
1,1,1-TRICHLOROETHANE	5.0	820 U	UG/KG
~~1,1,2-TRICHLOROETHANE~~	5.0	820 U	UG/KG
TRICHLOROETHENE	5.0	960 DJ	UG/KG

00058

Report this result only

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B
Reported: 01/15/08

ENSR International
Project Reference: CON EDISON PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD15 (6-7)

Date Sampled : 12/06/07 12:25 **Order #:** 1060910 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/10/07 **Submission #:** R2741250 **Percent Solid:** 75.8

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 01/08/00			
ANALYTICAL DILUTION: 125.00			Dry Weight
TRICHLOROFLUOROMETHANE	5.0	820 U	UG/KG
1,1,2-TRICHLORO1,2,2-TRIFLUOROETHA	5.0	820 U	UG/KG
VINYL CHLORIDE	5.0	820 U	UG/KG
O-XYLENE	5.0	820 U	UG/KG
M+P-XYLENE	5.0	820 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(50 - 135 %)	104	%
TOLUENE-D8	(75 - 128 %)	102	%
DIBROMOFLUOROMETHANE	(58 - 133 %)	108	%

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8270C SEMIVOLATILES
Reported: 01/15/08

ENSR International
Project Reference: CON EDISON PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD7 (19-21)

Date Sampled : 12/03/07 13:30 **Order #:** 1060877 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/10/07 **Submission #:** R2741250 **Percent Solid:** 56.9

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 12/13/07			
DATE ANALYZED : 12/21/07			
ANALYTICAL DILUTION: 1.00			Dry Weight
ACENAPHTHENE	330	580 U	UG/KG
ACENAPHTHYLENE	330	580 U	UG/KG
ACETOPHENONE	330	580 U	UG/KG
ANTHRACENE	330	580 U	UG/KG
ATRAZINE	330	580 UJ	UG/KG
BENZALDEHYDE	330	580 UJ	UG/KG
BENZO(A)ANTHRACENE	330	580 U	UG/KG
BENZO(A)PYRENE	330	580 U	UG/KG
BENZO(B)FLUORANTHENE	330	580 U	UG/KG
BENZO(G,H,I)PERYLENE	330	580 U	UG/KG
BENZO(K)FLUORANTHENE	330	580 U	UG/KG
1,1'-BIPHENYL	330	580 U	UG/KG
BUTYL BENZYL PHTHALATE	330	580 U	UG/KG
DI-N-BUTYLPHTHALATE	330	580 U	UG/KG
CAPROLACTAM	330	580 U	UG/KG
CARBAZOLE	330	580 U	UG/KG
INDENO(1,2,3-CD)PYRENE	330	580 U	UG/KG
4-CHLOROANILINE	330	580 U	UG/KG
BIS(-2-CHLOROETHOXY)METHANE	330	580 U	UG/KG
BIS(2-CHLOROETHYL)ETHER	330	580 U	UG/KG
2-CHLORONAPHTHALENE	330	580 U	UG/KG
2-CHLOROPHENOL	330	580 U	UG/KG
2,2'-OXYBIS(1-CHLOROPROPANE)	330	580 U	UG/KG
CHRYSENE	330	580 U	UG/KG
DIBENZO(A,H)ANTHRACENE	330	580 U	UG/KG
DIBENZOFURAN	330	580 U	UG/KG
3,3'-DICHLOROBENZIDINE	330	580 U	UG/KG
2,4-DICHLOROPHENOL	330	580 U	UG/KG
DIETHYLPHTHALATE	330	580 U	UG/KG
DIMETHYL PHTHALATE	330	580 U	UG/KG
2,4-DIMETHYLPHENOL	330	580 U	UG/KG
2,4-DINITROPHENOL	1700	3000 U	UG/KG
2,4-DINITROTOLUENE	330	580 U	UG/KG
2,6-DINITROTOLUENE	330	580 U	UG/KG
BIS(2-ETHYLHEXYL)PHTHALATE	330	580 U	UG/KG
FLUORANTHENE	330	580 U	UG/KG
FLUORENE	330	580 U	UG/KG
HEXACHLOROBENZENE	330	580 U	UG/KG
HEXACHLOROBUTADIENE	330	580 U	UG/KG
HEXACHLOROCYCLOPENTADIENE	330	580 U	UG/KG
HEXACHLOROETHANE	330	580 U	UG/KG
ISOPHORONE	330	580 U	UG/KG
2-METHYLNAPHTHALENE	330	580 U	UG/KG

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8270C SEMIVOLATILES
Reported: 01/15/08

ENSR International
Project Reference: CON EDISON PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD7 (19-21)

Date Sampled : 12/03/07 13:30 **Order #:** 1060877 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/10/07 **Submission #:** R2741250 **Percent Solid:** 56.9

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 12/13/07			
DATE ANALYZED : 12/21/07			
ANALYTICAL DILUTION: 1.00			Dry Weight
4,6-DINITRO-2-METHYLPHENOL	1700	3000 U	UG/KG
4-CHLORO-3-METHYLPHENOL	330	580 U	UG/KG
2-METHYLPHENOL	330	580 U	UG/KG
4-METHYLPHENOL	330	580 U	UG/KG
NAPHTHALENE	330	60 J	UG/KG
2-NITROANILINE	1700	3000 U	UG/KG
3-NITROANILINE	1700	3000 U	UG/KG
4-NITROANILINE	1700	3000 U	UG/KG
NITROBENZENE	330	580 U	UG/KG
2-NITROPHENOL	330	580 U	UG/KG
4-NITROPHENOL	1700	3000 U	UG/KG
N-NITROSODIPHENYLAMINE	330	580 U	UG/KG
DI-N-OCTYL PHTHALATE	330	580 U	UG/KG
PENTACHLOROPHENOL	1700	3000 U	UG/KG
PHENANTHRENE	330	580 U	UG/KG
PHENOL	330	580 U	UG/KG
4-BROMOPHENYL-PHENYLETHER	330	580 U	UG/KG
4-CHLOROPHENYL-PHENYLETHER	330	580 U	UG/KG
N-NITROSO-DI-N-PROPYLAMINE	330	580 U	UG/KG
PYRENE	330	580 U	UG/KG
2,4,6-TRICHLOROPHENOL	330	580 U	UG/KG
2,4,5-TRICHLOROPHENOL	330	580 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
TERPHENYL-d14	(48 - 131 %)	85	%
NITROBENZENE-d5	(27 - 130 %)	75	%
PHENOL-d6	(10 - 133 %)	70	%
2-FLUOROBIPHENYL	(32 - 130 %)	68	%
2-FLUOROPHENOL	(10 - 130 %)	64	%
2,4,6-TRIBROMOPHENOL	(33 - 139 %)	78	%

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8270C SEMIVOLATILES
Reported: 01/15/08

ENSR International
Project Reference: CON EDISON PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD9 (2-4)

Date Sampled : 12/05/07 10:10 **Order #:** 1060882 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/10/07 **Submission #:** R2741250 **Percent Solid:** 85.3

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 12/13/07			
DATE ANALYZED : 12/26/07			
ANALYTICAL DILUTION: 10.00			Dry Weight
ACENAPHTHENE	330	30000	UG/KG
ACENAPHTHYLENE	330	2300 J	UG/KG
ACETOPHENONE	330	3900 U	UG/KG
ANTHRACENE	330	12000	UG/KG
ATRAZINE	330	3900 UJ	UG/KG
BENZALDEHYDE	330	3900 UJ	UG/KG
BENZO(A)ANTHRACENE	330	8200	UG/KG
BENZO(A)PYRENE	330	6400	UG/KG
BENZO(B)FLUORANTHENE	330	3400 J	UG/KG
BENZO(G,H,I)PERYLENE	330	2800 J	UG/KG
BENZO(K)FLUORANTHENE	330	3900	UG/KG
1,1'-BIPHENYL	330	4200	UG/KG
BUTYL BENZYL PHTHALATE	330	3900 U	UG/KG
DI-N-BUTYLPHTHALATE	330	3900 U	UG/KG
CAPROLACTAM	330	3900 U	UG/KG
CARBAZOLE	330	3900 U	UG/KG
INDENO(1,2,3-CD)PYRENE	330	2300 J	UG/KG
4-CHLOROANILINE	330	3900 U	UG/KG
BIS(-2-CHLOROETHOXY)METHANE	330	3900 U	UG/KG
BIS(2-CHLOROETHYL)ETHER	330	3900 U	UG/KG
2-CHLORONAPHTHALENE	330	3900 U	UG/KG
2-CHLOROPHENOL	330	3900 U	UG/KG
2,2'-OXYBIS(1-CHLOROPROPANE)	330	3900 U	UG/KG
CHRYSENE	330	8000	UG/KG
DIBENZO(A,H)ANTHRACENE	330	900 J	UG/KG
DIBENZOFURAN	330	1300 J	UG/KG
3,3'-DICHLOROBENZIDINE	330	3900 U	UG/KG
2,4-DICHLOROPHENOL	330	3900 U	UG/KG
DIETHYLPHTHALATE	330	3900 U	UG/KG
DIMETHYL PHTHALATE	330	3900 U	UG/KG
2,4-DIMETHYLPHENOL	330	3900 U	UG/KG
2,4-DINITROPHENOL	1700	20000 U	UG/KG
2,4-DINITROTOLUENE	330	3900 U	UG/KG
2,6-DINITROTOLUENE	330	3900 U	UG/KG
BIS(2-ETHYLHEXYL)PHTHALATE	330	390 J	UG/KG
FLUORANTHENE	330	16000	UG/KG
FLUORENE	330	13000	UG/KG
HEXACHLOROBENZENE	330	3900 U	UG/KG
HEXACHLOROBUTADIENE	330	3900 U	UG/KG
HEXACHLOROCYCLOPENTADIENE	330	3900 UJ	UG/KG
HEXACHLOROETHANE	330	3900 U	UG/KG
ISOPHORONE	330	3900 U	UG/KG
2-METHYLNAPHTHALENE	330	50000	UG/KG

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8270C SEMIVOLATILES
Reported: 01/15/08

ENSR International
Project Reference: CON EDISON PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD9 (2-4)

Date Sampled : 12/05/07 10:10 **Order #:** 1060882 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/10/07 **Submission #:** R2741250 **Percent Solid:** 85.3

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 12/13/07			
DATE ANALYZED : 12/26/07			
ANALYTICAL DILUTION: 10.00			Dry Weight
4,6-DINITRO-2-METHYLPHENOL	1700	20000 U	UG/KG
4-CHLORO-3-METHYLPHENOL	330	3900 U	UG/KG
2-METHYLPHENOL	330	3900 U	UG/KG
4-METHYLPHENOL	330	3900 U	UG/KG
NAPHTHALENE	330	54000	UG/KG
2-NITROANILINE	1700	20000 U	UG/KG
3-NITROANILINE	1700	20000 U	UG/KG
4-NITROANILINE	1700	20000 U	UG/KG
NITROBENZENE	330	3900 U	UG/KG
2-NITROPHENOL	330	3900 U	UG/KG
4-NITROPHENOL	1700	20000 U	UG/KG
N-NITROSODIPHENYLAMINE	330	3900 U	UG/KG
DI-N-OCTYL PHTHALATE	330	3900 U	UG/KG
PENTACHLOROPHENOL	1700	20000 U	UG/KG
PHENANTHRENE	330	41000	UG/KG
PHENOL	330	3900 U	UG/KG
4-BROMOPHENYL-PHENYLETHER	330	3900 U	UG/KG
4-CHLOROPHENYL-PHENYLETHER	330	3900 U	UG/KG
N-NITROSO-DI-N-PROPYLAMINE	330	3900 U	UG/KG
PYRENE	330	21000	UG/KG
2,4,6-TRICHLOROPHENOL	330	3900 U	UG/KG
2,4,5-TRICHLOROPHENOL	330	3900 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
TERPHENYL-d14	(48 - 131 %)	67	%
NITROBENZENE-d5	(27 - 130 %)	71	%
PHENOL-d6	(10 - 133 %)	63	%
2-FLUOROBIPHENYL	(32 - 130 %)	77	%
2-FLUOROPHENOL	(10 - 130 %)	54	%
2,4,6-TRIBROMOPHENOL	(33 - 139 %)	81	%

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8270C SEMIVOLATILES
Reported: 01/15/08

ENSR International
Project Reference: CON EDISON PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD9 (5-7)

Date Sampled : 12/05/07 10:45 **Order #:** 1060888 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/10/07 **Submission #:** R2741250 **Percent Solid:** 58.6

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 12/13/07			
DATE ANALYZED : 12/21/07			
ANALYTICAL DILUTION: 1.00			Dry Weight
ACENAPHTHENE	330	150 J	UG/KG
ACENAPHTHYLENE	330	44 J	UG/KG
ACETOPHENONE	330	560 U	UG/KG
ANTHRACENE	330	240 J	UG/KG
ATRAZINE	330	560 UJ	UG/KG
BENZALDEHYDE	330	560 UJ	UG/KG
BENZO(A)ANTHRACENE	330	560 J	UG/KG
BENZO(A)PYRENE	330	550 J	UG/KG
BENZO(B)FLUORANTHENE	330	390 J	UG/KG
BENZO(G,H,I)PERYLENE	330	310 J	UG/KG
BENZO(K)FLUORANTHENE	330	410 J	UG/KG
1,1'-BIPHENYL	330	560 U	UG/KG
BUTYL BENZYL PHTHALATE	330	560 U	UG/KG
DI-N-BUTYLPHTHALATE	330	560 U	UG/KG
CAPROLACTAM	330	560 U	UG/KG
CARBAZOLE	330	560 U	UG/KG
INDENO(1,2,3-CD)PYRENE	330	270 J	UG/KG
4-CHLOROANILINE	330	560 U	UG/KG
BIS(-2-CHLOROETHOXY)METHANE	330	560 U	UG/KG
BIS(2-CHLOROETHYL)ETHER	330	560 U	UG/KG
2-CHLORONAPHTHALENE	330	560 U	UG/KG
2-CHLOROPHENOL	330	560 U	UG/KG
2,2'-OXYBIS(1-CHLOROPROPANE)	330	560 U	UG/KG
CHRYSENE	330	510 J	UG/KG
DIBENZO(A,H)ANTHRACENE	330	77 J	UG/KG
DIBENZOFURAN	330	560 U	UG/KG
3,3'-DICHLOROBENZIDINE	330	560 U	UG/KG
2,4-DICHLOROPHENOL	330	560 U	UG/KG
DIETHYLPHTHALATE	330	560 U	UG/KG
DIMETHYL PHTHALATE	330	560 U	UG/KG
2,4-DIMETHYLPHENOL	330	560 U	UG/KG
2,4-DINITROPHENOL	1700	2900 U	UG/KG
2,4-DINITROTOLUENE	330	560 U	UG/KG
2,6-DINITROTOLUENE	330	560 U	UG/KG
BIS(2-ETHYLHEXYL)PHTHALATE	330	560 U	UG/KG
FLUORANTHENE	330	920	UG/KG
FLUORENE	330	120 J	UG/KG
HEXACHLOROBENZENE	330	560 U	UG/KG
HEXACHLOROBUTADIENE	330	560 U	UG/KG
HEXACHLOROCYCLOPENTADIENE	330	560 U	UG/KG
HEXACHLOROETHANE	330	560 U	UG/KG
ISOPHORONE	330	560 U	UG/KG
2-METHYLNAPHTHALENE	330	560 U	UG/KG

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8270C SEMIVOLATILES
Reported: 01/15/08

ENSR International
Project Reference: CON EDISON PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD9 (5-7)

Date Sampled : 12/05/07 10:45 **Order #:** 1060888 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/10/07 **Submission #:** R2741250 **Percent Solid:** 58.6

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 12/13/07			
DATE ANALYZED : 12/21/07			
ANALYTICAL DILUTION: 1.00			Dry Weight
4,6-DINITRO-2-METHYLPHENOL	1700	2900 U	UG/KG
4-CHLORO-3-METHYLPHENOL	330	560 U	UG/KG
2-METHYLPHENOL	330	560 U	UG/KG
4-METHYLPHENOL	330	560 U	UG/KG
NAPHTHALENE	330	75 J	UG/KG
2-NITROANILINE	1700	2900 U	UG/KG
3-NITROANILINE	1700	2900 U	UG/KG
4-NITROANILINE	1700	2900 U	UG/KG
NITROBENZENE	330	560 U	UG/KG
2-NITROPHENOL	330	560 U	UG/KG
4-NITROPHENOL	1700	2900 U	UG/KG
N-NITROSODIPHENYLAMINE	330	560 U	UG/KG
DI-N-OCTYL PHTHALATE	330	560 U	UG/KG
PENTACHLOROPHENOL	1700	2900 U	UG/KG
PHENANTHRENE	330	630	UG/KG
PHENOL	330	560 U	UG/KG
4-BROMOPHENYL-PHENYLETHER	330	560 U	UG/KG
4-CHLOROPHENYL-PHENYLETHER	330	560 U	UG/KG
N-NITROSO-DI-N-PROPYLAMINE	330	560 U	UG/KG
PYRENE	330	840	UG/KG
2,4,6-TRICHLOROPHENOL	330	560 U	UG/KG
2,4,5-TRICHLOROPHENOL	330	560 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
TERPHENYL-d14	(48 - 131 %)	65	%
NITROBENZENE-d5	(27 - 130 %)	67	%
PHENOL-d6	(10 - 133 %)	59	%
2-FLUOROBIPHENYL	(32 - 130 %)	73	%
2-FLUOROPHENOL	(10 - 130 %)	55	%
2,4,6-TRIBROMOPHENOL	(33 - 139 %)	68	%

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8270C SEMIVOLATILES
Reported: 01/15/08

ENSR International
Project Reference: CON EDISON PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD10 (2-3)

Date Sampled : 12/05/07 12:30 **Order #:** 1060892 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/10/07 **Submission #:** R2741250 **Percent Solid:** 78.3

ANALYTE	PQL	RESULT		UNITS
DATE EXTRACTED : 12/13/07				
DATE ANALYZED : 12/26/07				
ANALYTICAL DILUTION: 8.00				Dry Weight
ACENAPHTHENE	330	14000		UG/KG
ACENAPHTHYLENE	330	1900	J	UG/KG
ACETOPHENONE	330	3400	U	UG/KG
ANTHRACENE	330	8000		UG/KG
ATRAZINE	330	3400	UJ	UG/KG
BENZALDEHYDE	330	3400	UJ	UG/KG
BENZO(A)ANTHRACENE	330	6100		UG/KG
BENZO(A)PYRENE	330	5000		UG/KG
BENZO(B)FLUORANTHENE	330	2600	J	UG/KG
BENZO(G,H,I)PERYLENE	330	2600	J	UG/KG
BENZO(K)FLUORANTHENE	330	3100	J	UG/KG
1,1'-BIPHENYL	330	1500	J	UG/KG
BUTYL BENZYL PHTHALATE	330	3400	U	UG/KG
DI-N-BUTYLPHTHALATE	330	3400	U	UG/KG
CAPROLACTAM	330	3400	U	UG/KG
CARBAZOLE	330	3400	U	UG/KG
INDENO(1,2,3-CD)PYRENE	330	2000	J	UG/KG
4-CHLOROANILINE	330	3400	U	UG/KG
BIS(-2-CHLOROETHOXY)METHANE	330	3400	U	UG/KG
BIS(2-CHLOROETHYL)ETHER	330	3400	U	UG/KG
2-CHLORONAPHTHALENE	330	3400	U	UG/KG
2-CHLOROPHENOL	330	3400	U	UG/KG
2,2'-OXYBIS(1-CHLOROPROPANE)	330	3400	U	UG/KG
CHRYSENE	330	6100		UG/KG
DIBENZO(A,H)ANTHRACENE	330	770	J	UG/KG
DIBENZOFURAN	330	640	J	UG/KG
3,3'-DICHLOROBENZIDINE	330	3400	U	UG/KG
2,4-DICHLOROPHENOL	330	3400	U	UG/KG
DIETHYLPHTHALATE	330	3400	U	UG/KG
DIMETHYL PHTHALATE	330	3400	U	UG/KG
2,4-DIMETHYLPHENOL	330	3400	U	UG/KG
2,4-DINITROPHENOL	1700	17000	U	UG/KG
2,4-DINITROTOLUENE	330	3400	U	UG/KG
2,6-DINITROTOLUENE	330	3400	U	UG/KG
BIS(2-ETHYLHEXYL)PHTHALATE	330	320	J	UG/KG
FLUORANTHENE	330	11000		UG/KG
FLUORENE	330	7700		UG/KG
HEXACHLOROBENZENE	330	3400	U	UG/KG
HEXACHLOROBUTADIENE	330	3400	U	UG/KG
HEXACHLOROCYCLOPENTADIENE	330	3400	UJ	UG/KG
HEXACHLOROETHANE	330	3400	U	UG/KG
ISOPHORONE	330	3400	U	UG/KG
2-METHYLNAPHTHALENE	330	15000		UG/KG

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8270C SEMIVOLATILES
Reported: 01/15/08

ENSR International
Project Reference: CON EDISON PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD10 (2-3)

Date Sampled : 12/05/07 12:30 **Order #:** 1060892 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/10/07 **Submission #:** R2741250 **Percent Solid:** 78.3

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 12/13/07			
DATE ANALYZED : 12/26/07			
ANALYTICAL DILUTION: 8.00			Dry Weight
4,6-DINITRO-2-METHYLPHENOL	1700	17000 U	UG/KG
4-CHLORO-3-METHYLPHENOL	330	3400 U	UG/KG
2-METHYLPHENOL	330	3400 U	UG/KG
4-METHYLPHENOL	330	3400 U	UG/KG
NAPHTHALENE	330	11000	UG/KG
2-NITROANILINE	1700	17000 U	UG/KG
3-NITROANILINE	1700	17000 U	UG/KG
4-NITROANILINE	1700	17000 U	UG/KG
NITROBENZENE	330	3400 U	UG/KG
2-NITROPHENOL	330	3400 U	UG/KG
4-NITROPHENOL	1700	17000 U	UG/KG
N-NITROSODIPHENYLAMINE	330	3400 U	UG/KG
DI-N-OCTYL PHTHALATE	330	3400 U	UG/KG
PENTACHLOROPHENOL	1700	17000 U	UG/KG
PHENANTHRENE	330	27000	UG/KG
PHENOL	330	3400 U	UG/KG
4-BROMOPHENYL-PHENYLETHER	330	3400 U	UG/KG
4-CHLOROPHENYL-PHENYLETHER	330	3400 U	UG/KG
N-NITROSO-DI-N-PROPYLAMINE	330	3400 U	UG/KG
PYRENE	330	15000	UG/KG
2,4,6-TRICHLOROPHENOL	330	3400 U	UG/KG
2,4,5-TRICHLOROPHENOL	330	3400 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
TERPHENYL-d14	(48 - 131 %)	70	%
NITROBENZENE-d5	(27 - 130 %)	58	%
PHENOL-d6	(10 - 133 %)	49	%
2-FLUOROBIPHENYL	(32 - 130 %)	66	%
2-FLUOROPHENOL	(10 - 130 %)	44	%
2,4,6-TRIBROMOPHENOL	(33 - 139 %)	77	%

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8270C SEMIVOLATILES
Reported: 01/15/08

ENSR International
Project Reference: CON EDISON PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD11 (6-8)

Date Sampled : 12/05/07 14:15 **Order #:** 1060894 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/10/07 **Submission #:** R2741250 **Percent Solid:** 53.2

ANALYTE	PQL	RESULT		UNITS
DATE EXTRACTED : 12/13/07				
DATE ANALYZED : 12/26/07				
ANALYTICAL DILUTION: 20.00				Dry Weight
ACENAPHTHENE	330	60000		UG/KG
ACENAPHTHYLENE	330	7300	J	UG/KG
ACETOPHENONE	330	12000	U	UG/KG
ANTHRACENE	330	41000		UG/KG
ATRAZINE	330	12000	UJ	UG/KG
BENZALDEHYDE	330	12000	UJ	UG/KG
BENZO(A)ANTHRACENE	330	32000		UG/KG
BENZO(A)PYRENE	330	24000		UG/KG
BENZO(B)FLUORANTHENE	330	13000		UG/KG
BENZO(G,H,I)PERYLENE	330	12000	J	UG/KG
BENZO(K)FLUORANTHENE	330	14000		UG/KG
1,1'-BIPHENYL	330	6800	J	UG/KG
BUTYL BENZYL PHTHALATE	330	12000	U	UG/KG
DI-N-BUTYLPHTHALATE	330	12000	U	UG/KG
CAPROLACTAM	330	12000	U	UG/KG
CARBAZOLE	330	1100	J	UG/KG
INDENO(1,2,3-CD)PYRENE	330	10000	J	UG/KG
4-CHLOROANILINE	330	12000	U	UG/KG
BIS(-2-CHLOROETHOXY)METHANE	330	12000	U	UG/KG
BIS(2-CHLOROETHYL)ETHER	330	12000	U	UG/KG
2-CHLORONAPHTHALENE	330	12000	U	UG/KG
2-CHLOROPHENOL	330	12000	U	UG/KG
2,2'-OXYBIS(1-CHLOROPROPANE)	330	12000	U	UG/KG
CHRYSENE	330	32000		UG/KG
DIBENZO(A,H)ANTHRACENE	330	3800	J	UG/KG
DIBENZOFURAN	330	2800	J	UG/KG
3,3'-DICHLOROBENZIDINE	330	12000	U	UG/KG
2,4-DICHLOROPHENOL	330	12000	U	UG/KG
DIETHYLPHTHALATE	330	12000	U	UG/KG
DIMETHYL PHTHALATE	330	12000	U	UG/KG
2,4-DIMETHYLPHENOL	330	12000	U	UG/KG
2,4-DINITROPHENOL	1700	64000	U	UG/KG
2,4-DINITROTOLUENE	330	12000	U	UG/KG
2,6-DINITROTOLUENE	330	12000	U	UG/KG
BIS(2-ETHYLHEXYL)PHTHALATE	330	12000	U	UG/KG
FLUORANTHENE	330	55000		UG/KG
FLUORENE	330	30000		UG/KG
HEXACHLOROBENZENE	330	12000	U	UG/KG
HEXACHLOROBUTADIENE	330	12000	U	UG/KG
HEXACHLOROCYCLOPENTADIENE	330	12000	UJ	UG/KG
HEXACHLOROETHANE	330	12000	U	UG/KG
ISOPHORONE	330	12000	U	UG/KG
2-METHYLNAPHTHALENE	330	15000		UG/KG

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8270C SEMIVOLATILES
Reported: 01/15/08

ENSR International
Project Reference: CON EDISON PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD11 (6-8)

Date Sampled : 12/05/07 14:15 **Order #:** 1060894 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/10/07 **Submission #:** R2741250 **Percent Solid:** 53.2

ANALYTE	PQL	RESULT		UNITS
DATE EXTRACTED : 12/13/07				
DATE ANALYZED : 12/26/07				
ANALYTICAL DILUTION: 20.00				Dry Weight
4,6-DINITRO-2-METHYLPHENOL	1700	64000	U	UG/KG
4-CHLORO-3-METHYLPHENOL	330	12000	U	UG/KG
2-METHYLPHENOL	330	12000	U	UG/KG
4-METHYLPHENOL	330	12000	U	UG/KG
NAPHTHALENE	330	17000		UG/KG
2-NITROANILINE	1700	64000	U	UG/KG
3-NITROANILINE	1700	64000	U	UG/KG
4-NITROANILINE	1700	64000	U	UG/KG
NITROBENZENE	330	12000	U	UG/KG
2-NITROPHENOL	330	12000	U	UG/KG
4-NITROPHENOL	1700	64000	U	UG/KG
N-NITROSODIPHENYLAMINE	330	12000	U	UG/KG
DI-N-OCTYL PHTHALATE	330	12000	U	UG/KG
PENTACHLOROPHENOL	1700	64000	U	UG/KG
PHENANTHRENE	330	120000		UG/KG
PHENOL	330	12000	U	UG/KG
4-BROMOPHENYL-PHENYLETHER	330	12000	U	UG/KG
4-CHLOROPHENYL-PHENYLETHER	330	12000	U	UG/KG
N-NITROSO-DI-N-PROPYLAMINE	330	12000	U	UG/KG
PYRENE	330	75000		UG/KG
2,4,6-TRICHLOROPHENOL	330	12000	U	UG/KG
2,4,5-TRICHLOROPHENOL	330	12000	U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
TERPHENYL-d14	(48 - 131 %)	D	%
NITROBENZENE-d5	(27 - 130 %)	D	%
PHENOL-d6	(10 - 133 %)	D	%
2-FLUOROBIPHENYL	(32 - 130 %)	D	%
2-FLUOROPHENOL	(10 - 130 %)	D	%
2,4,6-TRIBROMOPHENOL	(33 - 139 %)	D	%

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8270C SEMIVOLATILES
Reported: 01/15/08

ENSR International
Project Reference: CON EDISON PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD11 (16-17)

Date Sampled : 12/05/07 14:20 **Order #:** 1060895 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/10/07 **Submission #:** R2741250 **Percent Solid:** 81.0

DATE EXTRACTED : 12/13/07
DATE ANALYZED : 12/21/07
ANALYTICAL DILUTION: 1.00

ANALYTE	PQL	RESULT	UNITS
			Dry Weight
ACENAPHTHENE	330	440	UG/KG
ACENAPHTHYLENE	330	47 J	UG/KG
ACETOPHENONE	330	410 U	UG/KG
ANTHRACENE	330	230 J	UG/KG
ATRAZINE	330	410 UJ	UG/KG
BENZALDEHYDE	330	410 UJ	UG/KG
BENZO(A)ANTHRACENE	330	190 J	UG/KG
BENZO(A)PYRENE	330	150 J	UG/KG
BENZO(B)FLUORANTHENE	330	89 J	UG/KG
BENZO(G,H,I)PERYLENE	330	81 J	UG/KG
BENZO(K)FLUORANTHENE	330	110 J	UG/KG
1,1'-BIPHENYL	330	49 J	UG/KG
BUTYL BENZYL PHTHALATE	330	410 U	UG/KG
DI-N-BUTYLPHTHALATE	330	410 U	UG/KG
CAPROLACTAM	330	410 U	UG/KG
CARBAZOLE	330	410 U	UG/KG
INDENO(1,2,3-CD)PYRENE	330	63 J	UG/KG
4-CHLOROANILINE	330	410 U	UG/KG
BIS(-2-CHLOROETHOXY)METHANE	330	410 U	UG/KG
BIS(2-CHLOROETHYL)ETHER	330	410 U	UG/KG
2-CHLORONAPHTHALENE	330	410 U	UG/KG
2-CHLOROPHENOL	330	410 U	UG/KG
2,2'-OXYBIS(1-CHLOROPROPANE)	330	410 U	UG/KG
CHRYSENE	330	190 J	UG/KG
DIBENZO(A,H)ANTHRACENE	330	410 U	UG/KG
DIBENZOFURAN	330	30 J	UG/KG
3,3'-DICHLOROBENZIDINE	330	410 U	UG/KG
2,4-DICHLOROPHENOL	330	410 U	UG/KG
DIETHYLPHTHALATE	330	410 U	UG/KG
DIMETHYL PHTHALATE	330	410 U	UG/KG
2,4-DIMETHYLPHENOL	330	410 U	UG/KG
2,4-DINITROPHENOL	1700	2100 U	UG/KG
2,4-DINITROTOLUENE	330	410 U	UG/KG
2,6-DINITROTOLUENE	330	410 U	UG/KG
BIS(2-ETHYLHEXYL)PHTHALATE	330	49 J	UG/KG
FLUORANTHENE	330	330 J	UG/KG
FLUORENE	330	230 J	UG/KG
HEXACHLOROBENZENE	330	410 U	UG/KG
HEXACHLOROBUTADIENE	330	410 U	UG/KG
HEXACHLOROCYCLOPENTADIENE	330	410 U	UG/KG
HEXACHLOROETHANE	330	410 U	UG/KG
ISOPHORONE	330	410 U	UG/KG
2-METHYLNAPHTHALENE	330	250 J	UG/KG

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8270C SEMIVOLATILES
Reported: 01/15/08

ENSR International
Project Reference: CON EDISON PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD11 (16-17)

Date Sampled : 12/05/07 14:20 **Order #:** 1060895 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/10/07 **Submission #:** R2741250 **Percent Solid:** 81.0

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 12/13/07			
DATE ANALYZED : 12/21/07			
ANALYTICAL DILUTION: 1.00			Dry Weight
4,6-DINITRO-2-METHYLPHENOL	1700	2100 U	UG/KG
4-CHLORO-3-METHYLPHENOL	330	410 U	UG/KG
2-METHYLPHENOL	330	410 U	UG/KG
4-METHYLPHENOL	330	410 U	UG/KG
NAPHTHALENE	330	250 J	UG/KG
2-NITROANILINE	1700	2100 U	UG/KG
3-NITROANILINE	1700	2100 U	UG/KG
4-NITROANILINE	1700	2100 U	UG/KG
NITROBENZENE	330	410 U	UG/KG
2-NITROPHENOL	330	410 U	UG/KG
4-NITROPHENOL	1700	2100 U	UG/KG
N-NITROSODIPHENYLAMINE	330	410 U	UG/KG
DI-N-OCTYL PHTHALATE	330	410 U	UG/KG
PENTACHLOROPHENOL	1700	2100 U	UG/KG
PHENANTHRENE	330	790	UG/KG
PHENOL	330	410 U	UG/KG
4-BROMOPHENYL-PHENYLETHER	330	410 U	UG/KG
4-CHLOROPHENYL-PHENYLETHER	330	410 U	UG/KG
N-NITROSO-DI-N-PROPYLAMINE	330	410 U	UG/KG
PYRENE	330	400 J	UG/KG
2,4,6-TRICHLOROPHENOL	330	410 U	UG/KG
2,4,5-TRICHLOROPHENOL	330	410 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
TERPHENYL-d14	(48 - 131 %)	78	%
NITROBENZENE-d5	(27 - 130 %)	81	%
PHENOL-d6	(10 - 133 %)	76	%
2-FLUOROBIPHENYL	(32 - 130 %)	86	%
2-FLUOROPHENOL	(10 - 130 %)	72	%
2,4,6-TRIBROMOPHENOL	(33 - 139 %)	81	%

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8270C SEMIVOLATILES
Reported: 01/15/08

ENSR International
Project Reference: CON EDISON PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD11 (19-20)

Date Sampled : 12/05/07 14:25 **Order #:** 1060897 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/10/07 **Submission #:** R2741250 **Percent Solid:** 81.8

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 12/13/07			
DATE ANALYZED : 12/21/07			
ANALYTICAL DILUTION: 1.00			Dry Weight
ACENAPHTHENE	330	35 J	UG/KG
ACENAPHTHYLENE	330	37 J	UG/KG
ACETOPHENONE	330	400 U	UG/KG
ANTHRACENE	330	31 J	UG/KG
ATRAZINE	330	400 UJ	UG/KG
BENZALDEHYDE	330	400 UJ	UG/KG
BENZO(A)ANTHRACENE	330	400 U	UG/KG
BENZO(A)PYRENE	330	400 U	UG/KG
BENZO(B)FLUORANTHENE	330	400 U	UG/KG
BENZO(G,H,I)PERYLENE	330	400 U	UG/KG
BENZO(K)FLUORANTHENE	330	400 U	UG/KG
1,1'-BIPHENYL	330	400 U	UG/KG
BUTYL BENZYL PHTHALATE	330	400 U	UG/KG
DI-N-BUTYLPHTHALATE	330	400 U	UG/KG
CAPROLACTAM	330	400 U	UG/KG
CARBAZOLE	330	400 U	UG/KG
INDENO(1,2,3-CD)PYRENE	330	400 U	UG/KG
4-CHLOROANILINE	330	400 U	UG/KG
BIS(-2-CHLOROETHOXY)METHANE	330	400 U	UG/KG
BIS(2-CHLOROETHYL)ETHER	330	400 U	UG/KG
2-CHLORONAPHTHALENE	330	400 U	UG/KG
2-CHLOROPHENOL	330	400 U	UG/KG
2,2'-OXYBIS(1-CHLOROPROPANE)	330	400 U	UG/KG
CHRYSENE	330	400 U	UG/KG
DIBENZO(A,H)ANTHRACENE	330	400 U	UG/KG
DIBENZOFURAN	330	400 U	UG/KG
3,3'-DICHLOROBENZIDINE	330	400 U	UG/KG
2,4-DICHLOROPHENOL	330	400 U	UG/KG
DIETHYLPHTHALATE	330	400 U	UG/KG
DIMETHYL PHTHALATE	330	400 U	UG/KG
2,4-DIMETHYLPHENOL	330	400 U	UG/KG
2,4-DINITROPHENOL	1700	2100 U	UG/KG
2,4-DINITROTOLUENE	330	400 U	UG/KG
2,6-DINITROTOLUENE	330	400 U	UG/KG
BIS(2-ETHYLHEXYL)PHTHALATE	330	400 U	UG/KG
FLUORANTHENE	330	400 U	UG/KG
FLUORENE	330	43 J	UG/KG
HEXACHLOROBENZENE	330	400 U	UG/KG
HEXACHLOROBUTADIENE	330	400 U	UG/KG
HEXACHLOROCYCLOPENTADIENE	330	400 U	UG/KG
HEXACHLOROETHANE	330	400 U	UG/KG
ISOPHORONE	330	400 U	UG/KG
2-METHYLNAPHTHALENE	330	110 J	UG/KG

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8270C SEMIVOLATILES
Reported: 01/15/08

ENSR International
Project Reference: CON EDISON PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD11 (19-20)

Date Sampled : 12/05/07 14:25 **Order #:** 1060897 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/10/07 **Submission #:** R2741250 **Percent Solid:** 81.8

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 12/13/07			
DATE ANALYZED : 12/21/07			
ANALYTICAL DILUTION: 1.00			Dry Weight
4,6-DINITRO-2-METHYLPHENOL	1700	2100 U	UG/KG
4-CHLORO-3-METHYLPHENOL	330	400 U	UG/KG
2-METHYLPHENOL	330	400 U	UG/KG
4-METHYLPHENOL	330	400 U	UG/KG
NAPHTHALENE	330	220 J	UG/KG
2-NITROANILINE	1700	2100 U	UG/KG
3-NITROANILINE	1700	2100 U	UG/KG
4-NITROANILINE	1700	2100 U	UG/KG
NITROBENZENE	330	400 U	UG/KG
2-NITROPHENOL	330	400 U	UG/KG
4-NITROPHENOL	1700	2100 U	UG/KG
N-NITROSODIPHENYLAMINE	330	400 U	UG/KG
DI-N-OCTYL PHTHALATE	330	400 U	UG/KG
PENTACHLOROPHENOL	1700	2100 U	UG/KG
PHENANTHRENE	330	150 J	UG/KG
PHENOL	330	400 U	UG/KG
4-BROMOPHENYL-PHENYLETHER	330	400 U	UG/KG
4-CHLOROPHENYL-PHENYLETHER	330	400 U	UG/KG
N-NITROSO-DI-N-PROPYLAMINE	330	400 U	UG/KG
PYRENE	330	37 J	UG/KG
2,4,6-TRICHLOROPHENOL	330	400 U	UG/KG
2,4,5-TRICHLOROPHENOL	330	400 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
TERPHENYL-d14	(48 - 131 %)	66	%
NITROBENZENE-d5	(27 - 130 %)	73	%
PHENOL-d6	(10 - 133 %)	67	%
2-FLUOROBIPHENYL	(32 - 130 %)	72	%
2-FLUOROPHENOL	(10 - 130 %)	64	%
2,4,6-TRIBROMOPHENOL	(33 - 139 %)	70	%

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8270C SEMIVOLATILES
Reported: 01/15/08

ENSR International
Project Reference: CON EDISON PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD12 (2-4)

Date Sampled : 12/05/07 16:10 **Order #:** 1060898 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/10/07 **Submission #:** R2741250 **Percent Solid:** 47.4

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 12/13/07			
DATE ANALYZED : 12/21/07			
ANALYTICAL DILUTION: 3.00			Dry Weight
ACENAPHTHENE	330	4000	UG/KG
ACENAPHTHYLENE	330	3000	UG/KG
ACETOPHENONE	330	2100 U	UG/KG
ANTHRACENE	330	3600	UG/KG
ATRAZINE	330	2100 U	UG/KG
BENZALDEHYDE	330	2100 U	UG/KG
BENZO(A)ANTHRACENE	330	8400	UG/KG
BENZO(A)PYRENE	330	8600	UG/KG
BENZO(B)FLUORANTHENE	330	5900	UG/KG
BENZO(G,H,I)PERYLENE	330	4400	UG/KG
BENZO(K)FLUORANTHENE	330	6300	UG/KG
1,1'-BIPHENYL	330	2100 U	UG/KG
BUTYL BENZYL PHTHALATE	330	2100 U	UG/KG
DI-N-BUTYLPHTHALATE	330	2100 U	UG/KG
CAPROLACTAM	330	2100 U	UG/KG
CARBAZOLE	330	360 J	UG/KG
INDENO(1,2,3-CD)PYRENE	330	3800	UG/KG
4-CHLOROANILINE	330	2100 U	UG/KG
BIS(-2-CHLOROETHOXY)METHANE	330	2100 U	UG/KG
BIS(2-CHLOROETHYL)ETHER	330	2100 U	UG/KG
2-CHLORONAPHTHALENE	330	2100 U	UG/KG
2-CHLOROPHENOL	330	2100 U	UG/KG
2,2'-OXYBIS(1-CHLOROPROPANE)	330	2100 U	UG/KG
CHRYSENE	330	10000	UG/KG
DIBENZO(A,H)ANTHRACENE	330	1400 J	UG/KG
DIBENZOFURAN	330	320 J	UG/KG
3,3'-DICHLOROBENZIDINE	330	2100 U	UG/KG
2,4-DICHLOROPHENOL	330	2100 U	UG/KG
DIETHYLPHTHALATE	330	2100 U	UG/KG
DIMETHYL PHTHALATE	330	2100 U	UG/KG
2,4-DIMETHYLPHENOL	330	2100 U	UG/KG
2,4-DINITROPHENOL	1700	11000 U	UG/KG
2,4-DINITROTOLUENE	330	2100 U	UG/KG
2,6-DINITROTOLUENE	330	2100 U	UG/KG
BIS(2-ETHYLHEXYL)PHTHALATE	330	1100 J	UG/KG
FLUORANTHENE	330	17000	UG/KG
FLUORENE	330	2100	UG/KG
HEXACHLOROBENZENE	330	2100 U	UG/KG
HEXACHLOROBUTADIENE	330	2100 U	UG/KG
HEXACHLOROCYCLOPENTADIENE	330	2100 U	UG/KG
HEXACHLOROETHANE	330	2100 U	UG/KG
ISOPHORONE	330	2100 U	UG/KG
2-METHYLNAPHTHALENE	330	950 J	UG/KG

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8270C SEMIVOLATILES
Reported: 01/15/08

ENSR International
Project Reference: CON EDISON PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD12 (2-4)

Date Sampled : 12/05/07 16:10 **Order #:** 1060898 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/10/07 **Submission #:** R2741250 **Percent Solid:** 47.4

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 12/13/07			
DATE ANALYZED : 12/21/07			
ANALYTICAL DILUTION: 3.00			Dry Weight
4,6-DINITRO-2-METHYLPHENOL	1700	11000 U	UG/KG
4-CHLORO-3-METHYLPHENOL	330	2100 U	UG/KG
2-METHYLPHENOL	330	2100 U	UG/KG
4-METHYLPHENOL	330	2100 U	UG/KG
NAPHTHALENE	330	1400 J	UG/KG
2-NITROANILINE	1700	11000 U	UG/KG
3-NITROANILINE	1700	11000 U	UG/KG
4-NITROANILINE	1700	11000 U	UG/KG
NITROBENZENE	330	2100 U	UG/KG
2-NITROPHENOL	330	2100 U	UG/KG
4-NITROPHENOL	1700	11000 U	UG/KG
N-NITROSODIPHENYLAMINE	330	2100 U	UG/KG
DI-N-OCTYL PHTHALATE	330	2100 U	UG/KG
PENTACHLOROPHENOL	1700	11000 U	UG/KG
PHENANTHRENE	330	12000	UG/KG
PHENOL	330	2100 U	UG/KG
4-BROMOPHENYL-PHENYLETHER	330	2100 U	UG/KG
4-CHLOROPHENYL-PHENYLETHER	330	2100 U	UG/KG
N-NITROSO-DI-N-PROPYLAMINE	330	2100 U	UG/KG
PYRENE	330	17000	UG/KG
2,4,6-TRICHLOROPHENOL	330	2100 U	UG/KG
2,4,5-TRICHLOROPHENOL	330	2100 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
TERPHENYL-d14	(48 - 131 %)	68	%
NITROBENZENE-d5	(27 - 130 %)	75	%
PHENOL-d6	(10 - 133 %)	65	%
2-FLUOROBIPHENYL	(32 - 130 %)	78	%
2-FLUOROPHENOL	(10 - 130 %)	60	%
2,4,6-TRIBROMOPHENOL	(33 - 139 %)	79	%

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8270C SEMIVOLATILES
Reported: 01/15/08

ENSR International
Project Reference: CON EDISON PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD12 (4-6)

Date Sampled : 12/05/07 16:20 **Order #:** 1060899 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/10/07 **Submission #:** R2741250 **Percent Solid:** 73.5

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 12/13/07			
DATE ANALYZED : 12/21/07			
ANALYTICAL DILUTION: 1.00			Dry Weight
ACENAPHTHENE	330	450 U	UG/KG
ACENAPHTHYLENE	330	450 U	UG/KG
ACETOPHENONE	330	450 U	UG/KG
ANTHRACENE	330	450 U	UG/KG
ATRAZINE	330	450 UJ	UG/KG
BENZALDEHYDE	330	450 UJ	UG/KG
BENZO(A)ANTHRACENE	330	38 J	UG/KG
BENZO(A)PYRENE	330	450 U	UG/KG
BENZO(B)FLUORANTHENE	330	450 U	UG/KG
BENZO(G,H,I)PERYLENE	330	450 U	UG/KG
BENZO(K)FLUORANTHENE	330	450 U	UG/KG
1,1'-BIPHENYL	330	450 U	UG/KG
BUTYL BENZYL PHTHALATE	330	450 U	UG/KG
DI-N-BUTYLPHTHALATE	330	450 U	UG/KG
CAPROLACTAM	330	450 U	UG/KG
CARBAZOLE	330	450 U	UG/KG
INDENO(1,2,3-CD)PYRENE	330	450 U	UG/KG
4-CHLOROANILINE	330	450 U	UG/KG
BIS(-2-CHLOROETHOXY)METHANE	330	450 U	UG/KG
BIS(2-CHLOROETHYL)ETHER	330	450 U	UG/KG
2-CHLORONAPHTHALENE	330	450 U	UG/KG
2-CHLOROPHENOL	330	450 U	UG/KG
2,2'-OXYBIS(1-CHLOROPROPANE)	330	450 U	UG/KG
CHRYSENE	330	42 J	UG/KG
DIBENZO(A,H)ANTHRACENE	330	450 U	UG/KG
DIBENZOFURAN	330	450 U	UG/KG
3,3'-DICHLOROBENZIDINE	330	450 U	UG/KG
2,4-DICHLOROPHENOL	330	450 U	UG/KG
DIETHYLPHTHALATE	330	450 U	UG/KG
DIMETHYL PHTHALATE	330	450 U	UG/KG
2,4-DIMETHYLPHENOL	330	450 U	UG/KG
2,4-DINITROPHENOL	1700	2300 U	UG/KG
2,4-DINITROTOLUENE	330	450 U	UG/KG
2,6-DINITROTOLUENE	330	450 U	UG/KG
BIS(2-ETHYLHEXYL)PHTHALATE	330	450 U	UG/KG
FLUORANTHENE	330	73 J	UG/KG
FLUORENE	330	450 U	UG/KG
HEXACHLOROBENZENE	330	450 U	UG/KG
HEXACHLOROBUTADIENE	330	450 U	UG/KG
HEXACHLOROCYCLOPENTADIENE	330	450 U	UG/KG
HEXACHLOROETHANE	330	450 U	UG/KG
ISOPHORONE	330	450 U	UG/KG
2-METHYLNAPHTHALENE	330	450 U	UG/KG

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8270C SEMIVOLATILES
Reported: 01/15/08

ENSR International
Project Reference: CON EDISON PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD12 (4-6)

Date Sampled : 12/05/07 16:20 **Order #:** 1060899 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/10/07 **Submission #:** R2741250 **Percent Solid:** 73.5

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 12/13/07			
DATE ANALYZED : 12/21/07			
ANALYTICAL DILUTION: 1.00			Dry Weight
4,6-DINITRO-2-METHYLPHENOL	1700	2300 U	UG/KG
4-CHLORO-3-METHYLPHENOL	330	450 U	UG/KG
2-METHYLPHENOL	330	450 U	UG/KG
4-METHYLPHENOL	330	450 U	UG/KG
NAPHTHALENE	330	450 U	UG/KG
2-NITROANILINE	1700	2300 U	UG/KG
3-NITROANILINE	1700	2300 U	UG/KG
4-NITROANILINE	1700	2300 U	UG/KG
NITROBENZENE	330	450 U	UG/KG
2-NITROPHENOL	330	450 U	UG/KG
4-NITROPHENOL	1700	2300 U	UG/KG
N-NITROSODIPHENYLAMINE	330	450 U	UG/KG
DI-N-OCTYL PHTHALATE	330	450 U	UG/KG
PENTACHLOROPHENOL	1700	2300 U	UG/KG
PHENANTHRENE	330	75 J	UG/KG
PHENOL	330	450 U	UG/KG
4-BROMOPHENYL-PHENYLETHER	330	450 U	UG/KG
4-CHLOROPHENYL-PHENYLETHER	330	450 U	UG/KG
N-NITROSO-DI-N-PROPYLAMINE	330	450 U	UG/KG
PYRENE	330	78 J	UG/KG
2,4,6-TRICHLOROPHENOL	330	450 U	UG/KG
2,4,5-TRICHLOROPHENOL	330	450 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
TERPHENYL-d14	(48 - 131 %)	52	%
NITROBENZENE-d5	(27 - 130 %)	56	%
PHENOL-d6	(10 - 133 %)	50	%
2-FLUOROBIPHENYL	(32 - 130 %)	53	%
2-FLUOROPHENOL	(10 - 130 %)	48	%
2,4,6-TRIBROMOPHENOL	(33 - 139 %)	53	%

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8270C SEMIVOLATILES
Reported: 01/15/08

ENSR International
Project Reference: CON EDISON PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD13 (5-7)

Date Sampled : 12/06/07 10:20 **Order #:** 1060901 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/10/07 **Submission #:** R2741250 **Percent Solid:** 59.2

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 12/13/07			
DATE ANALYZED : 12/21/07			
ANALYTICAL DILUTION: 1.00			Dry Weight
ACENAPHTHENE	330	120 J	UG/KG
ACENAPHTHYLENE	330	560 U	UG/KG
ACETOPHENONE	330	560 U	UG/KG
ANTHRACENE	330	49 J	UG/KG
ATRAZINE	330	560 UJ	UG/KG
BENZALDEHYDE	330	560 UJ	UG/KG
BENZO(A)ANTHRACENE	330	560 U	UG/KG
BENZO(A)PYRENE	330	560 U	UG/KG
BENZO(B)FLUORANTHENE	330	560 U	UG/KG
BENZO(G,H,I)PERYLENE	330	560 U	UG/KG
BENZO(K)FLUORANTHENE	330	560 U	UG/KG
1,1'-BIPHENYL	330	560 U	UG/KG
BUTYL BENZYL PHTHALATE	330	560 U	UG/KG
DI-N-BUTYLPHTHALATE	330	560 U	UG/KG
CAPROLACTAM	330	560 U	UG/KG
CARBAZOLE	330	560 U	UG/KG
INDENO(1,2,3-CD)PYRENE	330	560 U	UG/KG
4-CHLOROANILINE	330	560 U	UG/KG
BIS(-2-CHLOROETHOXY)METHANE	330	560 U	UG/KG
BIS(2-CHLOROETHYL)ETHER	330	560 U	UG/KG
2-CHLORONAPHTHALENE	330	560 U	UG/KG
2-CHLOROPHENOL	330	560 U	UG/KG
2,2'-OXYBIS(1-CHLOROPROPANE)	330	560 U	UG/KG
CHRYSENE	330	560 U	UG/KG
DIBENZO(A,H)ANTHRACENE	330	560 U	UG/KG
DIBENZOFURAN	330	560 U	UG/KG
3,3'-DICHLOROBENZIDINE	330	560 U	UG/KG
2,4-DICHLOROPHENOL	330	560 U	UG/KG
DIETHYLPHTHALATE	330	560 U	UG/KG
DIMETHYL PHTHALATE	330	560 U	UG/KG
2,4-DIMETHYLPHENOL	330	560 U	UG/KG
2,4-DINITROPHENOL	1700	2900 U	UG/KG
2,4-DINITROTOLUENE	330	560 U	UG/KG
2,6-DINITROTOLUENE	330	560 U	UG/KG
BIS(2-ETHYLHEXYL)PHTHALATE	330	560 U	UG/KG
FLUORANTHENE	330	68 J	UG/KG
FLUORENE	330	52 J	UG/KG
HEXACHLOROBENZENE	330	560 U	UG/KG
HEXACHLOROBUTADIENE	330	560 U	UG/KG
HEXACHLOROCYCLOPENTADIENE	330	560 U	UG/KG
HEXACHLOROETHANE	330	560 U	UG/KG
ISOPHORONE	330	560 U	UG/KG
2-METHYLNAPHTHALENE	330	44 J	UG/KG

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8270C SEMIVOLATILES
Reported: 01/15/08

ENSR International
Project Reference: CON EDISON PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD13 (5-7)

Date Sampled : 12/06/07 10:20 **Order #:** 1060901 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/10/07 **Submission #:** R2741250 **Percent Solid:** 59.2

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 12/13/07			
DATE ANALYZED : 12/21/07			
ANALYTICAL DILUTION: 1.00			Dry Weight
4,6-DINITRO-2-METHYLPHENOL	1700	2900 U	UG/KG
4-CHLORO-3-METHYLPHENOL	330	560 U	UG/KG
2-METHYLPHENOL	330	560 U	UG/KG
4-METHYLPHENOL	330	560 U	UG/KG
NAPHTHALENE	330	30 J	UG/KG
2-NITROANILINE	1700	2900 U	UG/KG
3-NITROANILINE	1700	2900 U	UG/KG
4-NITROANILINE	1700	2900 U	UG/KG
NITROBENZENE	330	560 U	UG/KG
2-NITROPHENOL	330	560 U	UG/KG
4-NITROPHENOL	1700	2900 U	UG/KG
N-NITROSODIPHENYLAMINE	330	560 U	UG/KG
DI-N-OCTYL PHTHALATE	330	560 U	UG/KG
PENTACHLOROPHENOL	1700	2900 U	UG/KG
PHENANTHRENE	330	160 J	UG/KG
PHENOL	330	560 U	UG/KG
4-BROMOPHENYL-PHENYLETHER	330	560 U	UG/KG
4-CHLOROPHENYL-PHENYLETHER	330	560 U	UG/KG
N-NITROSO-DI-N-PROPYLAMINE	330	560 U	UG/KG
PYRENE	330	71 J	UG/KG
2,4,6-TRICHLOROPHENOL	330	560 U	UG/KG
2,4,5-TRICHLOROPHENOL	330	560 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
TERPHENYL-d14	(48 - 131 %)	72	%
NITROBENZENE-d5	(27 - 130 %)	68	%
PHENOL-d6	(10 - 133 %)	62	%
2-FLUOROBIPHENYL	(32 - 130 %)	77	%
2-FLUOROPHENOL	(10 - 130 %)	56	%
2,4,6-TRIBROMOPHENOL	(33 - 139 %)	77	%

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8270C SEMIVOLATILES
Reported: 01/15/08

ENSR International
Project Reference: CON EDISON PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD13 (11-13)

Date Sampled : 12/06/07 10:15 **Order #:** 1060903 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/10/07 **Submission #:** R2741250 **Percent Solid:** 88.6

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 12/13/07			
DATE ANALYZED : 12/21/07			
ANALYTICAL DILUTION: 1.00			Dry Weight
ACENAPHTHENE	330	370 U	UG/KG
ACENAPHTHYLENE	330	370 U	UG/KG
ACETOPHENONE	330	370 U	UG/KG
ANTHRACENE	330	370 U	UG/KG
ATRAZINE	330	370 UJ	UG/KG
BENZALDEHYDE	330	370 UJ	UG/KG
BENZO(A)ANTHRACENE	330	370 U	UG/KG
BENZO(A)PYRENE	330	370 U	UG/KG
BENZO(B)FLUORANTHENE	330	370 U	UG/KG
BENZO(G,H,I)PERYLENE	330	370 U	UG/KG
BENZO(K)FLUORANTHENE	330	370 U	UG/KG
1,1'-BIPHENYL	330	370 U	UG/KG
BUTYL BENZYL PHTHALATE	330	370 U	UG/KG
DI-N-BUTYLPHTHALATE	330	370 U	UG/KG
CAPROLACTAM	330	370 U	UG/KG
CARBAZOLE	330	370 U	UG/KG
INDENO(1,2,3-CD)PYRENE	330	370 U	UG/KG
4-CHLOROANILINE	330	370 U	UG/KG
BIS(-2-CHLOROETHOXY)METHANE	330	370 U	UG/KG
BIS(2-CHLOROETHYL)ETHER	330	370 U	UG/KG
2-CHLORONAPHTHALENE	330	370 U	UG/KG
2-CHLOROPHENOL	330	370 U	UG/KG
2,2'-OXYBIS(1-CHLOROPROPANE)	330	370 U	UG/KG
CHRYSENE	330	370 U	UG/KG
DIBENZO(A,H)ANTHRACENE	330	370 U	UG/KG
DIBENZOFURAN	330	370 U	UG/KG
3,3'-DICHLOROBENZIDINE	330	370 U	UG/KG
2,4-DICHLOROPHENOL	330	370 U	UG/KG
DIETHYLPHTHALATE	330	370 U	UG/KG
DIMETHYL PHTHALATE	330	370 U	UG/KG
2,4-DIMETHYLPHENOL	330	370 U	UG/KG
2,4-DINITROPHENOL	1700	1900 U	UG/KG
2,4-DINITROTOLUENE	330	370 U	UG/KG
2,6-DINITROTOLUENE	330	370 U	UG/KG
BIS(2-ETHYLHEXYL)PHTHALATE	330	370 U	UG/KG
FLUORANTHENE	330	370 U	UG/KG
FLUORENE	330	370 U	UG/KG
HEXACHLOROBENZENE	330	370 U	UG/KG
HEXACHLOROBUTADIENE	330	370 U	UG/KG
HEXACHLOROCYCLOPENTADIENE	330	370 U	UG/KG
HEXACHLOROETHANE	330	370 U	UG/KG
ISOPHORONE	330	370 U	UG/KG
2-METHYLNAPHTHALENE	330	370 U	UG/KG

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8270C SEMIVOLATILES
Reported: 01/15/08

ENSR International
Project Reference: CON EDISON PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD13 (11-13)

Date Sampled : 12/06/07 10:15 **Order #:** 1060903 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/10/07 **Submission #:** R2741250 **Percent Solid:** 88.6

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 12/13/07			
DATE ANALYZED : 12/21/07			
ANALYTICAL DILUTION: 1.00			Dry Weight
4,6-DINITRO-2-METHYLPHENOL	1700	1900 U	UG/KG
4-CHLORO-3-METHYLPHENOL	330	370 U	UG/KG
2-METHYLPHENOL	330	370 U	UG/KG
4-METHYLPHENOL	330	370 U	UG/KG
NAPHTHALENE	330	370 U	UG/KG
2-NITROANILINE	1700	1900 U	UG/KG
3-NITROANILINE	1700	1900 U	UG/KG
4-NITROANILINE	1700	1900 U	UG/KG
NITROBENZENE	330	370 U	UG/KG
2-NITROPHENOL	330	370 U	UG/KG
4-NITROPHENOL	1700	1900 U	UG/KG
N-NITROSODIPHENYLAMINE	330	370 U	UG/KG
DI-N-OCTYL PHTHALATE	330	370 U	UG/KG
PENTACHLOROPHENOL	1700	1900 U	UG/KG
PHENANTHRENE	330	370 U	UG/KG
PHENOL	330	370 U	UG/KG
4-BROMOPHENYL-PHENYLETHER	330	370 U	UG/KG
4-CHLOROPHENYL-PHENYLETHER	330	370 U	UG/KG
N-NITROSO-DI-N-PROPYLAMINE	330	370 U	UG/KG
PYRENE	330	370 U	UG/KG
2,4,6-TRICHLOROPHENOL	330	370 U	UG/KG
2,4,5-TRICHLOROPHENOL	330	370 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
TERPHENYL-d14	(48 - 131 %)	71	%
NITROBENZENE-d5	(27 - 130 %)	79	%
PHENOL-d6	(10 - 133 %)	73	%
2-FLUOROBIPHENYL	(32 - 130 %)	78	%
2-FLUOROPHENOL	(10 - 130 %)	68	%
2,4,6-TRIBROMOPHENOL	(33 - 139 %)	74	%

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8270C SEMIVOLATILES
Reported: 01/15/08

ENSR International
Project Reference: CON EDISON PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD13 (15-17)

Date Sampled : 12/06/07 10:10 **Order #:** 1060904 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/10/07 **Submission #:** R2741250 **Percent Solid:** 29.5

DATE EXTRACTED : 12/13/07
DATE ANALYZED : 12/21/07
ANALYTICAL DILUTION: 1.00

ANALYTE	PQL	RESULT	UNITS
			Dry Weight
ACENAPHTHENE	330	88 J	UG/KG
ACENAPHTHYLENE	330	1100 UJ	UG/KG
ACETOPHENONE	330	1100 U	UG/KG
ANTHRACENE	330	1100 UJ	UG/KG
ATRAZINE	330	1100 UJ	UG/KG
BENZALDEHYDE	330	1100 UJ	UG/KG
BENZO(A)ANTHRACENE	330	1100 UJ	UG/KG
BENZO(A)PYRENE	330	1100 U	UG/KG
BENZO(B)FLUORANTHENE	330	1100 U	UG/KG
BENZO(G,H,I)PERYLENE	330	1100 U	UG/KG
BENZO(K)FLUORANTHENE	330	1100 U	UG/KG
1,1'-BIPHENYL	330	1100 U	UG/KG
BUTYL BENZYL PHTHALATE	330	1100 U	UG/KG
DI-N-BUTYLPHTHALATE	330	1100 U	UG/KG
CAPROLACTAM	330	1100 U	UG/KG
CARBAZOLE	330	1100 U	UG/KG
INDENO(1,2,3-CD)PYRENE	330	1100 U	UG/KG
4-CHLOROANILINE	330	1100 U	UG/KG
BIS(-2-CHLOROETHOXY)METHANE	330	1100 U	UG/KG
BIS(2-CHLOROETHYL)ETHER	330	1100 U	UG/KG
2-CHLORONAPHTHALENE	330	1100 U	UG/KG
2-CHLOROPHENOL	330	1100 U	UG/KG
2,2'-OXYBIS(1-CHLOROPROPANE)	330	1100 U	UG/KG
CHRYSENE	330	1100 U	UG/KG
DIBENZO(A,H)ANTHRACENE	330	1100 U	UG/KG
DIBENZOFURAN	330	1100 U	UG/KG
3,3'-DICHLOROBENZIDINE	330	1100 U	UG/KG
2,4-DICHLOROPHENOL	330	1100 U	UG/KG
DIETHYLPHTHALATE	330	1100 U	UG/KG
DIMETHYL PHTHALATE	330	1100 U	UG/KG
2,4-DIMETHYLPHENOL	330	1100 U	UG/KG
2,4-DINITROPHENOL	1700	5800 U	UG/KG
2,4-DINITROTOLUENE	330	1100 U	UG/KG
2,6-DINITROTOLUENE	330	1100 UJ	UG/KG
BIS(2-ETHYLHEXYL)PHTHALATE	330	180 J	UG/KG
FLUORANTHENE	330	1100 UJ	UG/KG
FLUORENE	330	1100 U	UG/KG
HEXACHLOROBENZENE	330	1100 U	UG/KG
HEXACHLOROBUTADIENE	330	1100 U	UG/KG
HEXACHLOROCYCLOPENTADIENE	330	1100 U	UG/KG
HEXACHLOROETHANE	330	1100 U	UG/KG
ISOPHORONE	330	1100 UJ	UG/KG
2-METHYLNAPHTHALENE	330	120 J	UG/KG

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8270C SEMIVOLATILES
Reported: 01/15/08

ENSR International
Project Reference: CON EDISON PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD13 (15-17)

Date Sampled : 12/06/07 10:10 **Order #:** 1060904 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/10/07 **Submission #:** R2741250 **Percent Solid:** 29.5

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 12/13/07			
DATE ANALYZED : 12/21/07			
ANALYTICAL DILUTION: 1.00			Dry Weight
4,6-DINITRO-2-METHYLPHENOL	1700	5800 UJ	UG/KG
4-CHLORO-3-METHYLPHENOL	330	1100 U	UG/KG
2-METHYLPHENOL	330	1100 U	UG/KG
4-METHYLPHENOL	330	1100 UJ	UG/KG
NAPHTHALENE	330	250 J	UG/KG
2-NITROANILINE	1700	5800 UJ	UG/KG
3-NITROANILINE	1700	5800 U	UG/KG
4-NITROANILINE	1700	5800 U	UG/KG
NITROBENZENE	330	1100 U	UG/KG
2-NITROPHENOL	330	1100 U	UG/KG
4-NITROPHENOL	1700	5800 U	UG/KG
N-NITROSODIPHENYLAMINE	330	1100 U	UG/KG
DI-N-OCTYL PHTHALATE	330	1100 U	UG/KG
PENTACHLOROPHENOL	1700	5800 UJ	UG/KG
PHENANTHRENE	330	95 J	UG/KG
PHENOL	330	1100 UJ	UG/KG
4-BROMOPHENYL-PHENYLETHER	330	1100 U	UG/KG
4-CHLOROPHENYL-PHENYLETHER	330	1100 U	UG/KG
N-NITROSO-DI-N-PROPYLAMINE	330	1100 U	UG/KG
PYRENE	330	1100 U	UG/KG
2,4,6-TRICHLOROPHENOL	330	1100 U	UG/KG
2,4,5-TRICHLOROPHENOL	330	1100 UJ	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
TERPHENYL-d14	(48 - 131 %)	73	%
NITROBENZENE-d5	(27 - 130 %)	85	%
PHENOL-d6	(10 - 133 %)	75	%
2-FLUOROBIPHENYL	(32 - 130 %)	82	%
2-FLUOROPHENOL	(10 - 130 %)	68	%
2,4,6-TRIBROMOPHENOL	(33 - 139 %)	88	%

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8270C SEMIVOLATILES
Reported: 01/15/08

ENSR International
Project Reference: CON EDISON PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD14 (0-4)

Date Sampled : 12/06/07 11:20 **Order #:** 1060906 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/10/07 **Submission #:** R2741250 **Percent Solid:** 74.5

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 12/13/07			
DATE ANALYZED : 12/26/07			
ANALYTICAL DILUTION: 75.00			Dry Weight
ACENAPHTHENE	330	230000	UG/KG
ACENAPHTHYLENE	330	17000 J	UG/KG
ACETOPHENONE	330	33000 U	UG/KG
ANTHRACENE	330	100000	UG/KG
ATRAZINE	330	33000 UJ	UG/KG
BENZALDEHYDE	330	33000 UJ	UG/KG
BENZO(A)ANTHRACENE	330	55000	UG/KG
BENZO(A)PYRENE	330	38000	UG/KG
BENZO(B)FLUORANTHENE	330	16000 J	UG/KG
BENZO(G,H,I)PERYLENE	330	15000 J	UG/KG
BENZO(K)FLUORANTHENE	330	21000 J	UG/KG
1,1'-BIPHENYL	330	38000	UG/KG
BUTYL BENZYL PHTHALATE	330	33000 U	UG/KG
DI-N-BUTYLPHTHALATE	330	33000 U	UG/KG
CAPROLACTAM	330	33000 U	UG/KG
CARBAZOLE	330	2800 J	UG/KG
INDENO(1,2,3-CD)PYRENE	330	11000 J	UG/KG
4-CHLOROANILINE	330	33000 U	UG/KG
BIS(-2-CHLOROETHOXY)METHANE	330	33000 U	UG/KG
BIS(2-CHLOROETHYL)ETHER	330	33000 U	UG/KG
2-CHLORONAPHTHALENE	330	33000 U	UG/KG
2-CHLOROPHENOL	330	33000 U	UG/KG
2,2'-OXYBIS(1-CHLOROPROPANE)	330	33000 U	UG/KG
CHRYSENE	330	51000	UG/KG
DIBENZO(A,H)ANTHRACENE	330	4300 J	UG/KG
DIBENZOFURAN	330	9800 J	UG/KG
3,3'-DICHLOROBENZIDINE	330	33000 U	UG/KG
2,4-DICHLOROPHENOL	330	33000 U	UG/KG
DIETHYLPHTHALATE	330	33000 U	UG/KG
DIMETHYL PHTHALATE	330	33000 U	UG/KG
2,4-DIMETHYLPHENOL	330	33000 U	UG/KG
2,4-DINITROPHENOL	1700	170000 U	UG/KG
2,4-DINITROTOLUENE	330	33000 U	UG/KG
2,6-DINITROTOLUENE	330	33000 U	UG/KG
BIS(2-ETHYLHEXYL)PHTHALATE	330	33000 U	UG/KG
FLUORANTHENE	330	110000	UG/KG
FLUORENE	330	100000	UG/KG
HEXACHLOROBENZENE	330	33000 U	UG/KG
HEXACHLOROBUTADIENE	330	33000 U	UG/KG
HEXACHLOROCYCLOPENTADIENE	330	33000 UJ	UG/KG
HEXACHLOROETHANE	330	33000 U	UG/KG
ISOPHORONE	330	33000 U	UG/KG
2-METHYLNAPHTHALENE	330	340000	UG/KG

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8270C SEMIVOLATILES
Reported: 01/15/08

ENSR International
Project Reference: CON EDISON PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD14 (0-4)

Date Sampled : 12/06/07 11:20 **Order #:** 1060906 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/10/07 **Submission #:** R2741250 **Percent Solid:** 74.5

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 12/13/07			
DATE ANALYZED : 12/26/07			
ANALYTICAL DILUTION: 75.00			Dry Weight
4,6-DINITRO-2-METHYLPHENOL	1700	170000 U	UG/KG
4-CHLORO-3-METHYLPHENOL	330	33000 U	UG/KG
2-METHYLPHENOL	330	33000 U	UG/KG
4-METHYLPHENOL	330	33000 U	UG/KG
NAPHTHALENE	330	390000	UG/KG
2-NITROANILINE	1700	170000 U	UG/KG
3-NITROANILINE	1700	170000 U	UG/KG
4-NITROANILINE	1700	170000 U	UG/KG
NITROBENZENE	330	33000 U	UG/KG
2-NITROPHENOL	330	33000 U	UG/KG
4-NITROPHENOL	1700	170000 U	UG/KG
N-NITROSODIPHENYLAMINE	330	33000 U	UG/KG
DI-N-OCTYL PHTHALATE	330	33000 U	UG/KG
PENTACHLOROPHENOL	1700	170000 U	UG/KG
PHENANTHRENE	330	350000	UG/KG
PHENOL	330	33000 U	UG/KG
4-BROMOPHENYL-PHENYLETHER	330	33000 U	UG/KG
4-CHLOROPHENYL-PHENYLETHER	330	33000 U	UG/KG
N-NITROSO-DI-N-PROPYLAMINE	330	33000 U	UG/KG
PYRENE	330	150000	UG/KG
2,4,6-TRICHLOROPHENOL	330	33000 U	UG/KG
2,4,5-TRICHLOROPHENOL	330	33000 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
TERPHENYL-d14	(48 - 131 %)	D	%
NITROBENZENE-d5	(27 - 130 %)	D	%
PHENOL-d6	(10 - 133 %)	D	%
2-FLUOROBIPHENYL	(32 - 130 %)	D	%
2-FLUOROPHENOL	(10 - 130 %)	D	%
2,4,6-TRIBROMOPHENOL	(33 - 139 %)	D	%

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8270C SEMIVOLATILES
Reported: 01/15/08

ENSR International
Project Reference: CON EDISON PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD14 (6-8)

Date Sampled : 12/06/07 11:25 **Order #:** 1060907 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/10/07 **Submission #:** R2741250 **Percent Solid:** 59.6

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 12/13/07			
DATE ANALYZED : 12/26/07			
ANALYTICAL DILUTION: 1.00			Dry Weight
ACENAPHTHENE	330	42 J	UG/KG
ACENAPHTHYLENE	330	550 U	UG/KG
ACETOPHENONE	330	550 U	UG/KG
ANTHRACENE	330	550 U	UG/KG
ATRAZINE	330	550 UJ	UG/KG
BENZALDEHYDE	330	550 UJ	UG/KG
BENZO(A)ANTHRACENE	330	550 U	UG/KG
BENZO(A)PYRENE	330	550 U	UG/KG
BENZO(B)FLUORANTHENE	330	550 U	UG/KG
BENZO(G,H,I)PERYLENE	330	550 U	UG/KG
BENZO(K)FLUORANTHENE	330	550 U	UG/KG
1,1'-BIPHENYL	330	550 U	UG/KG
BUTYL BENZYL PHTHALATE	330	550 U	UG/KG
DI-N-BUTYLPHTHALATE	330	550 U	UG/KG
CAPROLACTAM	330	550 U	UG/KG
CARBAZOLE	330	550 U	UG/KG
INDENO(1,2,3-CD)PYRENE	330	550 U	UG/KG
4-CHLOROANILINE	330	550 U	UG/KG
BIS(-2-CHLOROETHOXY)METHANE	330	550 U	UG/KG
BIS(2-CHLOROETHYL)ETHER	330	550 U	UG/KG
2-CHLORONAPHTHALENE	330	550 U	UG/KG
2-CHLOROPHENOL	330	550 U	UG/KG
2,2'-OXYBIS(1-CHLOROPROPANE)	330	550 U	UG/KG
CHRYSENE	330	550 U	UG/KG
DIBENZO(A,H)ANTHRACENE	330	550 U	UG/KG
DIBENZOFURAN	330	550 U	UG/KG
3,3'-DICHLOROBENZIDINE	330	550 U	UG/KG
2,4-DICHLOROPHENOL	330	550 U	UG/KG
DIETHYLPHTHALATE	330	550 U	UG/KG
DIMETHYL PHTHALATE	330	550 U	UG/KG
2,4-DIMETHYLPHENOL	330	550 U	UG/KG
2,4-DINITROPHENOL	1700	2900 U	UG/KG
2,4-DINITROTOLUENE	330	550 U	UG/KG
2,6-DINITROTOLUENE	330	550 U	UG/KG
BIS(2-ETHYLHEXYL)PHTHALATE	330	550 U	UG/KG
FLUORANTHENE	330	550 U	UG/KG
FLUORENE	330	550 U	UG/KG
HEXACHLOROBENZENE	330	550 U	UG/KG
HEXACHLOROBUTADIENE	330	550 U	UG/KG
HEXACHLOROCYCLOPENTADIENE	330	550 UJ	UG/KG
HEXACHLOROETHANE	330	550 U	UG/KG
ISOPHORONE	330	550 U	UG/KG
2-METHYLNAPHTHALENE	330	74 J	UG/KG

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8270C SEMIVOLATILES
Reported: 01/15/08

ENSR International
Project Reference: CON EDISON PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD14 (6-8)

Date Sampled : 12/06/07 11:25 **Order #:** 1060907 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/10/07 **Submission #:** R2741250 **Percent Solid:** 59.6

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 12/13/07			
DATE ANALYZED : 12/26/07			
ANALYTICAL DILUTION: 1.00			Dry Weight
4,6-DINITRO-2-METHYLPHENOL	1700	2900 U	UG/KG
4-CHLORO-3-METHYLPHENOL	330	550 U	UG/KG
2-METHYLPHENOL	330	550 U	UG/KG
4-METHYLPHENOL	330	550 U	UG/KG
NAPHTHALENE	330	130 J	UG/KG
2-NITROANILINE	1700	2900 U	UG/KG
3-NITROANILINE	1700	2900 U	UG/KG
4-NITROANILINE	1700	2900 U	UG/KG
NITROBENZENE	330	550 U	UG/KG
2-NITROPHENOL	330	550 U	UG/KG
4-NITROPHENOL	1700	2900 U	UG/KG
N-NITROSODIPHENYLAMINE	330	550 U	UG/KG
DI-N-OCTYL PHTHALATE	330	550 U	UG/KG
PENTACHLOROPHENOL	1700	2900 U	UG/KG
PHENANTHRENE	330	67 J	UG/KG
PHENOL	330	550 U	UG/KG
4-BROMOPHENYL-PHENYLETHER	330	550 U	UG/KG
4-CHLOROPHENYL-PHENYLETHER	330	550 U	UG/KG
N-NITROSO-DI-N-PROPYLAMINE	330	550 U	UG/KG
PYRENE	330	30 J	UG/KG
2,4,6-TRICHLOROPHENOL	330	550 U	UG/KG
2,4,5-TRICHLOROPHENOL	330	550 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
TERPHENYL-d14	(48 - 131 %)	83	%
NITROBENZENE-d5	(27 - 130 %)	77	%
PHENOL-d6	(10 - 133 %)	72	%
2-FLUOROBIPHENYL	(32 - 130 %)	84	%
2-FLUOROPHENOL	(10 - 130 %)	62	%
2,4,6-TRIBROMOPHENOL	(33 - 139 %)	78	%

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8270C SEMIVOLATILES
Reported: 01/15/08

ENSR International
Project Reference: CON EDISON PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD15 (0-2)

Date Sampled : 12/06/07 12:15 **Order #:** 1060908 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/10/07 **Submission #:** R2741250 **Percent Solid:** 59.6

DATE EXTRACTED : 12/13/07
DATE ANALYZED : 12/27/07
ANALYTICAL DILUTION: 3.00

ANALYTE	PQL	RESULT		UNITS
				Dry Weight
ACENAPHTHENE	330	6000	J	UG/KG
ACENAPHTHYLENE	330	1800		UG/KG
ACETOPHENONE	330	1700	U	UG/KG
ANTHRACENE	330	4400		UG/KG
ATRAZINE	330	1700	U	UG/KG
BENZALDEHYDE	330	1700	U	UG/KG
BENZO(A)ANTHRACENE	330	5200		UG/KG
BENZO(A)PYRENE	330	4400		UG/KG
BENZO(B)FLUORANTHENE	330	2300		UG/KG
BENZO(G,H,I)PERYLENE	330	2300		UG/KG
BENZO(K)FLUORANTHENE	330	2300		UG/KG
1,1'-BIPHENYL	330	320	J	UG/KG
BUTYL BENZYL PHTHALATE	330	1700	U	UG/KG
DI-N-BUTYLPHTHALATE	330	1700	U	UG/KG
CAPROLACTAM	330	1700	U	UG/KG
CARBAZOLE	330	1700	U	UG/KG
INDENO(1,2,3-CD)PYRENE	330	1800		UG/KG
4-CHLOROANILINE	330	1700	U	UG/KG
BIS(-2-CHLOROETHOXY)METHANE	330	1700	U	UG/KG
BIS(2-CHLOROETHYL)ETHER	330	1700	U	UG/KG
2-CHLORONAPHTHALENE	330	1700	U	UG/KG
2-CHLOROPHENOL	330	1700	U	UG/KG
2,2'-OXYBIS(1-CHLOROPROPANE)	330	1700	U	UG/KG
CHRYSENE	330	5200		UG/KG
DIBENZO(A,H)ANTHRACENE	330	650	J	UG/KG
DIBENZOFURAN	330	290	J	UG/KG
3,3'-DICHLOROBENZIDINE	330	1700	U	UG/KG
2,4-DICHLOROPHENOL	330	1700	U	UG/KG
DIETHYLPHTHALATE	330	1700	U	UG/KG
DIMETHYL PHTHALATE	330	1700	U	UG/KG
2,4-DIMETHYLPHENOL	330	1700	U	UG/KG
2,4-DINITROPHENOL	1700	8600	U	UG/KG
2,4-DINITROTOLUENE	330	1700	U	UG/KG
2,6-DINITROTOLUENE	330	1700	U	UG/KG
BIS(2-ETHYLHEXYL)PHTHALATE	330	1700	U	UG/KG
FLUORANTHENE	330	8700		UG/KG
FLUORENE	330	2900		UG/KG
HEXACHLOROBENZENE	330	1700	U	UG/KG
HEXACHLOROBUTADIENE	330	1700	U	UG/KG
HEXACHLOROCYCLOPENTADIENE	330	1700	U	UG/KG
HEXACHLOROETHANE	330	1700	U	UG/KG
ISOPHORONE	330	1700	U	UG/KG
2-METHYLNAPHTHALENE	330	1700		UG/KG

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8270C SEMIVOLATILES
Reported: 01/15/08

ENSR International
Project Reference: CON EDISON PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD15 (0-2)

Date Sampled : 12/06/07 12:15 **Order #:** 1060908 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/10/07 **Submission #:** R2741250 **Percent Solid:** 59.6

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 12/13/07			
DATE ANALYZED : 12/27/07			
ANALYTICAL DILUTION: 3.00			Dry Weight
4,6-DINITRO-2-METHYLPHENOL	1700	8600 U J	UG/KG
4-CHLORO-3-METHYLPHENOL	330	1700 U	UG/KG
2-METHYLPHENOL	330	1700 U	UG/KG
4-METHYLPHENOL	330	1700 U	UG/KG
NAPHTHALENE	330	3000	UG/KG
2-NITROANILINE	1700	8600 U	UG/KG
3-NITROANILINE	1700	8600 U	UG/KG
4-NITROANILINE	1700	8600 U	UG/KG
NITROBENZENE	330	1700 U	UG/KG
2-NITROPHENOL	330	1700 U	UG/KG
4-NITROPHENOL	1700	8600 U	UG/KG
N-NITROSODIPHENYLAMINE	330	1700 U	UG/KG
DI-N-OCTYL PHTHALATE	330	1700 U	UG/KG
PENTACHLOROPHENOL	1700	8600 U	UG/KG
PHENANTHRENE	330	13000	UG/KG
PHENOL	330	1700 U	UG/KG
4-BROMOPHENYL-PHENYLETHER	330	1700 U	UG/KG
4-CHLOROPHENYL-PHENYLETHER	330	1700 U	UG/KG
N-NITROSO-DI-N-PROPYLAMINE	330	1700 U	UG/KG
PYRENE	330	11000	UG/KG
2,4,6-TRICHLOROPHENOL	330	1700 U	UG/KG
2,4,5-TRICHLOROPHENOL	330	1700 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
TERPHENYL-d14	(48 - 131 %)	73	%
NITROBENZENE-d5	(27 - 130 %)	77	%
PHENOL-d6	(10 - 133 %)	69	%
2-FLUOROBIPHENYL	(32 - 130 %)	82	%
2-FLUOROPHENOL	(10 - 130 %)	58	%
2,4,6-TRIBROMOPHENOL	(33 - 139 %)	74	%

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8270C SEMIVOLATILES
Reported: 01/15/08

ENSR International
Project Reference: CON EDISON PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD15 (4-5)

Date Sampled : 12/06/07 12:25 **Order #:** 1060909 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/10/07 **Submission #:** R2741250 **Percent Solid:** 79.7

DATE EXTRACTED : 12/13/07
DATE ANALYZED : 12/26/07
ANALYTICAL DILUTION: 1.00

ANALYTE	PQL	RESULT	UNITS
			Dry Weight
ACENAPHTHENE	330	29 J	UG/KG
ACENAPHTHYLENE	330	410 U	UG/KG
ACETOPHENONE	330	410 U	UG/KG
ANTHRACENE	330	410 U	UG/KG
ATRAZINE	330	410 UJ	UG/KG
BENZALDEHYDE	330	410 UJ	UG/KG
BENZO(A)ANTHRACENE	330	36 J	UG/KG
BENZO(A)PYRENE	330	410 U	UG/KG
BENZO(B)FLUORANTHENE	330	410 U	UG/KG
BENZO(G,H,I)PERYLENE	330	410 U	UG/KG
BENZO(K)FLUORANTHENE	330	410 U	UG/KG
1,1'-BIPHENYL	330	410 U	UG/KG
BUTYL BENZYL PHTHALATE	330	410 U	UG/KG
DI-N-BUTYLPHTHALATE	330	410 U	UG/KG
CAPROLACTAM	330	410 U	UG/KG
CARBAZOLE	330	410 U	UG/KG
INDENO(1,2,3-CD)PYRENE	330	410 U	UG/KG
4-CHLOROANILINE	330	410 U	UG/KG
BIS(-2-CHLOROETHOXY)METHANE	330	410 U	UG/KG
BIS(2-CHLOROETHYL)ETHER	330	410 U	UG/KG
2-CHLORONAPHTHALENE	330	410 U	UG/KG
2-CHLOROPHENOL	330	410 U	UG/KG
2,2'-OXYBIS(1-CHLOROPROPANE)	330	410 U	UG/KG
CHRYSENE	330	38 J	UG/KG
DIBENZO(A,H)ANTHRACENE	330	410 U	UG/KG
DIBENZOFURAN	330	410 U	UG/KG
3,3'-DICHLOROBENZIDINE	330	410 U	UG/KG
2,4-DICHLOROPHENOL	330	410 U	UG/KG
DIETHYLPHTHALATE	330	410 U	UG/KG
DIMETHYL PHTHALATE	330	410 U	UG/KG
2,4-DIMETHYLPHENOL	330	410 U	UG/KG
2,4-DINITROPHENOL	1700	2100 U	UG/KG
2,4-DINITROTOLUENE	330	410 U	UG/KG
2,6-DINITROTOLUENE	330	410 U	UG/KG
BIS(2-ETHYLHEXYL)PHTHALATE	330	410 U	UG/KG
FLUORANTHENE	330	72 J	UG/KG
FLUORENE	330	410 U	UG/KG
HEXACHLOROBENZENE	330	410 U	UG/KG
HEXACHLOROBUTADIENE	330	410 U	UG/KG
HEXACHLOROCYCLOPENTADIENE	330	410 UJ	UG/KG
HEXACHLOROETHANE	330	410 U	UG/KG
ISOPHORONE	330	410 U	UG/KG
2-METHYLNAPHTHALENE	330	410 U	UG/KG

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8270C SEMIVOLATILES
Reported: 01/15/08

ENSR International
Project Reference: CON EDISON PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD15 (4-5)

Date Sampled : 12/06/07 12:25 **Order #:** 1060909 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/10/07 **Submission #:** R2741250 **Percent Solid:** 79.7

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 12/13/07			
DATE ANALYZED : 12/26/07			
ANALYTICAL DILUTION: 1.00			Dry Weight
4,6-DINITRO-2-METHYLPHENOL	1700	2100 U	UG/KG
4-CHLORO-3-METHYLPHENOL	330	410 U	UG/KG
2-METHYLPHENOL	330	410 U	UG/KG
4-METHYLPHENOL	330	410 U	UG/KG
NAPHTHALENE	330	30 J	UG/KG
2-NITROANILINE	1700	2100 U	UG/KG
3-NITROANILINE	1700	2100 U	UG/KG
4-NITROANILINE	1700	2100 U	UG/KG
NITROBENZENE	330	410 U	UG/KG
2-NITROPHENOL	330	410 U	UG/KG
4-NITROPHENOL	1700	2100 U	UG/KG
N-NITROSODIPHENYLAMINE	330	410 U	UG/KG
DI-N-OCTYL PHTHALATE	330	410 U	UG/KG
PENTACHLOROPHENOL	1700	2100 U	UG/KG
PHENANTHRENE	330	41 J	UG/KG
PHENOL	330	410 U	UG/KG
4-BROMOPHENYL-PHENYLETHER	330	410 U	UG/KG
4-CHLOROPHENYL-PHENYLETHER	330	410 U	UG/KG
N-NITROSO-DI-N-PROPYLAMINE	330	410 U	UG/KG
PYRENE	330	89 J	UG/KG
2,4,6-TRICHLOROPHENOL	330	410 U	UG/KG
2,4,5-TRICHLOROPHENOL	330	410 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
TERPHENYL-d14	(48 - 131 %)	79	%
NITROBENZENE-d5	(27 - 130 %)	75	%
PHENOL-d6	(10 - 133 %)	69	%
2-FLUOROBIPHENYL	(32 - 130 %)	77	%
2-FLUOROPHENOL	(10 - 130 %)	63	%
2,4,6-TRIBROMOPHENOL	(33 - 139 %)	72	%

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8270C SEMIVOLATILES
Reported: 01/15/08

ENSR International
Project Reference: CON EDISON PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD15 (6-7)

Date Sampled : 12/06/07 12:25 **Order #:** 1060910 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/10/07 **Submission #:** R2741250 **Percent Solid:** 75.8

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 12/13/07			
DATE ANALYZED : 12/26/07			
ANALYTICAL DILUTION: 1.00			Dry Weight
ACENAPHTHENE	330	440 U	UG/KG
ACENAPHTHYLENE	330	440 U	UG/KG
ACETOPHENONE	330	440 U	UG/KG
ANTHRACENE	330	440 U	UG/KG
ATRAZINE	330	440 UJ	UG/KG
BENZALDEHYDE	330	440 UJ	UG/KG
BENZO(A)ANTHRACENE	330	440 U	UG/KG
BENZO(A)PYRENE	330	440 U	UG/KG
BENZO(B)FLUORANTHENE	330	440 U	UG/KG
BENZO(G,H,I)PERYLENE	330	440 U	UG/KG
BENZO(K)FLUORANTHENE	330	440 U	UG/KG
1,1'-BIPHENYL	330	440 U	UG/KG
BUTYL BENZYL PHTHALATE	330	440 U	UG/KG
DI-N-BUTYLPHTHALATE	330	440 U	UG/KG
CAPROLACTAM	330	440 U	UG/KG
CARBAZOLE	330	440 U	UG/KG
INDENO(1,2,3-CD)PYRENE	330	440 U	UG/KG
4-CHLOROANILINE	330	440 U	UG/KG
BIS(-2-CHLOROETHOXY)METHANE	330	440 U	UG/KG
BIS(2-CHLOROETHYL)ETHER	330	440 U	UG/KG
2-CHLORONAPHTHALENE	330	440 U	UG/KG
2-CHLOROPHENOL	330	440 U	UG/KG
2,2'-OXYBIS(1-CHLOROPROPANE)	330	440 U	UG/KG
CHRYSENE	330	440 U	UG/KG
DIBENZO(A,H)ANTHRACENE	330	440 U	UG/KG
DIBENZOFURAN	330	440 U	UG/KG
3,3'-DICHLOROBENZIDINE	330	440 U	UG/KG
2,4-DICHLOROPHENOL	330	440 U	UG/KG
DIETHYLPHTHALATE	330	440 U	UG/KG
DIMETHYL PHTHALATE	330	440 U	UG/KG
2,4-DIMETHYLPHENOL	330	440 U	UG/KG
2,4-DINITROPHENOL	1700	2200 U	UG/KG
2,4-DINITROTOLUENE	330	440 U	UG/KG
2,6-DINITROTOLUENE	330	440 U	UG/KG
BIS(2-ETHYLHEXYL)PHTHALATE	330	440 U	UG/KG
FLUORANTHENE	330	26 J	UG/KG
FLUORENE	330	440 U	UG/KG
HEXACHLOROBENZENE	330	440 U	UG/KG
HEXACHLOROBUTADIENE	330	440 U	UG/KG
HEXACHLOROCYCLOPENTADIENE	330	440 UJ	UG/KG
HEXACHLOROETHANE	330	440 U	UG/KG
ISOPHORONE	330	440 U	UG/KG
2-METHYLNAPHTHALENE	330	440 U	UG/KG

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8270C SEMIVOLATILES
Reported: 01/15/08

ENSR International
Project Reference: CON EDISON PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD15 (6-7)

Date Sampled : 12/06/07 12:25 **Order #:** 1060910 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/10/07 **Submission #:** R2741250 **Percent Solid:** 75.8

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 12/13/07			
DATE ANALYZED : 12/26/07			
ANALYTICAL DILUTION: 1.00			Dry Weight
4,6-DINITRO-2-METHYLPHENOL	1700	2200 U	UG/KG
4-CHLORO-3-METHYLPHENOL	330	440 U	UG/KG
2-METHYLPHENOL	330	440 U	UG/KG
4-METHYLPHENOL	330	440 U	UG/KG
NAPHTHALENE	330	440 U	UG/KG
2-NITROANILINE	1700	2200 U	UG/KG
3-NITROANILINE	1700	2200 U	UG/KG
4-NITROANILINE	1700	2200 U	UG/KG
NITROBENZENE	330	440 U	UG/KG
2-NITROPHENOL	330	440 U	UG/KG
4-NITROPHENOL	1700	2200 U	UG/KG
N-NITROSODIPHENYLAMINE	330	440 U	UG/KG
DI-N-OCTYL PHTHALATE	330	440 U	UG/KG
PENTACHLOROPHENOL	1700	2200 U	UG/KG
PHENANTHRENE	330	440 U	UG/KG
PHENOL	330	440 U	UG/KG
4-BROMOPHENYL-PHENYLETHER	330	440 U	UG/KG
4-CHLOROPHENYL-PHENYLETHER	330	440 U	UG/KG
N-NITROSO-DI-N-PROPYLAMINE	330	440 U	UG/KG
PYRENE	330	40 J	UG/KG
2,4,6-TRICHLOROPHENOL	330	440 U	UG/KG
2,4,5-TRICHLOROPHENOL	330	440 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
TERPHENYL-d14	(48 - 131 %)	72	%
NITROBENZENE-d5	(27 - 130 %)	65	%
PHENOL-d6	(10 - 133 %)	59	%
2-FLUOROBIPHENYL	(32 - 130 %)	67	%
2-FLUOROPHENOL	(10 - 130 %)	54	%
2,4,6-TRIBROMOPHENOL	(33 - 139 %)	63	%

COLUMBIA ANALYTICAL SERVICES

Reported: 01/15/08

ENSR International
Project Reference: CON EDISON PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD7 (19-21)

Date Sampled : 12/03/07 13:30 **Order #:** 1060877 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/10/07 **Submission #:** R2741250

ANALYTE	METHOD	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
PERCENT SOLIDS	160.3M	1.00	56.9	%	12/11/07	15:00	1.0
TOTAL ORGANIC CARBON	TOC.LK	300	24800 J	MG/KG	12/11/07	10:00	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 01/15/08

ENSR International
Project Reference: CON EDISON PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD9 (2-4)

Date Sampled : 12/05/07 10:10 **Order #:** 1060882 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/10/07 **Submission #:** R2741250

ANALYTE	METHOD	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
PERCENT SOLIDS	160.3M	1.00	85.3	%	12/11/07	15:00	1.0
TOTAL ORGANIC CARBON	TOC.LK	300	45500 J	MG/KG	12/11/07	10:00	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 01/15/08

ENSR International
Project Reference: CON EDISON PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD10 (2-3)

Date Sampled : 12/05/07 12:30 **Order #:** 1060892 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/10/07 **Submission #:** R2741250

ANALYTE	METHOD	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
PERCENT SOLIDS	160.3M	1.00	78.3	%	12/11/07	15:00	1.0
TOTAL ORGANIC CARBON	TOC.LK	300	77800 J	MG/KG	12/11/07	10:00	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 01/15/08

ENSR International
Project Reference: CON EDISON PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD11 (6-8)

Date Sampled : 12/05/07 14:15 **Order #:** 1060894 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/10/07 **Submission #:** R2741250

ANALYTE	METHOD	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
PERCENT SOLIDS	160.3M	1.00	53.2	%	12/11/07	15:00	1.0
TOTAL ORGANIC CARBON	TOC.LK	300	85800	MG/KG	12/11/07	10:00	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 01/15/08

ENSR International
Project Reference: CON EDISON PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD12 (2-4)

Date Sampled : 12/05/07 16:10 **Order #:** 1060898 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/10/07 **Submission #:** R2741250

ANALYTE	METHOD	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
PERCENT SOLIDS	160.3M	1.00	47.4	%	12/11/07	15:00	1.0
TOTAL ORGANIC CARBON	TOC.LK	300	112000 J	MG/KG	12/11/07	10:00	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 01/15/08

ENSR International
Project Reference: CON EDISON PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD13 (5-7)

Date Sampled : 12/06/07 10:20 **Order #:** 1060901 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/10/07 **Submission #:** R2741250

ANALYTE	METHOD	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
PERCENT SOLIDS	160.3M	1.00	59.2	%	12/11/07	15:00	1.0
TOTAL ORGANIC CARBON	TOC.LK	300	15400 J	MG/KG	12/11/07	10:00	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 01/15/08

ENSR International
Project Reference: CON EDISON PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD14 (0-4)

Date Sampled : 12/06/07 11:20 **Order #:** 1060906 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/10/07 **Submission #:** R2741250

ANALYTE	METHOD	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
PERCENT SOLIDS	160.3M	1.00	74.5	%	12/11/07	15:00	1.0
TOTAL ORGANIC CARBON	TOC.LK	300	34600 J	MG/KG	12/11/07	10:00	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 01/15/08

ENSR International
Project Reference: CON EDISON PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD15 (0-2)

Date Sampled : 12/06/07 12:15 **Order #:** 1060908 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/10/07 **Submission #:** R2741250

ANALYTE	METHOD	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
PERCENT SOLIDS	160.3M	1.00	59.6	%	12/11/07	15:00	1.0
TOTAL ORGANIC CARBON	TOC.LK	300	13300 J	MG/KG	12/13/07	09:10	1.0

Validated Results - CAS SDG R2741136

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B
Reported: 01/03/08

ENSR International
Project Reference: CON EDISON - PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD1 (12-12.5)

Date Sampled : 11/29/07 16:55 **Order #:** 1059032 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/01/07 **Submission #:** R2741136 **Percent Solid:** 71.9

DATE ANALYZED : 12/06/07
ANALYTICAL DILUTION: 1.13

ANALYTE	PQL		RESULT	UNITS
				Dry Weight
ACETONE	20		11 J	UG/KG
BENZENE	5.0		0.61 J	UG/KG
BROMODICHLOROMETHANE	5.0		7.9 U	UG/KG
BROMOFORM	5.0		0.75 J	UG/KG
BROMOMETHANE	5.0		7.9 U	UG/KG
2-BUTANONE (MEK)	10		16 U	UG/KG
METHYL-TERT-BUTYL ETHER	5.0		7.9 U	UG/KG
CARBON DISULFIDE	10		16 U	UG/KG
CARBON TETRACHLORIDE	5.0		7.9 U	UG/KG
CHLOROBENZENE	5.0		7.9 U	UG/KG
CHLOROETHANE	10		16 U	UG/KG
CHLOROFORM	5.0		7.9 U	UG/KG
CHLOROMETHANE	5.0		7.9 U	UG/KG
1,2-DIBROMO-3-CHLOROPROPANE	5.0		7.9 U	UG/KG
CYCLOHEXANE	5.0		7.9 U	UG/KG
DIBROMOCHLOROMETHANE	5.0		7.9 U	UG/KG
1,2-DIBROMOETHANE	5.0		7.9 U	UG/KG
1,3-DICHLOROBENZENE	5.0		7.9 U	UG/KG
1,4-DICHLOROBENZENE	5.0		7.9 U	UG/KG
1,2-DICHLOROBENZENE	5.0		7.9 U	UG/KG
DICHLORODIFLUOROMETHANE	5.0		7.9 UJ	UG/KG
1,1-DICHLOROETHANE	5.0		7.9 U	UG/KG
1,2-DICHLOROETHANE	5.0		7.9 U	UG/KG
1,1-DICHLOROETHENE	5.0		7.9 U	UG/KG
CIS-1,2-DICHLOROETHENE	5.0		1.7 J	UG/KG
TRANS-1,2-DICHLOROETHENE	5.0		7.9 U	UG/KG
1,2-DICHLOROPROPANE	5.0		7.9 U	UG/KG
CIS-1,3-DICHLOROPROPENE	5.0		7.9 U	UG/KG
TRANS-1,3-DICHLOROPROPENE	5.0		7.9 U	UG/KG
ETHYLBENZENE	5.0		7.9 U	UG/KG
2-HEXANONE	10		16 U	UG/KG
ISOPROPYLBENZENE	5.0		7.9 U	UG/KG
METHYL ACETATE	10		16 U	UG/KG
METHYLCYCLOHEXANE	5.0		0.61 J	UG/KG
METHYLENE CHLORIDE	5.0	7.9u	~~0.76 JB~~	UG/KG
4-METHYL-2-PENTANONE (MIBK)	10		16 U	UG/KG
STYRENE	5.0		7.9 U	UG/KG
1,1,2,2-TETRACHLOROETHANE	5.0		7.9 U	UG/KG
TETRACHLOROETHENE	5.0		7.9 U	UG/KG
TOLUENE	5.0	7.9u	~~0.71 JB~~	UG/KG
1,2,4-TRICHLOROBENZENE	5.0		7.9 U	UG/KG
1,1,1-TRICHLOROETHANE	5.0		7.9 U	UG/KG
1,1,2-TRICHLOROETHANE	5.0		7.9 U	UG/KG
TRICHLOROETHENE	5.0		4.5 J	UG/KG

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B
Reported: 01/03/08

ENSR International
Project Reference: CON EDISON - PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD1 (12-12.5)

Date Sampled : 11/29/07 16:55 **Order #:** 1059032 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/01/07 **Submission #:** R2741136 **Percent Solid:** 71.9

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 12/06/07			
ANALYTICAL DILUTION: 1.13			Dry Weight
TRICHLOROFLUOROMETHANE	5.0	7.9 U	UG/KG
1,1,2-TRICHLORO1,2,2-TRIFLUOROETHA	5.0	7.9 U	UG/KG
VINYL CHLORIDE	5.0	7.9 U	UG/KG
O-XYLENE	5.0	7.9 U	UG/KG
M+P-XYLENE	5.0	7.9 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(50 - 135 %)	89	%
TOLUENE-D8	(75 - 128 %)	84	%
DIBROMOFLUOROMETHANE	(58 - 133 %)	93	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B
Reported: 01/03/08

ENSR International
Project Reference: CON EDISON - PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD2 (10-11)

Date Sampled : 11/29/07 15:25 **Order #:** 1059033 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/01/07 **Submission #:** R2741136 **Percent Solid:** 31.8

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 12/06/07			
ANALYTICAL DILUTION: 3.21			Dry Weight
ACETONE	20	500 J	UG/KG
BENZENE	5.0	50 U J	UG/KG
BROMODICHLOROMETHANE	5.0	50 U J	UG/KG
BROMOFORM	5.0	4.7 J J	UG/KG
BROMOMETHANE	5.0	50 U J	UG/KG
2-BUTANONE (MEK)	10	100 U J	UG/KG
METHYL-TERT-BUTYL ETHER	5.0	50 U J	UG/KG
CARBON DISULFIDE	10	130 J	UG/KG
CARBON TETRACHLORIDE	5.0	50 U J	UG/KG
CHLOROBENZENE	5.0	50 U	UG/KG
CHLOROETHANE	10	100 U	UG/KG
CHLOROFORM	5.0	50 U	UG/KG
CHLOROMETHANE	5.0	50 U	UG/KG
1,2-DIBROMO-3-CHLOROPROPANE	5.0	50 U	UG/KG
CYCLOHEXANE	5.0	50 U	UG/KG
DIBROMOCHLOROMETHANE	5.0	50 U	UG/KG
1,2-DIBROMOETHANE	5.0	50 U	UG/KG
1,3-DICHLOROBENZENE	5.0	50 U	UG/KG
1,4-DICHLOROBENZENE	5.0	50 U	UG/KG
1,2-DICHLOROBENZENE	5.0	50 U J	UG/KG
DICHLORODIFLUOROMETHANE	5.0	50 UJ	UG/KG
1,1-DICHLOROETHANE	5.0	50 U	UG/KG
1,2-DICHLOROETHANE	5.0	50 U	UG/KG
1,1-DICHLOROETHENE	5.0	50 U	UG/KG
CIS-1,2-DICHLOROETHENE	5.0	50 U	UG/KG
TRANS-1,2-DICHLOROETHENE	5.0	50 U	UG/KG
1,2-DICHLOROPROPANE	5.0	50 U	UG/KG
CIS-1,3-DICHLOROPROPENE	5.0	50 U	UG/KG
TRANS-1,3-DICHLOROPROPENE	5.0	50 U J	UG/KG
ETHYLBENZENE	5.0	3.5 J J	UG/KG
2-HEXANONE	10	100 UJ	UG/KG
ISOPROPYLBENZENE	5.0	50 U	UG/KG
METHYL ACETATE	10	100 U	UG/KG
METHYLCYCLOHEXANE	5.0	50 U J	UG/KG
METHYLENE CHLORIDE	5.0	50UJ ~~4.4 JB~~	UG/KG
4-METHYL-2-PENTANONE (MIBK)	10	100 UJ	UG/KG
STYRENE	5.0	50 U	UG/KG
1,1,2,2-TETRACHLOROETHANE	5.0	50 U	UG/KG
TETRACHLOROETHENE	5.0	50 U J	UG/KG
TOLUENE	5.0	50UJ ~~5.7 JB~~	UG/KG
1,2,4-TRICHLOROBENZENE	5.0	50 UJ	UG/KG
1,1,1-TRICHLOROETHANE	5.0	50 U	UG/KG
1,1,2-TRICHLOROETHANE	5.0	50 U J	UG/KG
TRICHLOROETHENE	5.0	4.1 JJ	UG/KG

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B
Reported: 01/03/08

ENSR International
Project Reference: CON EDISON - PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD2 (10-11)

Date Sampled : 11/29/07 15:25 **Order #:** 1059033 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/01/07 **Submission #:** R2741136 **Percent Solid:** 31.8

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 12/06/07			
ANALYTICAL DILUTION: 3.21			Dry Weight
TRICHLOROFLUOROMETHANE	5.0	50 U J	UG/KG
1,1,2-TRICHLORO1,2,2-TRIFLUOROETHA	5.0	50 U	UG/KG
VINYL CHLORIDE	5.0	50 U	UG/KG
O-XYLENE	5.0	50 U	UG/KG
M+P-XYLENE	5.0	8.2 J J	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(50 - 135 %)	76	%
TOLUENE-D8	(75 - 128 %)	98	%
DIBROMOFLUOROMETHANE	(58 - 133 %)	94	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B
Reported: 01/03/08

ENSR International
Project Reference: CON EDISON - PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD2 (16.5-17)

Date Sampled : 11/29/07 15:20 **Order #:** 1059034 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/01/07 **Submission #:** R2741136 **Percent Solid:** 75.4

DATE ANALYZED : 12/06/07
ANALYTICAL DILUTION: 0.65

ANALYTE	PQL	RESULT	UNITS
			Dry Weight
ACETONE	20	44	UG/KG
BENZENE	5.0	4.3 U	UG/KG
BROMODICHLOROMETHANE	5.0	4.3 U	UG/KG
BROMOFORM	5.0	4.3 U	UG/KG
BROMOMETHANE	5.0	4.3 U	UG/KG
2-BUTANONE (MEK)	10	8.8 J	UG/KG
METHYL-TERT-BUTYL ETHER	5.0	4.3 U	UG/KG
CARBON DISULFIDE	10	5.2 J	UG/KG
CARBON TETRACHLORIDE	5.0	4.3 U	UG/KG
CHLOROBENZENE	5.0	4.3 U	UG/KG
CHLOROETHANE	10	8.6 U	UG/KG
CHLOROFORM	5.0	4.3 U	UG/KG
CHLOROMETHANE	5.0	4.3 U	UG/KG
1,2-DIBROMO-3-CHLOROPROPANE	5.0	4.3 UJ	UG/KG
CYCLOHEXANE	5.0	4.3 U	UG/KG
DIBROMOCHLOROMETHANE	5.0	4.3 U	UG/KG
1,2-DIBROMOETHANE	5.0	4.3 U	UG/KG
1,3-DICHLOROBENZENE	5.0	4.3 UJ	UG/KG
1,4-DICHLOROBENZENE	5.0	4.3 UJ	UG/KG
1,2-DICHLOROBENZENE	5.0	4.3 UJ	UG/KG
DICHLORODIFLUOROMETHANE	5.0	4.3 UJ	UG/KG
1,1-DICHLOROETHANE	5.0	4.3 U	UG/KG
1,2-DICHLOROETHANE	5.0	4.3 U	UG/KG
1,1-DICHLOROETHENE	5.0	4.3 U	UG/KG
CIS-1,2-DICHLOROETHENE	5.0	4.3 U	UG/KG
TRANS-1,2-DICHLOROETHENE	5.0	4.3 U	UG/KG
1,2-DICHLOROPROPANE	5.0	4.3 U	UG/KG
CIS-1,3-DICHLOROPROPENE	5.0	4.3 U	UG/KG
TRANS-1,3-DICHLOROPROPENE	5.0	4.3 U	UG/KG
ETHYLBENZENE	5.0	4.3 U	UG/KG
2-HEXANONE	10	8.6 U	UG/KG
ISOPROPYLBENZENE	5.0	4.3 U	UG/KG
METHYL ACETATE	10	0.90 J	UG/KG
METHYLCYCLOHEXANE	5.0	4.3 U	UG/KG
METHYLENE CHLORIDE	5.0	4.34 ~~0.31 JB~~	UG/KG
4-METHYL-2-PENTANONE (MIBK)	10	8.6 U	UG/KG
STYRENE	5.0	4.3 U	UG/KG
1,1,2,2-TETRACHLOROETHANE	5.0	4.3 UJ	UG/KG
TETRACHLOROETHENE	5.0	4.3 U	UG/KG
TOLUENE	5.0	4.34 ~~0.29 JB~~	UG/KG
1,2,4-TRICHLOROBENZENE	5.0	4.3 UJ	UG/KG
1,1,1-TRICHLOROETHANE	5.0	4.3 U	UG/KG
1,1,2-TRICHLOROETHANE	5.0	4.3 U	UG/KG
TRICHLOROETHENE	5.0	4.3 U	UG/KG

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B
Reported: 01/03/08

ENSR International
Project Reference: CON EDISON - PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD2 (16.5-17)

Date Sampled : 11/29/07 15:20 **Order #:** 1059034 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/01/07 **Submission #:** R2741136 **Percent Solid:** 75.4

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 12/06/07			
ANALYTICAL DILUTION: 0.65			Dry Weight
TRICHLOROFLUOROMETHANE	5.0	4.3 U	UG/KG
1,1,2-TRICHLORO1,2,2-TRIFLUOROETHA	5.0	4.3 U	UG/KG
VINYL CHLORIDE	5.0	4.3 U	UG/KG
O-XYLENE	5.0	4.3 U	UG/KG
M+P-XYLENE	5.0	4.3 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(50 - 135 %)	70	%
TOLUENE-D8	(75 - 128 %)	102	%
DIBROMOFLUOROMETHANE	(58 - 133 %)	99	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B
Reported: 01/03/08

ENSR International
Project Reference: CON EDISON - PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD2 (16.5-17)

Date Sampled : 11/29/07 15:20 **Order #:** 1059034 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/01/07 **Submission #:** R2741136 **Percent Solid:** 75.4

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 12/07/00			
ANALYTICAL DILUTION: 0.93			Dry Weight
ACETONE	20	72	UG/KG
BENZENE	5.0	6.2 U	UG/KG
BROMODICHLOROMETHANE	5.0	6.2 U	UG/KG
BROMOFORM	5.0	6.2 U	UG/KG
BROMOMETHANE	5.0	6.2 U	UG/KG
2-BUTANONE (MEK)	10	13 J	UG/KG
METHYL-TERT-BUTYL ETHER	5.0	6.2 U	UG/KG
CARBON DISULFIDE	10	8.8 J	UG/KG
CARBON TETRACHLORIDE	5.0	6.2 U	UG/KG
CHLOROBENZENE	5.0	6.2 U	UG/KG
CHLOROETHANE	10	12 U	UG/KG
CHLOROFORM	5.0	6.2 U	UG/KG
CHLOROMETHANE	5.0	6.2 U	UG/KG
1,2-DIBROMO-3-CHLOROPROPANE	5.0	6.2 U	UG/KG
CYCLOHEXANE	5.0	6.2 U	UG/KG
DIBROMOCHLOROMETHANE	5.0	6.2 U	UG/KG
1,2-DIBROMOETHANE	5.0	6.2 U	UG/KG
1,3-DICHLOROBENZENE	5.0	6.2 U	UG/KG
1,4-DICHLOROBENZENE	5.0	6.2 U	UG/KG
1,2-DICHLOROBENZENE	5.0	6.2 U	UG/KG
DICHLORODIFLUOROMETHANE	5.0	6.2 U	UG/KG
1,1-DICHLOROETHANE	5.0	6.2 U	UG/KG
1,2-DICHLOROETHANE	5.0	6.2 U	UG/KG
1,1-DICHLOROETHENE	5.0	6.2 U	UG/KG
CIS-1,2-DICHLOROETHENE	5.0	6.2 U	UG/KG
TRANS-1,2-DICHLOROETHENE	5.0	6.2 U	UG/KG
1,2-DICHLOROPROPANE	5.0	6.2 U	UG/KG
CIS-1,3-DICHLOROPROPENE	5.0	6.2 U	UG/KG
TRANS-1,3-DICHLOROPROPENE	5.0	6.2 U	UG/KG
ETHYLBENZENE	10	12 U	UG/KG
2-HEXANONE	5.0	6.2 U	UG/KG
ISOPROPYLBENZENE	10	12 U	UG/KG
METHYL ACETATE	5.0	6.2 U	UG/KG
METHYLCYCLOHEXANE	5.0	0.46 J	UG/KG
METHYLENE CHLORIDE	10	12 U	UG/KG
4-METHYL-2-PENTANONE (MIBK)	5.0	6.2 U	UG/KG
STYRENE	5.0	6.2 U	UG/KG
1,1,2,2-TETRACHLOROETHANE	5.0	6.2 U	UG/KG
TETRACHLOROETHENE	5.0	0.45 JB	UG/KG
TOLUENE	5.0	6.2 U	UG/KG
1,2,4-TRICHLOROBENZENE	5.0	6.2 U	UG/KG
1,1,1-TRICHLOROETHANE	5.0	6.2 U	UG/KG
1,1,2-TRICHLOROETHANE	5.0	6.2 U	UG/KG
TRICHLOROETHENE			

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B
Reported: 01/03/08

ENSR International
Project Reference: CON EDISON - PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD2 (16.5-17)

Date Sampled : 11/29/07 15:20 **Order #:** 1059034 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/01/07 **Submission #:** R2741136 **Percent Solid:** 75.4

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 12/07/00			
ANALYTICAL DILUTION: 0.93			Dry Weight
TRICHLOROFLUOROMETHANE	5.0	6.2 U	UG/KG
1,1,2-TRICHLORO1,2,2-TRIFLUOROETHA	5.0	6.2 U	UG/KG
VINYL CHLORIDE	5.0	6.2 U	UG/KG
O-XYLENE	5.0	6.2 U	UG/KG
M+P-XYLENE	5.0	6.2 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(50 - 135 %)	67	%
TOLUENE-D8	(75 - 128 %)	103	%
DIBROMOFLUOROMETHANE	(58 - 133 %)	99	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B
Reported: 01/03/08

ENSR International
Project Reference: CON EDISON - PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD2 (18-19)

Date Sampled : 11/29/07 15:15 **Order #:** 1059035 **Sample Matrix:** SOIL/SEDIMEN
Date Received: 12/01/07 **Submission #:** R2741136 **Percent Solid:** 77.2

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 12/06/07			
ANALYTICAL DILUTION: 0.77			Dry Weight
ACETONE	20	19 J	UG/KG
BENZENE	5.0	5.0 U	UG/KG
BROMODICHLOROMETHANE	5.0	5.0 U	UG/KG
BROMOFORM	5.0	5.0 U	UG/KG
BROMOMETHANE	5.0	5.0 U	UG/KG
2-BUTANONE (MEK)	10	3.6 J	UG/KG
METHYL-TERT-BUTYL ETHER	5.0	5.0 U	UG/KG
CARBON DISULFIDE	10	1.8 J	UG/KG
CARBON TETRACHLORIDE	5.0	5.0 U	UG/KG
CHLOROBENZENE	5.0	5.0 U	UG/KG
CHLOROETHANE	10	10 U	UG/KG
CHLOROFORM	5.0	5.0 U	UG/KG
CHLOROMETHANE	5.0	5.0 U	UG/KG
1,2-DIBROMO-3-CHLOROPROPANE	5.0	5.0 U	UG/KG
CYCLOHEXANE	5.0	5.0 U	UG/KG
DIBROMOCHLOROMETHANE	5.0	5.0 U	UG/KG
1,2-DIBROMOETHANE	5.0	5.0 U	UG/KG
1,3-DICHLOROBENZENE	5.0	5.0 U	UG/KG
1,4-DICHLOROBENZENE	5.0	5.0 U	UG/KG
1,2-DICHLOROBENZENE	5.0	5.0 U	UG/KG
DICHLORODIFLUOROMETHANE	5.0	5.0 U J	UG/KG
1,1-DICHLOROETHANE	5.0	5.0 U	UG/KG
1,2-DICHLOROETHANE	5.0	5.0 U	UG/KG
1,1-DICHLOROETHENE	5.0	5.0 U	UG/KG
CIS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/KG
TRANS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/KG
1,2-DICHLOROPROPANE	5.0	5.0 U	UG/KG
CIS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/KG
TRANS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/KG
ETHYLBENZENE	5.0	5.0 U	UG/KG
2-HEXANONE	10	10 U	UG/KG
ISOPROPYLBENZENE	5.0	5.0 U	UG/KG
METHYL ACETATE	10	10 U	UG/KG
METHYLCYCLOHEXANE	5.0	5.0 U	UG/KG
METHYLENE CHLORIDE	5.0	5.0U ~~0.34 JB~~	UG/KG
4-METHYL-2-PENTANONE (MIBK)	10	10 U	UG/KG
STYRENE	5.0	5.0 U	UG/KG
1,1,2,2-TETRACHLOROETHANE	5.0	5.0 U	UG/KG
TETRACHLOROETHENE	5.0	5.0 U	UG/KG
TOLUENE	5.0	5.0 U	UG/KG
1,2,4-TRICHLOROBENZENE	5.0	5.0 U	UG/KG
1,1,1-TRICHLOROETHANE	5.0	5.0 U	UG/KG
1,1,2-TRICHLOROETHANE	5.0	5.0 U	UG/KG
TRICHLOROETHENE	5.0	5.0 U	UG/KG

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B
Reported: 01/03/08

ENSR International
Project Reference: CON EDISON - PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD2 (18-19)

Date Sampled : 11/29/07 15:15 **Order #:** 1059035 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/01/07 **Submission #:** R2741136 **Percent Solid:** 77.2

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 12/06/07			
ANALYTICAL DILUTION: 0.77			Dry Weight
TRICHLOROFLUOROMETHANE	5.0	5.0 U	UG/KG
1,1,2-TRICHLORO1,2,2-TRIFLUOROETHA	5.0	5.0 U	UG/KG
VINYL CHLORIDE	5.0	5.0 U	UG/KG
O-XYLENE	5.0	5.0 U	UG/KG
M+P-XYLENE	5.0	5.0 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(50 - 135 %)	90	%
TOLUENE-D8	(75 - 128 %)	86	%
DIBROMOFLUOROMETHANE	(58 - 133 %)	93	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B
Reported: 01/03/08

ENSR International
Project Reference: CON EDISON - PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD3 (14-16)

Date Sampled : 11/29/07 13:10 **Order #:** 1059036 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/01/07 **Submission #:** R2741136 **Percent Solid:** 56.9

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 12/06/07			
ANALYTICAL DILUTION: 0.70			Dry Weight
ACETONE	20	110	UG/KG
~~BENZENE~~	5.0	~~1300 E~~	UG/KG do not report
BROMODICHLOROMETHANE	5.0	6.2 U	UG/KG
BROMOFORM	5.0	6.2 U	UG/KG
BROMOMETHANE	5.0	6.2 U	UG/KG
2-BUTANONE (MEK)	10	21	UG/KG
METHYL-TERT-BUTYL ETHER	5.0	6.2 U	UG/KG
CARBON DISULFIDE	10	4.6 J	UG/KG
CARBON TETRACHLORIDE	5.0	6.2 U	UG/KG
CHLOROBENZENE	5.0	6.2 U	UG/KG
CHLOROETHANE	10	12 U	UG/KG
CHLOROFORM	5.0	6.2 U	UG/KG
CHLOROMETHANE	5.0	6.2 U	UG/KG
1,2-DIBROMO-3-CHLOROPROPANE	5.0	6.2 U	UG/KG
CYCLOHEXANE	5.0	0.93 J	UG/KG
DIBROMOCHLOROMETHANE	5.0	6.2 U	UG/KG
1,2-DIBROMOETHANE	5.0	6.2 U	UG/KG
1,3-DICHLOROBENZENE	5.0	6.2 U	UG/KG
1,4-DICHLOROBENZENE	5.0	6.2 U	UG/KG
1,2-DICHLOROBENZENE	5.0	6.2 U	UG/KG
DICHLORODIFLUOROMETHANE	5.0	6.2 UJ	UG/KG
1,1-DICHLOROETHANE	5.0	6.2 U	UG/KG
1,2-DICHLOROETHANE	5.0	6.2 U	UG/KG
1,1-DICHLOROETHENE	5.0	6.2 U	UG/KG
CIS-1,2-DICHLOROETHENE	5.0	6.2 U	UG/KG
TRANS-1,2-DICHLOROETHENE	5.0	6.2 U	UG/KG
1,2-DICHLOROPROPANE	5.0	6.2 U	UG/KG
CIS-1,3-DICHLOROPROPENE	5.0	6.2 U	UG/KG
TRANS-1,3-DICHLOROPROPENE	5.0	6.2 U	UG/KG
~~ETHYLBENZENE~~	5.0	~~2300 E~~	UG/KG do not report
2-HEXANONE	10	12 U	UG/KG
~~ISOPROPYLBENZENE~~	5.0	~~720 E~~	UG/KG do not report
METHYL ACETATE	10	12 U	UG/KG
METHYLCYCLOHEXANE	5.0	5.3 J	UG/KG
METHYLENE CHLORIDE	5.0	6.2U ~~0.49 JB~~	UG/KG
4-METHYL-2-PENTANONE (MIBK)	10	12 U	UG/KG
STYRENE	5.0	6.2 U	UG/KG
1,1,2,2-TETRACHLOROETHANE	5.0	6.2 U	UG/KG
TETRACHLOROETHENE	5.0	6.2 U	UG/KG
TOLUENE	5.0	83	UG/KG
1,2,4-TRICHLOROBENZENE	5.0	6.2 U	UG/KG
1,1,1-TRICHLOROETHANE	5.0	6.2 U	UG/KG
1,1,2-TRICHLOROETHANE	5.0	6.2 U	UG/KG
TRICHLOROETHENE	5.0	0.58 J	UG/KG

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B
Reported: 01/03/08

ENSR International
Project Reference: CON EDISON - PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD3 (14-16)

Date Sampled : 11/29/07 13:10 **Order #:** 1059036 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/01/07 **Submission #:** R2741136 **Percent Solid:** 56.9

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 12/06/07			
ANALYTICAL DILUTION: 0.70			Dry Weight
TRICHLOROFLUOROMETHANE	5.0	6.2 U	UG/KG
1,1,2-TRICHLORO1,2,2-TRIFLUOROETHA	5.0	6.2 U	UG/KG
VINYL CHLORIDE	5.0	6.2 U	UG/KG
~~O-XYLENE~~	~~5.0~~	~~2600 E~~	UG/KG
~~M+P-XYLENE~~	~~5.0~~	~~3500 E~~	UG/KG

do not report

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(50 - 135 %)	101	%
TOLUENE-D8	(75 - 128 %)	90	%
DIBROMOFLUOROMETHANE	(58 - 133 %)	93	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B
Reported: 01/03/08

ENSR International
Project Reference: CON EDISON - PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD3 (14-16)

Date Sampled : 11/29/07 13:10 **Order #:** 1059036 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/01/07 **Submission #:** R2741136 **Percent Solid:** 56.9

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 12/07/07		Report circled results only	
ANALYTICAL DILUTION: 38.35			Dry Weight
ACETONE	20	1300 U	UG/KG
BENZENE	5.0	1100 D	UG/KG
BROMODICHLOROMETHANE	5.0	340 U	UG/KG
BROMOFORM	5.0	340 U	UG/KG
BROMOMETHANE	5.0	340 U	UG/KG
2-BUTANONE (MEK)	10	100 JB	UG/KG
METHYL-TERT-BUTYL ETHER	5.0	340 U	UG/KG
CARBON DISULFIDE	10	670 U	UG/KG
CARBON TETRACHLORIDE	5.0	340 U	UG/KG
CHLOROBENZENE	5.0	340 U	UG/KG
CHLOROETHANE	10	670 U	UG/KG
CHLOROFORM	5.0	21 J	UG/KG
CHLOROMETHANE	5.0	340 U	UG/KG
1,2-DIBROMO-3-CHLOROPROPANE	5.0	340 U	UG/KG
CYCLOHEXANE	5.0	340 U	UG/KG
DIBROMOCHLOROMETHANE	5.0	340 U	UG/KG
1,2-DIBROMOETHANE	5.0	340 U	UG/KG
1,3-DICHLOROBENZENE	5.0	340 U	UG/KG
1,4-DICHLOROBENZENE	5.0	340 U	UG/KG
1,2-DICHLOROBENZENE	5.0	340 U	UG/KG
DICHLORODIFLUOROMETHANE	5.0	340 U	UG/KG
1,1-DICHLOROETHANE	5.0	340 U	UG/KG
1,2-DICHLOROETHANE	5.0	340 U	UG/KG
1,1-DICHLOROETHENE	5.0	340 U	UG/KG
CIS-1,2-DICHLOROETHENE	5.0	340 U	UG/KG
TRANS-1,2-DICHLOROETHENE	5.0	340 U	UG/KG
1,2-DICHLOROPROPANE	5.0	340 U	UG/KG
CIS-1,3-DICHLOROPROPENE	5.0	340 U	UG/KG
TRANS-1,3-DICHLOROPROPENE	5.0	340 U	UG/KG
ETHYLBENZENE	5.0	6900 D	UG/KG
2-HEXANONE	10	670 U	UG/KG
ISOPROPYLBENZENE	5.0	560 D	UG/KG
METHYL ACETATE	10	670 U	UG/KG
METHYLCYCLOHEXANE	5.0	340 U	UG/KG
METHYLENE CHLORIDE	5.0	340 U	UG/KG
4-METHYL-2-PENTANONE (MIBK)	10	670 U	UG/KG
STYRENE	5.0	340 U	UG/KG
1,1,2,2-TETRACHLOROETHANE	5.0	340 U	UG/KG
TETRACHLOROETHENE	5.0	340 U	UG/KG
TOLUENE	5.0	54 J	UG/KG
1,2,4-TRICHLOROBENZENE	5.0	340 U	UG/KG
1,1,1-TRICHLOROETHANE	5.0	340 U	UG/KG
1,1,2-TRICHLOROETHANE	5.0	340 U	UG/KG
TRICHLOROETHENE	5.0	340 U	UG/KG

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B
Reported: 01/03/08

ENSR International
Project Reference: CON EDISON - PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD3 (14-16)

Date Sampled : 11/29/07 13:10 **Order #:** 1059036 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/01/07 **Submission #:** R2741136 **Percent Solid:** 56.9

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 12/07/07			
ANALYTICAL DILUTION: 38.35			Dry Weight
TRICHLOROFLUOROMETHANE	5.0	340 U	UG/KG
1,1,2-TRICHLORO1,2,2-TRIFLUOROETHA	5.0	340 U	UG/KG
VINYL CHLORIDE	5.0	340 U	UG/KG
O-XYLENE	5.0	2600 D	UG/KG
M+P-XYLENE	5.0	4900 D	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(50 - 135 %)	99	%
TOLUENE-D8	(75 - 128 %)	99	%
DIBROMOFLUOROMETHANE	(58 - 133 %)	94	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B
Reported: 01/03/08

ENSR International
Project Reference: CON EDISON - PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD3 (16-16.5)

Date Sampled : 11/29/07 13:00 **Order #:** 1059037 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/01/07 **Submission #:** R2741136 **Percent Solid:** 25.4

DATE ANALYZED : 12/06/07
ANALYTICAL DILUTION: 1.06

ANALYTE	PQL	RESULT	UNITS
			Dry Weight
ACETONE	20	510 J	UG/KG
~~BENZENE~~	5.0	~~4700 E~~	UG/KG do not report
BROMODICHLOROMETHANE	5.0	21 U J	UG/KG
BROMOFORM	5.0	21 U |	UG/KG
BROMOMETHANE	5.0	21 U |	UG/KG
2-BUTANONE (MEK)	10	110 J	UG/KG
METHYL-TERT-BUTYL ETHER	5.0	21 U J	UG/KG
CARBON DISULFIDE	10	110 J	UG/KG
CARBON TETRACHLORIDE	5.0	21 U |	UG/KG
CHLOROBENZENE	5.0	21 U |	UG/KG
CHLOROETHANE	10	42 U |	UG/KG
CHLOROFORM	5.0	21 U |	UG/KG
CHLOROMETHANE	5.0	21 U |	UG/KG
~~1,2-DIBROMO-3-CHLOROPROPANE~~	5.0	~~21 U~~	~~UG/KG~~ do not report
CYCLOHEXANE	5.0	21 U |	UG/KG
DIBROMOCHLOROMETHANE	5.0	21 U |	UG/KG
1,2-DIBROMOETHANE	5.0	21 U |	UG/KG
~~1,3-DICHLOROBENZENE~~	5.0	~~21 U~~	~~UG/KG~~ do not report
~~1,4-DICHLOROBENZENE~~	5.0	~~21 U~~	~~UG/KG~~
~~1,2-DICHLOROBENZENE~~	5.0	~~21 U~~	~~UG/KG~~
DICHLORODIFLUOROMETHANE	5.0	21 UJ	UG/KG
1,1-DICHLOROETHANE	5.0	21 U J	UG/KG
1,2-DICHLOROETHANE	5.0	120 J	UG/KG
1,1-DICHLOROETHENE	5.0	21 U J	UG/KG
CIS-1,2-DICHLOROETHENE	5.0	21 U |	UG/KG
TRANS-1,2-DICHLOROETHENE	5.0	21 U |	UG/KG
1,2-DICHLOROPROPANE	5.0	21 U |	UG/KG
CIS-1,3-DICHLOROPROPENE	5.0	21 U |	UG/KG
TRANS-1,3-DICHLOROPROPENE	5.0	21 U |	UG/KG
~~ETHYLBENZENE~~	5.0	~~7500 E~~	UG/KG do not report
2-HEXANONE	10	42 U J	UG/KG
ISOPROPYLBENZENE	5.0	390 J	UG/KG
METHYL ACETATE	10	42 U J	UG/KG
METHYLCYCLOHEXANE	5.0	21 U J	UG/KG
METHYLENE CHLORIDE	5.0	21 U J ~~1.6 JB~~	UG/KG
4-METHYL-2-PENTANONE (MIBK)	10	42 U J	UG/KG
STYRENE	5.0	21 U J	UG/KG
~~1,1,2,2-TETRACHLOROETHANE~~	5.0	~~21 U~~	~~UG/KG~~ do not report
TETRACHLOROETHENE	5.0	21 U J	UG/KG
TOLUENE	5.0	590 J	UG/KG
~~1,2,4-TRICHLOROBENZENE~~	5.0	~~21 U~~	~~UG/KG~~ do not report
1,1,1-TRICHLOROETHANE	5.0	21 U J	UG/KG
1,1,2-TRICHLOROETHANE	5.0	21 U |	UG/KG
TRICHLOROETHENE	5.0	21 U |	UG/KG

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B
Reported: 01/03/08

ENSR International
Project Reference: CON EDISON - PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD3 (16-16.5)

Date Sampled : 11/29/07 13:00 **Order #:** 1059037 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/01/07 **Submission #:** R2741136 **Percent Solid:** 25.4

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 12/06/07			
ANALYTICAL DILUTION: 1.06			Dry Weight
TRICHLOROFLUOROMETHANE	5.0	21 U J	UG/KG
1,1,2-TRICHLORO1,2,2-TRIFLUOROETHA	5.0	21 U	UG/KG
VINYL CHLORIDE	5.0	21 U	UG/KG
~~O-XYLENE~~	~~5.0~~	~~3800 E~~	UG/KG do not report
~~M+P XYLENE~~	~~5.0~~	~~6700 E~~	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(50 - 135 %)	63	%
TOLUENE-D8	(75 - 128 %)	117	%
DIBROMOFLUOROMETHANE	(58 - 133 %)	98	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B
Reported: 01/03/08

ENSR International
Project Reference: CON EDISON - PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD3 (16-16.5)

Date Sampled : 11/29/07 13:00 **Order #:** 1059037 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/01/07 **Submission #:** R2741136 **Percent Solid:** 25.4

DATE ANALYZED : 12/07/07
ANALYTICAL DILUTION: 94.88

Report results circled below only

ANALYTE	PQL	RESULT	UNITS
			Dry Weight
ACETONE	20	7500 U	UG/KG
BENZENE	5.0	6700 JD	UG/KG
BROMODICHLOROMETHANE	5.0	1900 U	UG/KG
BROMOFORM	5.0	1900 U	UG/KG
BROMOMETHANE	5.0	1900 U	UG/KG
2-BUTANONE (MEK)	10	390 JB	UG/KG
METHYL-TERT-BUTYL ETHER	5.0	1900 U	UG/KG
CARBON DISULFIDE	10	3700 U	UG/KG
CARBON TETRACHLORIDE	5.0	1900 U	UG/KG
CHLOROBENZENE	5.0	1900 U	UG/KG
CHLOROETHANE	10	3700 U	UG/KG
CHLOROFORM	5.0	1900 U	UG/KG
CHLOROMETHANE	5.0	1900 U	UG/KG
1,2-DIBROMO-3-CHLOROPROPANE	5.0	1900 UJ	UG/KG
CYCLOHEXANE	5.0	1900 U	UG/KG
DIBROMOCHLOROMETHANE	5.0	1900 U	UG/KG
1,2-DIBROMOETHANE	5.0	1900 U	UG/KG
1,3-DICHLOROBENZENE	5.0	1900 UJ	UG/KG
1,4-DICHLOROBENZENE	5.0	1900 U	UG/KG
1,2-DICHLOROBENZENE	5.0	1900 U	UG/KG
DICHLORODIFLUOROMETHANE	5.0	1900 U	UG/KG
1,1-DICHLOROETHANE	5.0	1900 U	UG/KG
1,2-DICHLOROETHANE	5.0	1900 U	UG/KG
1,1-DICHLOROETHENE	5.0	1900 U	UG/KG
CIS-1,2-DICHLOROETHENE	5.0	1900 U	UG/KG
TRANS-1,2-DICHLOROETHENE	5.0	1900 U	UG/KG
1,2-DICHLOROPROPANE	5.0	1900 U	UG/KG
CIS-1,3-DICHLOROPROPENE	5.0	1900 U	UG/KG
TRANS-1,3-DICHLOROPROPENE	5.0	1900 U	UG/KG
ETHYLBENZENE	5.0	35000 JD	UG/KG
2-HEXANONE	10	3700 U	UG/KG
ISOPROPYLBENZENE	5.0	2000	UG/KG
METHYL ACETATE	10	3700 U	UG/KG
METHYLCYCLOHEXANE	5.0	1900 U	UG/KG
METHYLENE CHLORIDE	5.0	1900 U	UG/KG
4-METHYL-2-PENTANONE (MIBK)	10	3700 U	UG/KG
STYRENE	5.0	1900 U	UG/KG
1,1,2,2-TETRACHLOROETHANE	5.0	1900 UJ	UG/KG
TETRACHLOROETHENE	5.0	1900 U	UG/KG
TOLUENE	5.0	1900 U	UG/KG
1,2,4-TRICHLOROBENZENE	5.0	1900 UJ	UG/KG
1,1,1-TRICHLOROETHANE	5.0	1900 U	UG/KG
1,1,2-TRICHLOROETHANE	5.0	1900 U	UG/KG
TRICHLOROETHENE	5.0	1900 U	UG/KG

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B
Reported: 01/03/08

ENSR International
Project Reference: CON EDISON - PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD3 (16-16.5)

Date Sampled : 11/29/07 13:00 **Order #:** 1059037 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/01/07 **Submission #:** R2741136 **Percent Solid:** 25.4

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 12/07/07			
ANALYTICAL DILUTION: 94.88			Dry Weight
TRICHLOROFLUOROMETHANE	5.0	1900 U	UG/KG
1,1,2-TRICHLORO1,2,2-TRIFLUOROETHA	5.0	1900 U	UG/KG
VINYL CHLORIDE	5.0	1900 U	UG/KG
O-XYLENE	5.0	13000 D J	UG/KG
M+P-XYLENE	5.0	27000 D J	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(50 - 135 %)	96	%
TOLUENE-D8	(75 - 128 %)	97	%
DIBROMOFLUOROMETHANE	(58 - 133 %)	96	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B
Reported: 01/03/08

ENSR International
Project Reference: CON EDISON - PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD4 (0-2)

Date Sampled : 11/29/07 15:55 **Order #:** 1059038 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/01/07 **Submission #:** R2741136 **Percent Solid:** 53.7

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 12/06/07			
ANALYTICAL DILUTION: 1.33			Dry Weight
ACETONE	20	340	UG/KG
BENZENE	5.0	5.8 J	UG/KG
BROMODICHLOROMETHANE	5.0	12 U	UG/KG
BROMOFORM	5.0	12 U	UG/KG
BROMOMETHANE	5.0	12 U	UG/KG
2-BUTANONE (MEK)	10	65	UG/KG
METHYL-TERT-BUTYL ETHER	5.0	12 U	UG/KG
CARBON DISULFIDE	10	28	UG/KG
CARBON TETRACHLORIDE	5.0	12 U	UG/KG
CHLOROBENZENE	5.0	12 U	UG/KG
CHLOROETHANE	10	25 U	UG/KG
CHLOROFORM	5.0	12 U	UG/KG
CHLOROMETHANE	5.0	12 U	UG/KG
1,2-DIBROMO-3-CHLOROPROPANE	5.0	12 U	UG/KG
CYCLOHEXANE	5.0	3.0 J	UG/KG
DIBROMOCHLOROMETHANE	5.0	12 U	UG/KG
1,2-DIBROMOETHANE	5.0	12 U	UG/KG
1,3-DICHLOROBENZENE	5.0	12 U	UG/KG
1,4-DICHLOROBENZENE	5.0	12 U	UG/KG
1,2-DICHLOROBENZENE	5.0	12 U	UG/KG
DICHLORODIFLUOROMETHANE	5.0	12 UJ	UG/KG
1,1-DICHLOROETHANE	5.0	12 U	UG/KG
1,2-DICHLOROETHANE	5.0	12 U	UG/KG
1,1-DICHLOROETHENE	5.0	12 U	UG/KG
CIS-1,2-DICHLOROETHENE	5.0	12 U	UG/KG
TRANS-1,2-DICHLOROETHENE	5.0	12 U	UG/KG
1,2-DICHLOROPROPANE	5.0	12 U	UG/KG
CIS-1,3-DICHLOROPROPENE	5.0	12 U	UG/KG
TRANS-1,3-DICHLOROPROPENE	5.0	12 U	UG/KG
ETHYLBENZENE	5.0	26 J	UG/KG
2-HEXANONE	10	25 U	UG/KG
ISOPROPYLBENZENE	5.0	8.4 J	UG/KG
METHYL ACETATE	10	25 U	UG/KG
METHYLCYCLOHEXANE	5.0	8.2 J	UG/KG
METHYLENE CHLORIDE	5.0	12 U	UG/KG
4-METHYL-2-PENTANONE (MIBK)	10	25 U	UG/KG
STYRENE	5.0	12 U	UG/KG
1,1,2,2-TETRACHLOROETHANE	5.0	12 U	UG/KG
TETRACHLOROETHENE	5.0	12 U	UG/KG
TOLUENE	5.0	6.0 JB	UG/KG
1,2,4-TRICHLOROBENZENE	5.0	12 U	UG/KG
1,1,1-TRICHLOROETHANE	5.0	12 U	UG/KG
1,1,2-TRICHLOROETHANE	5.0	12 U	UG/KG
TRICHLOROETHENE	5.0	1.1 J	UG/KG

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B
Reported: 01/03/08

ENSR International
Project Reference: CON EDISON - PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD4 (0-2)

Date Sampled : 11/29/07 15:55 **Order #:** 1059038 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/01/07 **Submission #:** R2741136 **Percent Solid:** 53.7

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 12/06/07			
ANALYTICAL DILUTION: 1.33			Dry Weight
TRICHLOROFLUOROMETHANE	5.0	12 U	UG/KG
1,1,2-TRICHLORO1,2,2-TRIFLUOROETHA	5.0	12 U	UG/KG
VINYL CHLORIDE	5.0	12 U	UG/KG
O-XYLENE	5.0	13 J	UG/KG
M+P-XYLENE	5.0	20 J	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(50 - 135 %)	77	%
TOLUENE-D8	(75 - 128 %)	96	%
DIBROMOFLUOROMETHANE	(58 - 133 %)	98	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B
Reported: 01/03/08

ENSR International
Project Reference: CON EDISON - PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD4 (0-2)

Date Sampled : 11/29/07 15:55 **Order #:** 1059038 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/01/07 **Submission #:** R2741136 **Percent Solid:** 53.7

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 12/07/00			
ANALYTICAL DILUTION: 1.13			Dry Weight
ACETONE	20	280	UG/KG
BENZENE	5.0	2.2 J	UG/KG
BROMODICHLOROMETHANE	5.0	11 U	UG/KG
BROMOFORM	5.0	11 U	UG/KG
BROMOMETHANE	5.0	11 U	UG/KG
2-BUTANONE (MEK)	10	61	UG/KG
METHYL-TERT-BUTYL ETHER	5.0	11 U	UG/KG
CARBON DISULFIDE	10	45	UG/KG
CARBON TETRACHLORIDE	5.0	11 U	UG/KG
CHLOROBENZENE	5.0	11 U	UG/KG
CHLOROETHANE	10	21 U	UG/KG
CHLOROFORM	5.0	11 U	UG/KG
CHLOROMETHANE	5.0	11 U	UG/KG
1,2-DIBROMO-3-CHLOROPROPANE	5.0	11 UJ	UG/KG
CYCLOHEXANE	5.0	3.0 J	UG/KG
DIBROMOCHLOROMETHANE	5.0	11 U	UG/KG
1,2-DIBROMOETHANE	5.0	11 U	UG/KG
1,3-DICHLOROBENZENE	5.0	11 UJ	UG/KG
1,4-DICHLOROBENZENE	5.0	11 UJ	UG/KG
1,2-DICHLOROBENZENE	5.0	11 UJ	UG/KG
DICHLORODIFLUOROMETHANE	5.0	11 UJ	UG/KG
1,1-DICHLOROETHANE	5.0	11 U	UG/KG
1,2-DICHLOROETHANE	5.0	11 U	UG/KG
1,1-DICHLOROETHENE	5.0	11 U	UG/KG
CIS-1,2-DICHLOROETHENE	5.0	11 U	UG/KG
TRANS-1,2-DICHLOROETHENE	5.0	11 U	UG/KG
1,2-DICHLOROPROPANE	5.0	11 U	UG/KG
CIS-1,3-DICHLOROPROPENE	5.0	11 U	UG/KG
TRANS-1,3-DICHLOROPROPENE	5.0	11 U	UG/KG
ETHYLBENZENE	5.0	2.8 J	UG/KG
2-HEXANONE	10	21 U	UG/KG
ISOPROPYLBENZENE	5.0	37	UG/KG
METHYL ACETATE	10	21 U	UG/KG
METHYLCYCLOHEXANE	5.0	8.6 J	UG/KG
METHYLENE CHLORIDE	5.0	0.93 J	UG/KG
4-METHYL-2-PENTANONE (MIBK)	10	21 U	UG/KG
STYRENE	5.0	11 U	UG/KG
1,1,2,2-TETRACHLOROETHANE	5.0	11 UJ	UG/KG
TETRACHLOROETHENE	5.0	11 U	UG/KG
TOLUENE	5.0	11U ~~8.2 JB~~	UG/KG
1,2,4-TRICHLOROBENZENE	5.0	11 UJ	UG/KG
1,1,1-TRICHLOROETHANE	5.0	11 U	UG/KG
1,1,2-TRICHLOROETHANE	5.0	11 U	UG/KG
TRICHLOROETHENE	5.0	0.88 J	UG/KG

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B
Reported: 01/03/08

ENSR International
Project Reference: CON EDISON - PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD4 (0-2)

Date Sampled : 11/29/07 15:55 **Order #:** 1059038 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/01/07 **Submission #:** R2741136 **Percent Solid:** 53.7

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 12/07/00			
ANALYTICAL DILUTION: 1.13			Dry Weight
TRICHLOROFLUOROMETHANE	5.0	11 U	UG/KG
1,1,2-TRICHLORO1,2,2-TRIFLUOROETHA	5.0	11 UJ	UG/KG
VINYL CHLORIDE	5.0	11 U	UG/KG
O-XYLENE	5.0	6.3 J	UG/KG
M+P-XYLENE	5.0	11 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(50 - 135 %)	77	%
TOLUENE-D8	(75 - 128 %)	96	%
DIBROMOFLUOROMETHANE	(58 - 133 %)	96	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B
Reported: 01/03/08

ENSR International
Project Reference: CON EDISON - PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD4 (6-7)

Date Sampled : 11/29/07 15:50 **Order #:** 1059039 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/01/07 **Submission #:** R2741136 **Percent Solid:** 61.1

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 12/07/07			
ANALYTICAL DILUTION: 1.69			Dry Weight
ACETONE	20	230	UG/KG
BENZENE	5.0	14 U	UG/KG
BROMODICHLOROMETHANE	5.0	14 U	UG/KG
BROMOFORM	5.0	14 U	UG/KG
BROMOMETHANE	5.0	14 U	UG/KG
2-BUTANONE (MEK)	10	44	UG/KG
METHYL-TERT-BUTYL ETHER	5.0	14 U	UG/KG
CARBON DISULFIDE	10	16 J	UG/KG
CARBON TETRACHLORIDE	5.0	14 U	UG/KG
CHLOROBENZENE	5.0	14 U	UG/KG
CHLOROETHANE	10	28 U	UG/KG
CHLOROFORM	5.0	14 U	UG/KG
CHLOROMETHANE	5.0	14 U	UG/KG
1,2-DIBROMO-3-CHLOROPROPANE	5.0	14 U	UG/KG
CYCLOHEXANE	5.0	14 U	UG/KG
DIBROMOCHLOROMETHANE	5.0	14 U	UG/KG
1,2-DIBROMOETHANE	5.0	14 U	UG/KG
1,3-DICHLOROBENZENE	5.0	14 U	UG/KG
1,4-DICHLOROBENZENE	5.0	14 U	UG/KG
1,2-DICHLOROBENZENE	5.0	14 UJ	UG/KG
DICHLORODIFLUOROMETHANE	5.0	14 U	UG/KG
1,1-DICHLOROETHANE	5.0	14 U	UG/KG
1,2-DICHLOROETHANE	5.0	14 U	UG/KG
1,1-DICHLOROETHENE	5.0	14 U	UG/KG
CIS-1,2-DICHLOROETHENE	5.0	14 U	UG/KG
TRANS-1,2-DICHLOROETHENE	5.0	14 U	UG/KG
1,2-DICHLOROPROPANE	5.0	14 U	UG/KG
CIS-1,3-DICHLOROPROPENE	5.0	14 U	UG/KG
TRANS-1,3-DICHLOROPROPENE	5.0	14 U	UG/KG
ETHYLBENZENE	10	28 U	UG/KG
2-HEXANONE	5.0	14 U	UG/KG
ISOPROPYLBENZENE	10	28 U	UG/KG
METHYL ACETATE	5.0	14 U	UG/KG
METHYLCYCLOHEXANE	5.0	1.0 J	UG/KG
METHYLENE CHLORIDE	10	28 U	UG/KG
4-METHYL-2-PENTANONE (MIBK)	5.0	14 U	UG/KG
STYRENE	5.0	14 U	UG/KG
1,1,2,2-TETRACHLOROETHANE	5.0	14 U	UG/KG
TETRACHLOROETHENE	5.0	14 U	UG/KG
TOLUENE	5.0	14 U	UG/KG
1,2,4-TRICHLOROBENZENE	5.0	14 U	UG/KG
1,1,1-TRICHLOROETHANE	5.0	14 U	UG/KG
1,1,2-TRICHLOROETHANE	5.0	14 U	UG/KG
TRICHLOROETHENE			

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B
Reported: 01/03/08

ENSR International
Project Reference: CON EDISON - PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD4 (6-7)

Date Sampled : 11/29/07 15:50 **Order #:** 1059039 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/01/07 **Submission #:** R2741136 **Percent Solid:** 61.1

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 12/07/07			
ANALYTICAL DILUTION: 1.69			Dry Weight
TRICHLOROFLUOROMETHANE	5.0	14 U	UG/KG
1,1,2-TRICHLORO1,2,2-TRIFLUOROETHA	5.0	14 UJ	UG/KG
VINYL CHLORIDE	5.0	14 U	UG/KG
O-XYLENE	5.0	14 U	UG/KG
M+P-XYLENE	5.0	14 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(50 - 135 %)	83	%
TOLUENE-D8	(75 - 128 %)	90	%
DIBROMOFLUOROMETHANE	(58 - 133 %)	93	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B
Reported: 01/03/08

ENSR International
Project Reference: CON EDISON - PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD4 (14-15)

Date Sampled : 11/29/07 15:45 **Order #:** 1059040 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/01/07 **Submission #:** R2741136 **Percent Solid:** 77.9

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 12/06/07			
ANALYTICAL DILUTION: 1.01			Dry Weight
ACETONE	20	36	UG/KG
BENZENE	5.0	6.5 U	UG/KG
BROMODICHLOROMETHANE	5.0	6.5 U	UG/KG
BROMOFORM	5.0	6.5 U	UG/KG
BROMOMETHANE	5.0	6.5 U	UG/KG
2-BUTANONE (MEK)	10	9.4 J	UG/KG
METHYL-TERT-BUTYL ETHER	5.0	6.5 U	UG/KG
CARBON DISULFIDE	10	3.3 J	UG/KG
CARBON TETRACHLORIDE	5.0	6.5 U	UG/KG
CHLOROBENZENE	5.0	6.5 U	UG/KG
CHLOROETHANE	10	13 U	UG/KG
CHLOROFORM	5.0	6.5 U	UG/KG
CHLOROMETHANE	5.0	6.5 U	UG/KG
1,2-DIBROMO-3-CHLOROPROPANE	5.0	6.5 U	UG/KG
CYCLOHEXANE	5.0	6.5 U	UG/KG
DIBROMOCHLOROMETHANE	5.0	6.5 U	UG/KG
1,2-DIBROMOETHANE	5.0	6.5 U	UG/KG
1,3-DICHLOROBENZENE	5.0	6.5 U	UG/KG
1,4-DICHLOROBENZENE	5.0	6.5 U	UG/KG
1,2-DICHLOROBENZENE	5.0	6.5 UJ	UG/KG
DICHLORODIFLUOROMETHANE	5.0	6.5 U	UG/KG
1,1-DICHLOROETHANE	5.0	6.5 U	UG/KG
1,2-DICHLOROETHANE	5.0	6.5 U	UG/KG
1,1-DICHLOROETHENE	5.0	6.5 U	UG/KG
CIS-1,2-DICHLOROETHENE	5.0	6.5 U	UG/KG
TRANS-1,2-DICHLOROETHENE	5.0	6.5 U	UG/KG
1,2-DICHLOROPROPANE	5.0	6.5 U	UG/KG
CIS-1,3-DICHLOROPROPENE	5.0	6.5 U	UG/KG
TRANS-1,3-DICHLOROPROPENE	5.0	1.2 J	UG/KG
ETHYLBENZENE	10	13 U	UG/KG
2-HEXANONE	5.0	6.5 U	UG/KG
ISOPROPYLBENZENE	10	1.8 J	UG/KG
METHYL ACETATE	5.0	6.5 U	UG/KG
METHYLCYCLOHEXANE	5.0	6.5 U	UG/KG
METHYLENE CHLORIDE	10	13 U	UG/KG
4-METHYL-2-PENTANONE (MIBK)	5.0	6.5 U	UG/KG
STYRENE	5.0	6.5 U	UG/KG
1,1,2,2-TETRACHLOROETHANE	5.0	6.5 U	UG/KG
TETRACHLOROETHENE	5.0	6.5 U	UG/KG
TOLUENE	5.0	6.5 U	UG/KG
1,2,4-TRICHLOROBENZENE	5.0	6.5 U	UG/KG
1,1,1-TRICHLOROETHANE	5.0	6.5 U	UG/KG
1,1,2-TRICHLOROETHANE	5.0	6.5 U	UG/KG
TRICHLOROETHENE			

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B
Reported: 01/03/08

ENSR International
Project Reference: CON EDISON - PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD4 (14-15)

Date Sampled : 11/29/07 15:45 **Order #:** 1059040 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/01/07 **Submission #:** R2741136 **Percent Solid:** 77.9

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 12/06/07			
ANALYTICAL DILUTION: 1.01			Dry Weight
TRICHLOROFLUOROMETHANE	5.0	6.5 U	UG/KG
1,1,2-TRICHLORO1,2,2-TRIFLUOROETHA	5.0	6.5 U	UG/KG
VINYL CHLORIDE	5.0	6.5 U	UG/KG
O-XYLENE	5.0	0.63 J	UG/KG
M+P-XYLENE	5.0	0.77 J	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(50 - 135 %)	89	%
TOLUENE-D8	(75 - 128 %)	84	%
DIBROMOFLUOROMETHANE	(58 - 133 %)	92	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B
Reported: 01/03/08

ENSR International
Project Reference: CON EDISON - PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD4 (14-15)

Date Sampled : 11/29/07 15:45 **Order #:** 1059040 **Sample Matrix:** SOIL/SEDIMEN
Date Received: 12/01/07 **Submission #:** R2741136 **Percent Solid:** 77.9

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 12/07/00			
ANALYTICAL DILUTION: 0.98			Dry Weight
ACETONE	20	120	UG/KG
BENZENE	5.0	6.3 U	UG/KG
BROMODICHLOROMETHANE	5.0	6.3 U	UG/KG
BROMOFORM	5.0	6.3 U	UG/KG
BROMOMETHANE	5.0	6.3 U	UG/KG
2-BUTANONE (MEK)	10	21	UG/KG
METHYL-TERT-BUTYL ETHER	5.0	6.3 U	UG/KG
CARBON DISULFIDE	10	9.2 J	UG/KG
CARBON TETRACHLORIDE	5.0	6.3 U	UG/KG
CHLOROBENZENE	5.0	6.3 U	UG/KG
CHLOROETHANE	10	13 U	UG/KG
CHLOROFORM	5.0	6.3 U	UG/KG
CHLOROMETHANE	5.0	0.45 J	UG/KG
1,2-DIBROMO-3-CHLOROPROPANE	5.0	6.3 U	UG/KG
CYCLOHEXANE	5.0	6.3 U	UG/KG
DIBROMOCHLOROMETHANE	5.0	6.3 U	UG/KG
1,2-DIBROMOETHANE	5.0	6.3 U	UG/KG
1,3-DICHLOROBENZENE	5.0	6.3 U	UG/KG
1,4-DICHLOROBENZENE	5.0	6.3 U	UG/KG
1,2-DICHLOROBENZENE	5.0	6.3 U	UG/KG
DICHLORODIFLUOROMETHANE	5.0	6.3 UJ	UG/KG
1,1-DICHLOROETHANE	5.0	6.3 U	UG/KG
1,2-DICHLOROETHANE	5.0	6.3 U	UG/KG
1,1-DICHLOROETHENE	5.0	6.3 U	UG/KG
CIS-1,2-DICHLOROETHENE	5.0	6.3 U	UG/KG
TRANS-1,2-DICHLOROETHENE	5.0	6.3 U	UG/KG
1,2-DICHLOROPROPANE	5.0	6.3 U	UG/KG
CIS-1,3-DICHLOROPROPENE	5.0	6.3 U	UG/KG
TRANS-1,3-DICHLOROPROPENE	5.0	6.3 U	UG/KG
ETHYLBENZENE	5.0	0.40 J	UG/KG
2-HEXANONE	10	13 U	UG/KG
ISOPROPYLBENZENE	5.0	6.3 U	UG/KG
METHYL ACETATE	10	13 U	UG/KG
METHYLCYCLOHEXANE	5.0	6.3 U	UG/KG
METHYLENE CHLORIDE	5.0	6.3 U	UG/KG
4-METHYL-2-PENTANONE (MIBK)	10	13 U	UG/KG
STYRENE	5.0	6.3 U	UG/KG
1,1,2,2-TETRACHLOROETHANE	5.0	6.3 U	UG/KG
TETRACHLOROETHENE	5.0	6.3 U	UG/KG
TOLUENE	5.0	6.3U ~~0.59 JB~~	UG/KG
1,2,4-TRICHLOROBENZENE	5.0	6.3 U	UG/KG
1,1,1-TRICHLOROETHANE	5.0	6.3 U	UG/KG
1,1,2-TRICHLOROETHANE	5.0	6.3 U	UG/KG
TRICHLOROETHENE	5.0	6.3 U	UG/KG

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B
Reported: 01/03/08

ENSR International
Project Reference: CON EDISON - PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD4 (14-15)

Date Sampled : 11/29/07 15:45 **Order #:** 1059040 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/01/07 **Submission #:** R2741136 **Percent Solid:** 77.9

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 12/07/00			
ANALYTICAL DILUTION: 0.98			Dry Weight
TRICHLOROFLUOROMETHANE	5.0	6.3 U	UG/KG
1,1,2-TRICHLORO1,2,2-TRIFLUOROETHA	5.0	6.3 UJ	UG/KG
VINYL CHLORIDE	5.0	6.3 U	UG/KG
O-XYLENE	5.0	6.3 U	UG/KG
M+P-XYLENE	5.0	6.3 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(50 - 135 %)	72	%
TOLUENE-D8	(75 - 128 %)	108	%
DIBROMOFLUOROMETHANE	(58 - 133 %)	98	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B
Reported: 01/03/08

ENSR International
Project Reference: CON EDISON - PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD5 (16-17)

Date Sampled : 11/30/07 09:55 **Order #:** 1059042 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/01/07 **Submission #:** R2741136 **Percent Solid:** 64.5

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 12/06/07			Dry Weight
ANALYTICAL DILUTION: 4.67			
ACETONE	20	290	UG/KG
BENZENE	5.0	3.6 J	UG/KG
BROMODICHLOROMETHANE	5.0	36 U	UG/KG
BROMOFORM	5.0	36 U	UG/KG
BROMOMETHANE	5.0	36 U	UG/KG
2-BUTANONE (MEK)	10	51 J	UG/KG
METHYL-TERT-BUTYL ETHER	5.0	36 U	UG/KG
CARBON DISULFIDE	10	45 J	UG/KG
CARBON TETRACHLORIDE	5.0	36 U	UG/KG
CHLOROBENZENE	5.0	36 U	UG/KG
CHLOROETHANE	10	72 U	UG/KG
CHLOROFORM	5.0	36 U	UG/KG
CHLOROMETHANE	5.0	36 U	UG/KG
1,2-DIBROMO-3-CHLOROPROPANE	5.0	36 U	UG/KG
CYCLOHEXANE	5.0	36 U	UG/KG
DIBROMOCHLOROMETHANE	5.0	36 U	UG/KG
1,2-DIBROMOETHANE	5.0	36 U	UG/KG
1,3-DICHLOROBENZENE	5.0	36 U	UG/KG
1,4-DICHLOROBENZENE	5.0	36 U	UG/KG
1,2-DICHLOROBENZENE	5.0	36 UJ	UG/KG
DICHLORODIFLUOROMETHANE	5.0	36 U	UG/KG
1,1-DICHLOROETHANE	5.0	36 U	UG/KG
1,2-DICHLOROETHANE	5.0	36 U	UG/KG
1,1-DICHLOROETHENE	5.0	3.6 J	UG/KG
CIS-1,2-DICHLOROETHENE	5.0	36 U	UG/KG
TRANS-1,2-DICHLOROETHENE	5.0	36 U	UG/KG
1,2-DICHLOROPROPANE	5.0	36 U	UG/KG
CIS-1,3-DICHLOROPROPENE	5.0	36 U	UG/KG
TRANS-1,3-DICHLOROPROPENE	5.0	2.6 J	UG/KG
ETHYLBENZENE	10	72 U	UG/KG
2-HEXANONE	5.0	36 U	UG/KG
ISOPROPYLBENZENE	10	72 U	UG/KG
METHYL ACETATE	5.0	36 U	UG/KG
METHYLCYCLOHEXANE	5.0	36U ~~2.8 JB~~	UG/KG
METHYLENE CHLORIDE	10	72 U	UG/KG
4-METHYL-2-PENTANONE (MIBK)	5.0	36 U	UG/KG
STYRENE	5.0	36 U	UG/KG
1,1,2,2-TETRACHLOROETHANE	5.0	36 U	UG/KG
TETRACHLOROETHENE	5.0	36U ~~5.7 JB~~	UG/KG
TOLUENE	5.0	36 U	UG/KG
1,2,4-TRICHLOROBENZENE	5.0	36 U	UG/KG
1,1,1-TRICHLOROETHANE	5.0	36 U	UG/KG
1,1,2-TRICHLOROETHANE	5.0	26 J	UG/KG
TRICHLOROETHENE			

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B
Reported: 01/03/08

ENSR International
Project Reference: CON EDISON - PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD5 (0-2)

Date Sampled : 11/30/07 09:45 **Order #:** 1059041 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/01/07 **Submission #:** R2741136 **Percent Solid:** 42.2

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 12/06/07			
ANALYTICAL DILUTION: 2.75			Dry Weight
ACETONE	20	360 J	UG/KG
BENZENE	5.0	2.1 J	UG/KG
BROMODICHLOROMETHANE	5.0	33 UJ	UG/KG
BROMOFORM	5.0	33 UJ	UG/KG
BROMOMETHANE	5.0	33 UJ	UG/KG
2-BUTANONE (MEK)	10	59 J	UG/KG
METHYL-TERT-BUTYL ETHER	5.0	33 UJ	UG/KG
CARBON DISULFIDE	10	16 J	UG/KG
CARBON TETRACHLORIDE	5.0	33 UJ	UG/KG
CHLOROBENZENE	5.0	33 U	UG/KG
CHLOROETHANE	10	65 U	UG/KG
CHLOROFORM	5.0	33 U	UG/KG
CHLOROMETHANE	5.0	33 U	UG/KG
1,2-DIBROMO-3-CHLOROPROPANE	5.0	33 UJ	UG/KG
CYCLOHEXANE	5.0	2.2 J	UG/KG
DIBROMOCHLOROMETHANE	5.0	33 UJ	UG/KG
1,2-DIBROMOETHANE	5.0	33 U	UG/KG
1,3-DICHLOROBENZENE	5.0	33 U	UG/KG
1,4-DICHLOROBENZENE	5.0	33 U	UG/KG
1,2-DICHLOROBENZENE	5.0	33 U	UG/KG
DICHLORODIFLUOROMETHANE	5.0	33 UJ	UG/KG
1,1-DICHLOROETHANE	5.0	33 UJ	UG/KG
1,2-DICHLOROETHANE	5.0	33 U	UG/KG
1,1-DICHLOROETHENE	5.0	33 U	UG/KG
CIS-1,2-DICHLOROETHENE	5.0	33 U	UG/KG
TRANS-1,2-DICHLOROETHENE	5.0	33 U	UG/KG
1,2-DICHLOROPROPANE	5.0	33 U	UG/KG
CIS-1,3-DICHLOROPROPENE	5.0	33 U	UG/KG
TRANS-1,3-DICHLOROPROPENE	5.0	33 UJ	UG/KG
ETHYLBENZENE	5.0	2.6 J	UG/KG
2-HEXANONE	10	65 UJ	UG/KG
ISOPROPYLBENZENE	5.0	33 UJ	UG/KG
METHYL ACETATE	10	8.5 J	UG/KG
METHYLCYCLOHEXANE	5.0	3.1 J	UG/KG
METHYLENE CHLORIDE	5.0	334 ~~2.8 JB~~	UG/KG
4-METHYL-2-PENTANONE (MIBK)	10	65 UJ	UG/KG
STYRENE	5.0	33 U	UG/KG
1,1,2,2-TETRACHLOROETHANE	5.0	33 U	UG/KG
TETRACHLOROETHENE	5.0	33 UJ	UG/KG
TOLUENE	5.0	334 ~~3.6 JB~~	UG/KG
1,2,4-TRICHLOROBENZENE	5.0	33 UJ	UG/KG
1,1,1-TRICHLOROETHANE	5.0	33 U	UG/KG
1,1,2-TRICHLOROETHANE	5.0	33 UJ	UG/KG
TRICHLOROETHENE	5.0	3.1 J	UG/KG

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B
Reported: 01/03/08

ENSR International
Project Reference: CON EDISON - PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD5 (0-2)

Date Sampled : 11/30/07 09:45 **Order #:** 1059041 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/01/07 **Submission #:** R2741136 **Percent Solid:** 42.2

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 12/06/07			
ANALYTICAL DILUTION: 2.75			Dry Weight
TRICHLOROFLUOROMETHANE	5.0	33 UJ	UG/KG
1,1,2-TRICHLORO1,2,2-TRIFLUOROETHA	5.0	33 U	UG/KG
VINYL CHLORIDE	5.0	33 U	UG/KG
O-XYLENE	5.0	33 UJ	UG/KG
M+P-XYLENE	5.0	4.5 J	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(50 - 135 %)	84	%
TOLUENE-D8	(75 - 128 %)	90	%
DIBROMOFLUOROMETHANE	(58 - 133 %)	91	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B
Reported: 01/03/08

ENSR International
Project Reference: CON EDISON - PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD5 (16-17)

Date Sampled : 11/30/07 09:55 **Order #:** 1059042 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/01/07 **Submission #:** R2741136 **Percent Solid:** 64.5

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 12/06/07			
ANALYTICAL DILUTION: 4.67			Dry Weight
TRICHLOROFLUOROMETHANE	5.0	36 U	UG/KG
1,1,2-TRICHLORO1,2,2-TRIFLUOROETHA	5.0	36 U	UG/KG
VINYL CHLORIDE	5.0	36 U	UG/KG
O-XYLENE	5.0	36 U	UG/KG
M+P-XYLENE	5.0	36 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(50 - 135 %)	86	%
TOLUENE-D8	(75 - 128 %)	88	%
DIBROMOFLUOROMETHANE	(58 - 133 %)	96	%

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8270C SEMIVOLATILES
Reported: 01/03/08

ENSR International
Project Reference: CON EDISON - PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD1 (12-12.5)

Date Sampled : 11/29/07 16:55 **Order #:** 1059032 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/01/07 **Submission #:** R2741136 **Percent Solid:** 71.9

DATE EXTRACTED : 12/04/07
DATE ANALYZED : 12/11/07
ANALYTICAL DILUTION: 1.00

ANALYTE	PQL	RESULT	UNITS
			Dry Weight
ACENAPHTHENE	330	460 U	UG/KG
ACENAPHTHYLENE	330	460 U	UG/KG
ACETOPHENONE	330	460 U	UG/KG
ANTHRACENE	330	460 U	UG/KG
ATRAZINE	330	460 U	UG/KG
BENZALDEHYDE	330	460 UJ	UG/KG
BENZO(A)ANTHRACENE	330	460 U	UG/KG
BENZO(A)PYRENE	330	460 U	UG/KG
BENZO(B)FLUORANTHENE	330	460 U	UG/KG
BENZO(G,H,I)PERYLENE	330	460 U	UG/KG
BENZO(K)FLUORANTHENE	330	460 U	UG/KG
1,1'-BIPHENYL	330	460 U	UG/KG
BUTYL BENZYL PHTHALATE	330	460 U	UG/KG
DI-N-BUTYLPHTHALATE	330	460 U	UG/KG
CAPROLACTAM	330	460 U	UG/KG
CARBAZOLE	330	460 U	UG/KG
INDENO(1,2,3-CD)PYRENE	330	460 U	UG/KG
4-CHLOROANILINE	330	460 U	UG/KG
BIS(-2-CHLOROETHOXY)METHANE	330	460 U	UG/KG
BIS(2-CHLOROETHYL)ETHER	330	460 U	UG/KG
2-CHLORONAPHTHALENE	330	460 U	UG/KG
2-CHLOROPHENOL	330	460 U	UG/KG
2,2'-OXYBIS(1-CHLOROPROPANE)	330	460 U	UG/KG
CHRYSENE	330	460 U	UG/KG
DIBENZO(A,H)ANTHRACENE	330	460 U	UG/KG
DIBENZOFURAN	330	460 U	UG/KG
3,3'-DICHLOROBENZIDINE	330	460 U	UG/KG
2,4-DICHLOROPHENOL	330	460 U	UG/KG
DIETHYLPHTHALATE	330	460 U	UG/KG
DIMETHYL PHTHALATE	330	460 U	UG/KG
2,4-DIMETHYLPHENOL	330	460 U	UG/KG
2,4-DINITROPHENOL	1700	2400 UJ	UG/KG
2,4-DINITROTOLUENE	330	460 U	UG/KG
2,6-DINITROTOLUENE	330	460 U	UG/KG
BIS(2-ETHYLHEXYL)PHTHALATE	330	460 U	UG/KG
FLUORANTHENE	330	460 U	UG/KG
FLUORENE	330	460 U	UG/KG
HEXACHLOROBENZENE	330	460 U	UG/KG
HEXACHLOROBUTADIENE	330	460 U	UG/KG
HEXACHLOROCYCLOPENTADIENE	330	460 U	UG/KG
HEXACHLOROETHANE	330	460 U	UG/KG
ISOPHORONE	330	460 U	UG/KG
2-METHYLNAPHTHALENE	330	460 U	UG/KG

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8270C SEMIVOLATILES
Reported: 01/03/08

ENSR International
Project Reference: CON EDISON - PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD1 (12-12.5)

Date Sampled : 11/29/07 16:55 **Order #:** 1059032 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/01/07 **Submission #:** R2741136 **Percent Solid:** 71.9

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 12/04/07			
DATE ANALYZED : 12/11/07			
ANALYTICAL DILUTION: 1.00			Dry Weight
4,6-DINITRO-2-METHYLPHENOL	1700	2400 U	UG/KG
4-CHLORO-3-METHYLPHENOL	330	460 U	UG/KG
2-METHYLPHENOL	330	460 U	UG/KG
4-METHYLPHENOL	330	460 U	UG/KG
NAPHTHALENE	330	460 U	UG/KG
2-NITROANILINE	1700	2400 U	UG/KG
3-NITROANILINE	1700	2400 U	UG/KG
4-NITROANILINE	1700	2400 U	UG/KG
NITROBENZENE	330	460 U	UG/KG
2-NITROPHENOL	330	460 U	UG/KG
4-NITROPHENOL	1700	2400 U	UG/KG
N-NITROSODIPHENYLAMINE	330	460 U	UG/KG
DI-N-OCTYL PHTHALATE	330	460 U	UG/KG
PENTACHLOROPHENOL	1700	2400 U	UG/KG
PHENANTHRENE	330	460 U	UG/KG
PHENOL	330	460 U	UG/KG
4-BROMOPHENYL-PHENYLETHER	330	460 U	UG/KG
4-CHLOROPHENYL-PHENYLETHER	330	460 U	UG/KG
N-NITROSO-DI-N-PROPYLAMINE	330	460 U	UG/KG
PYRENE	330	460 U	UG/KG
2,4,6-TRICHLOROPHENOL	330	460 U	UG/KG
2,4,5-TRICHLOROPHENOL	330	460 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
TERPHENYL-d14	(48 - 131 %)	48	%
NITROBENZENE-d5	(27 - 130 %)	38	%
PHENOL-d6	(10 - 133 %)	41	%
2-FLUOROBIPHENYL	(32 - 130 %)	41	%
2-FLUOROPHENOL	(10 - 130 %)	37	%
2,4,6-TRIBROMOPHENOL	(33 - 139 %)	42	%

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8270C SEMIVOLATILES
Reported: 01/03/08

ENSR International
Project Reference: CON EDISON - PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD2 (10-11)

Date Sampled : 11/29/07 15:25 **Order #:** 1059033 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/01/07 **Submission #:** R2741136 **Percent Solid:** 31.8

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 12/04/07			
DATE ANALYZED : 12/11/07			
ANALYTICAL DILUTION: 1.00			Dry Weight
ACENAPHTHENE	330	180 JJ	UG/KG
ACENAPHTHYLENE	330	88 JJ	UG/KG
ACETOPHENONE	330	1000 UJ	UG/KG
ANTHRACENE	330	120 JJ	UG/KG
ATRAZINE	330	1000 UJ	UG/KG
BENZALDEHYDE	330	1000 UJ	UG/KG
BENZO(A)ANTHRACENE	330	230 JJ	UG/KG
BENZO(A)PYRENE	330	220 JJ	UG/KG
BENZO(B)FLUORANTHENE	330	180 JJ	UG/KG
BENZO(G,H,I)PERYLENE	330	160 JJ	UG/KG
BENZO(K)FLUORANTHENE	330	160 JJ	UG/KG
1,1'-BIPHENYL	330	1000 UJ	UG/KG
BUTYL BENZYL PHTHALATE	330	1000 U	UG/KG
DI-N-BUTYLPHTHALATE	330	1000 U	UG/KG
CAPROLACTAM	330	1000 U	UG/KG
CARBAZOLE	330	1000 U	UG/KG
INDENO(1,2,3-CD)PYRENE	330	140 JJ	UG/KG
4-CHLOROANILINE	330	1000 UJ	UG/KG
BIS(-2-CHLOROETHOXY)METHANE	330	1000 U	UG/KG
BIS(2-CHLOROETHYL)ETHER	330	1000 U	UG/KG
2-CHLORONAPHTHALENE	330	1000 U	UG/KG
2-CHLOROPHENOL	330	1000 U	UG/KG
2,2'-OXYBIS(1-CHLOROPROPANE)	330	1000 U	UG/KG
CHRYSENE	330	280 JJ	UG/KG
DIBENZO(A,H)ANTHRACENE	330	1000 UJ	UG/KG
DIBENZOFURAN	330	1000 U	UG/KG
3,3'-DICHLOROBENZIDINE	330	1000 U	UG/KG
2,4-DICHLOROPHENOL	330	1000 U	UG/KG
DIETHYLPHTHALATE	330	1000 U	UG/KG
DIMETHYL PHTHALATE	330	1000 U	UG/KG
2,4-DIMETHYLPHENOL	330	1000 U	UG/KG
2,4-DINITROPHENOL	1700	5300 UJ	UG/KG
2,4-DINITROTOLUENE	330	1000 UJ	UG/KG
2,6-DINITROTOLUENE	330	1000 UJ	UG/KG
BIS(2-ETHYLHEXYL)PHTHALATE	330	120 JJ	UG/KG
FLUORANTHENE	330	440 JJ	UG/KG
FLUORENE	330	1000 UJ	UG/KG
HEXACHLOROBENZENE	330	1000 U	UG/KG
HEXACHLOROBUTADIENE	330	1000 U	UG/KG
HEXACHLOROCYCLOPENTADIENE	330	1000 U	UG/KG
HEXACHLOROETHANE	330	1000 U	UG/KG
ISOPHORONE	330	1000 U	UG/KG
2-METHYLNAPHTHALENE	330	97 JJ	UG/KG

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8270C SEMIVOLATILES
Reported: 01/03/08

ENSR International
Project Reference: CON EDISON - PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD2 (10-11)

Date Sampled : 11/29/07 15:25 **Order #:** 1059033 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/01/07 **Submission #:** R2741136 **Percent Solid:** 31.8

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 12/04/07			
DATE ANALYZED : 12/11/07			
ANALYTICAL DILUTION: 1.00			Dry Weight
4,6-DINITRO-2-METHYLPHENOL	1700	5300 UJ	UG/KG
4-CHLORO-3-METHYLPHENOL	330	1000 U	UG/KG
2-METHYLPHENOL	330	1000 U	UG/KG
4-METHYLPHENOL	330	1000 U	UG/KG
NAPHTHALENE	330	170 JJ	UG/KG
2-NITROANILINE	1700	5300 UJ	UG/KG
3-NITROANILINE	1700	5300 U	UG/KG
4-NITROANILINE	1700	5300 U	UG/KG
NITROBENZENE	330	1000 U	UG/KG
2-NITROPHENOL	330	1000 U	UG/KG
4-NITROPHENOL	1700	5300 U	UG/KG
N-NITROSODIPHENYLAMINE	330	1000 U	UG/KG
DI-N-OCTYL PHTHALATE	330	1000 U	UG/KG
PENTACHLOROPHENOL	1700	5300 U	UG/KG
PHENANTHRENE	330	310 JJ	UG/KG
PHENOL	330	1000 UJ	UG/KG
4-BROMOPHENYL-PHENYLETHER	330	1000 U	UG/KG
4-CHLOROPHENYL-PHENYLETHER	330	1000 U	UG/KG
N-NITROSO-DI-N-PROPYLAMINE	330	1000 U	UG/KG
PYRENE	330	410 JJ	UG/KG
2,4,6-TRICHLOROPHENOL	330	1000 UJ	UG/KG
2,4,5-TRICHLOROPHENOL	330	1000 UJ	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
TERPHENYL-d14	(48 - 131 %)	69	%
NITROBENZENE-d5	(27 - 130 %)	65	%
PHENOL-d6	(10 - 133 %)	62	%
2-FLUOROBIPHENYL	(32 - 130 %)	63	%
2-FLUOROPHENOL	(10 - 130 %)	55	%
2,4,6-TRIBROMOPHENOL	(33 - 139 %)	75	%

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8270C SEMIVOLATILES
Reported: 01/03/08

ENSR International
Project Reference: CON EDISON - PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD2 (16.5-17)

Date Sampled : 11/29/07 15:20 **Order #:** 1059034 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/01/07 **Submission #:** R2741136 **Percent Solid:** 75.4

DATE EXTRACTED : 12/04/07
DATE ANALYZED : 12/11/07
ANALYTICAL DILUTION: 1.00

ANALYTE	PQL	RESULT	UNITS
			Dry Weight
ACENAPHTHENE	330	440 U	UG/KG
ACENAPHTHYLENE	330	440 U	UG/KG
ACETOPHENONE	330	440 U	UG/KG
ANTHRACENE	330	440 U	UG/KG
ATRAZINE	330	440 U	UG/KG
BENZALDEHYDE	330	440 UJ	UG/KG
BENZO(A)ANTHRACENE	330	440 U	UG/KG
BENZO(A)PYRENE	330	440 U	UG/KG
BENZO(B)FLUORANTHENE	330	440 U	UG/KG
BENZO(G,H,I)PERYLENE	330	440 U	UG/KG
BENZO(K)FLUORANTHENE	330	440 U	UG/KG
1,1'-BIPHENYL	330	440 U	UG/KG
BUTYL BENZYL PHTHALATE	330	440 U	UG/KG
DI-N-BUTYLPHTHALATE	330	440 U	UG/KG
CAPROLACTAM	330	440 U	UG/KG
CARBAZOLE	330	440 U	UG/KG
INDENO(1,2,3-CD)PYRENE	330	440 U	UG/KG
4-CHLOROANILINE	330	440 U	UG/KG
BIS(-2-CHLOROETHOXY)METHANE	330	440 U	UG/KG
BIS(2-CHLOROETHYL)ETHER	330	440 U	UG/KG
2-CHLORONAPHTHALENE	330	440 U	UG/KG
2-CHLOROPHENOL	330	440 U	UG/KG
2,2'-OXYBIS(1-CHLOROPROPANE)	330	440 U	UG/KG
CHRYSENE	330	440 U	UG/KG
DIBENZO(A,H)ANTHRACENE	330	440 U	UG/KG
DIBENZOFURAN	330	440 U	UG/KG
3,3'-DICHLOROBENZIDINE	330	440 U	UG/KG
2,4-DICHLOROPHENOL	330	440 U	UG/KG
DIETHYLPHTHALATE	330	440 U	UG/KG
DIMETHYL PHTHALATE	330	440 U	UG/KG
2,4-DIMETHYLPHENOL	1700	2300 UJ	UG/KG
2,4-DINITROPHENOL	330	440 U	UG/KG
2,4-DINITROTOLUENE	330	440 U	UG/KG
2,6-DINITROTOLUENE	330	440 U	UG/KG
BIS(2-ETHYLHEXYL)PHTHALATE	330	440 U	UG/KG
FLUORANTHENE	330	440 U	UG/KG
FLUORENE	330	440 U	UG/KG
HEXACHLOROBENZENE	330	440 U	UG/KG
HEXACHLOROBUTADIENE	330	440 U	UG/KG
HEXACHLOROCYCLOPENTADIENE	330	440 U	UG/KG
HEXACHLOROETHANE	330	440 U	UG/KG
ISOPHORONE	330	440 U	UG/KG
2-METHYLNAPHTHALENE	330	440 U	UG/KG

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8270C SEMIVOLATILES
Reported: 01/03/08

ENSR International
Project Reference: CON EDISON - PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD2 (16.5-17)

Date Sampled : 11/29/07 15:20 **Order #:** 1059034 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/01/07 **Submission #:** R2741136 **Percent Solid:** 75.4

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 12/04/07			
DATE ANALYZED : 12/11/07			
ANALYTICAL DILUTION: 1.00			Dry Weight
4,6-DINITRO-2-METHYLPHENOL	1700	2300 U	UG/KG
4-CHLORO-3-METHYLPHENOL	330	440 U	UG/KG
2-METHYLPHENOL	330	440 U	UG/KG
4-METHYLPHENOL	330	440 U	UG/KG
NAPHTHALENE	330	440 U	UG/KG
2-NITROANILINE	1700	2300 U	UG/KG
3-NITROANILINE	1700	2300 U	UG/KG
4-NITROANILINE	1700	2300 U	UG/KG
NITROBENZENE	330	440 U	UG/KG
2-NITROPHENOL	330	440 U	UG/KG
4-NITROPHENOL	1700	2300 U	UG/KG
N-NITROSODIPHENYLAMINE	330	440 U	UG/KG
DI-N-OCTYL PHTHALATE	330	440 U	UG/KG
PENTACHLOROPHENOL	1700	2300 U	UG/KG
PHENANTHRENE	330	440 U	UG/KG
PHENOL	330	440 U	UG/KG
4-BROMOPHENYL-PHENYLETHER	330	440 U	UG/KG
4-CHLOROPHENYL-PHENYLETHER	330	440 U	UG/KG
N-NITROSO-DI-N-PROPYLAMINE	330	440 U	UG/KG
PYRENE	330	440 U	UG/KG
2,4,6-TRICHLOROPHENOL	330	440 U	UG/KG
2,4,5-TRICHLOROPHENOL	330	440 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
TERPHENYL-d14	(48 - 131 %)	61	%
NITROBENZENE-d5	(27 - 130 %)	62	%
PHENOL-d6	(10 - 133 %)	60	%
2-FLUOROBIPHENYL	(32 - 130 %)	65	%
2-FLUOROPHENOL	(10 - 130 %)	55	%
2,4,6-TRIBROMOPHENOL	(33 - 139 %)	62	%

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8270C SEMIVOLATILES
Reported: 01/03/08

ENSR International
Project Reference: CON EDISON - PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD2 (18-19)

Date Sampled : 11/29/07 15:15 **Order #:** 1059035 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/01/07 **Submission #:** R2741136 **Percent Solid:** 77.2

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 12/04/07			
DATE ANALYZED : 12/11/07			
ANALYTICAL DILUTION: 1.00			Dry Weight
ACENAPHTHENE	330	430 UJ	UG/KG
ACENAPHTHYLENE	330	430 U	UG/KG
ACETOPHENONE	330	430 U	UG/KG
ANTHRACENE	330	430 U	UG/KG
ATRAZINE	330	430 U	UG/KG
BENZALDEHYDE	330	430 U	UG/KG
BENZO(A)ANTHRACENE	330	32 J	UG/KG
BENZO(A)PYRENE	330	40 J	UG/KG
BENZO(B)FLUORANTHENE	330	430 U	UG/KG
BENZO(G,H,I)PERYLENE	330	430 U	UG/KG
BENZO(K)FLUORANTHENE	330	430 U	UG/KG
1,1'-BIPHENYL	330	430 U	UG/KG
BUTYL BENZYL PHTHALATE	330	430 U	UG/KG
DI-N-BUTYLPHTHALATE	330	430 U	UG/KG
CAPROLACTAM	330	430 U	UG/KG
CARBAZOLE	330	430 U	UG/KG
INDENO(1,2,3-CD)PYRENE	330	430 U	UG/KG
4-CHLOROANILINE	330	430 U	UG/KG
BIS(-2-CHLOROETHOXY)METHANE	330	430 U	UG/KG
BIS(2-CHLOROETHYL)ETHER	330	430 U	UG/KG
2-CHLORONAPHTHALENE	330	430 U	UG/KG
2-CHLOROPHENOL	330	430 U	UG/KG
2,2'-OXYBIS(1-CHLOROPROPANE)	330	430 UJ	UG/KG
CHRYSENE	330	28 J	UG/KG
DIBENZO(A,H)ANTHRACENE	330	430 U	UG/KG
DIBENZOFURAN	330	430 U	UG/KG
3,3'-DICHLOROBENZIDINE	330	430 U	UG/KG
2,4-DICHLOROPHENOL	330	430 U	UG/KG
DIETHYLPHTHALATE	330	430 UJ	UG/KG
DIMETHYL PHTHALATE	330	430 U	UG/KG
2,4-DIMETHYLPHENOL	330	430 U	UG/KG
2,4-DINITROPHENOL	1700	2200 UJ	UG/KG
2,4-DINITROTOLUENE	330	430 UJ	UG/KG
2,6-DINITROTOLUENE	330	430 UJ	UG/KG
BIS(2-ETHYLHEXYL)PHTHALATE	330	430 U	UG/KG
FLUORANTHENE	330	430 U	UG/KG
FLUORENE	330	430 U	UG/KG
HEXACHLOROBENZENE	330	430 U	UG/KG
HEXACHLOROBUTADIENE	330	430 U	UG/KG
HEXACHLOROCYCLOPENTADIENE	330	430 U	UG/KG
HEXACHLOROETHANE	330	430 U	UG/KG
ISOPHORONE	330	430 U	UG/KG
2-METHYLNAPHTHALENE	330	430 U	UG/KG

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8270C SEMIVOLATILES
Reported: 01/03/08

ENSR International
Project Reference: CON EDISON - PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD2 (18-19)

Date Sampled : 11/29/07 15:15 **Order #:** 1059035 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/01/07 **Submission #:** R2741136 **Percent Solid:** 77.2

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 12/04/07			
DATE ANALYZED : 12/11/07			
ANALYTICAL DILUTION: 1.00			Dry Weight
4,6-DINITRO-2-METHYLPHENOL	1700	2200 U	UG/KG
4-CHLORO-3-METHYLPHENOL	330	430 U	UG/KG
2-METHYLPHENOL	330	430 U	UG/KG
4-METHYLPHENOL	330	430 U	UG/KG
NAPHTHALENE	330	430 U	UG/KG
2-NITROANILINE	1700	2200 UJ	UG/KG
3-NITROANILINE	1700	2200 U	UG/KG
4-NITROANILINE	1700	2200 U	UG/KG
NITROBENZENE	330	430 U	UG/KG
2-NITROPHENOL	330	430 U	UG/KG
4-NITROPHENOL	1700	2200 U	UG/KG
N-NITROSODIPHENYLAMINE	330	430 UJ	UG/KG
DI-N-OCTYL PHTHALATE	330	430 U	UG/KG
PENTACHLOROPHENOL	1700	2200 U	UG/KG
PHENANTHRENE	330	430 UJ	UG/KG
PHENOL	330	430 U	UG/KG
4-BROMOPHENYL-PHENYLETHER	330	430 UJ	UG/KG
4-CHLOROPHENYL-PHENYLETHER	330	430 U	UG/KG
N-NITROSO-DI-N-PROPYLAMINE	330	430 U	UG/KG
PYRENE	330	430 U	UG/KG
2,4,6-TRICHLOROPHENOL	330	430 U	UG/KG
2,4,5-TRICHLOROPHENOL	330	430 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
TERPHENYL-d14	(48 - 131 %)	41 *	%
NITROBENZENE-d5	(27 - 130 %)	27	%
PHENOL-d6	(10 - 133 %)	26	%
2-FLUOROBIPHENYL	(32 - 130 %)	30 *	%
2-FLUOROPHENOL	(10 - 130 %)	25	%
2,4,6-TRIBROMOPHENOL	(33 - 139 %)	37	%

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8270C SEMIVOLATILES
Reported: 01/03/08

ENSR International
Project Reference: CON EDISON - PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD2 (18-19)

Date Sampled : 11/29/07 15:15 **Order #:** 1059035 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/01/07 **Submission #:** R2741136 **Percent Solid:** 77.2

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 12/13/07			
DATE ANALYZED : 12/20/07			
ANALYTICAL DILUTION: 1.00			Dry Weight
ACENAPHTHENE	330	430 U	UG/KG
ACENAPHTHYLENE	330	430 U	UG/KG
ACETOPHENONE	330	430 U	UG/KG
ANTHRACENE	330	430 U	UG/KG
ATRAZINE	330	430 U	UG/KG
BENZALDEHYDE	330	430 U	UG/KG
BENZO(A)ANTHRACENE	330	430 U	UG/KG
BENZO(A)PYRENE	330	430 U	UG/KG
BENZO(B)FLUORANTHENE	330	430 U	UG/KG
BENZO(G,H,I)PERYLENE	330	430 U	UG/KG
BENZO(K)FLUORANTHENE	330	430 U	UG/KG
1,1'-BIPHENYL	330	430 U	UG/KG
BUTYL BENZYL PHTHALATE	330	430 U	UG/KG
DI-N-BUTYLPHTHALATE	330	430 U	UG/KG
CAPROLACTAM	330	430 U	UG/KG
CARBAZOLE	330	430 U	UG/KG
INDENO(1,2,3-CD)PYRENE	330	430 U	UG/KG
4-CHLOROANILINE	330	430 U	UG/KG
BIS(-2-CHLOROETHOXY)METHANE	330	430 U	UG/KG
BIS(2-CHLOROETHYL)ETHER	330	430 U	UG/KG
2-CHLORONAPHTHALENE	330	430 U	UG/KG
2-CHLOROPHENOL	330	430 U	UG/KG
2,2'-OXYBIS(1-CHLOROPROPANE)	330	430 U	UG/KG
CHRYSENE	330	430 U	UG/KG
DIBENZO(A,H)ANTHRACENE	330	430 U	UG/KG
DIBENZOFURAN	330	430 U	UG/KG
3,3'-DICHLOROBENZIDINE	330	430 U	UG/KG
2,4-DICHLOROPHENOL	330	430 U	UG/KG
DIETHYLPHTHALATE	330	430 U	UG/KG
DIMETHYL PHTHALATE	330	430 U	UG/KG
2,4-DIMETHYLPHENOL	330	430 U	UG/KG
2,4-DINITROPHENOL	1700	2200 U	UG/KG
2,4-DINITROTOLUENE	330	430 U	UG/KG
2,6-DINITROTOLUENE	330	430 U	UG/KG
BIS(2-ETHYLHEXYL)PHTHALATE	330	430 U	UG/KG
FLUORANTHENE	330	430 U	UG/KG
FLUORENE	330	430 U	UG/KG
HEXACHLOROBENZENE	330	430 U	UG/KG
HEXACHLOROBUTADIENE	330	430 U	UG/KG
HEXACHLOROCYCLOPENTADIENE	330	430 U	UG/KG
HEXACHLOROETHANE	330	430 U	UG/KG
ISOPHORONE	330	430 U	UG/KG
2-METHYLNAPHTHALENE	330	430 U	UG/KG

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8270C SEMIVOLATILES
Reported: 01/03/08

ENSR International
Project Reference: CON EDISON - PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD2 (18-19)

Date Sampled : 11/29/07 15:15 **Order #:** 1059035 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/01/07 **Submission #:** R2741136 **Percent Solid:** 77.2

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 12/13/07			
DATE ANALYZED : 12/20/07			
ANALYTICAL DILUTION: 1.00			Dry Weight
4,6-DINITRO-2-METHYLPHENOL	1700	2200 U	UG/KG
4-CHLORO-3-METHYLPHENOL	330	430 U	UG/KG
2-METHYLPHENOL	330	430 U	UG/KG
4-METHYLPHENOL	330	430 U	UG/KG
NAPHTHALENE	330	430 U	UG/KG
2-NITROANILINE	1700	2200 U	UG/KG
3-NITROANILINE	1700	2200 U	UG/KG
4-NITROANILINE	1700	2200 U	UG/KG
NITROBENZENE	330	430 U	UG/KG
2-NITROPHENOL	330	430 U	UG/KG
4-NITROPHENOL	1700	2200 U	UG/KG
N-NITROSODIPHENYLAMINE	330	430 U	UG/KG
DI-N-OCTYL PHTHALATE	330	430 U	UG/KG
PENTACHLOROPHENOL	1700	2200 U	UG/KG
PHENANTHRENE	330	430 U	UG/KG
PHENOL	330	430 U	UG/KG
4-BROMOPHENYL-PHENYLETHER	330	430 U	UG/KG
4-CHLOROPHENYL-PHENYLETHER	330	430 U	UG/KG
N-NITROSO-DI-N-PROPYLAMINE	330	430 U	UG/KG
PYRENE	330	430 U	UG/KG
2,4,6-TRICHLOROPHENOL	330	430 U	UG/KG
2,4,5-TRICHLOROPHENOL	330	430 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
TERPHENYL-d14	(48 - 131 %)	71	%
NITROBENZENE-d5	(27 - 130 %)	79	%
PHENOL-d6	(10 - 133 %)	73	%
2-FLUOROBIPHENYL	(32 - 130 %)	79	%
2-FLUOROPHENOL	(10 - 130 %)	70	%
2,4,6-TRIBROMOPHENOL	(33 - 139 %)	69	%

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8270C SEMIVOLATILES
Reported: 01/03/08

ENSR International
Project Reference: CON EDISON - PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD3 (14-16)

Date Sampled : 11/29/07 13:10 **Order #:** 1059036 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/01/07 **Submission #:** R2741136 **Percent Solid:** 56.9

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 12/04/07			
DATE ANALYZED : 12/12/07			
ANALYTICAL DILUTION: 10.00			Dry Weight
ACENAPHTHENE	330	16000	UG/KG
ACENAPHTHYLENE	330	5800 U	UG/KG
ACETOPHENONE	330	5800 U	UG/KG
ANTHRACENE	330	5300 J	UG/KG
ATRAZINE	330	5800 U	UG/KG
BENZALDEHYDE	330	5800 UJ	UG/KG
BENZO(A)ANTHRACENE	330	970 J	UG/KG
BENZO(A)PYRENE	330	440 J	UG/KG
BENZO(B)FLUORANTHENE	330	5800 U	UG/KG
BENZO(G,H,I)PERYLENE	330	5800 U	UG/KG
BENZO(K)FLUORANTHENE	330	5800 U	UG/KG
1,1'-BIPHENYL	330	2800 J	UG/KG
BUTYL BENZYL PHTHALATE	330	5800 U	UG/KG
DI-N-BUTYLPHTHALATE	330	5800 U	UG/KG
CAPROLACTAM	330	5800 U	UG/KG
CARBAZOLE	330	510 J	UG/KG
INDENO(1,2,3-CD)PYRENE	330	5800 U	UG/KG
4-CHLOROANILINE	330	5800 U	UG/KG
BIS(-2-CHLOROETHOXY)METHANE	330	5800 U	UG/KG
BIS(2-CHLOROETHYL)ETHER	330	5800 U	UG/KG
2-CHLORONAPHTHALENE	330	5800 U	UG/KG
2-CHLOROPHENOL	330	5800 U	UG/KG
2,2'-OXYBIS(1-CHLOROPROPANE)	330	5800 U	UG/KG
CHRYSENE	330	980 J	UG/KG
DIBENZO(A,H)ANTHRACENE	330	5800 U	UG/KG
DIBENZOFURAN	330	790 J	UG/KG
3,3'-DICHLOROBENZIDINE	330	5800 U	UG/KG
2,4-DICHLOROPHENOL	330	5800 U	UG/KG
DIETHYLPHTHALATE	330	5800 U	UG/KG
DIMETHYL PHTHALATE	330	5800 U	UG/KG
2,4-DIMETHYLPHENOL	330	5800 U	UG/KG
2,4-DINITROPHENOL	1700	30000 UJ	UG/KG
2,4-DINITROTOLUENE	330	5800 U	UG/KG
2,6-DINITROTOLUENE	330	5800 U	UG/KG
BIS(2-ETHYLHEXYL)PHTHALATE	330	5800 U	UG/KG
FLUORANTHENE	330	3500 J	UG/KG
FLUORENE	330	6200	UG/KG
HEXACHLOROBENZENE	330	5800 U	UG/KG
HEXACHLOROBUTADIENE	330	5800 U	UG/KG
HEXACHLOROCYCLOPENTADIENE	330	5800 U	UG/KG
HEXACHLOROETHANE	330	5800 U	UG/KG
ISOPHORONE	330	5800 U	UG/KG
2-METHYLNAPHTHALENE	330	32000	UG/KG

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8270C SEMIVOLATILES
Reported: 01/03/08

ENSR International
Project Reference: CON EDISON - PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD3 (14-16)

Date Sampled : 11/29/07 13:10 **Order #:** 1059036 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/01/07 **Submission #:** R2741136 **Percent Solid:** 56.9

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 12/04/07			
DATE ANALYZED : 12/12/07			
ANALYTICAL DILUTION: 10.00			Dry Weight
4,6-DINITRO-2-METHYLPHENOL	1700	30000 U	UG/KG
4-CHLORO-3-METHYLPHENOL	330	5800 U	UG/KG
2-METHYLPHENOL	330	5800 U	UG/KG
4-METHYLPHENOL	330	5800 U	UG/KG
NAPHTHALENE	330	60000	UG/KG
2-NITROANILINE	1700	30000 U	UG/KG
3-NITROANILINE	1700	30000 U	UG/KG
4-NITROANILINE	1700	30000 U	UG/KG
NITROBENZENE	330	5800 U	UG/KG
2-NITROPHENOL	330	5800 U	UG/KG
4-NITROPHENOL	1700	30000 U	UG/KG
N-NITROSODIPHENYLAMINE	330	5800 U	UG/KG
DI-N-OCTYL PHTHALATE	330	5800 U	UG/KG
PENTACHLOROPHENOL	1700	30000 U	UG/KG
PHENANTHRENE	330	19000	UG/KG
PHENOL	330	5800 U	UG/KG
4-BROMOPHENYL-PHENYLETHER	330	5800 U	UG/KG
4-CHLOROPHENYL-PHENYLETHER	330	5800 U	UG/KG
N-NITROSO-DI-N-PROPYLAMINE	330	5800 U	UG/KG
PYRENE	330	6000	UG/KG
2,4,6-TRICHLOROPHENOL	330	5800 U	UG/KG
2,4,5-TRICHLOROPHENOL	330	5800 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
TERPHENYL-d14	(48 - 131 %)	75	%
NITROBENZENE-d5	(27 - 130 %)	58	%
PHENOL-d6	(10 - 133 %)	61	%
2-FLUOROBIPHENYL	(32 - 130 %)	67	%
2-FLUOROPHENOL	(10 - 130 %)	56	%
2,4,6-TRIBROMOPHENOL	(33 - 139 %)	45	%

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8270C SEMIVOLATILES
Reported: 01/03/08

ENSR International
Project Reference: CON EDISON - PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD3 (16-16.5)

Date Sampled : 11/29/07 13:00 **Order #:** 1059037 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/01/07 **Submission #:** R2741136 **Percent Solid:** 25.4

DATE EXTRACTED : 12/04/07
DATE ANALYZED : 12/12/07
ANALYTICAL DILUTION: 1.00

ANALYTE	PQL	RESULT	UNITS
			Dry Weight
ACENAPHTHENE	330	1100 J J	UG/KG
ACENAPHTHYLENE	330	91 J J	UG/KG
ACETOPHENONE	330	1300 U J	UG/KG
ANTHRACENE	330	430 J J	UG/KG
ATRAZINE	330	1300 U J	UG/KG
BENZALDEHYDE	330	1300 U J	UG/KG
BENZO(A)ANTHRACENE	330	260 J J	UG/KG
BENZO(A)PYRENE	330	190 J J	UG/KG
BENZO(B)FLUORANTHENE	330	1300 U J	UG/KG
BENZO(G,H,I)PERYLENE	330	1300 U J	UG/KG
BENZO(K)FLUORANTHENE	330	1300 U J	UG/KG
1,1'-BIPHENYL	330	190 J J	UG/KG
BUTYL BENZYL PHTHALATE	330	1300 U J	UG/KG
DI-N-BUTYLPHTHALATE	330	1300 U J	UG/KG
CAPROLACTAM	330	1300 U J	UG/KG
CARBAZOLE	330	1300 U J	UG/KG
INDENO(1,2,3-CD)PYRENE	330	63 J J	UG/KG
4-CHLOROANILINE	330	1300 U J	UG/KG
BIS(-2-CHLOROETHOXY)METHANE	330	1300 U J	UG/KG
BIS(2-CHLOROETHYL)ETHER	330	1300 U J	UG/KG
2-CHLORONAPHTHALENE	330	1300 U J	UG/KG
2-CHLOROPHENOL	330	1300 U J	UG/KG
2,2'-OXYBIS(1-CHLOROPROPANE)	330	1300 U J	UG/KG
CHRYSENE	330	240 J J	UG/KG
DIBENZO(A,H)ANTHRACENE	330	1300 U J	UG/KG
DIBENZOFURAN	330	1300 U J	UG/KG
3,3'-DICHLOROBENZIDINE	330	1300 U J	UG/KG
2,4-DICHLOROPHENOL	330	1300 U J	UG/KG
DIETHYLPHTHALATE	330	1300 U J	UG/KG
DIMETHYL PHTHALATE	330	1300 U J	UG/KG
2,4-DIMETHYLPHENOL	330	1300 U J	UG/KG
2,4-DINITROPHENOL	1700	6700 U J	UG/KG
2,4-DINITROTOLUENE	330	1300 U J	UG/KG
2,6-DINITROTOLUENE	330	1300 U J	UG/KG
BIS(2-ETHYLHEXYL)PHTHALATE	330	1300 U J	UG/KG
FLUORANTHENE	330	430 J J	UG/KG
FLUORENE	330	390 J J	UG/KG
HEXACHLOROBENZENE	330	1300 U J	UG/KG
HEXACHLOROBUTADIENE	330	1300 U J	UG/KG
HEXACHLOROCYCLOPENTADIENE	330	1300 U J	UG/KG
HEXACHLOROETHANE	330	1300 U J	UG/KG
ISOPHORONE	330	1300 U J	UG/KG
2-METHYLNAPHTHALENE	330	2100 J	UG/KG

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8270C SEMIVOLATILES
Reported: 01/03/08

ENSR International
Project Reference: CON EDISON - PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD3 (16-16.5)

Date Sampled : 11/29/07 13:00 **Order #:** 1059037 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/01/07 **Submission #:** R2741136 **Percent Solid:** 25.4

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 12/04/07			
DATE ANALYZED : 12/12/07			
ANALYTICAL DILUTION: 1.00			Dry Weight
4,6-DINITRO-2-METHYLPHENOL	1700	6700 U J	UG/KG
4-CHLORO-3-METHYLPHENOL	330	1300 U	UG/KG
2-METHYLPHENOL	330	1300 U	UG/KG
4-METHYLPHENOL	330	1300 U	UG/KG
NAPHTHALENE	330	3700 J	UG/KG
2-NITROANILINE	1700	6700 U J	UG/KG
3-NITROANILINE	1700	6700 U	UG/KG
4-NITROANILINE	1700	6700 U	UG/KG
NITROBENZENE	330	1300 U	UG/KG
2-NITROPHENOL	330	1300 U	UG/KG
4-NITROPHENOL	1700	6700 U	UG/KG
N-NITROSODIPHENYLAMINE	330	1300 U	UG/KG
DI-N-OCTYL PHTHALATE	330	1300 U	UG/KG
PENTACHLOROPHENOL	1700	6700 U	UG/KG
PHENANTHRENE	330	1400 J	UG/KG
PHENOL	330	1300 U J	UG/KG
4-BROMOPHENYL-PHENYLETHER	330	1300 U	UG/KG
4-CHLOROPHENYL-PHENYLETHER	330	1300 U	UG/KG
N-NITROSO-DI-N-PROPYLAMINE	330	1300 U	UG/KG
PYRENE	330	630 J J	UG/KG
2,4,6-TRICHLOROPHENOL	330	1300 U J	UG/KG
2,4,5-TRICHLOROPHENOL	330	1300 U J	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
TERPHENYL-d14	(48 - 131 %)	74	%
NITROBENZENE-d5	(27 - 130 %)	71	%
PHENOL-d6	(10 - 133 %)	68	%
2-FLUOROBIPHENYL	(32 - 130 %)	74	%
2-FLUOROPHENOL	(10 - 130 %)	57	%
2,4,6-TRIBROMOPHENOL	(33 - 139 %)	79	%

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8270C SEMIVOLATILES
Reported: 01/03/08

ENSR International
Project Reference: CON EDISON - PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD4 (0-2)

Date Sampled : 11/29/07 15:55 **Order #:** 1059038 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/01/07 **Submission #:** R2741136 **Percent Solid:** 53.7

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 12/04/07			
DATE ANALYZED : 12/12/07			
ANALYTICAL DILUTION: 3.00			Dry Weight
ACENAPHTHENE	330	12000	UG/KG
ACENAPHTHYLENE	330	2000	UG/KG
ACETOPHENONE	330	1800 U	UG/KG
ANTHRACENE	330	6000	UG/KG
ATRAZINE	330	1800 U	UG/KG
BENZALDEHYDE	330	1800 UJ	UG/KG
BENZO(A)ANTHRACENE	330	6500	UG/KG
BENZO(A)PYRENE	330	5600	UG/KG
BENZO(B)FLUORANTHENE	330	4100	UG/KG
BENZO(G,H,I)PERYLENE	330	2800	UG/KG
BENZO(K)FLUORANTHENE	330	4500	UG/KG
1,1'-BIPHENYL	330	260 J	UG/KG
BUTYL BENZYL PHTHALATE	330	1800 U	UG/KG
DI-N-BUTYLPHTHALATE	330	1800 U	UG/KG
CAPROLACTAM	330	1800 U	UG/KG
CARBAZOLE	330	190 J	UG/KG
INDENO(1,2,3-CD)PYRENE	330	2600	UG/KG
4-CHLOROANILINE	330	1800 U	UG/KG
BIS(-2-CHLOROETHOXY)METHANE	330	1800 U	UG/KG
BIS(2-CHLOROETHYL)ETHER	330	1800 U	UG/KG
2-CHLORONAPHTHALENE	330	1800 U	UG/KG
2-CHLOROPHENOL	330	1800 U	UG/KG
2,2'-OXYBIS(1-CHLOROPROPANE)	330	1800 U	UG/KG
CHRYSENE	330	6900	UG/KG
DIBENZO(A,H)ANTHRACENE	330	950 J	UG/KG
DIBENZOFURAN	330	670 J	UG/KG
3,3'-DICHLOROBENZIDINE	330	1800 U	UG/KG
2,4-DICHLOROPHENOL	330	1800 U	UG/KG
DIETHYLPHTHALATE	330	1800 U	UG/KG
DIMETHYL PHTHALATE	330	1800 U	UG/KG
2,4-DIMETHYLPHENOL	330	1800 U	UG/KG
2,4-DINITROPHENOL	1700	9500 UJ	UG/KG
2,4-DINITROTOLUENE	330	1800 U	UG/KG
2,6-DINITROTOLUENE	330	1800 U	UG/KG
BIS(2-ETHYLHEXYL)PHTHALATE	330	1800 U	UG/KG
FLUORANTHENE	330	12000	UG/KG
FLUORENE	330	5400	UG/KG
HEXACHLOROBENZENE	330	1800 U	UG/KG
HEXACHLOROBUTADIENE	330	1800 U	UG/KG
HEXACHLOROCYCLOPENTADIENE	330	1800 U	UG/KG
HEXACHLOROETHANE	330	1800 U	UG/KG
ISOPHORONE	330	1800 U	UG/KG
2-METHYLNAPHTHALENE	330	2600	UG/KG

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8270C SEMIVOLATILES
Reported: 01/03/08

ENSR International
Project Reference: CON EDISON - PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD4 (0-2)

Date Sampled : 11/29/07 15:55 **Order #:** 1059038 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/01/07 **Submission #:** R2741136 **Percent Solid:** 53.7

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 12/04/07			
DATE ANALYZED : 12/12/07			
ANALYTICAL DILUTION: 3.00			Dry Weight
4,6-DINITRO-2-METHYLPHENOL	1700	9500 U	UG/KG
4-CHLORO-3-METHYLPHENOL	330	1800 U	UG/KG
2-METHYLPHENOL	330	1800 U	UG/KG
4-METHYLPHENOL	330	130 J	UG/KG
NAPHTHALENE	330	3500	UG/KG
2-NITROANILINE	1700	9500 U	UG/KG
3-NITROANILINE	1700	9500 U	UG/KG
4-NITROANILINE	1700	9500 U	UG/KG
NITROBENZENE	330	1800 U	UG/KG
2-NITROPHENOL	330	1800 U	UG/KG
4-NITROPHENOL	1700	9500 U	UG/KG
N-NITROSODIPHENYLAMINE	330	1800 U	UG/KG
DI-N-OCTYL PHTHALATE	330	1800 U	UG/KG
PENTACHLOROPHENOL	1700	9500 U	UG/KG
PHENANTHRENE	330	18000	UG/KG
PHENOL	330	1800 U	UG/KG
4-BROMOPHENYL-PHENYLETHER	330	1800 U	UG/KG
4-CHLOROPHENYL-PHENYLETHER	330	1800 U	UG/KG
N-NITROSO-DI-N-PROPYLAMINE	330	1800 U	UG/KG
PYRENE	330	11000	UG/KG
2,4,6-TRICHLOROPHENOL	330	1800 U	UG/KG
2,4,5-TRICHLOROPHENOL	330	1800 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
TERPHENYL-d14	(48 - 131 %)	65	%
NITROBENZENE-d5	(27 - 130 %)	62	%
PHENOL-d6	(10 - 133 %)	63	%
2-FLUOROBIPHENYL	(32 - 130 %)	69	%
2-FLUOROPHENOL	(10 - 130 %)	52	%
2,4,6-TRIBROMOPHENOL	(33 - 139 %)	68	%

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8270C SEMIVOLATILES
Reported: 01/03/08

ENSR International
Project Reference: CON EDISON - PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD4 (14-15)

Date Sampled : 11/29/07 15:45 **Order #:** 1059040 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/01/07 **Submission #:** R2741136 **Percent Solid:** 77.9

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 12/04/07			
DATE ANALYZED : 12/12/07			
ANALYTICAL DILUTION: 1.00			Dry Weight
ACENAPHTHENE	330	420 U	UG/KG
ACENAPHTHYLENE	330	420 U	UG/KG
ACETOPHENONE	330	420 U	UG/KG
ANTHRACENE	330	420 U	UG/KG
ATRAZINE	330	420 U	UG/KG
BENZALDEHYDE	330	420 UJ	UG/KG
BENZO(A)ANTHRACENE	330	420 U	UG/KG
BENZO(A)PYRENE	330	420 U	UG/KG
BENZO(B)FLUORANTHENE	330	420 U	UG/KG
BENZO(G,H,I)PERYLENE	330	420 U	UG/KG
BENZO(K)FLUORANTHENE	330	420 U	UG/KG
1,1'-BIPHENYL	330	420 U	UG/KG
BUTYL BENZYL PHTHALATE	330	420 U	UG/KG
DI-N-BUTYLPHTHALATE	330	420 U	UG/KG
CAPROLACTAM	330	420 U	UG/KG
CARBAZOLE	330	420 U	UG/KG
INDENO(1,2,3-CD)PYRENE	330	420 U	UG/KG
4-CHLOROANILINE	330	420 U	UG/KG
BIS(-2-CHLOROETHOXY)METHANE	330	420 U	UG/KG
BIS(2-CHLOROETHYL)ETHER	330	420 U	UG/KG
2-CHLORONAPHTHALENE	330	420 U	UG/KG
2-CHLOROPHENOL	330	420 U	UG/KG
2,2'-OXYBIS(1-CHLOROPROPANE)	330	420 U	UG/KG
CHRYSENE	330	420 U	UG/KG
DIBENZO(A,H)ANTHRACENE	330	420 U	UG/KG
DIBENZOFURAN	330	420 U	UG/KG
3,3'-DICHLOROBENZIDINE	330	420 U	UG/KG
2,4-DICHLOROPHENOL	330	420 U	UG/KG
DIETHYLPHTHALATE	330	420 U	UG/KG
DIMETHYL PHTHALATE	330	420 U	UG/KG
2,4-DIMETHYLPHENOL	1700	2200 UJ	UG/KG
2,4-DINITROPHENOL	330	420 U	UG/KG
2,4-DINITROTOLUENE	330	420 U	UG/KG
2,6-DINITROTOLUENE	330	420 U	UG/KG
BIS(2-ETHYLHEXYL)PHTHALATE	330	420 U	UG/KG
FLUORANTHENE	330	420 U	UG/KG
FLUORENE	330	420 U	UG/KG
HEXACHLOROBENZENE	330	420 U	UG/KG
HEXACHLOROBUTADIENE	330	420 U	UG/KG
HEXACHLOROCYCLOPENTADIENE	330	420 U	UG/KG
HEXACHLOROETHANE	330	420 U	UG/KG
ISOPHORONE	330	420 U	UG/KG
2-METHYLNAPHTHALENE	330	420 U	UG/KG

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8270C SEMIVOLATILES
Reported: 01/03/08

ENSR International
Project Reference: CON EDISON - PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD4 (6-7)

Date Sampled : 11/29/07 15:50 **Order #:** 1059039 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/01/07 **Submission #:** R2741136 **Percent Solid:** 61.1

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 12/04/07			
DATE ANALYZED : 12/12/07			
ANALYTICAL DILUTION: 1.00			Dry Weight
ACENAPHTHENE	330	49 J	UG/KG
ACENAPHTHYLENE	330	540 U	UG/KG
ACETOPHENONE	330	540 U	UG/KG
ANTHRACENE	330	92 J	UG/KG
ATRAZINE	330	540 U	UG/KG
BENZALDEHYDE	330	540 UJ	UG/KG
BENZO(A)ANTHRACENE	330	140 J	UG/KG
BENZO(A)PYRENE	330	130 J	UG/KG
BENZO(B)FLUORANTHENE	330	100 J	UG/KG
BENZO(G,H,I)PERYLENE	330	79 J	UG/KG
BENZO(K)FLUORANTHENE	330	80 J	UG/KG
1,1'-BIPHENYL	330	540 U	UG/KG
BUTYL BENZYL PHTHALATE	330	540 U	UG/KG
DI-N-BUTYLPHTHALATE	330	540 U	UG/KG
CAPROLACTAM	330	540 U	UG/KG
CARBAZOLE	330	540 U	UG/KG
INDENO(1,2,3-CD)PYRENE	330	69 J	UG/KG
4-CHLOROANILINE	330	540 U	UG/KG
BIS(-2-CHLOROETHOXY)METHANE	330	540 U	UG/KG
BIS(2-CHLOROETHYL)ETHER	330	540 U	UG/KG
2-CHLORONAPHTHALENE	330	540 U	UG/KG
2-CHLOROPHENOL	330	540 U	UG/KG
2,2'-OXYBIS(1-CHLOROPROPANE)	330	540 U	UG/KG
CHRYSENE	330	140 J	UG/KG
DIBENZO(A,H)ANTHRACENE	330	540 U	UG/KG
DIBENZOFURAN	330	540 U	UG/KG
3,3'-DICHLOROBENZIDINE	330	540 U	UG/KG
2,4-DICHLOROPHENOL	330	540 U	UG/KG
DIETHYLPHTHALATE	330	540 U	UG/KG
DIMETHYL PHTHALATE	330	540 U	UG/KG
2,4-DIMETHYLPHENOL	330	540 U	UG/KG
2,4-DINITROPHENOL	1700	2800 UJ	UG/KG
2,4-DINITROTOLUENE	330	540 U	UG/KG
2,6-DINITROTOLUENE	330	540 U	UG/KG
BIS(2-ETHYLHEXYL)PHTHALATE	330	540 U	UG/KG
FLUORANTHENE	330	330 J	UG/KG
FLUORENE	330	52 J	UG/KG
HEXACHLOROBENZENE	330	540 U	UG/KG
HEXACHLOROBUTADIENE	330	540 U	UG/KG
HEXACHLOROCYCLOPENTADIENE	330	540 U	UG/KG
HEXACHLOROETHANE	330	540 U	UG/KG
ISOPHORONE	330	540 U	UG/KG
2-METHYLNAPHTHALENE	330	540 U	UG/KG

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8270C SEMIVOLATILES
Reported: 01/03/08

ENSR International
Project Reference: CON EDISON - PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD4 (6-7)

Date Sampled : 11/29/07 15:50 **Order #:** 1059039 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/01/07 **Submission #:** R2741136 **Percent Solid:** 61.1

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 12/04/07			
DATE ANALYZED : 12/12/07			
ANALYTICAL DILUTION: 1.00			Dry Weight
4,6-DINITRO-2-METHYLPHENOL	1700	2800 U	UG/KG
4-CHLORO-3-METHYLPHENOL	330	540 U	UG/KG
2-METHYLPHENOL	330	540 U	UG/KG
4-METHYLPHENOL	330	540 U	UG/KG
NAPHTHALENE	330	540 U	UG/KG
2-NITROANILINE	1700	2800 U	UG/KG
3-NITROANILINE	1700	2800 U	UG/KG
4-NITROANILINE	1700	2800 U	UG/KG
NITROBENZENE	330	540 U	UG/KG
2-NITROPHENOL	330	540 U	UG/KG
4-NITROPHENOL	1700	2800 U	UG/KG
N-NITROSODIPHENYLAMINE	330	540 U	UG/KG
DI-N-OCTYL PHTHALATE	330	540 U	UG/KG
PENTACHLOROPHENOL	1700	2800 U	UG/KG
PHENANTHRENE	330	330 J	UG/KG
PHENOL	330	540 U	UG/KG
4-BROMOPHENYL-PHENYLETHER	330	540 U	UG/KG
4-CHLOROPHENYL-PHENYLETHER	330	540 U	UG/KG
N-NITROSO-DI-N-PROPYLAMINE	330	540 U	UG/KG
PYRENE	330	280 J	UG/KG
2,4,6-TRICHLOROPHENOL	330	540 U	UG/KG
2,4,5-TRICHLOROPHENOL	330	540 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
TERPHENYL-d14	(48 - 131 %)	58	%
NITROBENZENE-d5	(27 - 130 %)	52	%
PHENOL-d6	(10 - 133 %)	54	%
2-FLUOROBIPHENYL	(32 - 130 %)	55	%
2-FLUOROPHENOL	(10 - 130 %)	48	%
2,4,6-TRIBROMOPHENOL	(33 - 139 %)	63	%

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8270C SEMIVOLATILES
Reported: 01/03/08

ENSR International
Project Reference: CON EDISON - PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD4 (14-15)

Date Sampled : 11/29/07 15:45 **Order #:** 1059040 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/01/07 **Submission #:** R2741136 **Percent Solid:** 77.9

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 12/04/07			
DATE ANALYZED : 12/12/07			
ANALYTICAL DILUTION: 1.00			Dry Weight
4,6-DINITRO-2-METHYLPHENOL	1700	2200 U	UG/KG
4-CHLORO-3-METHYLPHENOL	330	420 U	UG/KG
2-METHYLPHENOL	330	420 U	UG/KG
4-METHYLPHENOL	330	420 U	UG/KG
NAPHTHALENE	330	420 U	UG/KG
2-NITROANILINE	1700	2200 U	UG/KG
3-NITROANILINE	1700	2200 U	UG/KG
4-NITROANILINE	1700	2200 U	UG/KG
NITROBENZENE	330	420 U	UG/KG
2-NITROPHENOL	330	420 U	UG/KG
4-NITROPHENOL	1700	2200 U	UG/KG
N-NITROSODIPHENYLAMINE	330	420 U	UG/KG
DI-N-OCTYL PHTHALATE	330	420 U	UG/KG
PENTACHLOROPHENOL	1700	2200 U	UG/KG
PHENANTHRENE	330	420 U	UG/KG
PHENOL	330	420 U	UG/KG
4-BROMOPHENYL-PHENYLETHER	330	420 U	UG/KG
4-CHLOROPHENYL-PHENYLETHER	330	420 U	UG/KG
N-NITROSO-DI-N-PROPYLAMINE	330	420 U	UG/KG
PYRENE	330	420 U	UG/KG
2,4,6-TRICHLOROPHENOL	330	420 U	UG/KG
2,4,5-TRICHLOROPHENOL	330	420 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
TERPHENYL-d14	(48 - 131 %)	73	%
NITROBENZENE-d5	(27 - 130 %)	73	%
PHENOL-d6	(10 - 133 %)	73	%
2-FLUOROBIPHENYL	(32 - 130 %)	77	%
2-FLUOROPHENOL	(10 - 130 %)	66	%
2,4,6-TRIBROMOPHENOL	(33 - 139 %)	81	%

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8270C SEMIVOLATILES
Reported: 01/03/08

ENSR International
Project Reference: CON EDISON - PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD5 (0-2)

Date Sampled : 11/30/07 09:45 **Order #:** 1059041 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/01/07 **Submission #:** R2741136 **Percent Solid:** 42.2

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 12/04/07			
DATE ANALYZED : 12/12/07			
ANALYTICAL DILUTION: 3.00			Dry Weight
ACENAPHTHENE	330	2300 UJ	UG/KG
ACENAPHTHYLENE	330	330 J	UG/KG
ACETOPHENONE	330	2300 UJ	UG/KG
ANTHRACENE	330	330 J	UG/KG
ATRAZINE	330	2300 UJ	UG/KG
BENZALDEHYDE	330	2300 UJ	UG/KG
BENZO(A)ANTHRACENE	330	1000 J	UG/KG
BENZO(A)PYRENE	330	1200 J	UG/KG
BENZO(B)FLUORANTHENE	330	1100 J	UG/KG
BENZO(G,H,I)PERYLENE	330	920 J	UG/KG
BENZO(K)FLUORANTHENE	330	1000 J	UG/KG
1,1'-BIPHENYL	330	2300 UJ	UG/KG
BUTYL BENZYL PHTHALATE	330	2300 U	UG/KG
DI-N-BUTYLPHTHALATE	330	2300 U	UG/KG
CAPROLACTAM	330	2300 U	UG/KG
CARBAZOLE	330	2300 UJ	UG/KG
INDENO(1,2,3-CD)PYRENE	330	810 J	UG/KG
4-CHLOROANILINE	330	2300 UJ	UG/KG
BIS(-2-CHLOROETHOXY)METHANE	330	2300 U	UG/KG
BIS(2-CHLOROETHYL)ETHER	330	2300 U	UG/KG
2-CHLORONAPHTHALENE	330	2300 U	UG/KG
2-CHLOROPHENOL	330	2300 U	UG/KG
2,2'-OXYBIS(1-CHLOROPROPANE)	330	2300 UJ	UG/KG
CHRYSENE	330	1300 J	UG/KG
DIBENZO(A,H)ANTHRACENE	330	230 J	UG/KG
DIBENZOFURAN	330	2300 UJ	UG/KG
3,3'-DICHLOROBENZIDINE	330	2300 U	UG/KG
2,4-DICHLOROPHENOL	330	2300 U	UG/KG
DIETHYLPHTHALATE	330	2300 U	UG/KG
DIMETHYL PHTHALATE	330	2300 U	UG/KG
2,4-DIMETHYLPHENOL	330	2300 U	UG/KG
2,4-DINITROPHENOL	1700	12000 UJ	UG/KG
2,4-DINITROTOLUENE	330	2300 UJ	UG/KG
2,6-DINITROTOLUENE	330	2300 UJ	UG/KG
BIS(2-ETHYLHEXYL)PHTHALATE	330	1400 J	UG/KG
FLUORANTHENE	330	2400 J	UG/KG
FLUORENE	330	2300 UJ	UG/KG
HEXACHLOROBENZENE	330	2300 U	UG/KG
HEXACHLOROBUTADIENE	330	2300 U	UG/KG
HEXACHLOROCYCLOPENTADIENE	330	2300 U	UG/KG
HEXACHLOROETHANE	330	2300 U	UG/KG
ISOPHORONE	330	2300 U	UG/KG
2-METHYLNAPHTHALENE	330	2300 UJ	UG/KG

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8270C SEMIVOLATILES
Reported: 01/03/08

ENSR International
Project Reference: CON EDISON - PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD5 (0-2)

Date Sampled : 11/30/07 09:45 **Order #:** 1059041 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/01/07 **Submission #:** R2741136 **Percent Solid:** 42.2

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 12/04/07			
DATE ANALYZED : 12/12/07			
ANALYTICAL DILUTION: 3.00			Dry Weight
4,6-DINITRO-2-METHYLPHENOL	1700	12000 U J	UG/KG
4-CHLORO-3-METHYLPHENOL	330	2300 U	UG/KG
2-METHYLPHENOL	330	2300 U	UG/KG
4-METHYLPHENOL	330	2300 U	UG/KG
NAPHTHALENE	330	2300 U	UG/KG
2-NITROANILINE	1700	12000 U	UG/KG
3-NITROANILINE	1700	12000 U	UG/KG
4-NITROANILINE	1700	12000 U	UG/KG
NITROBENZENE	330	2300 U	UG/KG
2-NITROPHENOL	330	2300 U	UG/KG
4-NITROPHENOL	1700	12000 U	UG/KG
N-NITROSODIPHENYLAMINE	330	2300 U	UG/KG
DI-N-OCTYL PHTHALATE	330	2300 U	UG/KG
PENTACHLOROPHENOL	1700	12000 U J	UG/KG
PHENANTHRENE	330	880 J	UG/KG
PHENOL	330	2300 U J	UG/KG
4-BROMOPHENYL-PHENYLETHER	330	2300 U	UG/KG
4-CHLOROPHENYL-PHENYLETHER	330	2300 U	UG/KG
N-NITROSO-DI-N-PROPYLAMINE	330	2300 U J	UG/KG
PYRENE	330	2000 J	UG/KG
2,4,6-TRICHLOROPHENOL	330	2300 U J	UG/KG
2,4,5-TRICHLOROPHENOL	330	2300 U J	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
TERPHENYL-d14	(48 - 131 %)	69	%
NITROBENZENE-d5	(27 - 130 %)	79	%
PHENOL-d6	(10 - 133 %)	79	%
2-FLUOROBIPHENYL	(32 - 130 %)	82	%
2-FLUOROPHENOL	(10 - 130 %)	71	%
2,4,6-TRIBROMOPHENOL	(33 - 139 %)	77	%

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8270C SEMIVOLATILES
Reported: 01/03/08

ENSR International
Project Reference: CON EDISON - PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD5 (16-17)

Date Sampled : 11/30/07 09:55 **Order #:** 1059042 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/01/07 **Submission #:** R2741136 **Percent Solid:** 64.5

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 12/04/07			
DATE ANALYZED : 12/12/07			
ANALYTICAL DILUTION: 1.00			Dry Weight
ACENAPHTHENE	330	510 U	UG/KG
ACENAPHTHYLENE	330	510 U	UG/KG
ACETOPHENONE	330	510 U	UG/KG
ANTHRACENE	330	510 U	UG/KG
ATRAZINE	330	510 U	UG/KG
BENZALDEHYDE	330	510 UJ	UG/KG
BENZO(A)ANTHRACENE	330	510 U	UG/KG
BENZO(A)PYRENE	330	510 U	UG/KG
BENZO(B)FLUORANTHENE	330	510 U	UG/KG
BENZO(G,H,I)PERYLENE	330	510 U	UG/KG
BENZO(K)FLUORANTHENE	330	510 U	UG/KG
1,1'-BIPHENYL	330	510 U	UG/KG
BUTYL BENZYL PHTHALATE	330	510 U	UG/KG
DI-N-BUTYLPHTHALATE	330	510 U	UG/KG
CAPROLACTAM	330	510 U	UG/KG
CARBAZOLE	330	510 U	UG/KG
INDENO(1,2,3-CD)PYRENE	330	510 U	UG/KG
4-CHLOROANILINE	330	510 U	UG/KG
BIS(-2-CHLOROETHOXY)METHANE	330	510 U	UG/KG
BIS(2-CHLOROETHYL)ETHER	330	510 U	UG/KG
2-CHLORONAPHTHALENE	330	510 U	UG/KG
2-CHLOROPHENOL	330	510 U	UG/KG
2,2'-OXYBIS(1-CHLOROPROPANE)	330	510 U	UG/KG
CHRYSENE	330	510 U	UG/KG
DIBENZO(A,H)ANTHRACENE	330	510 U	UG/KG
DIBENZOFURAN	330	510 U	UG/KG
3,3'-DICHLOROBENZIDINE	330	510 U	UG/KG
2,4-DICHLOROPHENOL	330	510 U	UG/KG
DIETHYLPHTHALATE	330	510 U	UG/KG
DIMETHYL PHTHALATE	330	510 U	UG/KG
2,4-DIMETHYLPHENOL	1700	2600 UJ	UG/KG
2,4-DINITROPHENOL	330	510 U	UG/KG
2,4-DINITROTOLUENE	330	510 U	UG/KG
2,6-DINITROTOLUENE	330	510 U	UG/KG
BIS(2-ETHYLHEXYL)PHTHALATE	330	510 U	UG/KG
FLUORANTHENE	330	510 U	UG/KG
FLUORENE	330	510 U	UG/KG
HEXACHLOROBENZENE	330	510 U	UG/KG
HEXACHLOROBUTADIENE	330	510 U	UG/KG
HEXACHLOROCYCLOPENTADIENE	330	510 U	UG/KG
HEXACHLOROETHANE	330	510 U	UG/KG
ISOPHORONE	330	510 U	UG/KG
2-METHYLNAPHTHALENE	330	510 U	UG/KG

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8270C SEMIVOLATILES
Reported: 01/03/08

ENSR International
Project Reference: CON EDISON - PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD5 (16-17)

Date Sampled : 11/30/07 09:55 **Order #:** 1059042 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/01/07 **Submission #:** R2741136 **Percent Solid:** 64.5

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 12/04/07			
DATE ANALYZED : 12/12/07			
ANALYTICAL DILUTION: 1.00			Dry Weight
4,6-DINITRO-2-METHYLPHENOL	1700	2600 U	UG/KG
4-CHLORO-3-METHYLPHENOL	330	510 U	UG/KG
2-METHYLPHENOL	330	510 U	UG/KG
4-METHYLPHENOL	330	510 U	UG/KG
NAPHTHALENE	330	510 U	UG/KG
2-NITROANILINE	1700	2600 U	UG/KG
3-NITROANILINE	1700	2600 U	UG/KG
4-NITROANILINE	1700	2600 U	UG/KG
NITROBENZENE	330	510 U	UG/KG
2-NITROPHENOL	330	510 U	UG/KG
4-NITROPHENOL	1700	2600 U	UG/KG
N-NITROSODIPHENYLAMINE	330	510 U	UG/KG
DI-N-OCTYL PHTHALATE	330	510 U	UG/KG
PENTACHLOROPHENOL	1700	2600 U	UG/KG
PHENANTHRENE	330	510 U	UG/KG
PHENOL	330	510 U	UG/KG
4-BROMOPHENYL-PHENYLETHER	330	510 U	UG/KG
4-CHLOROPHENYL-PHENYLETHER	330	510 U	UG/KG
N-NITROSO-DI-N-PROPYLAMINE	330	510 U	UG/KG
PYRENE	330	510 U	UG/KG
2,4,6-TRICHLOROPHENOL	330	510 U	UG/KG
2,4,5-TRICHLOROPHENOL	330	510 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
TERPHENYL-d14	(48 - 131 %)	69	%
NITROBENZENE-d5	(27 - 130 %)	69	%
PHENOL-d6	(10 - 133 %)	69	%
2-FLUOROBIPHENYL	(32 - 130 %)	70	%
2-FLUOROPHENOL	(10 - 130 %)	61	%
2,4,6-TRIBROMOPHENOL	(33 - 139 %)	77	%

COLUMBIA ANALYTICAL SERVICES

Reported: 01/04/08

ENSR International
Project Reference: CON EDISON - PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD5 (0-2)

Date Sampled : 11/30/07 09:45 Order #: 1059041 Sample Matrix: SOIL/SEDIMENT
Date Received: 12/01/07 Submission #: R2741136

ANALYTE	METHOD	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
PERCENT SOLIDS	160.3M	1.00	42.2	%	12/05/07	15:45	1.0
TOTAL ORGANIC CARBON	TOC.LK	300	40200 J	MG/KG	12/07/07	11:44	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 01/04/08

ENSR International
Project Reference: CON EDISON - PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD4 (6-7)

Date Sampled : 11/29/07 15:50 Order #: 1059039 Sample Matrix: SOIL/SEDIMENT
Date Received: 12/01/07 Submission #: R2741136

ANALYTE	METHOD	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
PERCENT SOLIDS	160.3M	1.00	61.1	%	12/05/07	15:45	1.0
TOTAL ORGANIC CARBON	TOC.LK	300	16000 J	MG/KG	12/07/07	11:44	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 01/04/08

ENSR International
Project Reference: CON EDISON - PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD4 (0-2)

Date Sampled : 11/29/07 15:55 **Order #:** 1059038 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/01/07 **Submission #:** R2741136

ANALYTE	METHOD	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
PERCENT SOLIDS	160.3M	1.00	53.7	%	12/05/07	15:45	1.0
TOTAL ORGANIC CARBON	TOC.LK	300	62000 J	MG/KG	12/07/07	11:44	1.0

Validated Results - CAS SDG R2741248

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B
Reported: 01/09/08

ENSR International
Project Reference: CON EDISON - PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD6 (16-17)

Date Sampled : 11/30/07 11:30 **Order #:** 1060854 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/03/07 **Submission #:** R2741248 **Percent Solid:** 57.7

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 12/10/07			
ANALYTICAL DILUTION: 1.29			Dry Weight
ACETONE	20	120	UG/KG
BENZENE	5.0	11 U	UG/KG
BROMODICHLOROMETHANE	5.0	11 U	UG/KG
BROMOFORM	5.0	11 U	UG/KG
BROMOMETHANE	5.0	11 U	UG/KG
2-BUTANONE (MEK)	10	23	UG/KG
METHYL-TERT-BUTYL ETHER	5.0	11 U	UG/KG
CARBON DISULFIDE	10	4.5 J	UG/KG
CARBON TETRACHLORIDE	5.0	11 U	UG/KG
CHLOROBENZENE	5.0	11 U	UG/KG
CHLOROETHANE	10	22 U	UG/KG
CHLOROFORM	5.0	11 U	UG/KG
CHLOROMETHANE	5.0	0.78 J	UG/KG
1,2-DIBROMO-3-CHLOROPROPANE	5.0	11 U	UG/KG
CYCLOHEXANE	5.0	11 U	UG/KG
DIBROMOCHLOROMETHANE	5.0	11 U	UG/KG
1,2-DIBROMOETHANE	5.0	11 U	UG/KG
1,3-DICHLOROBENZENE	5.0	11 U	UG/KG
1,4-DICHLOROBENZENE	5.0	11 U	UG/KG
1,2-DICHLOROBENZENE	5.0	11 U	UG/KG
DICHLORODIFLUOROMETHANE	5.0	11 UJ	UG/KG
1,1-DICHLOROETHANE	5.0	11 U	UG/KG
1,2-DICHLOROETHANE	5.0	11 U	UG/KG
1,1-DICHLOROETHENE	5.0	11 U	UG/KG
CIS-1,2-DICHLOROETHENE	5.0	11 U	UG/KG
TRANS-1,2-DICHLOROETHENE	5.0	11 U	UG/KG
1,2-DICHLOROPROPANE	5.0	11 U	UG/KG
CIS-1,3-DICHLOROPROPENE	5.0	11 U	UG/KG
TRANS-1,3-DICHLOROPROPENE	5.0	11 U	UG/KG
ETHYLBENZENE	5.0	11 U	UG/KG
2-HEXANONE	10	22 U	UG/KG
ISOPROPYLBENZENE	5.0	0.71 J	UG/KG
METHYL ACETATE	10	2.6 J	UG/KG
METHYLCYCLOHEXANE	5.0	11 U	UG/KG
METHYLENE CHLORIDE	5.0	0.94 J	UG/KG
4-METHYL-2-PENTANONE (MIBK)	10	22 U	UG/KG
STYRENE	5.0	11 U	UG/KG
1,1,2,2-TETRACHLOROETHANE	5.0	11 U	UG/KG
TETRACHLOROETHENE	5.0	11 U	UG/KG
TOLUENE	5.0	~~2.9 JB~~ 11 U	UG/KG
1,2,4-TRICHLOROBENZENE	5.0	11 U	UG/KG
1,1,1-TRICHLOROETHANE	5.0	11 U	UG/KG
1,1,2-TRICHLOROETHANE	5.0	11 U	UG/KG
TRICHLOROETHENE	5.0	11 U	UG/KG

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B
Reported: 01/09/08

ENSR International
Project Reference: CON EDISON - PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD6 (16-17)

Date Sampled : 11/30/07 11:30 **Order #:** 1060854 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/03/07 **Submission #:** R2741248 **Percent Solid:** 57.7

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 12/10/07			
ANALYTICAL DILUTION: 1.29			Dry Weight
TRICHLOROFLUOROMETHANE	5.0	11 U	UG/KG
1,1,2-TRICHLORO1,2,2-TRIFLUOROETHA	5.0	11 U	UG/KG
VINYL CHLORIDE	5.0	11 U	UG/KG
O-XYLENE	5.0	11 U	UG/KG
M+P-XYLENE	5.0	11 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(50 - 135 %)	89	%
TOLUENE-D8	(75 - 128 %)	83	%
DIBROMOFLUOROMETHANE	(58 - 133 %)	95	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B
Reported: 01/09/08

ENSR International
Project Reference: CON EDISON - PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD100

Date Sampled : 12/05/07 **Order #:** 1060855 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/10/07 **Submission #:** R2741248 **Percent Solid:** 52.2

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 12/10/07			
ANALYTICAL DILUTION: 1.00			Dry Weight
ACETONE	20	340 J	UG/KG
BENZENE	5.0	~~480 E~~	~~UG/KG~~ do not report
BROMODICHLOROMETHANE	5.0	9.6 U	UG/KG
BROMOFORM	5.0	9.6 U	UG/KG
BROMOMETHANE	5.0	9.6 U	UG/KG
2-BUTANONE (MEK)	10	110 J	UG/KG
METHYL-TERT-BUTYL ETHER	5.0	9.6 U	UG/KG
CARBON DISULFIDE	10	5.0 J	UG/KG
CARBON TETRACHLORIDE	5.0	9.6 U	UG/KG
CHLOROBENZENE	5.0	9.6 U	UG/KG
CHLOROETHANE	10	19 U	UG/KG
CHLOROFORM	5.0	9.6 U	UG/KG
CHLOROMETHANE	5.0	9.6 U	UG/KG
1,2-DIBROMO-3-CHLOROPROPANE	5.0	9.6 UJ	UG/KG
CYCLOHEXANE	5.0	2.5 J	UG/KG
DIBROMOCHLOROMETHANE	5.0	9.6 U	UG/KG
1,2-DIBROMOETHANE	5.0	9.6 U	UG/KG
1,3-DICHLOROBENZENE	5.0	9.6 UJ	UG/KG
1,4-DICHLOROBENZENE	5.0	9.6 UJ	UG/KG
1,2-DICHLOROBENZENE	5.0	9.6 UJ	UG/KG
DICHLORODIFLUOROMETHANE	5.0	9.6 UJ	UG/KG
1,1-DICHLOROETHANE	5.0	9.6 U	UG/KG
1,2-DICHLOROETHANE	5.0	9.6 U	UG/KG
1,1-DICHLOROETHENE	5.0	9.6 U	UG/KG
CIS-1,2-DICHLOROETHENE	5.0	9.6 U	UG/KG
TRANS-1,2-DICHLOROETHENE	5.0	9.6 U	UG/KG
1,2-DICHLOROPROPANE	5.0	9.6 U	UG/KG
CIS-1,3-DICHLOROPROPENE	5.0	9.6 U	UG/KG
TRANS-1,3-DICHLOROPROPENE	5.0	9.6 U	UG/KG
ETHYLBENZENE	5.0	~~750 E~~	~~UG/KG~~ do not report
2-HEXANONE	10	19 U	UG/KG
ISOPROPYLBENZENE	5.0	~~1300 E~~	~~UG/KG~~ do not report
METHYL ACETATE	10	19 U	UG/KG
METHYLCYCLOHEXANE	5.0	11	UG/KG
METHYLENE CHLORIDE	5.0	9.6 U	UG/KG
4-METHYL-2-PENTANONE (MIBK)	10	19 U	UG/KG
STYRENE	5.0	9.6 U	UG/KG
1,1,2,2-TETRACHLOROETHANE	5.0	9.6 UJ	UG/KG
TETRACHLOROETHENE	5.0	9.6 U	UG/KG
TOLUENE	5.0	18	UG/KG
1,2,4-TRICHLOROBENZENE	5.0	9.6 UJ	UG/KG
1,1,1-TRICHLOROETHANE	5.0	9.6 U	UG/KG
1,1,2-TRICHLOROETHANE	5.0	9.6 U	UG/KG
TRICHLOROETHENE	5.0	2.3 J	UG/KG

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B
Reported: 01/09/08

ENSR International
Project Reference: CON EDISON - PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD100

Date Sampled : 12/05/07 **Order #:** 1060855 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/10/07 **Submission #:** R2741248 **Percent Solid:** 52.2

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 12/10/07			
ANALYTICAL DILUTION: 1.00			Dry Weight
TRICHLOROFLUOROMETHANE	5.0	9.6 U	UG/KG
1,1,2-TRICHLORO1,2,2-TRIFLUOROETHA	5.0	9.6 U	UG/KG
VINYL CHLORIDE	5.0	9.6 U	UG/KG
O-XYLENE	5.0	~~400 E~~	~~UG/KG~~ do not report
M+P-XYLENE	5.0	110	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(50 - 135 %)	84	%
TOLUENE-D8	(75 - 128 %)	103	%
DIBROMOFLUOROMETHANE	(58 - 133 %)	98	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B
Reported: 01/09/08

ENSR International
Project Reference: CON EDISON - PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD100

Date Sampled : 12/05/07 **Order #:** 1060855 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/10/07 **Submission #:** R2741248 **Percent Solid:** 52.2

DATE ANALYZED : 12/11/00
ANALYTICAL DILUTION: 5.00

Report only circled results

ANALYTE	PQL	RESULT	UNITS
			Dry Weight
ACETONE	20	570	UG/KG
BENZENE	5.0	420 D	UG/KG
BROMODICHLOROMETHANE	5.0	48 U	UG/KG
BROMOFORM	5.0	48 U	UG/KG
BROMOMETHANE	5.0	48 U	UG/KG
2-BUTANONE (MEK)	10	160	UG/KG
METHYL-TERT-BUTYL ETHER	5.0	48 U	UG/KG
CARBON DISULFIDE	10	9.4 J	UG/KG
CARBON TETRACHLORIDE	5.0	48 U	UG/KG
CHLOROBENZENE	5.0	48 U	UG/KG
CHLOROETHANE	10	96 U	UG/KG
CHLOROFORM	5.0	48 U	UG/KG
CHLOROMETHANE	5.0	48 U	UG/KG
1,2-DIBROMO-3-CHLOROPROPANE	5.0	48 U	UG/KG
CYCLOHEXANE	5.0	4.8 J	UG/KG
DIBROMOCHLOROMETHANE	5.0	48 U	UG/KG
1,2-DIBROMOETHANE	5.0	48 U	UG/KG
1,3-DICHLOROBENZENE	5.0	48 U	UG/KG
1,4-DICHLOROBENZENE	5.0	48 U	UG/KG
1,2-DICHLOROBENZENE	5.0	48 U	UG/KG
DICHLORODIFLUOROMETHANE	5.0	48 U	UG/KG
1,1-DICHLOROETHANE	5.0	48 U	UG/KG
1,2-DICHLOROETHANE	5.0	9.8 J	UG/KG
1,1-DICHLOROETHENE	5.0	48 U	UG/KG
CIS-1,2-DICHLOROETHENE	5.0	48 U	UG/KG
TRANS-1,2-DICHLOROETHENE	5.0	48 U	UG/KG
1,2-DICHLOROPROPANE	5.0	48 U	UG/KG
CIS-1,3-DICHLOROPROPENE	5.0	48 U	UG/KG
TRANS-1,3-DICHLOROPROPENE	5.0	48 U	UG/KG
ETHYLBENZENE	5.0	790 D J	UG/KG
2-HEXANONE	10	96 U	UG/KG
ISOPROPYLBENZENE	5.0	1900 D	UG/KG
METHYL ACETATE	10	96 U	UG/KG
METHYLCYCLOHEXANE	5.0	19 J	UG/KG
METHYLENE CHLORIDE	5.0	48 U	UG/KG
4-METHYL-2-PENTANONE (MIBK)	10	96 U	UG/KG
STYRENE	5.0	48 U	UG/KG
1,1,2,2-TETRACHLOROETHANE	5.0	48 U	UG/KG
TETRACHLOROETHENE	5.0	48 U	UG/KG
TOLUENE	5.0	19 J	UG/KG
1,2,4-TRICHLOROBENZENE	5.0	48 U	UG/KG
1,1,1-TRICHLOROETHANE	5.0	48 U	UG/KG
1,1,2-TRICHLOROETHANE	5.0	48 U	UG/KG
TRICHLOROETHENE	5.0	48 U	UG/KG

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B
Reported: 01/09/08

ENSR International
Project Reference: CON EDISON - PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD100

Date Sampled : 12/05/07 **Order #:** 1060855 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/10/07 **Submission #:** R2741248 **Percent Solid:** 52.2

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 12/11/00			
ANALYTICAL DILUTION: 5.00			Dry Weight
TRICHLOROFLUOROMETHANE	5.0	48 U	UG/KG
1,1,2-TRICHLORO1,2,2-TRIFLUOROETHA	5.0	48 U	UG/KG
VINYL CHLORIDE	5.0	48 U	UG/KG
O-XYLENE	5.0	460 D	UG/KG
M+P-XYLENE	5.0	140	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(50 - 135 %)	82	%
TOLUENE-D8	(75 - 128 %)	90	%
DIBROMOFLUOROMETHANE	(58 - 133 %)	92	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B
Reported: 01/09/08

ENSR International
Project Reference: CON EDISON - PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD101

Date Sampled : 12/05/07 Order #: 1060856 Sample Matrix: SOIL/SEDIMENT
Date Received: 12/10/07 Submission #: R2741248 Percent Solid: 74.1

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 12/11/07			
ANALYTICAL DILUTION: 1.00			Dry Weight
ACETONE	20	7.8 J	UG/KG
BENZENE	5.0	6.7 U	UG/KG
BROMODICHLOROMETHANE	5.0	6.7 U	UG/KG
BROMOFORM	5.0	6.7 U	UG/KG
BROMOMETHANE	5.0	6.7 U	UG/KG
2-BUTANONE (MEK)	10	13 U	UG/KG
METHYL-TERT-BUTYL ETHER	5.0	6.7 U	UG/KG
CARBON DISULFIDE	10	13 U	UG/KG
CARBON TETRACHLORIDE	5.0	6.7 U	UG/KG
CHLOROBENZENE	5.0	6.7 U	UG/KG
CHLOROETHANE	10	13 U	UG/KG
CHLOROFORM	5.0	6.7 U	UG/KG
CHLOROMETHANE	5.0	6.7 U	UG/KG
1,2-DIBROMO-3-CHLOROPROPANE	5.0	6.7 U	UG/KG
CYCLOHEXANE	5.0	6.7 U	UG/KG
DIBROMOCHLOROMETHANE	5.0	6.7 U	UG/KG
1,2-DIBROMOETHANE	5.0	6.7 U	UG/KG
1,3-DICHLOROBENZENE	5.0	6.7 U	UG/KG
1,4-DICHLOROBENZENE	5.0	6.7 U	UG/KG
1,2-DICHLOROBENZENE	5.0	6.7 U	UG/KG
DICHLORODIFLUOROMETHANE	5.0	6.7 UJ	UG/KG
1,1-DICHLOROETHANE	5.0	6.7 U	UG/KG
1,2-DICHLOROETHANE	5.0	6.7 U	UG/KG
1,1-DICHLOROETHENE	5.0	6.7 U	UG/KG
CIS-1,2-DICHLOROETHENE	5.0	7.8 J	UG/KG
TRANS-1,2-DICHLOROETHENE	5.0	6.7 U	UG/KG
1,2-DICHLOROPROPANE	5.0	6.7 U	UG/KG
CIS-1,3-DICHLOROPROPENE	5.0	6.7 U	UG/KG
TRANS-1,3-DICHLOROPROPENE	5.0	6.7 U	UG/KG
ETHYLBENZENE	5.0	6.7 U	UG/KG
2-HEXANONE	10	13 U	UG/KG
ISOPROPYLBENZENE	5.0	6.7 U	UG/KG
METHYL ACETATE	10	13 U	UG/KG
METHYLCYCLOHEXANE	5.0	6.7 U	UG/KG
METHYLENE CHLORIDE	5.0	0.61 J	UG/KG
4-METHYL-2-PENTANONE (MIBK)	10	13 U	UG/KG
STYRENE	5.0	6.7 U	UG/KG
1,1,2,2-TETRACHLOROETHANE	5.0	6.7 U	UG/KG
TETRACHLOROETHENE	5.0	6.7 U	UG/KG
TOLUENE	5.0	6.7 U	UG/KG
1,2,4-TRICHLOROBENZENE	5.0	6.7 U	UG/KG
1,1,1-TRICHLOROETHANE	5.0	6.7 U	UG/KG
1,1,2-TRICHLOROETHANE	5.0	6.7 U	UG/KG
TRICHLOROETHENE	5.0	2.3 J	UG/KG

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B
Reported: 01/09/08

ENSR International
Project Reference: CON EDISON - PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD101

Date Sampled : 12/05/07 **Order #:** 1060856 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/10/07 **Submission #:** R2741248 **Percent Solid:** 74.1

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 12/11/07			
ANALYTICAL DILUTION: 1.00			Dry Weight
TRICHLOROFLUOROMETHANE	5.0	6.7 U	UG/KG
1,1,2-TRICHLORO1,2,2-TRIFLUOROETHA	5.0	6.7 U	UG/KG
VINYL CHLORIDE	5.0	6.7 U	UG/KG
O-XYLENE	5.0	6.7 U	UG/KG
M+P-XYLENE	5.0	6.7 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(50 - 135 %)	90	%
TOLUENE-D8	(75 - 128 %)	86	%
DIBROMOFLUOROMETHANE	(58 - 133 %)	90	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B
Reported: 01/09/08

ENSR International
Project Reference: CON EDISON - PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD102

Date Sampled : 12/06/07 **Order #:** 1060857 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/10/07 **Submission #:** R2741248 **Percent Solid:** 49.1

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 12/10/07			
ANALYTICAL DILUTION: 1.00			Dry Weight
ACETONE	20	88 J	UG/KG
BENZENE	5.0	1.2 J	UG/KG
BROMODICHLOROMETHANE	5.0	10 U	UG/KG
BROMOFORM	5.0	10 U	UG/KG
BROMOMETHANE	5.0	10 U	UG/KG
2-BUTANONE (MEK)	10	20 J	UG/KG
METHYL-TERT-BUTYL ETHER	5.0	10 U	UG/KG
CARBON DISULFIDE	10	3.7 J	UG/KG
CARBON TETRACHLORIDE	5.0	10 U	UG/KG
CHLOROBENZENE	5.0	10 U	UG/KG
CHLOROETHANE	10	20 U	UG/KG
CHLOROFORM	5.0	10 U	UG/KG
CHLOROMETHANE	5.0	10 U	UG/KG
1,2-DIBROMO-3-CHLOROPROPANE	5.0	10 U	UG/KG
CYCLOHEXANE	5.0	1.00 J	UG/KG
DIBROMOCHLOROMETHANE	5.0	10 U	UG/KG
1,2-DIBROMOETHANE	5.0	10 U	UG/KG
1,3-DICHLOROBENZENE	5.0	10 U	UG/KG
1,4-DICHLOROBENZENE	5.0	10 U	UG/KG
1,2-DICHLOROBENZENE	5.0	10 U	UG/KG
DICHLORODIFLUOROMETHANE	5.0	10 U	UG/KG
1,1-DICHLOROETHANE	5.0	10 U	UG/KG
1,2-DICHLOROETHANE	5.0	10 U	UG/KG
1,1-DICHLOROETHENE	5.0	10 U	UG/KG
CIS-1,2-DICHLOROETHENE	5.0	12 J	UG/KG
TRANS-1,2-DICHLOROETHENE	5.0	10 U	UG/KG
1,2-DICHLOROPROPANE	5.0	10 U	UG/KG
CIS-1,3-DICHLOROPROPENE	5.0	10 U	UG/KG
TRANS-1,3-DICHLOROPROPENE	5.0	10 U	UG/KG
ETHYLBENZENE	5.0	1.9 J	UG/KG
2-HEXANONE	10	20 U	UG/KG
ISOPROPYLBENZENE	5.0	100 J	UG/KG
METHYL ACETATE	10	20 U	UG/KG
METHYLCYCLOHEXANE	5.0	3.3 J	UG/KG
METHYLENE CHLORIDE	5.0	1.1 J	UG/KG
4-METHYL-2-PENTANONE (MIBK)	10	20 U	UG/KG
STYRENE	5.0	10 U	UG/KG
1,1,2,2-TETRACHLOROETHANE	5.0	10 U	UG/KG
TETRACHLOROETHENE	5.0	10 U	UG/KG
TOLUENE	5.0	~~3.3 JB~~ 10 U J	UG/KG
1,2,4-TRICHLOROBENZENE	5.0	10 U	UG/KG
1,1,1-TRICHLOROETHANE	5.0	10 U	UG/KG
1,1,2-TRICHLOROETHANE	5.0	10 U	UG/KG
TRICHLOROETHENE	5.0	96 J	UG/KG

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B
Reported: 01/09/08

ENSR International
Project Reference: CON EDISON - PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD102

Date Sampled : 12/06/07 **Order #:** 1060857 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/10/07 **Submission #:** R2741248 **Percent Solid:** 49.1

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 12/10/07			
ANALYTICAL DILUTION: 1.00			Dry Weight
TRICHLOROFLUOROMETHANE	5.0	10 UJ	UG/KG
1,1,2-TRICHLORO1,2,2-TRIFLUOROETHA	5.0	10 UJ	UG/KG
VINYL CHLORIDE	5.0	10 UJ	UG/KG
O-XYLENE	5.0	4.1 J	UG/KG
M+P-XYLENE	5.0	9.6 J	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(50 - 135 %)	83	%
TOLUENE-D8	(75 - 128 %)	93	%
DIBROMOFLUOROMETHANE	(58 - 133 %)	93	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B
Reported: 01/09/08

ENSR International
Project Reference: CON EDISON - PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD16 (0-2)

Date Sampled : 12/06/07 14:25 **Order #:** 1060858 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/10/07 **Submission #:** R2741248 **Percent Solid:** 48.2

ANALYTE	PQL		RESULT	UNITS
DATE ANALYZED : 12/11/07				
ANALYTICAL DILUTION: 5.00				Dry Weight
ACETONE	20		500 J	UG/KG
BENZENE	5.0		4.6 J	UG/KG
BROMODICHLOROMETHANE	5.0		52 UJ	UG/KG
BROMOFORM	5.0		52 U	UG/KG
BROMOMETHANE	5.0		52 U	UG/KG
2-BUTANONE (MEK)	10		120 J	UG/KG
METHYL-TERT-BUTYL ETHER	5.0		52 UJ	UG/KG
CARBON DISULFIDE	10		18 J	UG/KG
CARBON TETRACHLORIDE	5.0		52 UJ	UG/KG
CHLOROBENZENE	5.0		52 U	UG/KG
CHLOROETHANE	10		100 U	UG/KG
CHLOROFORM	5.0		52 U	UG/KG
CHLOROMETHANE	5.0		52 U	UG/KG
1,2-DIBROMO-3-CHLOROPROPANE	5.0		52 U	UG/KG
CYCLOHEXANE	5.0		52 U	UG/KG
DIBROMOCHLOROMETHANE	5.0		52 U	UG/KG
1,2-DIBROMOETHANE	5.0		52 U	UG/KG
1,3-DICHLOROBENZENE	5.0		52 U	UG/KG
1,4-DICHLOROBENZENE	5.0		52 U	UG/KG
1,2-DICHLOROBENZENE	5.0		52 U	UG/KG
DICHLORODIFLUOROMETHANE	5.0		52 UJ	UG/KG
1,1-DICHLOROETHANE	5.0		52 UJ	UG/KG
1,2-DICHLOROETHANE	5.0		52 U	UG/KG
1,1-DICHLOROETHENE	5.0		52 U	UG/KG
CIS-1,2-DICHLOROETHENE	5.0		52 U	UG/KG
TRANS-1,2-DICHLOROETHENE	5.0		52 U	UG/KG
1,2-DICHLOROPROPANE	5.0		52 U	UG/KG
CIS-1,3-DICHLOROPROPENE	5.0		52 U	UG/KG
TRANS-1,3-DICHLOROPROPENE	5.0		52 U	UG/KG
ETHYLBENZENE	5.0		4.6 J	UG/KG
2-HEXANONE	10		100 UJ	UG/KG
ISOPROPYLBENZENE	5.0		95 J	UG/KG
METHYL ACETATE	10		100 UJ	UG/KG
METHYLCYCLOHEXANE	5.0		11 J	UG/KG
METHYLENE CHLORIDE	5.0		5.0 J	UG/KG
4-METHYL-2-PENTANONE (MIBK)	10		100 UJ	UG/KG
STYRENE	5.0		52 U	UG/KG
1,1,2,2-TETRACHLOROETHANE	5.0		52 U	UG/KG
TETRACHLOROETHENE	5.0		52 U	UG/KG
TOLUENE	5.0	Keep	~~14 J~~ 52U	UG/KG
1,2,4-TRICHLOROBENZENE	5.0		52 UJ	UG/KG
1,1,1-TRICHLOROETHANE	5.0		52 U	UG/KG
1,1,2-TRICHLOROETHANE	5.0		52 U	UG/KG
TRICHLOROETHENE	5.0		52 U	UG/KG

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COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B
Reported: 01/09/08

ENSR International
Project Reference: CON EDISON - PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD16 (0-2)

Date Sampled : 12/06/07 14:25 **Order #:** 1060858 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/10/07 **Submission #:** R2741248 **Percent Solid:** 48.2

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 12/11/07			
ANALYTICAL DILUTION: 5.00			Dry Weight
TRICHLOROFLUOROMETHANE	5.0	52 UJ	UG/KG
1,1,2-TRICHLORO1,2,2-TRIFLUOROETHA	5.0	52 UJ	UG/KG
VINYL CHLORIDE	5.0	52 UJ	UG/KG
O-XYLENE	5.0	7.1 JJ	UG/KG
M+P-XYLENE	5.0	13 JJ	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(50 - 135 %)	89	%
TOLUENE-D8	(75 - 128 %)	85	%
DIBROMOFLUOROMETHANE	(58 - 133 %)	88	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B
Reported: 01/09/08

ENSR International
Project Reference: CON EDISON - PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD16 (4-5)

Date Sampled : 12/06/07 14:40 **Order #:** 1060859 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/10/07 **Submission #:** R2741248 **Percent Solid:** 72.0

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 12/11/07			
ANALYTICAL DILUTION: 1.00			Dry Weight
ACETONE	20	6.7 J	UG/KG
BENZENE	5.0	0.46 J	UG/KG
BROMODICHLOROMETHANE	5.0	6.9 U	UG/KG
BROMOFORM	5.0	6.9 U	UG/KG
BROMOMETHANE	5.0	6.9 U	UG/KG
2-BUTANONE (MEK)	10	14 U	UG/KG
METHYL-TERT-BUTYL ETHER	5.0	6.9 U	UG/KG
CARBON DISULFIDE	10	0.58 J	UG/KG
CARBON TETRACHLORIDE	5.0	6.9 U	UG/KG
CHLOROBENZENE	5.0	6.9 U	UG/KG
CHLOROETHANE	10	14 U	UG/KG
CHLOROFORM	5.0	6.9 U	UG/KG
CHLOROMETHANE	5.0	6.9 U	UG/KG
1,2-DIBROMO-3-CHLOROPROPANE	5.0	6.9 U	UG/KG
CYCLOHEXANE	5.0	6.9 U	UG/KG
DIBROMOCHLOROMETHANE	5.0	6.9 U	UG/KG
1,2-DIBROMOETHANE	5.0	6.9 U	UG/KG
1,3-DICHLOROBENZENE	5.0	6.9 U	UG/KG
1,4-DICHLOROBENZENE	5.0	6.9 U	UG/KG
1,2-DICHLOROBENZENE	5.0	6.9 U	UG/KG
DICHLORODIFLUOROMETHANE	5.0	6.9 UJ	UG/KG
1,1-DICHLOROETHANE	5.0	6.9 U	UG/KG
1,2-DICHLOROETHANE	5.0	6.9 U	UG/KG
1,1-DICHLOROETHENE	5.0	6.9 U	UG/KG
CIS-1,2-DICHLOROETHENE	5.0	17	UG/KG
TRANS-1,2-DICHLOROETHENE	5.0	6.9 U	UG/KG
1,2-DICHLOROPROPANE	5.0	6.9 U	UG/KG
CIS-1,3-DICHLOROPROPENE	5.0	6.9 U	UG/KG
TRANS-1,3-DICHLOROPROPENE	5.0	6.9 U	UG/KG
ETHYLBENZENE	5.0	6.9 U	UG/KG
2-HEXANONE	10	14 U	UG/KG
ISOPROPYLBENZENE	5.0	6.9 U	UG/KG
METHYL ACETATE	10	14 U	UG/KG
METHYLCYCLOHEXANE	5.0	6.9 U	UG/KG
METHYLENE CHLORIDE	5.0	0.71 J	UG/KG
4-METHYL-2-PENTANONE (MIBK)	10	14 U	UG/KG
STYRENE	5.0	6.9 U	UG/KG
1,1,2,2-TETRACHLOROETHANE	5.0	6.9 U	UG/KG
TETRACHLOROETHENE	5.0	6.9 U	UG/KG
TOLUENE	5.0	6.9 U	UG/KG
1,2,4-TRICHLOROBENZENE	5.0	6.9 U	UG/KG
1,1,1-TRICHLOROETHANE	5.0	6.9 U	UG/KG
1,1,2-TRICHLOROETHANE	5.0	6.9 U	UG/KG
TRICHLOROETHENE	5.0	18	UG/KG

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B
Reported: 01/09/08

ENSR International
Project Reference: CON EDISON - PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD16 (4-5)

Date Sampled : 12/06/07 14:40 **Order #:** 1060859 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/10/07 **Submission #:** R2741248 **Percent Solid:** 72.0

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 12/11/07			
ANALYTICAL DILUTION: 1.00			Dry Weight
TRICHLOROFLUOROMETHANE	5.0	6.9 U	UG/KG
1,1,2-TRICHLORO1,2,2-TRIFLUOROETHA	5.0	6.9 UJ	UG/KG
VINYL CHLORIDE	5.0	1.5 J	UG/KG
O-XYLENE	5.0	6.9 U	UG/KG
M+P-XYLENE	5.0	6.9 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(50 - 135 %)	91	%
TOLUENE-D8	(75 - 128 %)	81	%
DIBROMOFLUOROMETHANE	(58 - 133 %)	89	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B
Reported: 01/09/08

ENSR International
Project Reference: CON EDISON - PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD17 (0-2)

Date Sampled : 12/06/07 15:25 Order #: 1060860 Sample Matrix: SOIL/SEDIMENT
Date Received: 12/10/07 Submission #: R2741248 Percent Solid: 50.9

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 12/11/07			
ANALYTICAL DILUTION: 5.00			Dry Weight
ACETONE	20	170 J	UG/KG
BENZENE	5.0	49 U	UG/KG
BROMODICHLOROMETHANE	5.0	49 U	UG/KG
BROMOFORM	5.0	49 U	UG/KG
BROMOMETHANE	5.0	49 U	UG/KG
2-BUTANONE (MEK)	10	39 J	UG/KG
METHYL-TERT-BUTYL ETHER	5.0	49 U	UG/KG
CARBON DISULFIDE	10	9.2 J	UG/KG
CARBON TETRACHLORIDE	5.0	49 U	UG/KG
CHLOROBENZENE	5.0	49 U	UG/KG
CHLOROETHANE	10	98 U	UG/KG
CHLOROFORM	5.0	49 U	UG/KG
CHLOROMETHANE	5.0	49 U	UG/KG
1,2-DIBROMO-3-CHLOROPROPANE	5.0	49 U	UG/KG
CYCLOHEXANE	5.0	49 U	UG/KG
DIBROMOCHLOROMETHANE	5.0	49 U	UG/KG
1,2-DIBROMOETHANE	5.0	49 U	UG/KG
1,3-DICHLOROBENZENE	5.0	49 U	UG/KG
1,4-DICHLOROBENZENE	5.0	49 U	UG/KG
1,2-DICHLOROBENZENE	5.0	49 U	UG/KG
DICHLORODIFLUOROMETHANE	5.0	49 UJ	UG/KG
1,1-DICHLOROETHANE	5.0	49 U	UG/KG
1,2-DICHLOROETHANE	5.0	49 U	UG/KG
1,1-DICHLOROETHENE	5.0	49 U	UG/KG
CIS-1,2-DICHLOROETHENE	5.0	49 U	UG/KG
TRANS-1,2-DICHLOROETHENE	5.0	49 U	UG/KG
1,2-DICHLOROPROPANE	5.0	49 U	UG/KG
CIS-1,3-DICHLOROPROPENE	5.0	49 U	UG/KG
TRANS-1,3-DICHLOROPROPENE	5.0	49 U	UG/KG
ETHYLBENZENE	5.0	49 U	UG/KG
2-HEXANONE	10	98 U	UG/KG
ISOPROPYLBENZENE	5.0	200 J	UG/KG
METHYL ACETATE	10	98 U	UG/KG
METHYLCYCLOHEXANE	5.0	11 J	UG/KG
METHYLENE CHLORIDE	5.0	4.3 J	UG/KG
4-METHYL-2-PENTANONE (MIBK)	10	98 U	UG/KG
STYRENE	5.0	49 U	UG/KG
1,1,2,2-TETRACHLOROETHANE	5.0	49 U	UG/KG
TETRACHLOROETHENE	5.0	49 U	UG/KG
TOLUENE	5.0	4.7 J	UG/KG
1,2,4-TRICHLOROBENZENE	5.0	49 U	UG/KG
1,1,1-TRICHLOROETHANE	5.0	49 U	UG/KG
1,1,2-TRICHLOROETHANE	5.0	49 U	UG/KG
TRICHLOROETHENE	5.0	49 UJ	UG/KG

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B
Reported: 01/09/08

ENSR International
Project Reference: CON EDISON - PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD17 (0-2)

Date Sampled : 12/06/07 15:25 **Order #:** 1060860 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/10/07 **Submission #:** R2741248 **Percent Solid:** 50.9

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 12/11/07			
ANALYTICAL DILUTION: 5.00			Dry Weight
TRICHLOROFLUOROMETHANE	5.0	49 U	UG/KG
1,1,2-TRICHLORO1,2,2-TRIFLUOROETHA	5.0	49 UJ	UG/KG
VINYL CHLORIDE	5.0	49 U	UG/KG
O-XYLENE	5.0	49 U	UG/KG
M+P-XYLENE	5.0	19 J	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(50 - 135 %)	88	%
TOLUENE-D8	(75 - 128 %)	87	%
DIBROMOFLUOROMETHANE	(58 - 133 %)	91	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B
Reported: 01/09/08

ENSR International
Project Reference: CON EDISON - PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD17 (4-5)

Date Sampled : 12/06/07 15:55 **Order #:** 1060861 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/10/07 **Submission #:** R2741248 **Percent Solid:** 72.7

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 12/11/07			
ANALYTICAL DILUTION: 2.00			Dry Weight
ACETONE	20	18 J	UG/KG
BENZENE	5.0	5.0 J	UG/KG
BROMODICHLOROMETHANE	5.0	14 U	UG/KG
BROMOFORM	5.0	14 U	UG/KG
BROMOMETHANE	5.0	14 U	UG/KG
2-BUTANONE (MEK)	10	28 U	UG/KG
METHYL-TERT-BUTYL ETHER	5.0	14 U	UG/KG
CARBON DISULFIDE	10	2.1 J	UG/KG
CARBON TETRACHLORIDE	5.0	14 U	UG/KG
CHLOROBENZENE	5.0	14 U	UG/KG
CHLOROETHANE	10	28 U	UG/KG
CHLOROFORM	5.0	14 U	UG/KG
CHLOROMETHANE	5.0	14 U	UG/KG
1,2-DIBROMO-3-CHLOROPROPANE	5.0	14 U	UG/KG
CYCLOHEXANE	5.0	14 U	UG/KG
DIBROMOCHLOROMETHANE	5.0	14 U	UG/KG
1,2-DIBROMOETHANE	5.0	14 U	UG/KG
1,3-DICHLOROBENZENE	5.0	14 U	UG/KG
1,4-DICHLOROBENZENE	5.0	14 U	UG/KG
1,2-DICHLOROBENZENE	5.0	14 U	UG/KG
DICHLORODIFLUOROMETHANE	5.0	14 U J	UG/KG
1,1-DICHLOROETHANE	5.0	14 U	UG/KG
1,2-DICHLOROETHANE	5.0	14 U	UG/KG
1,1-DICHLOROETHENE	5.0	9.1 J	UG/KG
CIS-1,2-DICHLOROETHENE	5.0	210	UG/KG
TRANS-1,2-DICHLOROETHENE	5.0	1.8 J	UG/KG
1,2-DICHLOROPROPANE	5.0	14 U	UG/KG
CIS-1,3-DICHLOROPROPENE	5.0	14 U	UG/KG
TRANS-1,3-DICHLOROPROPENE	5.0	14 U	UG/KG
ETHYLBENZENE	5.0	14 U	UG/KG
2-HEXANONE	10	28 U	UG/KG
ISOPROPYLBENZENE	5.0	14 U	UG/KG
METHYL ACETATE	10	28 U	UG/KG
METHYLCYCLOHEXANE	5.0	14 U	UG/KG
METHYLENE CHLORIDE	5.0	1.5 J	UG/KG
4-METHYL-2-PENTANONE (MIBK)	10	28 U	UG/KG
STYRENE	5.0	14 U	UG/KG
1,1,2,2-TETRACHLOROETHANE	5.0	14 U	UG/KG
TETRACHLOROETHENE	5.0	14 U	UG/KG
TOLUENE	5.0	2.5 J	UG/KG
1,2,4-TRICHLOROBENZENE	5.0	14 U	UG/KG
1,1,1-TRICHLOROETHANE	5.0	14 U	UG/KG
1,1,2-TRICHLOROETHANE	5.0	14 U	UG/KG
TRICHLOROETHENE	5.0	1200 E	UG/KG

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COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B
Reported: 01/09/08

ENSR International
Project Reference: CON EDISON - PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD17 (4-5)

Date Sampled : 12/06/07 15:55 **Order #:** 1060861 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/10/07 **Submission #:** R2741248 **Percent Solid:** 72.7

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 12/11/07			
ANALYTICAL DILUTION: 2.00			Dry Weight
TRICHLOROFLUOROMETHANE	5.0	14 U	UG/KG
1,1,2-TRICHLORO1,2,2-TRIFLUOROETHA	5.0	14 UJ	UG/KG
VINYL CHLORIDE	5.0	11 J	UG/KG
O-XYLENE	5.0	14 U	UG/KG
M+P-XYLENE	5.0	14 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(50 - 135 %)	88	%
TOLUENE-D8	(75 - 128 %)	89	%
DIBROMOFLUOROMETHANE	(58 - 133 %)	93	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B
Reported: 01/10/08

ENSR International
Project Reference: CON EDISON - PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD17 (4-5)

Date Sampled : 12/06/07 15:55 **Order #:** 1060861 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/10/07 **Submission #:** R2741248 **Percent Solid:** 72.7

DATE ANALYZED : 01/09/08
ANALYTICAL DILUTION: 125.00

ANALYTE	PQL	RESULT	UNITS
			Dry Weight
ACETONE	20	3400 U	UG/KG
BENZENE	5.0	860 U	UG/KG
BROMODICHLOROMETHANE	5.0	860 U	UG/KG
BROMOFORM	5.0	860 U	UG/KG
BROMOMETHANE	5.0	860 U	UG/KG
2-BUTANONE (MEK)	10	230 JB	UG/KG
METHYL-TERT-BUTYL ETHER	5.0	860 U	UG/KG
CARBON DISULFIDE	10	1700 U	UG/KG
CARBON TETRACHLORIDE	5.0	860 U	UG/KG
CHLOROBENZENE	5.0	860 U	UG/KG
CHLOROETHANE	10	1700 U	UG/KG
CHLOROFORM	5.0	860 U	UG/KG
CHLOROMETHANE	5.0	860 U	UG/KG
1,2-DIBROMO-3-CHLOROPROPANE	5.0	860 U	UG/KG
CYCLOHEXANE	5.0	860 U	UG/KG
DIBROMOCHLOROMETHANE	5.0	860 U	UG/KG
1,2-DIBROMOETHANE	5.0	860 U	UG/KG
1,3-DICHLOROBENZENE	5.0	860 U	UG/KG
1,4-DICHLOROBENZENE	5.0	860 U	UG/KG
1,2-DICHLOROBENZENE	5.0	860 U	UG/KG
DICHLORODIFLUOROMETHANE	5.0	860 U	UG/KG
1,1-DICHLOROETHANE	5.0	860 U	UG/KG
1,2-DICHLOROETHANE	5.0	860 U	UG/KG
1,1-DICHLOROETHENE	5.0	860 U	UG/KG
CIS-1,2-DICHLOROETHENE	5.0	560 J	UG/KG
TRANS-1,2-DICHLOROETHENE	5.0	860 U	UG/KG
1,2-DICHLOROPROPANE	5.0	860 U	UG/KG
CIS-1,3-DICHLOROPROPENE	5.0	860 U	UG/KG
TRANS-1,3-DICHLOROPROPENE	5.0	860 U	UG/KG
ETHYLBENZENE	5.0	860 U	UG/KG
2-HEXANONE	10	1700 U	UG/KG
ISOPROPYLBENZENE	5.0	860 U	UG/KG
METHYL ACETATE	10	1700 U	UG/KG
METHYLCYCLOHEXANE	5.0	860 U	UG/KG
METHYLENE CHLORIDE	5.0	860 U	UG/KG
4-METHYL-2-PENTANONE (MIBK)	10	1700 U	UG/KG
STYRENE	5.0	860 U	UG/KG
1,1,2,2-TETRACHLOROETHANE	5.0	860 U	UG/KG
TETRACHLOROETHENE	5.0	860 U	UG/KG
TOLUENE	5.0	860 U	UG/KG
1,2,4-TRICHLOROBENZENE	5.0	860 U	UG/KG
1,1,1-TRICHLOROETHANE	5.0	860 U	UG/KG
1,1,2-TRICHLOROETHANE	5.0	860 U	UG/KG
TRICHLOROETHENE - REPORT THIS RESULT ONLY	5.0	5800 D	UG/KG

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B
Reported: 01/10/08

ENSR International
Project Reference: CON EDISON - PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD17 (4-5)

Date Sampled : 12/06/07 15:55 **Order #:** 1060861 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/10/07 **Submission #:** R2741248 **Percent Solid:** 72.7

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 01/09/08			
ANALYTICAL DILUTION: 125.00			Dry Weight
TRICHLOROFLUOROMETHANE	5.0	860 U	UG/KG
1,1,2-TRICHLORO1,2,2-TRIFLUOROETHA	5.0	860 U	UG/KG
VINYL CHLORIDE	5.0	860 U	UG/KG
O-XYLENE	5.0	860 U	UG/KG
M+P-XYLENE	5.0	860 U	UG/KG
SURROGATE RECOVERIES	**QC LIMITS**		
4-BROMOFLUOROBENZENE	(50 - 135 %)	104	%
TOLUENE-D8	(75 - 128 %)	90	%
DIBROMOFLUOROMETHANE	(58 - 133 %)	95	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B
Reported: 01/09/08

ENSR International
Project Reference: CON EDISON - PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD18 (0-2)

Date Sampled : 12/07/07 09:20 **Order #:** 1060862 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/10/07 **Submission #:** R2741248 **Percent Solid:** 42.4

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 12/12/07			
ANALYTICAL DILUTION: 2.00			Dry Weight
ACETONE	20	380 J	UG/KG
BENZENE	5.0	20 J	UG/KG
BROMODICHLOROMETHANE	5.0	24 U	UG/KG
BROMOFORM	5.0	24 U	UG/KG
BROMOMETHANE	5.0	24 U	UG/KG
2-BUTANONE (MEK)	10	99 J	UG/KG
METHYL-TERT-BUTYL ETHER	5.0	24 U	UG/KG
CARBON DISULFIDE	10	2.8 J	UG/KG
CARBON TETRACHLORIDE	5.0	24 U	UG/KG
CHLOROBENZENE	5.0	24 U	UG/KG
CHLOROETHANE	10	47 U	UG/KG
CHLOROFORM	5.0	24 U	UG/KG
CHLOROMETHANE	5.0	24 U	UG/KG
1,2-DIBROMO-3-CHLOROPROPANE	5.0	24 U	UG/KG
CYCLOHEXANE	5.0	83 J	UG/KG
DIBROMOCHLOROMETHANE	5.0	24 U	UG/KG
1,2-DIBROMOETHANE	5.0	24 U	UG/KG
1,3-DICHLOROBENZENE	5.0	24 U	UG/KG
1,4-DICHLOROBENZENE	5.0	24 U	UG/KG
1,2-DICHLOROBENZENE	5.0	4.0 J J	UG/KG
DICHLORODIFLUOROMETHANE	5.0	24 U	UG/KG
1,1-DICHLOROETHANE	5.0	24 U	UG/KG
1,2-DICHLOROETHANE	5.0	24 U	UG/KG
1,1-DICHLOROETHENE	5.0	24 U	UG/KG
CIS-1,2-DICHLOROETHENE	5.0	24 U	UG/KG
TRANS-1,2-DICHLOROETHENE	5.0	24 U	UG/KG
1,2-DICHLOROPROPANE	5.0	24 U	UG/KG
CIS-1,3-DICHLOROPROPENE	5.0	24 U	UG/KG
TRANS-1,3-DICHLOROPROPENE	5.0	24 U	UG/KG
ETHYLBENZENE	5.0	20 J	UG/KG
2-HEXANONE	10	47 U	UG/KG
ISOPROPYLBENZENE	5.0	64 J	UG/KG
METHYL ACETATE	10	47 U	UG/KG
METHYLCYCLOHEXANE	5.0	210 J	UG/KG
METHYLENE CHLORIDE	5.0	24 U	UG/KG
4-METHYL-2-PENTANONE (MIBK)	10	47 U	UG/KG
STYRENE	5.0	24 U	UG/KG
1,1,2,2-TETRACHLOROETHANE	5.0	24 U	UG/KG
TETRACHLOROETHENE	5.0	24 U	UG/KG
TOLUENE	5.0	~~8.0 J~~ 24U J	UG/KG
1,2,4-TRICHLOROBENZENE	5.0	24 U	UG/KG
1,1,1-TRICHLOROETHANE	5.0	24 U	UG/KG
1,1,2-TRICHLOROETHANE	5.0	24 U	UG/KG
TRICHLOROETHENE	5.0	24 U	UG/KG

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B
Reported: 01/09/08

ENSR International
Project Reference: CON EDISON - PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD18 (0-2)

Date Sampled : 12/07/07 09:20 **Order #:** 1060862 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/10/07 **Submission #:** R2741248 **Percent Solid:** 42.4

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 12/12/07			
ANALYTICAL DILUTION: 2.00			Dry Weight
TRICHLOROFLUOROMETHANE	5.0	24 UJ	UG/KG
1,1,2-TRICHLORO1,2,2-TRIFLUOROETHA	5.0	24 UJ	UG/KG
VINYL CHLORIDE	5.0	24 UJ	UG/KG
O-XYLENE	5.0	110 J	UG/KG
M+P-XYLENE	5.0	610 J	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(50 - 135 %)	93	%
TOLUENE-D8	(75 - 128 %)	84	%
DIBROMOFLUOROMETHANE	(58 - 133 %)	92	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B
Reported: 01/09/08

ENSR International
Project Reference: CON EDISON - PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD18 (5-6)

Date Sampled : 12/07/07 09:15 **Order #:** 1060863 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/10/07 **Submission #:** R2741248 **Percent Solid:** 73.1

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 12/13/07			
ANALYTICAL DILUTION: 1.00			Dry Weight
ACETONE	20	25 J	UG/KG
BENZENE	5.0	6.8 U	UG/KG
BROMODICHLOROMETHANE	5.0	6.8 U	UG/KG
BROMOFORM	5.0	6.8 U	UG/KG
BROMOMETHANE	5.0	6.8 U	UG/KG
2-BUTANONE (MEK)	10	4.9 J	UG/KG
METHYL-TERT-BUTYL ETHER	5.0	6.8 U	UG/KG
CARBON DISULFIDE	10	14 U	UG/KG
CARBON TETRACHLORIDE	5.0	6.8 U	UG/KG
CHLOROBENZENE	5.0	6.8 U	UG/KG
CHLOROETHANE	10	14 U	UG/KG
CHLOROFORM	5.0	6.8 U	UG/KG
CHLOROMETHANE	5.0	6.8 U	UG/KG
1,2-DIBROMO-3-CHLOROPROPANE	5.0	6.8 U	UG/KG
CYCLOHEXANE	5.0	6.8 U	UG/KG
DIBROMOCHLOROMETHANE	5.0	6.8 U	UG/KG
1,2-DIBROMOETHANE	5.0	6.8 U	UG/KG
1,3-DICHLOROBENZENE	5.0	6.8 U	UG/KG
1,4-DICHLOROBENZENE	5.0	6.8 U	UG/KG
1,2-DICHLOROBENZENE	5.0	6.8 U	UG/KG
DICHLORODIFLUOROMETHANE	5.0	6.8 UJ	UG/KG
1,1-DICHLOROETHANE	5.0	6.8 U	UG/KG
1,2-DICHLOROETHANE	5.0	6.8 U	UG/KG
1,1-DICHLOROETHENE	5.0	6.8 U	UG/KG
CIS-1,2-DICHLOROETHENE	5.0	6.8 U	UG/KG
TRANS-1,2-DICHLOROETHENE	5.0	6.8 U	UG/KG
1,2-DICHLOROPROPANE	5.0	6.8 U	UG/KG
CIS-1,3-DICHLOROPROPENE	5.0	6.8 U	UG/KG
TRANS-1,3-DICHLOROPROPENE	5.0	6.8 U	UG/KG
ETHYLBENZENE	5.0	6.8 U	UG/KG
2-HEXANONE	10	14 U	UG/KG
ISOPROPYLBENZENE	5.0	2.2 J	UG/KG
METHYL ACETATE	10	14 U	UG/KG
METHYLCYCLOHEXANE	5.0	6.8 U	UG/KG
METHYLENE CHLORIDE	5.0	~~0.59 JB~~ 6.8U	UG/KG
4-METHYL-2-PENTANONE (MIBK)	10	14 U	UG/KG
STYRENE	5.0	6.8 U	UG/KG
1,1,2,2-TETRACHLOROETHANE	5.0	6.8 U	UG/KG
TETRACHLOROETHENE	5.0	6.8 U	UG/KG
TOLUENE	5.0	~~1.9 JB~~ 6.8U	UG/KG
1,2,4-TRICHLOROBENZENE	5.0	6.8 U	UG/KG
1,1,1-TRICHLOROETHANE	5.0	6.8 U	UG/KG
1,1,2-TRICHLOROETHANE	5.0	6.8 U	UG/KG
TRICHLOROETHENE	5.0	6.8 U	UG/KG

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B
Reported: 01/09/08

ENSR International
Project Reference: CON EDISON - PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD18 (5-6)

Date Sampled : 12/07/07 09:15 **Order #:** 1060863 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/10/07 **Submission #:** R2741248 **Percent Solid:** 73.1

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 12/13/07			
ANALYTICAL DILUTION: 1.00			Dry Weight
TRICHLOROFLUOROMETHANE	5.0	6.8 U	UG/KG
1,1,2-TRICHLORO1,2,2-TRIFLUOROETHA	5.0	6.8 U	UG/KG
VINYL CHLORIDE	5.0	6.8 U	UG/KG
O-XYLENE	5.0	6.8 U	UG/KG
M+P-XYLENE	5.0	6.8 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(50 - 135 %)	85	%
TOLUENE-D8	(75 - 128 %)	90	%
DIBROMOFLUOROMETHANE	(58 - 133 %)	93	%

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8270C SEMIVOLATILES
Reported: 01/09/08

ENSR International
Project Reference: CON EDISON - PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD6 (16-17)

Date Sampled : 11/30/07 11:30 **Order #:** 1060854 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/03/07 **Submission #:** R2741248 **Percent Solid:** 57.7

DATE EXTRACTED : 12/11/07
DATE ANALYZED : 12/12/07
ANALYTICAL DILUTION: 1.00

ANALYTE	PQL	RESULT	UNITS
			Dry Weight
ACENAPHTHENE	330	33 J	UG/KG
ACENAPHTHYLENE	330	570 U	UG/KG
ACETOPHENONE	330	570 U	UG/KG
ANTHRACENE	330	570 U	UG/KG
ATRAZINE	330	570 U	UG/KG
BENZALDEHYDE	330	570 U	UG/KG
BENZO(A)ANTHRACENE	330	570 UJ	UG/KG
BENZO(A)PYRENE	330	570 U	UG/KG
BENZO(B)FLUORANTHENE	330	570 U	UG/KG
BENZO(G,H,I)PERYLENE	330	570 U	UG/KG
BENZO(K)FLUORANTHENE	330	570 U	UG/KG
1,1'-BIPHENYL	330	570 U	UG/KG
BUTYL BENZYL PHTHALATE	330	570 U	UG/KG
DI-N-BUTYLPHTHALATE	330	570 U	UG/KG
CAPROLACTAM	330	570 U	UG/KG
CARBAZOLE	330	570 U	UG/KG
INDENO(1,2,3-CD)PYRENE	330	570 U	UG/KG
4-CHLOROANILINE	330	570 U	UG/KG
BIS(-2-CHLOROETHOXY)METHANE	330	570 U	UG/KG
BIS(2-CHLOROETHYL)ETHER	330	570 U	UG/KG
2-CHLORONAPHTHALENE	330	570 U	UG/KG
2-CHLOROPHENOL	330	570 U	UG/KG
2,2'-OXYBIS(1-CHLOROPROPANE)	330	570 U	UG/KG
CHRYSENE	330	570 U	UG/KG
DIBENZO(A,H)ANTHRACENE	330	570 U	UG/KG
DIBENZOFURAN	330	570 U	UG/KG
3,3'-DICHLOROBENZIDINE	330	570 U	UG/KG
2,4-DICHLOROPHENOL	330	570 U	UG/KG
DIETHYLPHTHALATE	330	570 U	UG/KG
DIMETHYL PHTHALATE	330	570 U	UG/KG
2,4-DIMETHYLPHENOL	330	570 U	UG/KG
2,4-DINITROPHENOL	330	570 U	UG/KG
2,4-DINITROTOLUENE	1700	2900 UJ	UG/KG
2,6-DINITROTOLUENE	330	570 U	UG/KG
BIS(2-ETHYLHEXYL)PHTHALATE	330	570 U	UG/KG
FLUORANTHENE	330	570 U	UG/KG
FLUORENE	330	570 U	UG/KG
HEXACHLOROBENZENE	330	570 U	UG/KG
HEXACHLOROBUTADIENE	330	570 U	UG/KG
HEXACHLOROCYCLOPENTADIENE	330	570 U	UG/KG
HEXACHLOROETHANE	330	570 U	UG/KG
ISOPHORONE	330	570 U	UG/KG
2-METHYLNAPHTHALENE	330	570 U	UG/KG

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8270C SEMIVOLATILES
Reported: 01/09/08

ENSR International
Project Reference: CON EDISON - PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD6 (16-17)

Date Sampled : 11/30/07 11:30 **Order #:** 1060854 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/03/07 **Submission #:** R2741248 **Percent Solid:** 57.7

DATE EXTRACTED : 12/11/07
DATE ANALYZED : 12/12/07
ANALYTICAL DILUTION: 1.00

ANALYTE	PQL	RESULT	UNITS
			Dry Weight
4,6-DINITRO-2-METHYLPHENOL	1700	2900 U	UG/KG
4-CHLORO-3-METHYLPHENOL	330	570 U	UG/KG
2-METHYLPHENOL	330	570 U	UG/KG
4-METHYLPHENOL	330	570 U	UG/KG
NAPHTHALENE	330	570 U	UG/KG
2-NITROANILINE	1700	2900 U	UG/KG
3-NITROANILINE	1700	2900 U	UG/KG
4-NITROANILINE	1700	2900 U	UG/KG
NITROBENZENE	330	570 U	UG/KG
2-NITROPHENOL	330	570 U	UG/KG
4-NITROPHENOL	1700	2900 U	UG/KG
N-NITROSODIPHENYLAMINE	330	570 U	UG/KG
DI-N-OCTYL PHTHALATE	330	570 U	UG/KG
PENTACHLOROPHENOL	1700	2900 U	UG/KG
PHENANTHRENE	330	570 U	UG/KG
PHENOL	330	570 U	UG/KG
4-BROMOPHENYL-PHENYLETHER	330	570 U	UG/KG
4-CHLOROPHENYL-PHENYLETHER	330	570 U	UG/KG
N-NITROSO-DI-N-PROPYLAMINE	330	570 U	UG/KG
PYRENE	330	570 U	UG/KG
2,4,6-TRICHLOROPHENOL	330	570 U	UG/KG
2,4,5-TRICHLOROPHENOL	330	570 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
TERPHENYL-d14	(48 - 131 %)	61	%
NITROBENZENE-d5	(27 - 130 %)	64	%
PHENOL-d6	(10 - 133 %)	64	%
2-FLUOROBIPHENYL	(32 - 130 %)	57	%
2-FLUOROPHENOL	(10 - 130 %)	60	%
2,4,6-TRIBROMOPHENOL	(33 - 139 %)	69	%

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8270C SEMIVOLATILES
Reported: 01/09/08

ENSR International
Project Reference: CON EDISON - PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD100

Date Sampled : 12/05/07 **Order #:** 1060855 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/10/07 **Submission #:** R2741248 **Percent Solid:** 52.2

DATE EXTRACTED : 12/11/07
DATE ANALYZED : 12/12/07
ANALYTICAL DILUTION: 15.00

ANALYTE	PQL	RESULT		UNITS
				Dry Weight
ACENAPHTHENE	330	50000		UG/KG
ACENAPHTHYLENE	330	7900	J	UG/KG
ACETOPHENONE	330	9500	U	UG/KG
ANTHRACENE	330	36000		UG/KG
ATRAZINE	330	9500	U	UG/KG
BENZALDEHYDE	330	9500	UJ	UG/KG
BENZO(A)ANTHRACENE	330	25000		UG/KG
BENZO(A)PYRENE	330	19000		UG/KG
BENZO(B)FLUORANTHENE	330	9800		UG/KG
BENZO(G,H,I)PERYLENE	330	8000	J	UG/KG
BENZO(K)FLUORANTHENE	330	12000		UG/KG
1,1'-BIPHENYL	330	5600	J	UG/KG
BUTYL BENZYL PHTHALATE	330	9500	U	UG/KG
DI-N-BUTYLPHTHALATE	330	9500	U	UG/KG
CAPROLACTAM	330	9500	U	UG/KG
CARBAZOLE	330	9500	U	UG/KG
INDENO(1,2,3-CD)PYRENE	330	6700	J	UG/KG
4-CHLOROANILINE	330	9500	U	UG/KG
BIS(-2-CHLOROETHOXY)METHANE	330	9500	U	UG/KG
BIS(2-CHLOROETHYL)ETHER	330	9500	U	UG/KG
2-CHLORONAPHTHALENE	330	9500	U	UG/KG
2-CHLOROPHENOL	330	9500	U	UG/KG
2,2'-OXYBIS(1-CHLOROPROPANE)	330	9500	U	UG/KG
CHRYSENE	330	25000		UG/KG
DIBENZO(A,H)ANTHRACENE	330	2500	J	UG/KG
DIBENZOFURAN	330	9500	U	UG/KG
3,3'-DICHLOROBENZIDINE	330	9500	U	UG/KG
2,4-DICHLOROPHENOL	330	9500	U	UG/KG
DIETHYLPHTHALATE	330	9500	U	UG/KG
DIMETHYL PHTHALATE	330	9500	U	UG/KG
2,4-DIMETHYLPHENOL	330	9500	U	UG/KG
2,4-DINITROPHENOL	1700	49000	UJ	UG/KG
2,4-DINITROTOLUENE	330	9500	U	UG/KG
2,6-DINITROTOLUENE	330	9500	U	UG/KG
BIS(2-ETHYLHEXYL)PHTHALATE	330	9500	U	UG/KG
FLUORANTHENE	330	46000		UG/KG
FLUORENE	330	25000		UG/KG
HEXACHLOROBENZENE	330	9500	U	UG/KG
HEXACHLOROBUTADIENE	330	9500	U	UG/KG
HEXACHLOROCYCLOPENTADIENE	330	9500	U	UG/KG
HEXACHLOROETHANE	330	9500	U	UG/KG
ISOPHORONE	330	9500	U	UG/KG
2-METHYLNAPHTHALENE	330	44000		UG/KG

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8270C SEMIVOLATILES
Reported: 01/09/08

ENSR International
Project Reference: CON EDISON - PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD100

Date Sampled : 12/05/07 **Order #:** 1060855 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/10/07 **Submission #:** R2741248 **Percent Solid:** 52.2

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 12/11/07			
DATE ANALYZED : 12/12/07			
ANALYTICAL DILUTION: 15.00			Dry Weight
4,6-DINITRO-2-METHYLPHENOL	1700	49000 U	UG/KG
4-CHLORO-3-METHYLPHENOL	330	9500 U	UG/KG
2-METHYLPHENOL	330	9500 U	UG/KG
4-METHYLPHENOL	330	9500 U	UG/KG
NAPHTHALENE	330	38000	UG/KG
2-NITROANILINE	1700	49000 U	UG/KG
3-NITROANILINE	1700	49000 U	UG/KG
4-NITROANILINE	1700	49000 U	UG/KG
NITROBENZENE	330	9500 U	UG/KG
2-NITROPHENOL	330	9500 U	UG/KG
4-NITROPHENOL	1700	49000 U	UG/KG
N-NITROSODIPHENYLAMINE	330	9500 U	UG/KG
DI-N-OCTYL PHTHALATE	330	9500 U	UG/KG
PENTACHLOROPHENOL	1700	49000 U	UG/KG
PHENANTHRENE	330	100000	UG/KG
PHENOL	330	9500 U	UG/KG
4-BROMOPHENYL-PHENYLETHER	330	9500 U	UG/KG
4-CHLOROPHENYL-PHENYLETHER	330	9500 U	UG/KG
N-NITROSO-DI-N-PROPYLAMINE	330	9500 U	UG/KG
PYRENE	330	59000	UG/KG
2,4,6-TRICHLOROPHENOL	330	9500 U	UG/KG
2,4,5-TRICHLOROPHENOL	330	9500 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
TERPHENYL-d14	(48 - 131 %)	D	%
NITROBENZENE-d5	(27 - 130 %)	D	%
PHENOL-d6	(10 - 133 %)	D	%
2-FLUOROBIPHENYL	(32 - 130 %)	D	%
2-FLUOROPHENOL	(10 - 130 %)	D	%
2,4,6-TRIBROMOPHENOL	(33 - 139 %)	D	%

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8270C SEMIVOLATILES
Reported: 01/09/08

ENSR International
Project Reference: CON EDISON - PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD101

Date Sampled : 12/05/07 **Order #:** 1060856 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/10/07 **Submission #:** R2741248 **Percent Solid:** 74.1

DATE EXTRACTED : 12/11/07
DATE ANALYZED : 12/12/07
ANALYTICAL DILUTION: 1.00

ANALYTE	PQL	RESULT	UNITS
			Dry Weight
ACENAPHTHENE	330	78 J	UG/KG
ACENAPHTHYLENE	330	38 J	UG/KG
ACETOPHENONE	330	450 U	UG/KG
ANTHRACENE	330	77 J	UG/KG
ATRAZINE	330	450 U	UG/KG
BENZALDEHYDE	330	450 U	UG/KG
BENZO(A)ANTHRACENE	330	120 J	UG/KG
BENZO(A)PYRENE	330	110 J	UG/KG
BENZO(B)FLUORANTHENE	330	72 J	UG/KG
BENZO(G,H,I)PERYLENE	330	62 J	UG/KG
BENZO(K)FLUORANTHENE	330	78 J	UG/KG
1,1'-BIPHENYL	330	450 U	UG/KG
BUTYL BENZYL PHTHALATE	330	450 U	UG/KG
DI-N-BUTYLPHTHALATE	330	450 U	UG/KG
CAPROLACTAM	330	450 U	UG/KG
CARBAZOLE	330	450 U	UG/KG
INDENO(1,2,3-CD)PYRENE	330	51 J	UG/KG
4-CHLOROANILINE	330	450 U	UG/KG
BIS(-2-CHLOROETHOXY)METHANE	330	450 U	UG/KG
BIS(2-CHLOROETHYL)ETHER	330	450 U	UG/KG
2-CHLORONAPHTHALENE	330	450 U	UG/KG
2-CHLOROPHENOL	330	450 U	UG/KG
2,2'-OXYBIS(1-CHLOROPROPANE)	330	450 U	UG/KG
CHRYSENE	330	130 J	UG/KG
DIBENZO(A,H)ANTHRACENE	330	450 U	UG/KG
DIBENZOFURAN	330	450 U	UG/KG
3,3'-DICHLOROBENZIDINE	330	450 U	UG/KG
2,4-DICHLOROPHENOL	330	450 U	UG/KG
DIETHYLPHTHALATE	330	450 U	UG/KG
DIMETHYL PHTHALATE	330	450 U	UG/KG
2,4-DIMETHYLPHENOL	330	450 U	UG/KG
2,4-DINITROPHENOL	1700	2300 U	UG/KG
2,4-DINITROTOLUENE	330	450 U	UG/KG
2,6-DINITROTOLUENE	330	450 U	UG/KG
BIS(2-ETHYLHEXYL)PHTHALATE	330	32 J	UG/KG
FLUORANTHENE	330	220 J	UG/KG
FLUORENE	330	49 J	UG/KG
HEXACHLOROBENZENE	330	450 U	UG/KG
HEXACHLOROBUTADIENE	330	450 U	UG/KG
HEXACHLOROCYCLOPENTADIENE	330	450 U	UG/KG
HEXACHLOROETHANE	330	450 U	UG/KG
ISOPHORONE	330	450 U	UG/KG
2-METHYLNAPHTHALENE	330	450 U	UG/KG

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8270C SEMIVOLATILES
Reported: 01/09/08

ENSR International
Project Reference: CON EDISON - PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD101

Date Sampled : 12/05/07 **Order #:** 1060856 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/10/07 **Submission #:** R2741248 **Percent Solid:** 74.1

DATE EXTRACTED : 12/11/07
DATE ANALYZED : 12/12/07
ANALYTICAL DILUTION: 1.00

ANALYTE	PQL	RESULT	UNITS
			Dry Weight
4,6-DINITRO-2-METHYLPHENOL	1700	2300 U J	UG/KG
4-CHLORO-3-METHYLPHENOL	330	450 U	UG/KG
2-METHYLPHENOL	330	450 U	UG/KG
4-METHYLPHENOL	330	450 U	UG/KG
NAPHTHALENE	330	32 J	UG/KG
2-NITROANILINE	1700	2300 U	UG/KG
3-NITROANILINE	1700	2300 U	UG/KG
4-NITROANILINE	1700	2300 U	UG/KG
NITROBENZENE	330	450 U	UG/KG
2-NITROPHENOL	330	450 U	UG/KG
4-NITROPHENOL	1700	2300 U	UG/KG
N-NITROSODIPHENYLAMINE	330	450 U	UG/KG
DI-N-OCTYL PHTHALATE	330	450 U	UG/KG
PENTACHLOROPHENOL	1700	2300 U	UG/KG
PHENANTHRENE	330	260 J	UG/KG
PHENOL	330	450 U	UG/KG
4-BROMOPHENYL-PHENYLETHER	330	450 U	UG/KG
4-CHLOROPHENYL-PHENYLETHER	330	450 U	UG/KG
N-NITROSO-DI-N-PROPYLAMINE	330	450 U	UG/KG
PYRENE	330	240 J	UG/KG
2,4,6-TRICHLOROPHENOL	330	450 U	UG/KG
2,4,5-TRICHLOROPHENOL	330	450 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
TERPHENYL-d14	(48 - 131 %)	73	%
NITROBENZENE-d5	(27 - 130 %)	78	%
PHENOL-d6	(10 - 133 %)	77	%
2-FLUOROBIPHENYL	(32 - 130 %)	79	%
2-FLUOROPHENOL	(10 - 130 %)	72	%
2,4,6-TRIBROMOPHENOL	(33 - 139 %)	78	%

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8270C SEMIVOLATILES
Reported: 01/09/08

ENSR International
Project Reference: CON EDISON - PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD102

Date Sampled : 12/06/07 Order #: 1060857 Sample Matrix: SOIL/SEDIMENT
Date Received: 12/10/07 Submission #: R2741248 Percent Solid: 49.1

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 12/11/07			
DATE ANALYZED : 12/13/07			
ANALYTICAL DILUTION: 5.00			Dry Weight
ACENAPHTHENE	330	19000 J	UG/KG
ACENAPHTHYLENE	330	3900 J	UG/KG
ACETOPHENONE	330	3400 UJ	UG/KG
ANTHRACENE	330	11000 J	UG/KG
ATRAZINE	330	3400 UJ	UG/KG
BENZALDEHYDE	330	3400 UJ	UG/KG
BENZO(A)ANTHRACENE	330	9800 J	UG/KG
BENZO(A)PYRENE	330	8400	UG/KG
BENZO(B)FLUORANTHENE	330	5500	UG/KG
BENZO(G,H,I)PERYLENE	330	4300	UG/KG
BENZO(K)FLUORANTHENE	330	5100	UG/KG
1,1'-BIPHENYL	330	3400 UJ	UG/KG
BUTYL BENZYL PHTHALATE	330	3400 U	UG/KG
DI-N-BUTYLPHTHALATE	330	3400 U	UG/KG
CAPROLACTAM	330	3400 U	UG/KG
CARBAZOLE	330	3400 U	UG/KG
INDENO(1,2,3-CD)PYRENE	330	3700 J	UG/KG
4-CHLOROANILINE	330	3400 UJ	UG/KG
BIS(-2-CHLOROETHOXY)METHANE	330	3400 U	UG/KG
BIS(2-CHLOROETHYL)ETHER	330	3400 U	UG/KG
2-CHLORONAPHTHALENE	330	3400 U	UG/KG
2-CHLOROPHENOL	330	3400 U	UG/KG
2,2'-OXYBIS(1-CHLOROPROPANE)	330	3400 U	UG/KG
CHRYSENE	330	11000 J	UG/KG
DIBENZO(A,H)ANTHRACENE	330	1300 J J	UG/KG
DIBENZOFURAN	330	810 J J	UG/KG
3,3'-DICHLOROBENZIDINE	330	3400 UJ	UG/KG
2,4-DICHLOROPHENOL	330	3400 U	UG/KG
DIETHYLPHTHALATE	330	3400 U	UG/KG
DIMETHYL PHTHALATE	330	3400 U	UG/KG
2,4-DIMETHYLPHENOL	330	3400 U	UG/KG
2,4-DINITROPHENOL	1700	17000 UJ	UG/KG
2,4-DINITROTOLUENE	330	3400 UJ	UG/KG
2,6-DINITROTOLUENE	330	3400 U	UG/KG
BIS(2-ETHYLHEXYL)PHTHALATE	330	610 J J	UG/KG
FLUORANTHENE	330	17000	UG/KG
FLUORENE	330	8100	UG/KG
HEXACHLOROBENZENE	330	3400 UJ	UG/KG
HEXACHLOROBUTADIENE	330	3400 UJ	UG/KG
HEXACHLOROCYCLOPENTADIENE	330	3400 UJ	UG/KG
HEXACHLOROETHANE	330	3400 U	UG/KG
ISOPHORONE	330	3400 U	UG/KG
2-METHYLNAPHTHALENE	330	2400 J J	UG/KG

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8270C SEMIVOLATILES
Reported: 01/09/08

ENSR International
Project Reference: CON EDISON - PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD102

Date Sampled : 12/06/07 **Order #:** 1060857 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/10/07 **Submission #:** R2741248 **Percent Solid:** 49.1

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 12/11/07			
DATE ANALYZED : 12/13/07			
ANALYTICAL DILUTION: 5.00			Dry Weight
4,6-DINITRO-2-METHYLPHENOL	1700	17000 UJ	UG/KG
4-CHLORO-3-METHYLPHENOL	330	3400 U	UG/KG
2-METHYLPHENOL	330	3400 U	UG/KG
4-METHYLPHENOL	330	3400 U	UG/KG
NAPHTHALENE	330	3500 J	UG/KG
2-NITROANILINE	1700	17000 UJ	UG/KG
3-NITROANILINE	1700	17000 U	UG/KG
4-NITROANILINE	1700	17000 U	UG/KG
NITROBENZENE	330	3400 U	UG/KG
2-NITROPHENOL	330	3400 U	UG/KG
4-NITROPHENOL	1700	17000 U	UG/KG
N-NITROSODIPHENYLAMINE	330	3400 U	UG/KG
DI-N-OCTYL PHTHALATE	330	3400 U	UG/KG
PENTACHLOROPHENOL	1700	17000 U	UG/KG
PHENANTHRENE	330	31000 J	UG/KG
PHENOL	330	3400 UJ	UG/KG
4-BROMOPHENYL-PHENYLETHER	330	3400 U	UG/KG
4-CHLOROPHENYL-PHENYLETHER	330	3400 U	UG/KG
N-NITROSO-DI-N-PROPYLAMINE	330	3400 U	UG/KG
PYRENE	330	20000 J	UG/KG
2,4,6-TRICHLOROPHENOL	330	3400 UJ	UG/KG
2,4,5-TRICHLOROPHENOL	330	3400 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
TERPHENYL-d14	(48 - 131 %)	96	%
NITROBENZENE-d5	(27 - 130 %)	82	%
PHENOL-d6	(10 - 133 %)	87	%
2-FLUOROBIPHENYL	(32 - 130 %)	87	%
2-FLUOROPHENOL	(10 - 130 %)	78	%
2,4,6-TRIBROMOPHENOL	(33 - 139 %)	85	%

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8270C SEMIVOLATILES
Reported: 01/09/08

ENSR International
Project Reference: CON EDISON - PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD16 (0-2)

Date Sampled : 12/06/07 14:25 **Order #:** 1060858 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/10/07 **Submission #:** R2741248 **Percent Solid:** 48.2

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 12/11/07			
DATE ANALYZED : 12/12/07			
ANALYTICAL DILUTION: 15.00			Dry Weight
ACENAPHTHENE	330	23000 J	UG/KG
ACENAPHTHYLENE	330	5400 J	UG/KG
ACETOPHENONE	330	10000 U	UG/KG
ANTHRACENE	330	25000 J	UG/KG
ATRAZINE	330	10000 U	UG/KG
BENZALDEHYDE	330	10000 U	UG/KG
BENZO(A)ANTHRACENE	330	18000 J	UG/KG
BENZO(A)PYRENE	330	14000 J	UG/KG
BENZO(B)FLUORANTHENE	330	6400 J	UG/KG
BENZO(G,H,I)PERYLENE	330	5400 J	UG/KG
BENZO(K)FLUORANTHENE	330	7500 J	UG/KG
1,1'-BIPHENYL	330	10000 U	UG/KG
BUTYL BENZYL PHTHALATE	330	10000 U	UG/KG
DI-N-BUTYLPHTHALATE	330	10000 U	UG/KG
CAPROLACTAM	330	10000 U	UG/KG
CARBAZOLE	330	10000 U	UG/KG
INDENO(1,2,3-CD)PYRENE	330	4600 J	UG/KG
4-CHLOROANILINE	330	10000 U	UG/KG
BIS(-2-CHLOROETHOXY)METHANE	330	10000 U	UG/KG
BIS(2-CHLOROETHYL)ETHER	330	10000 U	UG/KG
2-CHLORONAPHTHALENE	330	10000 U	UG/KG
2-CHLOROPHENOL	330	10000 U	UG/KG
2,2'-OXYBIS(1-CHLOROPROPANE)	330	10000 U	UG/KG
CHRYSENE	330	18000 J	UG/KG
DIBENZO(A,H)ANTHRACENE	330	1500 J	UG/KG
DIBENZOFURAN	330	10000 U	UG/KG
3,3'-DICHLOROBENZIDINE	330	10000 U	UG/KG
2,4-DICHLOROPHENOL	330	10000 U	UG/KG
DIETHYLPHTHALATE	330	10000 U	UG/KG
DIMETHYL PHTHALATE	330	10000 U	UG/KG
2,4-DIMETHYLPHENOL	330	10000 U	UG/KG
2,4-DINITROPHENOL	1700	53000 U	UG/KG
2,4-DINITROTOLUENE	330	10000 U	UG/KG
2,6-DINITROTOLUENE	330	10000 U	UG/KG
BIS(2-ETHYLHEXYL)PHTHALATE	330	10000 U	UG/KG
FLUORANTHENE	330	35000 J	UG/KG
FLUORENE	330	13000 J	UG/KG
HEXACHLOROBENZENE	330	10000 U	UG/KG
HEXACHLOROBUTADIENE	330	10000 U	UG/KG
HEXACHLOROCYCLOPENTADIENE	330	10000 U	UG/KG
HEXACHLOROETHANE	330	10000 U	UG/KG
ISOPHORONE	330	10000 U	UG/KG
2-METHYLNAPHTHALENE	330	1600 J	UG/KG

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8270C SEMIVOLATILES
Reported: 01/09/08

ENSR International
Project Reference: CON EDISON - PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD16 (0-2)

Date Sampled : 12/06/07 14:25 **Order #:** 1060858 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/10/07 **Submission #:** R2741248 **Percent Solid:** 48.2

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 12/11/07			
DATE ANALYZED : 12/12/07			
ANALYTICAL DILUTION: 15.00			Dry Weight
4,6-DINITRO-2-METHYLPHENOL	1700	53000 UJ	UG/KG
4-CHLORO-3-METHYLPHENOL	330	10000 U	UG/KG
2-METHYLPHENOL	330	10000 U	UG/KG
4-METHYLPHENOL	330	10000 U	UG/KG
NAPHTHALENE	330	2700 J	UG/KG
2-NITROANILINE	1700	53000 UJ	UG/KG
3-NITROANILINE	1700	53000 U	UG/KG
4-NITROANILINE	1700	53000 U	UG/KG
NITROBENZENE	330	10000 U	UG/KG
2-NITROPHENOL	330	10000 U	UG/KG
4-NITROPHENOL	1700	53000 U	UG/KG
N-NITROSODIPHENYLAMINE	330	10000 U	UG/KG
DI-N-OCTYL PHTHALATE	330	10000 U	UG/KG
PENTACHLOROPHENOL	1700	53000 U	UG/KG
PHENANTHRENE	330	58000 J	UG/KG
PHENOL	330	10000 UJ	UG/KG
4-BROMOPHENYL-PHENYLETHER	330	10000 U	UG/KG
4-CHLOROPHENYL-PHENYLETHER	330	10000 U	UG/KG
N-NITROSO-DI-N-PROPYLAMINE	330	10000 U	UG/KG
PYRENE	330	44000 J	UG/KG
2,4,6-TRICHLOROPHENOL	330	10000 UJ	UG/KG
2,4,5-TRICHLOROPHENOL	330	10000 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
TERPHENYL-d14	(48 - 131 %)	D	%
NITROBENZENE-d5	(27 - 130 %)	D	%
PHENOL-d6	(10 - 133 %)	D	%
2-FLUOROBIPHENYL	(32 - 130 %)	D	%
2-FLUOROPHENOL	(10 - 130 %)	D	%
2,4,6-TRIBROMOPHENOL	(33 - 139 %)	D	%

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8270C SEMIVOLATILES
Reported: 01/09/08

ENSR International
Project Reference: CON EDISON - PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD16 (4-5)

Date Sampled : 12/06/07 14:40 **Order #:** 1060859 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/10/07 **Submission #:** R2741248 **Percent Solid:** 72.0

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 12/11/07			
DATE ANALYZED : 12/12/07			
ANALYTICAL DILUTION: 1.00			Dry Weight
ACENAPHTHENE	330	36 J	UG/KG
ACENAPHTHYLENE	330	460 U	UG/KG
ACETOPHENONE	330	460 U	UG/KG
ANTHRACENE	330	39 J	UG/KG
ATRAZINE	330	460 U	UG/KG
BENZALDEHYDE	330	460 UJ	UG/KG
BENZO(A)ANTHRACENE	330	56 J	UG/KG
BENZO(A)PYRENE	330	43 J	UG/KG
BENZO(B)FLUORANTHENE	330	460 U	UG/KG
BENZO(G,H,I)PERYLENE	330	460 U	UG/KG
BENZO(K)FLUORANTHENE	330	460 U	UG/KG
1,1'-BIPHENYL	330	460 U	UG/KG
BUTYL BENZYL PHTHALATE	330	460 U	UG/KG
DI-N-BUTYLPHTHALATE	330	460 U	UG/KG
CAPROLACTAM	330	460 U	UG/KG
CARBAZOLE	330	460 U	UG/KG
INDENO(1,2,3-CD)PYRENE	330	460 U	UG/KG
4-CHLOROANILINE	330	460 U	UG/KG
BIS(-2-CHLOROETHOXY)METHANE	330	460 U	UG/KG
BIS(2-CHLOROETHYL)ETHER	330	460 U	UG/KG
2-CHLORONAPHTHALENE	330	460 U	UG/KG
2-CHLOROPHENOL	330	460 U	UG/KG
2,2'-OXYBIS(1-CHLOROPROPANE)	330	460 U	UG/KG
CHRYSENE	330	58 J	UG/KG
DIBENZO(A,H)ANTHRACENE	330	460 U	UG/KG
DIBENZOFURAN	330	460 U	UG/KG
3,3'-DICHLOROBENZIDINE	330	460 U	UG/KG
2,4-DICHLOROPHENOL	330	460 U	UG/KG
DIETHYLPHTHALATE	330	460 U	UG/KG
DIMETHYL PHTHALATE	330	460 U	UG/KG
2,4-DIMETHYLPHENOL	330	460 U	UG/KG
2,4-DINITROPHENOL	1700	2400 UJ	UG/KG
2,4-DINITROTOLUENE	330	460 U	UG/KG
2,6-DINITROTOLUENE	330	460 U	UG/KG
BIS(2-ETHYLHEXYL)PHTHALATE	330	460 U	UG/KG
FLUORANTHENE	330	96 J	UG/KG
FLUORENE	330	460 U	UG/KG
HEXACHLOROBENZENE	330	460 U	UG/KG
HEXACHLOROBUTADIENE	330	460 U	UG/KG
HEXACHLOROCYCLOPENTADIENE	330	460 U	UG/KG
HEXACHLOROETHANE	330	460 U	UG/KG
ISOPHORONE	330	460 U	UG/KG
2-METHYLNAPHTHALENE	330	460 U	UG/KG

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8270C SEMIVOLATILES
Reported: 01/09/08

ENSR International
Project Reference: CON EDISON - PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD16 (4-5)

Date Sampled : 12/06/07 14:40 **Order #:** 1060859 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/10/07 **Submission #:** R2741248 **Percent Solid:** 72.0

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 12/11/07			
DATE ANALYZED : 12/12/07			
ANALYTICAL DILUTION: 1.00			Dry Weight
4,6-DINITRO-2-METHYLPHENOL	1700	2400 U	UG/KG
4-CHLORO-3-METHYLPHENOL	330	460 U	UG/KG
2-METHYLPHENOL	330	460 U	UG/KG
4-METHYLPHENOL	330	460 U	UG/KG
NAPHTHALENE	330	460 U	UG/KG
2-NITROANILINE	1700	2400 U	UG/KG
3-NITROANILINE	1700	2400 U	UG/KG
4-NITROANILINE	1700	2400 U	UG/KG
NITROBENZENE	330	460 U	UG/KG
2-NITROPHENOL	330	460 U	UG/KG
4-NITROPHENOL	1700	2400 U	UG/KG
N-NITROSODIPHENYLAMINE	330	460 U	UG/KG
DI-N-OCTYL PHTHALATE	330	460 U	UG/KG
PENTACHLOROPHENOL	1700	2400 U	UG/KG
PHENANTHRENE	330	96 J	UG/KG
PHENOL	330	460 U	UG/KG
4-BROMOPHENYL-PHENYLETHER	330	460 U	UG/KG
4-CHLOROPHENYL-PHENYLETHER	330	460 U	UG/KG
N-NITROSO-DI-N-PROPYLAMINE	330	460 U	UG/KG
PYRENE	330	120 J	UG/KG
2,4,6-TRICHLOROPHENOL	330	460 U	UG/KG
2,4,5-TRICHLOROPHENOL	330	460 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
TERPHENYL-d14	(48 - 131 %)	75	%
NITROBENZENE-d5	(27 - 130 %)	74	%
PHENOL-d6	(10 - 133 %)	72	%
2-FLUOROBIPHENYL	(32 - 130 %)	77	%
2-FLUOROPHENOL	(10 - 130 %)	68	%
2,4,6-TRIBROMOPHENOL	(33 - 139 %)	83	%

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8270C SEMIVOLATILES
Reported: 01/09/08

ENSR International
Project Reference: CON EDISON - PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD17 (0-2)

Date Sampled : 12/06/07 15:25 **Order #:** 1060860 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/10/07 **Submission #:** R2741248 **Percent Solid:** 50.9

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 12/11/07			
DATE ANALYZED : 12/13/07			
ANALYTICAL DILUTION: 5.00			Dry Weight
ACENAPHTHENE	330	17000	UG/KG
ACENAPHTHYLENE	330	4500	UG/KG
ACETOPHENONE	330	3200 U	UG/KG
ANTHRACENE	330	16000	UG/KG
ATRAZINE	330	3200 U	UG/KG
BENZALDEHYDE	330	3200 UJ	UG/KG
BENZO(A)ANTHRACENE	330	15000	UG/KG
BENZO(A)PYRENE	330	12000	UG/KG
BENZO(B)FLUORANTHENE	330	6500	UG/KG
BENZO(G,H,I)PERYLENE	330	5300	UG/KG
BENZO(K)FLUORANTHENE	330	7100	UG/KG
1,1'-BIPHENYL	330	3200 U	UG/KG
BUTYL BENZYL PHTHALATE	330	3200 U	UG/KG
DI-N-BUTYLPHTHALATE	330	3200 U	UG/KG
CAPROLACTAM	330	3200 U	UG/KG
CARBAZOLE	330	3200 U	UG/KG
INDENO(1,2,3-CD)PYRENE	330	4300	UG/KG
4-CHLOROANILINE	330	3200 U	UG/KG
BIS(-2-CHLOROETHOXY)METHANE	330	3200 U	UG/KG
BIS(2-CHLOROETHYL)ETHER	330	3200 U	UG/KG
2-CHLORONAPHTHALENE	330	3200 U	UG/KG
2-CHLOROPHENOL	330	3200 U	UG/KG
2,2'-OXYBIS(1-CHLOROPROPANE)	330	3200 U	UG/KG
CHRYSENE	330	16000	UG/KG
DIBENZO(A,H)ANTHRACENE	330	1600 J	UG/KG
DIBENZOFURAN	330	750 J	UG/KG
3,3'-DICHLOROBENZIDINE	330	3200 U	UG/KG
2,4-DICHLOROPHENOL	330	3200 U	UG/KG
DIETHYLPHTHALATE	330	3200 U	UG/KG
DIMETHYL PHTHALATE	330	3200 U	UG/KG
2,4-DIMETHYLPHENOL	330	3200 U	UG/KG
2,4-DINITROPHENOL	1700	17000 UJ	UG/KG
2,4-DINITROTOLUENE	330	3200 U	UG/KG
2,6-DINITROTOLUENE	330	3200 U	UG/KG
BIS(2-ETHYLHEXYL)PHTHALATE	330	3200 U	UG/KG
FLUORANTHENE	330	24000	UG/KG
FLUORENE	330	9400	UG/KG
HEXACHLOROBENZENE	330	3200 U	UG/KG
HEXACHLOROBUTADIENE	330	3200 U	UG/KG
HEXACHLOROCYCLOPENTADIENE	330	3200 UJ	UG/KG
HEXACHLOROETHANE	330	3200 U	UG/KG
ISOPHORONE	330	3200 U	UG/KG
2-METHYLNAPHTHALENE	330	1300 J	UG/KG

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8270C SEMIVOLATILES
Reported: 01/09/08

ENSR International
Project Reference: CON EDISON - PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD17 (0-2)

Date Sampled : 12/06/07 15:25 **Order #:** 1060860 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/10/07 **Submission #:** R2741248 **Percent Solid:** 50.9

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 12/11/07			
DATE ANALYZED : 12/13/07			
ANALYTICAL DILUTION: 5.00			Dry Weight
4,6-DINITRO-2-METHYLPHENOL	1700	17000 U	UG/KG
4-CHLORO-3-METHYLPHENOL	330	3200 U	UG/KG
2-METHYLPHENOL	330	3200 U	UG/KG
4-METHYLPHENOL	330	3200 U	UG/KG
NAPHTHALENE	330	2600 J	UG/KG
2-NITROANILINE	1700	17000 U	UG/KG
3-NITROANILINE	1700	17000 U	UG/KG
4-NITROANILINE	1700	17000 U	UG/KG
NITROBENZENE	330	3200 U	UG/KG
2-NITROPHENOL	330	3200 U	UG/KG
4-NITROPHENOL	1700	17000 U	UG/KG
N-NITROSODIPHENYLAMINE	330	3200 U	UG/KG
DI-N-OCTYL PHTHALATE	330	3200 U	UG/KG
PENTACHLOROPHENOL	1700	17000 U	UG/KG
PHENANTHRENE	330	43000	UG/KG
PHENOL	330	3200 U	UG/KG
4-BROMOPHENYL-PHENYLETHER	330	3200 U	UG/KG
4-CHLOROPHENYL-PHENYLETHER	330	3200 U	UG/KG
N-NITROSO-DI-N-PROPYLAMINE	330	3200 U	UG/KG
PYRENE	330	33000	UG/KG
2,4,6-TRICHLOROPHENOL	330	3200 U	UG/KG
2,4,5-TRICHLOROPHENOL	330	3200 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
TERPHENYL-d14	(48 - 131 %)	90	%
NITROBENZENE-d5	(27 - 130 %)	75	%
PHENOL-d6	(10 - 133 %)	77	%
2-FLUOROBIPHENYL	(32 - 130 %)	82	%
2-FLUOROPHENOL	(10 - 130 %)	64	%
2,4,6-TRIBROMOPHENOL	(33 - 139 %)	84	%

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8270C SEMIVOLATILES
Reported: 01/09/08

ENSR International
Project Reference: CON EDISON - PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD17 (4-5)

Date Sampled : 12/06/07 15:55 **Order #:** 1060861 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/10/07 **Submission #:** R2741248 **Percent Solid:** 72.7

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 12/11/07			
DATE ANALYZED : 12/13/07			
ANALYTICAL DILUTION: 1.00			Dry Weight
ACENAPHTHENE	330	88 J	UG/KG
ACENAPHTHYLENE	330	22 J	UG/KG
ACETOPHENONE	330	450 U	UG/KG
ANTHRACENE	330	76 J	UG/KG
ATRAZINE	330	450 U	UG/KG
BENZALDEHYDE	330	450 UJ	UG/KG
BENZO(A)ANTHRACENE	330	89 J	UG/KG
BENZO(A)PYRENE	330	70 J	UG/KG
BENZO(B)FLUORANTHENE	330	54 J	UG/KG
BENZO(G,H,I)PERYLENE	330	43 J	UG/KG
BENZO(K)FLUORANTHENE	330	47 J	UG/KG
1,1'-BIPHENYL	330	450 U	UG/KG
BUTYL BENZYL PHTHALATE	330	450 U	UG/KG
DI-N-BUTYLPHTHALATE	330	450 U	UG/KG
CAPROLACTAM	330	450 U	UG/KG
CARBAZOLE	330	450 U	UG/KG
INDENO(1,2,3-CD)PYRENE	330	40 J	UG/KG
4-CHLOROANILINE	330	450 U	UG/KG
BIS(-2-CHLOROETHOXY)METHANE	330	450 U	UG/KG
BIS(2-CHLOROETHYL)ETHER	330	450 U	UG/KG
2-CHLORONAPHTHALENE	330	450 U	UG/KG
2-CHLOROPHENOL	330	450 U	UG/KG
2,2'-OXYBIS(1-CHLOROPROPANE)	330	450 U	UG/KG
CHRYSENE	330	100 J	UG/KG
DIBENZO(A,H)ANTHRACENE	330	450 U	UG/KG
DIBENZOFURAN	330	450 U	UG/KG
3,3'-DICHLOROBENZIDINE	330	450 U	UG/KG
2,4-DICHLOROPHENOL	330	450 U	UG/KG
DIETHYLPHTHALATE	330	450 U	UG/KG
DIMETHYL PHTHALATE	330	450 U	UG/KG
2,4-DIMETHYLPHENOL	330	450 U	UG/KG
2,4-DINITROPHENOL	1700	2300 UJ	UG/KG
2,4-DINITROTOLUENE	330	450 U	UG/KG
2,6-DINITROTOLUENE	330	450 U	UG/KG
BIS(2-ETHYLHEXYL)PHTHALATE	330	450 U	UG/KG
FLUORANTHENE	330	140 J	UG/KG
FLUORENE	330	48 J	UG/KG
HEXACHLOROBENZENE	330	450 U	UG/KG
HEXACHLOROBUTADIENE	330	450 U	UG/KG
HEXACHLOROCYCLOPENTADIENE	330	450 UJ	UG/KG
HEXACHLOROETHANE	330	450 U	UG/KG
ISOPHORONE	330	450 U	UG/KG
2-METHYLNAPHTHALENE	330	450 U	UG/KG

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8270C SEMIVOLATILES
Reported: 01/09/08

ENSR International
Project Reference: CON EDISON - PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD17 (4-5)

Date Sampled : 12/06/07 15:55 **Order #:** 1060861 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/10/07 **Submission #:** R2741248 **Percent Solid:** 72.7

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 12/11/07			
DATE ANALYZED : 12/13/07			
ANALYTICAL DILUTION: 1.00			Dry Weight
4,6-DINITRO-2-METHYLPHENOL	1700	2300 U	UG/KG
4-CHLORO-3-METHYLPHENOL	330	450 U	UG/KG
2-METHYLPHENOL	330	450 U	UG/KG
4-METHYLPHENOL	330	450 U	UG/KG
NAPHTHALENE	330	28 J	UG/KG
2-NITROANILINE	1700	2300 U	UG/KG
3-NITROANILINE	1700	2300 U	UG/KG
4-NITROANILINE	1700	2300 U	UG/KG
NITROBENZENE	330	450 U	UG/KG
2-NITROPHENOL	330	450 U	UG/KG
4-NITROPHENOL	1700	2300 U	UG/KG
N-NITROSODIPHENYLAMINE	330	450 U	UG/KG
DI-N-OCTYL PHTHALATE	330	450 U	UG/KG
PENTACHLOROPHENOL	1700	2300 U	UG/KG
PHENANTHRENE	330	230 J	UG/KG
PHENOL	330	450 U	UG/KG
4-BROMOPHENYL-PHENYLETHER	330	450 U	UG/KG
4-CHLOROPHENYL-PHENYLETHER	330	450 U	UG/KG
N-NITROSO-DI-N-PROPYLAMINE	330	450 U	UG/KG
PYRENE	330	210 J	UG/KG
2,4,6-TRICHLOROPHENOL	330	450 U	UG/KG
2,4,5-TRICHLOROPHENOL	330	450 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
TERPHENYL-d14	(48 - 131 %)	82	%
NITROBENZENE-d5	(27 - 130 %)	72	%
PHENOL-d6	(10 - 133 %)	72	%
2-FLUOROBIPHENYL	(32 - 130 %)	76	%
2-FLUOROPHENOL	(10 - 130 %)	64	%
2,4,6-TRIBROMOPHENOL	(33 - 139 %)	77	%

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8270C SEMIVOLATILES
Reported: 01/09/08

ENSR International
Project Reference: CON EDISON - PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD18 (0-2)

Date Sampled : 12/07/07 09:20 **Order #:** 1060862 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/10/07 **Submission #:** R2741248 **Percent Solid:** 42.4

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 12/11/07			
DATE ANALYZED : 12/13/07			
ANALYTICAL DILUTION: 5.00			Dry Weight
ACENAPHTHENE	330	310 J J	UG/KG
ACENAPHTHYLENE	330	870 J J	UG/KG
ACETOPHENONE	330	3900 U J	UG/KG
ANTHRACENE	330	970 J J	UG/KG
ATRAZINE	330	3900 U J	UG/KG
BENZALDEHYDE	330	3900 U J	UG/KG
BENZO(A)ANTHRACENE	330	2600 J J	UG/KG
BENZO(A)PYRENE	330	2800 J J	UG/KG
BENZO(B)FLUORANTHENE	330	2100 J J	UG/KG
BENZO(G,H,I)PERYLENE	330	1800 J J	UG/KG
BENZO(K)FLUORANTHENE	330	2100 J J	UG/KG
1,1'-BIPHENYL	330	3900 U J	UG/KG
BUTYL BENZYL PHTHALATE	330	3900 U U	UG/KG
DI-N-BUTYLPHTHALATE	330	3900 U U	UG/KG
CAPROLACTAM	330	3900 U U	UG/KG
CARBAZOLE	330	3900 U U	UG/KG
INDENO(1,2,3-CD)PYRENE	330	1400 J J	UG/KG
4-CHLOROANILINE	330	3900 U J	UG/KG
BIS(-2-CHLOROETHOXY)METHANE	330	3900 U U	UG/KG
BIS(2-CHLOROETHYL)ETHER	330	3900 U U	UG/KG
2-CHLORONAPHTHALENE	330	3900 U U	UG/KG
2-CHLOROPHENOL	330	3900 U U	UG/KG
2,2'-OXYBIS(1-CHLOROPROPANE)	330	3900 U U	UG/KG
CHRYSENE	330	3100 J J	UG/KG
DIBENZO(A,H)ANTHRACENE	330	420 J J	UG/KG
DIBENZOFURAN	330	3900 U J	UG/KG
3,3'-DICHLOROBENZIDINE	330	3900 U U	UG/KG
2,4-DICHLOROPHENOL	330	3900 U U	UG/KG
DIETHYLPHTHALATE	330	3900 U U	UG/KG
DIMETHYL PHTHALATE	330	3900 U U	UG/KG
2,4-DIMETHYLPHENOL	330	3900 U U	UG/KG
2,4-DINITROPHENOL	1700	20000 U J	UG/KG
2,4-DINITROTOLUENE	330	3900 U U	UG/KG
2,6-DINITROTOLUENE	330	3900 U U	UG/KG
BIS(2-ETHYLHEXYL)PHTHALATE	330	1700 J J	UG/KG
FLUORANTHENE	330	5200 J	UG/KG
FLUORENE	330	350 J U	UG/KG
HEXACHLOROBENZENE	330	3900 U J	UG/KG
HEXACHLOROBUTADIENE	330	3900 U U	UG/KG
HEXACHLOROCYCLOPENTADIENE	330	3900 U J	UG/KG
HEXACHLOROETHANE	330	3900 U J	UG/KG
ISOPHORONE	330	3900 U U	UG/KG
2-METHYLNAPHTHALENE	330	3900 U U	UG/KG

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8270C SEMIVOLATILES
Reported: 01/09/08

ENSR International
Project Reference: CON EDISON - PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD18 (0-2)

Date Sampled : 12/07/07 09:20 **Order #:** 1060862 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/10/07 **Submission #:** R2741248 **Percent Solid:** 42.4

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 12/11/07			
DATE ANALYZED : 12/13/07			
ANALYTICAL DILUTION: 5.00			Dry Weight
4,6-DINITRO-2-METHYLPHENOL	1700	20000 U J	UG/KG
4-CHLORO-3-METHYLPHENOL	330	3900 U	UG/KG
2-METHYLPHENOL	330	3900 U	UG/KG
4-METHYLPHENOL	330	3900 U	UG/KG
NAPHTHALENE	330	280 J J	UG/KG
2-NITROANILINE	1700	20000 U J	UG/KG
3-NITROANILINE	1700	20000 U	UG/KG
4-NITROANILINE	1700	20000 U	UG/KG
NITROBENZENE	330	3900 U	UG/KG
2-NITROPHENOL	330	3900 U	UG/KG
4-NITROPHENOL	1700	20000 U	UG/KG
N-NITROSODIPHENYLAMINE	330	3900 U	UG/KG
DI-N-OCTYL PHTHALATE	330	3900 U	UG/KG
PENTACHLOROPHENOL	1700	20000 U	UG/KG
PHENANTHRENE	330	2800 J J	UG/KG
PHENOL	330	3900 U J	UG/KG
4-BROMOPHENYL-PHENYLETHER	330	3900 U	UG/KG
4-CHLOROPHENYL-PHENYLETHER	330	3900 U	UG/KG
N-NITROSO-DI-N-PROPYLAMINE	330	3900 U	UG/KG
PYRENE	330	5000 J	UG/KG
2,4,6-TRICHLOROPHENOL	330	3900 U J	UG/KG
2,4,5-TRICHLOROPHENOL	330	3900 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
TERPHENYL-d14	(48 - 131 %)	76	%
NITROBENZENE-d5	(27 - 130 %)	69	%
PHENOL-d6	(10 - 133 %)	67	%
2-FLUOROBIPHENYL	(32 - 130 %)	69	%
2-FLUOROPHENOL	(10 - 130 %)	61	%
2,4,6-TRIBROMOPHENOL	(33 - 139 %)	67	%

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8270C SEMIVOLATILES
Reported: 01/09/08

ENSR International
Project Reference: CON EDISON - PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD18 (5-6)

Date Sampled : 12/07/07 09:15 **Order #:** 1060863 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/10/07 **Submission #:** R2741248 **Percent Solid:** 73.1

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 12/11/07			
DATE ANALYZED : 12/13/07			
ANALYTICAL DILUTION: 1.00			Dry Weight
ACENAPHTHENE	330	470	UG/KG
ACENAPHTHYLENE	330	130 J	UG/KG
ACETOPHENONE	330	450 U	UG/KG
ANTHRACENE	330	270 J	UG/KG
ATRAZINE	330	450 U	UG/KG
BENZALDEHYDE	330	450 UJ	UG/KG
BENZO(A)ANTHRACENE	330	370 J	UG/KG
BENZO(A)PYRENE	330	370 J	UG/KG
BENZO(B)FLUORANTHENE	330	250 J	UG/KG
BENZO(G,H,I)PERYLENE	330	220 J	UG/KG
BENZO(K)FLUORANTHENE	330	270 J	UG/KG
1,1'-BIPHENYL	330	450 U	UG/KG
BUTYL BENZYL PHTHALATE	330	450 U	UG/KG
DI-N-BUTYLPHTHALATE	330	450 U	UG/KG
CAPROLACTAM	330	450 U	UG/KG
CARBAZOLE	330	450 U	UG/KG
INDENO(1,2,3-CD)PYRENE	330	180 J	UG/KG
4-CHLOROANILINE	330	450 U	UG/KG
BIS(-2-CHLOROETHOXY)METHANE	330	450 U	UG/KG
BIS(2-CHLOROETHYL)ETHER	330	450 U	UG/KG
2-CHLORONAPHTHALENE	330	450 U	UG/KG
2-CHLOROPHENOL	330	450 U	UG/KG
2,2'-OXYBIS(1-CHLOROPROPANE)	330	450 U	UG/KG
CHRYSENE	330	420 J	UG/KG
DIBENZO(A,H)ANTHRACENE	330	62 J	UG/KG
DIBENZOFURAN	330	450 U	UG/KG
3,3'-DICHLOROBENZIDINE	330	450 U	UG/KG
2,4-DICHLOROPHENOL	330	450 U	UG/KG
DIETHYLPHTHALATE	330	450 U	UG/KG
DIMETHYL PHTHALATE	330	450 U	UG/KG
2,4-DIMETHYLPHENOL	330	450 U	UG/KG
2,4-DINITROPHENOL	1700	2300 UJ	UG/KG
2,4-DINITROTOLUENE	330	450 U	UG/KG
2,6-DINITROTOLUENE	330	450 U	UG/KG
BIS(2-ETHYLHEXYL)PHTHALATE	330	96 J	UG/KG
FLUORANTHENE	330	700	UG/KG
FLUORENE	330	220 J	UG/KG
HEXACHLOROBENZENE	330	450 U	UG/KG
HEXACHLOROBUTADIENE	330	450 U	UG/KG
HEXACHLOROCYCLOPENTADIENE	330	450 UJ	UG/KG
HEXACHLOROETHANE	330	450 U	UG/KG
ISOPHORONE	330	450 U	UG/KG
2-METHYLNAPHTHALENE	330	98 J	UG/KG

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8270C SEMIVOLATILES
Reported: 01/09/08

ENSR International
Project Reference: CON EDISON - PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD18 (5-6)

Date Sampled : 12/07/07 09:15 **Order #:** 1060863 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/10/07 **Submission #:** R2741248 **Percent Solid:** 73.1

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 12/11/07			
DATE ANALYZED : 12/13/07			
ANALYTICAL DILUTION: 1.00			Dry Weight
4,6-DINITRO-2-METHYLPHENOL	1700	2300 U	UG/KG
4-CHLORO-3-METHYLPHENOL	330	450 U	UG/KG
2-METHYLPHENOL	330	450 U	UG/KG
4-METHYLPHENOL	330	450 U	UG/KG
NAPHTHALENE	330	160 J	UG/KG
2-NITROANILINE	1700	2300 U	UG/KG
3-NITROANILINE	1700	2300 U	UG/KG
4-NITROANILINE	1700	2300 U	UG/KG
NITROBENZENE	330	450 U	UG/KG
2-NITROPHENOL	330	450 U	UG/KG
4-NITROPHENOL	1700	2300 U	UG/KG
N-NITROSODIPHENYLAMINE	330	450 U	UG/KG
DI-N-OCTYL PHTHALATE	330	450 U	UG/KG
PENTACHLOROPHENOL	1700	2300 U	UG/KG
PHENANTHRENE	330	850	UG/KG
PHENOL	330	450 U	UG/KG
4-BROMOPHENYL-PHENYLETHER	330	450 U	UG/KG
4-CHLOROPHENYL-PHENYLETHER	330	450 U	UG/KG
N-NITROSO-DI-N-PROPYLAMINE	330	450 U	UG/KG
PYRENE	330	820	UG/KG
2,4,6-TRICHLOROPHENOL	330	450 U	UG/KG
2,4,5-TRICHLOROPHENOL	330	450 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
TERPHENYL-d14	(48 - 131 %)	77	%
NITROBENZENE-d5	(27 - 130 %)	73	%
PHENOL-d6	(10 - 133 %)	75	%
2-FLUOROBIPHENYL	(32 - 130 %)	75	%
2-FLUOROPHENOL	(10 - 130 %)	66	%
2,4,6-TRIBROMOPHENOL	(33 - 139 %)	77	%

COLUMBIA ANALYTICAL SERVICES

Reported: 01/08/08

ENSR International
Project Reference: CON EDISON - PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD100

Date Sampled : 12/05/07 **Order #:** 1060855 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/10/07 **Submission #:** R2741248

ANALYTE	METHOD	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
PERCENT SOLIDS	160.3M	1.00	52.2	%	12/11/07	15:00	1.0
TOTAL ORGANIC CARBON	TOC.LK	300	87700	MG/KG	12/11/07	10:00	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 01/08/08

ENSR International
Project Reference: CON EDISON - PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD101

Date Sampled : 12/05/07 Order #: 1060856 Sample Matrix: SOIL/SEDIMENT
Date Received: 12/10/07 Submission #: R2741248

ANALYTE	METHOD	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
PERCENT SOLIDS	160.3M	1.00	74.1	%	12/11/07	15:00	1.0
TOTAL ORGANIC CARBON	TOC.LK	300	1640 J	MG/KG	12/11/07	10:00	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 01/08/08

ENSR International
Project Reference: CON EDISON - PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD102

Date Sampled : 12/06/07 Order #: 1060857 Sample Matrix: SOIL/SEDIMENT
Date Received: 12/10/07 Submission #: R2741248

ANALYTE	METHOD	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
PERCENT SOLIDS	160.3M	1.00	49.1	%	12/11/07	15:00	1.0
TOTAL ORGANIC CARBON	TOC.LK	300	79200 J	MG/KG	12/13/07	09:10	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 01/08/08

ENSR International
Project Reference: CON EDISON - PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD16 (0-2)

Date Sampled : 12/06/07 14:25 Order #: 1060858 Sample Matrix: SOIL/SEDIMENT
Date Received: 12/10/07 Submission #: R2741248

ANALYTE	METHOD	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
PERCENT SOLIDS	160.3M	1.00	48.2	%	12/11/07	15:00	1.0
TOTAL ORGANIC CARBON	TOC.LK	300	148000 J	MG/KG	12/13/07	09:10	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 01/08/08

ENSR International
Project Reference: CON EDISON - PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD17 (0-2)

Date Sampled : 12/06/07 15:25 Order #: 1060860 Sample Matrix: SOIL/SEDIMENT
Date Received: 12/10/07 Submission #: R2741248

ANALYTE	METHOD	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
PERCENT SOLIDS	160.3M	1.00	50.9	%	12/11/07	15:00	1.0
TOTAL ORGANIC CARBON	TOC.LK	300	66400	MG/KG	12/13/07	09:10	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 01/08/08

ENSR International
Project Reference: CON EDISON - PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD18 (0-2)

Date Sampled : 12/07/07 09:20 Order #: 1060862 Sample Matrix: SOIL/SEDIMENT
Date Received: 12/10/07 Submission #: R2741248

ANALYTE	METHOD	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
PERCENT SOLIDS	160.3M	1.00	42.4	%	12/11/07	15:00	1.0
PH	9045	1.00	7.06	S.U.	12/14/07	15:00	1.0
TOTAL ORGANIC CARBON	TOC.LK	300	36000 J	MG/KG	12/13/07	09:10	1.0

Validated Results - CAS SDG R2741275

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B
Reported: 01/14/08

ENSR International
Project Reference: CON EDISON - PEMART AVE
Client Sample ID : EQBL1

Date Sampled : 12/11/07 15:35 **Order #:** 1061526 **Sample Matrix:** WATER
Date Received: 12/12/07 **Submission #:** R2741275 **Analytical Run** 155203

DATE ANALYZED : 12/17/07
ANALYTICAL DILUTION: 1.00

ANALYTE	PQL	RESULT	UNITS
ACETONE	10	2.0 J	UG/L
BENZENE	1.0	1.0 U	UG/L
BROMODICHLOROMETHANE	1.0	1.0 U	UG/L
BROMOFORM	1.0	1.0 U	UG/L
BROMOMETHANE	2.0	2.0 UJ	UG/L
2-BUTANONE (MEK)	5.0	5.0 U	UG/L
METHYL-TERT-BUTYL ETHER	1.0	1.0 U	UG/L
CARBON DISULFIDE	1.0	1.0 U	UG/L
CARBON TETRACHLORIDE	1.0	1.0 U	UG/L
CHLOROBENZENE	1.0	1.0 U	UG/L
CHLOROETHANE	2.0	2.0 U	UG/L
CHLOROFORM	1.0	1.0 U	UG/L
CHLOROMETHANE	2.0	2.0 U	UG/L
1,2-DIBROMO-3-CHLOROPROPANE	2.0	2.0 U	UG/L
CYCLOHEXANE	1.0	1.0 U	UG/L
DIBROMOCHLOROMETHANE	1.0	1.0 U	UG/L
1,2-DIBROMOETHANE	1.0	1.0 U	UG/L
1,3-DICHLOROBENZENE	1.0	1.0 U	UG/L
1,4-DICHLOROBENZENE	1.0	1.0 U	UG/L
1,2-DICHLOROBENZENE	1.0	1.0 U	UG/L
DICHLORODIFLUOROMETHANE	1.0	1.0 UJ	UG/L
1,1-DICHLOROETHANE	1.0	1.0 U	UG/L
1,2-DICHLOROETHANE	1.0	1.0 U	UG/L
1,1-DICHLOROETHENE	1.0	1.0 U	UG/L
CIS-1,2-DICHLOROETHENE	1.0	1.0 U	UG/L
TRANS-1,2-DICHLOROETHENE	1.0	1.0 U	UG/L
1,2-DICHLOROPROPANE	1.0	1.0 U	UG/L
CIS-1,3-DICHLOROPROPENE	1.0	1.0 U	UG/L
TRANS-1,3-DICHLOROPROPENE	1.0	1.0 U	UG/L
ETHYLBENZENE	1.0	1.0 U	UG/L
2-HEXANONE	5.0	5.0 U	UG/L
ISOPROPYLBENZENE	1.0	1.0 U	UG/L
METHYL ACETATE	10	10 U	UG/L
METHYLCYCLOHEXANE	1.0	1.0 U	UG/L
METHYLENE CHLORIDE	1.0	1.0 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	5.0	5.0 U	UG/L
STYRENE	1.0	1.0 U	UG/L
1,1,2,2-TETRACHLOROETHANE	1.0	1.0 U	UG/L
TETRACHLOROETHENE	1.0	1.0 U	UG/L
TOLUENE	1.0	1.0 U	UG/L
1,2,4-TRICHLOROBENZENE	1.0	1.0 U	UG/L
1,1,1-TRICHLOROETHANE	1.0	1.0 U	UG/L
1,1,2-TRICHLOROETHANE	1.0	1.0 U	UG/L
TRICHLOROETHENE	1.0	1.0 U	UG/L

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B
Reported: 01/14/08

ENSR International
Project Reference: CON EDISON - PEMART AVE
Client Sample ID : EQBL1

Date Sampled : 12/11/07 15:35 **Order #:** 1061526 **Sample Matrix:** WATER
Date Received: 12/12/07 **Submission #:** R2741275 **Analytical Run** 155203

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 12/17/07			
ANALYTICAL DILUTION: 1.00			
TRICHLOROFLUOROMETHANE	1.0	1.0 U	UG/L
1,1,2-TRICHLORO1,2,2-TRIFLUOROETHA	1.0	1.0 U	UG/L
VINYL CHLORIDE	1.0	1.0 U	UG/L
O-XYLENE	1.0	1.0 U	UG/L
M+P-XYLENE	1.0	1.0 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(80 - 123 %)	99	%
TOLUENE-D8	(88 - 124 %)	99	%
DIBROMOFLUOROMETHANE	(89 - 115 %)	97	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B
Reported: 01/14/08

ENSR International
Project Reference: CON EDISON - PEMART AVE PROJECT #01869-126-240
Client Sample ID : EQBL2

Date Sampled : 12/12/07 16:15 **Order #:** 1062347 **Sample Matrix:** WATER
Date Received: 12/14/07 **Submission #:** R2741275 **Analytical Run** 155203

DATE ANALYZED : 12/17/07
ANALYTICAL DILUTION: 1.00

ANALYTE	PQL	RESULT	UNITS
ACETONE	10	2.5 J	UG/L
BENZENE	1.0	1.0 U	UG/L
BROMODICHLOROMETHANE	1.0	1.0 U	UG/L
BROMOFORM	1.0	1.0 U	UG/L
BROMOMETHANE	2.0	2.0 UJ	UG/L
2-BUTANONE (MEK)	5.0	5.0 U	UG/L
METHYL-TERT-BUTYL ETHER	1.0	1.0 U	UG/L
CARBON DISULFIDE	1.0	1.0 U	UG/L
CARBON TETRACHLORIDE	1.0	1.0 U	UG/L
CHLOROBENZENE	1.0	1.0 U	UG/L
CHLOROETHANE	2.0	2.0 U	UG/L
CHLOROFORM	1.0	1.0 U	UG/L
CHLOROMETHANE	2.0	0.77 J	UG/L
1,2-DIBROMO-3-CHLOROPROPANE	2.0	2.0 U	UG/L
CYCLOHEXANE	1.0	1.0 U	UG/L
DIBROMOCHLOROMETHANE	1.0	1.0 U	UG/L
1,2-DIBROMOETHANE	1.0	1.0 U	UG/L
1,3-DICHLOROBENZENE	1.0	1.0 U	UG/L
1,4-DICHLOROBENZENE	1.0	1.0 U	UG/L
1,2-DICHLOROBENZENE	1.0	1.0 U	UG/L
DICHLORODIFLUOROMETHANE	1.0	1.0 UJ	UG/L
1,1-DICHLOROETHANE	1.0	1.0 U	UG/L
1,2-DICHLOROETHANE	1.0	1.0 U	UG/L
1,1-DICHLOROETHENE	1.0	1.0 U	UG/L
CIS-1,2-DICHLOROETHENE	1.0	1.0 U	UG/L
TRANS-1,2-DICHLOROETHENE	1.0	1.0 U	UG/L
1,2-DICHLOROPROPANE	1.0	1.0 U	UG/L
CIS-1,3-DICHLOROPROPENE	1.0	1.0 U	UG/L
TRANS-1,3-DICHLOROPROPENE	1.0	1.0 U	UG/L
ETHYLBENZENE	1.0	1.0 U	UG/L
2-HEXANONE	5.0	5.0 U	UG/L
ISOPROPYLBENZENE	1.0	1.0 U	UG/L
METHYL ACETATE	10	10 U	UG/L
METHYLCYCLOHEXANE	1.0	1.0 U	UG/L
METHYLENE CHLORIDE	1.0	1.0 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	5.0	5.0 U	UG/L
STYRENE	1.0	1.0 U	UG/L
1,1,2,2-TETRACHLOROETHANE	1.0	1.0 U	UG/L
TETRACHLOROETHENE	1.0	1.0 U	UG/L
TOLUENE	1.0	1.0 U	UG/L
1,2,4-TRICHLOROBENZENE	1.0	1.0 U	UG/L
1,1,1-TRICHLOROETHANE	1.0	1.0 U	UG/L
1,1,2-TRICHLOROETHANE	1.0	1.0 U	UG/L
TRICHLOROETHENE	1.0	1.0 U	UG/L

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B
Reported: 01/14/08

ENSR International
Project Reference: CON EDISON - PEMART AVE PROJECT #01869-126-240
Client Sample ID : EQBL2

Date Sampled : 12/12/07 16:15 **Order #:** 1062347 **Sample Matrix:** WATER
Date Received: 12/14/07 **Submission #:** R2741275 **Analytical Run** 155203

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 12/17/07			
ANALYTICAL DILUTION: 1.00			
TRICHLOROFLUOROMETHANE	1.0	1.0 U	UG/L
1,1,2-TRICHLORO1,2,2-TRIFLUOROETHA	1.0	1.0 U	UG/L
VINYL CHLORIDE	1.0	1.0 U	UG/L
O-XYLENE	1.0	1.0 U	UG/L
M+P-XYLENE	1.0	1.0 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(80 - 123 %)	98	%
TOLUENE-D8	(88 - 124 %)	98	%
DIBROMOFLUOROMETHANE	(89 - 115 %)	97	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B
Reported: 01/14/08

ENSR International
Project Reference: CON EDISON - PEMART AVE
Client Sample ID : SD21 (0-2)

Date Sampled : 12/10/07 15:20 **Order #:** 1061521 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/12/07 **Submission #:** R2741275 **Percent Solid:** 56.3

DATE ANALYZED : 12/19/07
ANALYTICAL DILUTION: 1000.00

ANALYTE	PQL	RESULT	UNITS
			Dry Weight
ACETONE	20	36,000 U ~~1300 J~~	UG/KG
BENZENE	5.0	13000	UG/KG
BROMODICHLOROMETHANE	5.0	8900 U	UG/KG
BROMOFORM	5.0	8900 U	UG/KG
BROMOMETHANE	5.0	8900 U	UG/KG
2-BUTANONE (MEK)	10	18000 U	UG/KG
METHYL-TERT-BUTYL ETHER	5.0	8900 U	UG/KG
CARBON DISULFIDE	10	640 J	UG/KG
CARBON TETRACHLORIDE	5.0	8900 U	UG/KG
CHLOROBENZENE	5.0	8900 U	UG/KG
CHLOROETHANE	10	18000 U	UG/KG
CHLOROFORM	5.0	8900 U	UG/KG
CHLOROMETHANE	5.0	8900 U	UG/KG
1,2-DIBROMO-3-CHLOROPROPANE	5.0	8900 UJ	UG/KG
CYCLOHEXANE	5.0	8900 U	UG/KG
DIBROMOCHLOROMETHANE	5.0	8900 U	UG/KG
1,2-DIBROMOETHANE	5.0	8900 U	UG/KG
1,3-DICHLOROBENZENE	5.0	8900 U	UG/KG
1,4-DICHLOROBENZENE	5.0	8900 U	UG/KG
1,2-DICHLOROBENZENE	5.0	8900 U	UG/KG
DICHLORODIFLUOROMETHANE	5.0	8900 U	UG/KG
1,1-DICHLOROETHANE	5.0	8900 U	UG/KG
1,2-DICHLOROETHANE	5.0	8900 U	UG/KG
1,1-DICHLOROETHENE	5.0	8900 U	UG/KG
CIS-1,2-DICHLOROETHENE	5.0	8900 U	UG/KG
TRANS-1,2-DICHLOROETHENE	5.0	8900 U	UG/KG
1,2-DICHLOROPROPANE	5.0	8900 U	UG/KG
CIS-1,3-DICHLOROPROPENE	5.0	8900 U	UG/KG
TRANS-1,3-DICHLOROPROPENE	5.0	8900 U	UG/KG
ETHYLBENZENE	5.0	320000	UG/KG
2-HEXANONE	10	18000 U	UG/KG
ISOPROPYLBENZENE	5.0	52000	UG/KG
METHYL ACETATE	10	18000 U	UG/KG
METHYLCYCLOHEXANE	5.0	8900 U	UG/KG
METHYLENE CHLORIDE	5.0	8900 U ~~500 JB~~	UG/KG
4-METHYL-2-PENTANONE (MIBK)	10	18000 U	UG/KG
STYRENE	5.0	8900 U	UG/KG
1,1,2,2-TETRACHLOROETHANE	5.0	8900 U	UG/KG
TETRACHLOROETHENE	5.0	8900 U	UG/KG
TOLUENE	5.0	1800 J	UG/KG
1,2,4-TRICHLOROBENZENE	5.0	8900 U	UG/KG
1,1,1-TRICHLOROETHANE	5.0	8900 U	UG/KG
1,1,2-TRICHLOROETHANE	5.0	8900 U	UG/KG
TRICHLOROETHENE	5.0	8900 U	UG/KG

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B
Reported: 01/14/08

ENSR International
Project Reference: CON EDISON - PEMART AVE
Client Sample ID : SD21 (0-2)

Date Sampled : 12/10/07 15:20 **Order #:** 1061521 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/12/07 **Submission #:** R2741275 **Percent Solid:** 56.3

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 12/19/07			
ANALYTICAL DILUTION: 1000.00			Dry Weight
TRICHLOROFLUOROMETHANE	5.0	8900 U	UG/KG
1,1,2-TRICHLORO1,2,2-TRIFLUOROETHA	5.0	8900 U	UG/KG
VINYL CHLORIDE	5.0	8900 U	UG/KG
O-XYLENE	5.0	170000	UG/KG
M+P-XYLENE	5.0	15000	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(50 - 135 %)	120	%
TOLUENE-D8	(75 - 128 %)	115	%
DIBROMOFLUOROMETHANE	(58 - 133 %)	104	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B
Reported: 01/14/08

ENSR International
Project Reference: CON EDISON - PEMART AVE
Client Sample ID : SD21 (4-5)

Date Sampled : 12/10/07 15:20 **Order #:** 1061522 **Sample Matrix:** SOIL/SEDIMEN
Date Received: 12/12/07 **Submission #:** R2741275 **Percent Solid:** 69.7

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 12/18/07			
ANALYTICAL DILUTION: 5.00			Dry Weight
ACETONE	20	1404 ~~32 J~~	UG/KG
BENZENE	5.0	47	UG/KG
BROMODICHLOROMETHANE	5.0	36 U	UG/KG
BROMOFORM	5.0	36 U	UG/KG
BROMOMETHANE	5.0	36 U	UG/KG
2-BUTANONE (MEK)	10	72 U	UG/KG
METHYL-TERT-BUTYL ETHER	5.0	36 U	UG/KG
CARBON DISULFIDE	10	12 J	UG/KG
CARBON TETRACHLORIDE	5.0	36 U	UG/KG
CHLOROBENZENE	5.0	36 U	UG/KG
CHLOROETHANE	10	72 U	UG/KG
CHLOROFORM	5.0	36 U	UG/KG
CHLOROMETHANE	5.0	36 U	UG/KG
1,2-DIBROMO-3-CHLOROPROPANE	5.0	36 U	UG/KG
CYCLOHEXANE	5.0	36 U	UG/KG
DIBROMOCHLOROMETHANE	5.0	36 U	UG/KG
1,2-DIBROMOETHANE	5.0	36 U	UG/KG
1,3-DICHLOROBENZENE	5.0	36 U	UG/KG
1,4-DICHLOROBENZENE	5.0	36 U	UG/KG
1,2-DICHLOROBENZENE	5.0	36 U	UG/KG
DICHLORODIFLUOROMETHANE	5.0	36 U	UG/KG
1,1-DICHLOROETHANE	5.0	36 U	UG/KG
1,2-DICHLOROETHANE	5.0	36 U	UG/KG
1,1-DICHLOROETHENE	5.0	4.6 J	UG/KG
CIS-1,2-DICHLOROETHENE	5.0	320	UG/KG
TRANS-1,2-DICHLOROETHENE	5.0	26 J	UG/KG
1,2-DICHLOROPROPANE	5.0	36 U	UG/KG
CIS-1,3-DICHLOROPROPENE	5.0	36 U	UG/KG
TRANS-1,3-DICHLOROPROPENE	5.0	36 U	UG/KG
ETHYLBENZENE	5.0	720	UG/KG
2-HEXANONE	10	72 U	UG/KG
ISOPROPYLBENZENE	5.0	140	UG/KG
METHYL ACETATE	10	72 U	UG/KG
METHYLCYCLOHEXANE	5.0	36 U	UG/KG
METHYLENE CHLORIDE	5.0	36 U	UG/KG
4-METHYL-2-PENTANONE (MIBK)	10	72 U	UG/KG
STYRENE	5.0	36 U	UG/KG
1,1,2,2-TETRACHLOROETHANE	5.0	36 U	UG/KG
TETRACHLOROETHENE	5.0	6.0 J	UG/KG
TOLUENE	5.0	36U ~~5.7 JB~~	UG/KG
1,2,4-TRICHLOROBENZENE	5.0	36 U	UG/KG
1,1,1-TRICHLOROETHANE	5.0	36 U	UG/KG
1,1,2-TRICHLOROETHANE	5.0	36 U	UG/KG
~~TRICHLOROETHENE~~	~~5.0~~	~~4700 E~~	~~UG/KG~~ do not report

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B
Reported: 01/14/08

ENSR International
Project Reference: CON EDISON - PEMART AVE
Client Sample ID : SD21 (4-5)

Date Sampled : 12/10/07 15:20 **Order #:** 1061522 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/12/07 **Submission #:** R2741275 **Percent Solid:** 69.7

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 12/18/07			
ANALYTICAL DILUTION: 5.00			Dry Weight
TRICHLOROFLUOROMETHANE	5.0	36 U	UG/KG
1,1,2-TRICHLORO1,2,2-TRIFLUOROETHA	5.0	36 U	UG/KG
VINYL CHLORIDE	5.0	17 J	UG/KG
O-XYLENE	5.0	340	UG/KG
M+P-XYLENE	5.0	36	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(50 - 135 %)	94	%
TOLUENE-D8	(75 - 128 %)	90	%
DIBROMOFLUOROMETHANE	(58 - 133 %)	92	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B
Reported: 01/14/08

Report circled result only

ENSR International
Project Reference: CON EDISON - PEMART AVE
Client Sample ID : SD21 (4-5)

Date Sampled : 12/10/07 15:20 Order #: 1061522 Sample Matrix: SOIL/SEDIMENT
Date Received: 12/12/07 Submission #: R2741275 Percent Solid: 69.7

DATE ANALYZED : 12/19/07
ANALYTICAL DILUTION: 125.00

ANALYTE	PQL	RESULT	UNITS
			Dry Weight
ACETONE	20	3600 U	UG/KG
BENZENE	5.0	46 J	UG/KG
BROMODICHLOROMETHANE	5.0	900 U	UG/KG
BROMOFORM	5.0	900 U	UG/KG
BROMOMETHANE	5.0	900 U	UG/KG
2-BUTANONE (MEK)	10	200 JB	UG/KG
METHYL-TERT-BUTYL ETHER	5.0	900 U	UG/KG
CARBON DISULFIDE	10	1800 U	UG/KG
CARBON TETRACHLORIDE	5.0	900 U	UG/KG
CHLOROBENZENE	5.0	900 U	UG/KG
CHLOROETHANE	10	1800 U	UG/KG
CHLOROFORM	5.0	900 U	UG/KG
CHLOROMETHANE	5.0	900 U	UG/KG
1,2-DIBROMO-3-CHLOROPROPANE	5.0	900 U	UG/KG
CYCLOHEXANE	5.0	900 U	UG/KG
DIBROMOCHLOROMETHANE	5.0	900 U	UG/KG
1,2-DIBROMOETHANE	5.0	900 U	UG/KG
1,3-DICHLOROBENZENE	5.0	900 U	UG/KG
1,4-DICHLOROBENZENE	5.0	900 U	UG/KG
1,2-DICHLOROBENZENE	5.0	900 U	UG/KG
DICHLORODIFLUOROMETHANE	5.0	900 U	UG/KG
1,1-DICHLOROETHANE	5.0	900 U	UG/KG
1,2-DICHLOROETHANE	5.0	900 U	UG/KG
1,1-DICHLOROETHENE	5.0	900 U	UG/KG
CIS-1,2-DICHLOROETHENE	5.0	260 J	UG/KG
TRANS-1,2-DICHLOROETHENE	5.0	900 U	UG/KG
1,2-DICHLOROPROPANE	5.0	900 U	UG/KG
CIS-1,3-DICHLOROPROPENE	5.0	900 U	UG/KG
TRANS-1,3-DICHLOROPROPENE	5.0	900 U	UG/KG
ETHYLBENZENE	5.0	1100	UG/KG
2-HEXANONE	10	1800 U	UG/KG
ISOPROPYLBENZENE	5.0	230 J	UG/KG
METHYL ACETATE	10	1800 U	UG/KG
METHYLCYCLOHEXANE	5.0	900 U	UG/KG
METHYLENE CHLORIDE	5.0	49 JB	UG/KG
4-METHYL-2-PENTANONE (MIBK)	10	1800 U	UG/KG
STYRENE	5.0	900 U	UG/KG
1,1,2,2-TETRACHLOROETHANE	5.0	900 U	UG/KG
TETRACHLOROETHENE	5.0	900 U	UG/KG
TOLUENE	5.0	900 U	UG/KG
1,2,4-TRICHLOROBENZENE	5.0	900 U	UG/KG
1,1,1-TRICHLOROETHANE	5.0	900 U	UG/KG
1,1,2-TRICHLOROETHANE	5.0	900 U	UG/KG
TRICHLOROETHENE	5.0	4300 D	UG/KG

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B
Reported: 01/14/08

ENSR International
Project Reference: CON EDISON - PEMART AVE
Client Sample ID : SD21 (4-5)

Date Sampled : 12/10/07 15:20 **Order #:** 1061522 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/12/07 **Submission #:** R2741275 **Percent Solid:** 69.7

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 12/19/07			
ANALYTICAL DILUTION: 125.00			Dry Weight
TRICHLOROFLUOROMETHANE	5.0	900 U	UG/KG
1,1,2-TRICHLOR01,2,2-TRIFLUOROETHA	5.0	900 U	UG/KG
VINYL CHLORIDE	5.0	900 U	UG/KG
O-XYLENE	5.0	500 J	UG/KG
M+P-XYLENE	5.0	50 J	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(50 - 135 %)	118	%
TOLUENE-D8	(75 - 128 %)	116	%
DIBROMOFLUOROMETHANE	(58 - 133 %)	102	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B
Reported: 01/14/08

ENSR International
Project Reference: CON EDISON - PEMART AVE
Client Sample ID : SD22 (7-9)

Date Sampled : 12/11/07 08:55 Order #: 1061524 Sample Matrix: SOIL/SEDIMENT
Date Received: 12/12/07 Submission #: R2741275 Percent Solid: 59.7

DATE ANALYZED : 12/14/07
ANALYTICAL DILUTION: 1.00

ANALYTE	PQL	RESULT	UNITS
			Dry Weight
ACETONE	20	52	UG/KG
BENZENE	5.0	8.4 U	UG/KG
BROMODICHLOROMETHANE	5.0	8.4 U	UG/KG
BROMOFORM	5.0	8.4 U	UG/KG
BROMOMETHANE	5.0	8.4 U	UG/KG
2-BUTANONE (MEK)	10	14 J	UG/KG
METHYL-TERT-BUTYL ETHER	5.0	8.4 U	UG/KG
CARBON DISULFIDE	10	1.2 J	UG/KG
CARBON TETRACHLORIDE	5.0	8.4 U	UG/KG
CHLOROBENZENE	5.0	8.4 U	UG/KG
CHLOROETHANE	10	17 U	UG/KG
CHLOROFORM	5.0	8.4 U	UG/KG
CHLOROMETHANE	5.0	8.4 U	UG/KG
1,2-DIBROMO-3-CHLOROPROPANE	5.0	8.4 U	UG/KG
CYCLOHEXANE	5.0	8.4 U	UG/KG
DIBROMOCHLOROMETHANE	5.0	8.4 U	UG/KG
1,2-DIBROMOETHANE	5.0	8.4 U	UG/KG
1,3-DICHLOROBENZENE	5.0	8.4 U	UG/KG
1,4-DICHLOROBENZENE	5.0	8.4 U	UG/KG
1,2-DICHLOROBENZENE	5.0	8.4 U	UG/KG
DICHLORODIFLUOROMETHANE	5.0	8.4 U	UG/KG
1,1-DICHLOROETHANE	5.0	8.4 U	UG/KG
1,2-DICHLOROETHANE	5.0	8.4 U	UG/KG
1,1-DICHLOROETHENE	5.0	8.4 U	UG/KG
CIS-1,2-DICHLOROETHENE	5.0	8.4 U	UG/KG
TRANS-1,2-DICHLOROETHENE	5.0	8.4 U	UG/KG
1,2-DICHLOROPROPANE	5.0	8.4 U	UG/KG
CIS-1,3-DICHLOROPROPENE	5.0	8.4 U	UG/KG
TRANS-1,3-DICHLOROPROPENE	5.0	8.4 U	UG/KG
ETHYLBENZENE	5.0	8.4 U	UG/KG
2-HEXANONE	10	17 U	UG/KG
ISOPROPYLBENZENE	5.0	12	UG/KG
METHYL ACETATE	10	17 U	UG/KG
METHYLCYCLOHEXANE	5.0	1.1 J	UG/KG
METHYLENE CHLORIDE	5.0	8.4 U	UG/KG
4-METHYL-2-PENTANONE (MIBK)	10	17 U	UG/KG
STYRENE	5.0	8.4 U	UG/KG
1,1,2,2-TETRACHLOROETHANE	5.0	8.4 U	UG/KG
TETRACHLOROETHENE	5.0	8.4 U	UG/KG
TOLUENE	5.0	1.0 J	UG/KG
1,2,4-TRICHLOROBENZENE	5.0	8.4 U	UG/KG
1,1,1-TRICHLOROETHANE	5.0	8.4 U	UG/KG
1,1,2-TRICHLOROETHANE	5.0	8.4 U	UG/KG
TRICHLOROETHENE	5.0	8.4 U	UG/KG

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B
Reported: 01/14/08

ENSR International
Project Reference: CON EDISON - PEMART AVE
Client Sample ID : SD22 (7-9)

Date Sampled : 12/11/07 08:55 **Order #:** 1061524 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/12/07 **Submission #:** R2741275 **Percent Solid:** 59.7

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 12/14/07			
ANALYTICAL DILUTION: 1.00			Dry Weight
TRICHLOROFLUOROMETHANE	5.0	8.4 U	UG/KG
1,1,2-TRICHLORO1,2,2-TRIFLUOROETHA	5.0	8.4 U	UG/KG
VINYL CHLORIDE	5.0	8.4 U	UG/KG
O-XYLENE	5.0	8.4 U	UG/KG
M+P-XYLENE	5.0	8.4 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(50 - 135 %)	83	%
TOLUENE-D8	(75 - 128 %)	96	%
DIBROMOFLUOROMETHANE	(58 - 133 %)	91	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B
Reported: 01/14/08

ENSR International
Project Reference: CON EDISON - PEMART AVE
Client Sample ID : SD22 (13-15)

Date Sampled : 12/11/07 09:00 **Order #:** 1061525 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/12/07 **Submission #:** R2741275 **Percent Solid:** 34.0

DATE ANALYZED : 12/14/07
ANALYTICAL DILUTION: 1.00

ANALYTE	PQL	RESULT	UNITS
			Dry Weight
ACETONE	20	59 J ~~56 J~~	UG/KG
BENZENE	5.0	15 U J	UG/KG
BROMODICHLOROMETHANE	5.0	15 U J	UG/KG
BROMOFORM	5.0	15 U J	UG/KG
BROMOMETHANE	5.0	15 U J	UG/KG
2-BUTANONE (MEK)	10	13 J J	UG/KG
METHYL-TERT-BUTYL ETHER	5.0	15 U J	UG/KG
CARBON DISULFIDE	10	2.1 J J	UG/KG
CARBON TETRACHLORIDE	5.0	15 U J	UG/KG
CHLOROBENZENE	5.0	15 U	UG/KG
CHLOROETHANE	10	29 U	UG/KG
CHLOROFORM	5.0	15 U	UG/KG
CHLOROMETHANE	5.0	15 U	UG/KG
1,2-DIBROMO-3-CHLOROPROPANE	5.0	15 U	UG/KG
CYCLOHEXANE	5.0	15 U	UG/KG
DIBROMOCHLOROMETHANE	5.0	15 U	UG/KG
1,2-DIBROMOETHANE	5.0	15 U J	UG/KG
1,3-DICHLOROBENZENE	5.0	15 U J	UG/KG
1,4-DICHLOROBENZENE	5.0	15 U J	UG/KG
1,2-DICHLOROBENZENE	5.0	15 U J	UG/KG
DICHLORODIFLUOROMETHANE	5.0	15 U J	UG/KG
1,1-DICHLOROETHANE	5.0	15 U	UG/KG
1,2-DICHLOROETHANE	5.0	15 U	UG/KG
1,1-DICHLOROETHENE	5.0	15 U	UG/KG
CIS-1,2-DICHLOROETHENE	5.0	15 U	UG/KG
TRANS-1,2-DICHLOROETHENE	5.0	15 U	UG/KG
1,2-DICHLOROPROPANE	5.0	15 U	UG/KG
CIS-1,3-DICHLOROPROPENE	5.0	15 U J	UG/KG
TRANS-1,3-DICHLOROPROPENE	5.0	15 U J	UG/KG
ETHYLBENZENE	5.0	15 U J	UG/KG
2-HEXANONE	10	29 U	UG/KG
ISOPROPYLBENZENE	5.0	15 U	UG/KG
METHYL ACETATE	10	29 U	UG/KG
METHYLCYCLOHEXANE	5.0	15 U	UG/KG
METHYLENE CHLORIDE	5.0	15 U	UG/KG
4-METHYL-2-PENTANONE (MIBK)	10	29 U	UG/KG
STYRENE	5.0	15 U J	UG/KG
1,1,2,2-TETRACHLOROETHANE	5.0	15 U J	UG/KG
TETRACHLOROETHENE	5.0	15 U	UG/KG
TOLUENE	5.0	1.2 J J	UG/KG
1,2,4-TRICHLOROBENZENE	5.0	15 U J	UG/KG
1,1,1-TRICHLOROETHANE	5.0	15 U J	UG/KG
1,1,2-TRICHLOROETHANE	5.0	15 U	UG/KG
TRICHLOROETHENE	5.0	15 U	UG/KG

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B
Reported: 01/14/08

ENSR International
Project Reference: CON EDISON - PEMART AVE
Client Sample ID : SD22 (13-15)

Date Sampled : 12/11/07 09:00 **Order #:** 1061525 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/12/07 **Submission #:** R2741275 **Percent Solid:** 34.0

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 12/14/07			
ANALYTICAL DILUTION: 1.00			Dry Weight
TRICHLOROFLUOROMETHANE	5.0	15 U J	UG/KG
1,1,2-TRICHLORO1,2,2-TRIFLUOROETHA	5.0	15 U	UG/KG
VINYL CHLORIDE	5.0	15 U	UG/KG
O-XYLENE	5.0	15 U	UG/KG
M+P-XYLENE	5.0	15 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(50 - 135 %)	85	%
TOLUENE-D8	(75 - 128 %)	92	%
DIBROMOFLUOROMETHANE	(58 - 133 %)	95	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B
Reported: 01/14/08

ENSR International
Project Reference: CON EDISON - PEMART AVE
Client Sample ID : SD23 (3-5)

Date Sampled : 12/11/07 10:00 **Order #:** 1061527 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/12/07 **Submission #:** R2741275 **Percent Solid:** 37.5

DATE ANALYZED : 12/14/07
ANALYTICAL DILUTION: 1.00

ANALYTE	PQL	RESULT	UNITS
			Dry Weight
ACETONE	20	130 J	UG/KG
BENZENE	5.0	13 U J	UG/KG
BROMODICHLOROMETHANE	5.0	13 U	UG/KG
BROMOFORM	5.0	13 U	UG/KG
BROMOMETHANE	5.0	13 U	UG/KG
2-BUTANONE (MEK)	10	27 J	UG/KG
METHYL-TERT-BUTYL ETHER	5.0	13 U J	UG/KG
CARBON DISULFIDE	10	1.7 J J	UG/KG
CARBON TETRACHLORIDE	5.0	13 U J	UG/KG
CHLOROBENZENE	5.0	13 U	UG/KG
CHLOROETHANE	10	27 U	UG/KG
CHLOROFORM	5.0	13 U	UG/KG
CHLOROMETHANE	5.0	13 U	UG/KG
1,2-DIBROMO-3-CHLOROPROPANE	5.0	13 U	UG/KG
CYCLOHEXANE	5.0	13 U	UG/KG
DIBROMOCHLOROMETHANE	5.0	13 U	UG/KG
1,2-DIBROMOETHANE	5.0	13 U	UG/KG
1,3-DICHLOROBENZENE	5.0	13 U	UG/KG
1,4-DICHLOROBENZENE	5.0	13 U	UG/KG
1,2-DICHLOROBENZENE	5.0	13 U	UG/KG
DICHLORODIFLUOROMETHANE	5.0	13 U	UG/KG
1,1-DICHLOROETHANE	5.0	13 U	UG/KG
1,2-DICHLOROETHANE	5.0	13 U	UG/KG
1,1-DICHLOROETHENE	5.0	13 U	UG/KG
CIS-1,2-DICHLOROETHENE	5.0	13 U	UG/KG
TRANS-1,2-DICHLOROETHENE	5.0	13 U	UG/KG
1,2-DICHLOROPROPANE	5.0	13 U	UG/KG
CIS-1,3-DICHLOROPROPENE	5.0	13 U	UG/KG
TRANS-1,3-DICHLOROPROPENE	5.0	13 U	UG/KG
ETHYLBENZENE	5.0	13 U	UG/KG
2-HEXANONE	10	27 U	UG/KG
ISOPROPYLBENZENE	5.0	13 U	UG/KG
METHYL ACETATE	10	27 U	UG/KG
METHYLCYCLOHEXANE	5.0	13 U	UG/KG
METHYLENE CHLORIDE	5.0	13 U J ~~0.99 JB~~	UG/KG
4-METHYL-2-PENTANONE (MIBK)	10	27 U J	UG/KG
STYRENE	5.0	13 U	UG/KG
1,1,2,2-TETRACHLOROETHANE	5.0	13 U	UG/KG
TETRACHLOROETHENE	5.0	13 U	UG/KG
TOLUENE	5.0	2.5 J J	UG/KG
1,2,4-TRICHLOROBENZENE	5.0	13 U J	UG/KG
1,1,1-TRICHLOROETHANE	5.0	13 U	UG/KG
1,1,2-TRICHLOROETHANE	5.0	13 U	UG/KG
TRICHLOROETHENE	5.0	13 U	UG/KG

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B
Reported: 01/14/08

ENSR International
Project Reference: CON EDISON - PEMART AVE
Client Sample ID : SD23 (3-5)

Date Sampled : 12/11/07 10:00 **Order #:** 1061527 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/12/07 **Submission #:** R2741275 **Percent Solid:** 37.5

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 12/14/07			
ANALYTICAL DILUTION: 1.00			Dry Weight
TRICHLOROFLUOROMETHANE	5.0	13 UJ	UG/KG
1,1,2-TRICHLORO1,2,2-TRIFLUOROETHA	5.0	13 U	UG/KG
VINYL CHLORIDE	5.0	13 U	UG/KG
O-XYLENE	5.0	13 U	UG/KG
M+P-XYLENE	5.0	13 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(50 - 135 %)	78	%
TOLUENE-D8	(75 - 128 %)	96	%
DIBROMOFLUOROMETHANE	(58 - 133 %)	93	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B
Reported: 01/14/08

ENSR International
Project Reference: CON EDISON - PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD25 (3-4)

Date Sampled : 12/12/07 15:10 **Order #:** 1062341 **Sample Matrix:** SOIL/SEDIMEN
Date Received: 12/14/07 **Submission #:** R2741275 **Percent Solid:** 51.3

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 12/18/07			
ANALYTICAL DILUTION: 1.00			Dry Weight
ACETONE	20	190	UG/KG
BENZENE	5.0	31	UG/KG
BROMODICHLOROMETHANE	5.0	9.7 U	UG/KG
BROMOFORM	5.0	9.7 U	UG/KG
BROMOMETHANE	5.0	9.7 U	UG/KG
2-BUTANONE (MEK)	10	55	UG/KG
METHYL-TERT-BUTYL ETHER	5.0	9.7 U	UG/KG
CARBON DISULFIDE	10	5.7 J	UG/KG
CARBON TETRACHLORIDE	5.0	9.7 U	UG/KG
CHLOROBENZENE	5.0	9.7 U	UG/KG
CHLOROETHANE	10	19 U	UG/KG
CHLOROFORM	5.0	9.7 U	UG/KG
CHLOROMETHANE	5.0	9.7 U	UG/KG
1,2-DIBROMO-3-CHLOROPROPANE	5.0	9.7 U	UG/KG
CYCLOHEXANE	5.0	9.7 U	UG/KG
DIBROMOCHLOROMETHANE	5.0	9.7 U	UG/KG
1,2-DIBROMOETHANE	5.0	9.7 U	UG/KG
1,3-DICHLOROBENZENE	5.0	9.7 U	UG/KG
1,4-DICHLOROBENZENE	5.0	9.7 U	UG/KG
1,2-DICHLOROBENZENE	5.0	9.7 U	UG/KG
DICHLORODIFLUOROMETHANE	5.0	9.7 U	UG/KG
1,1-DICHLOROETHANE	5.0	9.7 U	UG/KG
1,2-DICHLOROETHANE	5.0	9.7 U	UG/KG
1,1-DICHLOROETHENE	5.0	9.7 U	UG/KG
CIS-1,2-DICHLOROETHENE	5.0	9.7 U	UG/KG
TRANS-1,2-DICHLOROETHENE	5.0	9.7 U	UG/KG
1,2-DICHLOROPROPANE	5.0	9.7 U	UG/KG
CIS-1,3-DICHLOROPROPENE	5.0	9.7 U	UG/KG
TRANS-1,3-DICHLOROPROPENE	5.0	9.7 U	UG/KG
ETHYLBENZENE	5.0	1.8 J	UG/KG
2-HEXANONE	10	19 U	UG/KG
ISOPROPYLBENZENE	5.0	110	UG/KG
METHYL ACETATE	10	19 U	UG/KG
METHYLCYCLOHEXANE	5.0	1.6 J	UG/KG
METHYLENE CHLORIDE	5.0	9.7 U	UG/KG
4-METHYL-2-PENTANONE (MIBK)	10	19 U	UG/KG
STYRENE	5.0	9.7 U	UG/KG
1,1,2,2-TETRACHLOROETHANE	5.0	9.7 U	UG/KG
TETRACHLOROETHENE	5.0	9.7 U	UG/KG
TOLUENE	5.0	9.7 U ~~1.2 JB~~	UG/KG
1,2,4-TRICHLOROBENZENE	5.0	9.7 U	UG/KG
1,1,1-TRICHLOROETHANE	5.0	9.7 U	UG/KG
1,1,2-TRICHLOROETHANE	5.0	9.7 U	UG/KG
TRICHLOROETHENE	5.0	9.7 U	UG/KG

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B
Reported: 01/14/08

ENSR International
Project Reference: CON EDISON - PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD25 (3-4)

Date Sampled : 12/12/07 15:10 **Order #:** 1062341 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/14/07 **Submission #:** R2741275 **Percent Solid:** 51.3

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 12/18/07			
ANALYTICAL DILUTION: 1.00			Dry Weight
TRICHLOROFLUOROMETHANE	5.0	9.7 U	UG/KG
1,1,2-TRICHLORO1,2,2-TRIFLUOROETHA	5.0	9.7 U	UG/KG
VINYL CHLORIDE	5.0	9.7 U	UG/KG
O-XYLENE	5.0	2.7 J	UG/KG
M+P-XYLENE	5.0	19	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(50 - 135 %)	89	%
TOLUENE-D8	(75 - 128 %)	92	%
DIBROMOFLUOROMETHANE	(58 - 133 %)	88	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B
Reported: 01/14/08

ENSR International
Project Reference: CON EDISON - PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD25 (4-5)

Date Sampled : 12/12/07 15:15 **Order #:** 1062342 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/14/07 **Submission #:** R2741275 **Percent Solid:** 69.9

DATE ANALYZED : 12/18/07
ANALYTICAL DILUTION: 1.00

ANALYTE	PQL	RESULT	UNITS
			Dry Weight
ACETONE	20	294 ~~5.9 J~~	UG/KG
BENZENE	5.0	1.4 J	UG/KG
BROMODICHLOROMETHANE	5.0	7.2 U	UG/KG
BROMOFORM	5.0	7.2 U	UG/KG
BROMOMETHANE	5.0	7.2 U	UG/KG
2-BUTANONE (MEK)	10	14 U	UG/KG
METHYL-TERT-BUTYL ETHER	5.0	7.2 U	UG/KG
CARBON DISULFIDE	10	14 U	UG/KG
CARBON TETRACHLORIDE	5.0	7.2 U	UG/KG
CHLOROBENZENE	5.0	7.2 U	UG/KG
CHLOROETHANE	10	14 U	UG/KG
CHLOROFORM	5.0	7.2 U	UG/KG
CHLOROMETHANE	5.0	7.2 U	UG/KG
1,2-DIBROMO-3-CHLOROPROPANE	5.0	7.2 U	UG/KG
CYCLOHEXANE	5.0	7.2 U	UG/KG
DIBROMOCHLOROMETHANE	5.0	7.2 U	UG/KG
1,2-DIBROMOETHANE	5.0	7.2 U	UG/KG
1,3-DICHLOROBENZENE	5.0	7.2 U	UG/KG
1,4-DICHLOROBENZENE	5.0	7.2 U	UG/KG
1,2-DICHLOROBENZENE	5.0	7.2 U	UG/KG
DICHLORODIFLUOROMETHANE	5.0	7.2 U	UG/KG
1,1-DICHLOROETHANE	5.0	7.2 U	UG/KG
1,2-DICHLOROETHANE	5.0	7.2 U	UG/KG
1,1-DICHLOROETHENE	5.0	7.2 U	UG/KG
CIS-1,2-DICHLOROETHENE	5.0	7.2 U	UG/KG
TRANS-1,2-DICHLOROETHENE	5.0	7.2 U	UG/KG
1,2-DICHLOROPROPANE	5.0	7.2 U	UG/KG
CIS-1,3-DICHLOROPROPENE	5.0	7.2 U	UG/KG
TRANS-1,3-DICHLOROPROPENE	5.0	7.2 U	UG/KG
ETHYLBENZENE	5.0	1.1 J	UG/KG
2-HEXANONE	10	14 U	UG/KG
ISOPROPYLBENZENE	5.0	0.82 J	UG/KG
METHYL ACETATE	10	14 U	UG/KG
METHYLCYCLOHEXANE	5.0	7.2 U	UG/KG
METHYLENE CHLORIDE	5.0	7.2 ~~0.72 JB~~	UG/KG
4-METHYL-2-PENTANONE (MIBK)	10	14 U	UG/KG
STYRENE	5.0	7.2 U	UG/KG
1,1,2,2-TETRACHLOROETHANE	5.0	7.2 U	UG/KG
TETRACHLOROETHENE	5.0	7.2 U	UG/KG
TOLUENE	5.0	1.7 J	UG/KG
1,2,4-TRICHLOROBENZENE	5.0	7.2 U	UG/KG
1,1,1-TRICHLOROETHANE	5.0	7.2 U	UG/KG
1,1,2-TRICHLOROETHANE	5.0	7.2 U	UG/KG
TRICHLOROETHENE	5.0	7.2 U	UG/KG

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B
Reported: 01/14/08

ENSR International
Project Reference: CON EDISON - PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD25 (4-5)

Date Sampled : 12/12/07 15:15 **Order #:** 1062342 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/14/07 **Submission #:** R2741275 **Percent Solid:** 69.9

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 12/18/07			Dry Weight
ANALYTICAL DILUTION: 1.00			
TRICHLOROFLUOROMETHANE	5.0	7.2 U	UG/KG
1,1,2-TRICHLORO1,2,2-TRIFLUOROETHA	5.0	7.2 U	UG/KG
VINYL CHLORIDE	5.0	7.2 U	UG/KG
O-XYLENE	5.0	0.82 J	UG/KG
M+P-XYLENE	5.0	1.3 J	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(50 - 135 %)	84	%
TOLUENE-D8	(75 - 128 %)	98	%
DIBROMOFLUOROMETHANE	(58 - 133 %)	92	%

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8270C SEMIVOLATILES
Reported: 01/14/08

ENSR International
Project Reference: CON EDISON - PEMART AVE
Client Sample ID : EQBL1

Date Sampled : 12/11/07 15:35 **Order #:** 1061526 **Sample Matrix:** WATER
Date Received: 12/12/07 **Submission #:** R2741275 **Analytical Run** 154640

DATE EXTRACTED : 12/14/07
DATE ANALYZED : 12/19/07
ANALYTICAL DILUTION: 1.00

ANALYTE	PQL	RESULT	UNITS
ACENAPHTHENE	10	10 U	UG/L
ACENAPHTHYLENE	10	10 U	UG/L
ACETOPHENONE	10	10 U	UG/L
ANTHRACENE	10	10 U	UG/L
ATRAZINE	10	10 UJ	UG/L
BENZALDEHYDE	10	10 UJ	UG/L
BENZO(A)ANTHRACENE	10	10 U	UG/L
BENZO(A)PYRENE	10	10 U	UG/L
BENZO(B)FLUORANTHENE	10	10 U	UG/L
BENZO(G,H,I)PERYLENE	10	10 U	UG/L
BENZO(K)FLUORANTHENE	10	10 U	UG/L
1,1'-BIPHENYL	10	10 U	UG/L
BUTYL BENZYL PHTHALATE	10	10 U	UG/L
DI-N-BUTYLPHTHALATE	10	10 U	UG/L
CAPROLACTAM	10	10 U	UG/L
CARBAZOLE	10	10 U	UG/L
INDENO(1,2,3-CD)PYRENE	10	10 U	UG/L
4-CHLOROANILINE	10	10 U	UG/L
BIS(-2-CHLOROETHOXY)METHANE	10	10 U	UG/L
BIS(2-CHLOROETHYL)ETHER	10	10 U	UG/L
2-CHLORONAPHTHALENE	10	10 U	UG/L
2-CHLOROPHENOL	10	10 U	UG/L
2,2'-OXYBIS(1-CHLOROPROPANE)	10	10 U	UG/L
CHRYSENE	10	10 U	UG/L
DIBENZO(A,H)ANTHRACENE	10	10 U	UG/L
DIBENZOFURAN	10	10 U	UG/L
3,3'-DICHLOROBENZIDINE	10	10 U	UG/L
2,4-DICHLOROPHENOL	10	10 U	UG/L
DIETHYLPHTHALATE	10	0.64 J	UG/L
DIMETHYL PHTHALATE	10	10 U	UG/L
2,4-DIMETHYLPHENOL	10	10 U	UG/L
2,4-DINITROPHENOL	50	50 U	UG/L
2,4-DINITROTOLUENE	10	10 U	UG/L
2,6-DINITROTOLUENE	10	10 U	UG/L
BIS(2-ETHYLHEXYL)PHTHALATE	10	10 U	UG/L
FLUORANTHENE	10	10 U	UG/L
FLUORENE	10	10 U	UG/L
HEXACHLOROBENZENE	10	10 U	UG/L
HEXACHLOROBUTADIENE	10	10 U	UG/L
HEXACHLOROCYCLOPENTADIENE	10	10 U	UG/L
HEXACHLOROETHANE	10	10 U	UG/L
ISOPHORONE	10	10 U	UG/L
2-METHYLNAPHTHALENE	10	10 U	UG/L

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8270C SEMIVOLATILES
Reported: 01/14/08

ENSR International
Project Reference: CON EDISON - PEMART AVE
Client Sample ID : EQBL1

Date Sampled : 12/11/07 15:35 **Order #:** 1061526 **Sample Matrix:** WATER
Date Received: 12/12/07 **Submission #:** R2741275 **Analytical Run** 154640

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 12/14/07			
DATE ANALYZED : 12/19/07			
ANALYTICAL DILUTION: 1.00			
4,6-DINITRO-2-METHYLPHENOL	50	50 U	UG/L
4-CHLORO-3-METHYLPHENOL	10	10 U	UG/L
2-METHYLPHENOL	10	10 U	UG/L
4-METHYLPHENOL	10	10 U	UG/L
NAPHTHALENE	10	10 U	UG/L
2-NITROANILINE	50	50 U	UG/L
3-NITROANILINE	50	50 U J	UG/L
4-NITROANILINE	50	50 U	UG/L
NITROBENZENE	10	10 U	UG/L
2-NITROPHENOL	10	10 U	UG/L
4-NITROPHENOL	50	50 U	UG/L
N-NITROSODIPHENYLAMINE	10	10 U	UG/L
DI-N-OCTYL PHTHALATE	10	10 U	UG/L
PENTACHLOROPHENOL	50	50 U	UG/L
PHENANTHRENE	10	10 U	UG/L
PHENOL	10	10 U	UG/L
4-BROMOPHENYL-PHENYLETHER	10	10 U	UG/L
4-CHLOROPHENYL-PHENYLETHER	10	10 U	UG/L
N-NITROSO-DI-N-PROPYLAMINE	10	10 U	UG/L
PYRENE	10	10 U	UG/L
2,4,6-TRICHLOROPHENOL	10	10 U	UG/L
2,4,5-TRICHLOROPHENOL	10	10 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
TERPHENYL-d14	(40 - 137 %)	88	%
NITROBENZENE-d5	(38 - 105 %)	79	%
PHENOL-d6	(10 - 69 %)	26	%
2-FLUOROBIPHENYL	(38 - 100 %)	80	%
2-FLUOROPHENOL	(17 - 74 %)	40	%
2,4,6-TRIBROMOPHENOL	(41 - 135 %)	76	%

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8270C SEMIVOLATILES
Reported: 01/14/08

ENSR International
Project Reference: CON EDISON - PEMART AVE PROJECT #01869-126-240
Client Sample ID : EQBL2

Date Sampled : 12/12/07 16:15 **Order #:** 1062347 **Sample Matrix:** WATER
Date Received: 12/14/07 **Submission #:** R2741275 **Analytical Run** 154716

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 12/17/07			
DATE ANALYZED : 12/19/07			
ANALYTICAL DILUTION: 0.94			
ACENAPHTHENE	10	9.4 U	UG/L
ACENAPHTHYLENE	10	9.4 U	UG/L
ACETOPHENONE	10	9.4 U	UG/L
ANTHRACENE	10	9.4 U	UG/L
ATRAZINE	10	9.4 UJ	UG/L
BENZALDEHYDE	10	9.4 UJ	UG/L
BENZO(A)ANTHRACENE	10	9.4 U	UG/L
BENZO(A)PYRENE	10	9.4 U	UG/L
BENZO(B)FLUORANTHENE	10	9.4 U	UG/L
BENZO(G,H,I)PERYLENE	10	9.4 U	UG/L
BENZO(K)FLUORANTHENE	10	9.4 U	UG/L
1,1'-BIPHENYL	10	9.4 U	UG/L
BUTYL BENZYL PHTHALATE	10	9.4 U	UG/L
DI-N-BUTYLPHTHALATE	10	9.4 U	UG/L
CAPROLACTAM	10	9.4 U	UG/L
CARBAZOLE	10	9.4 U	UG/L
INDENO(1,2,3-CD)PYRENE	10	9.4 U	UG/L
4-CHLOROANILINE	10	9.4 U	UG/L
BIS(-2-CHLOROETHOXY)METHANE	10	9.4 U	UG/L
BIS(2-CHLOROETHYL)ETHER	10	9.4 U	UG/L
2-CHLORONAPHTHALENE	10	9.4 U	UG/L
2-CHLOROPHENOL	10	9.4 U	UG/L
2,2'-OXYBIS(1-CHLOROPROPANE)	10	9.4 U	UG/L
CHRYSENE	10	9.4 U	UG/L
DIBENZO(A,H)ANTHRACENE	10	9.4 U	UG/L
DIBENZOFURAN	10	9.4 U	UG/L
3,3'-DICHLOROBENZIDINE	10	9.4 U	UG/L
2,4-DICHLOROPHENOL	10	9.4 U	UG/L
DIETHYLPHTHALATE	10	0.65 J	UG/L
DIMETHYL PHTHALATE	10	9.4 U	UG/L
2,4-DIMETHYLPHENOL	10	9.4 U	UG/L
2,4-DINITROPHENOL	50	47 U	UG/L
2,4-DINITROTOLUENE	10	9.4 U	UG/L
2,6-DINITROTOLUENE	10	9.4 U	UG/L
BIS(2-ETHYLHEXYL)PHTHALATE	10	9.4 U	UG/L
FLUORANTHENE	10	9.4 U	UG/L
FLUORENE	10	9.4 U	UG/L
HEXACHLOROBENZENE	10	9.4 U	UG/L
HEXACHLOROBUTADIENE	10	9.4 U	UG/L
HEXACHLOROCYCLOPENTADIENE	10	9.4 U	UG/L
HEXACHLOROETHANE	10	9.4 U	UG/L
ISOPHORONE	10	9.4 U	UG/L
2-METHYLNAPHTHALENE	10	9.4 U	UG/L

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8270C SEMIVOLATILES
Reported: 01/14/08

ENSR International
Project Reference: CON EDISON - PEMART AVE PROJECT #01869-126-240
Client Sample ID : EQBL2

Date Sampled : 12/12/07 16:15 **Order #:** 1062347 **Sample Matrix:** WATER
Date Received: 12/14/07 **Submission #:** R2741275 **Analytical Run** 154716

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 12/17/07			
DATE ANALYZED : 12/19/07			
ANALYTICAL DILUTION: 0.94			
4,6-DINITRO-2-METHYLPHENOL	50	47 U	UG/L
4-CHLORO-3-METHYLPHENOL	10	9.4 U	UG/L
2-METHYLPHENOL	10	9.4 U	UG/L
4-METHYLPHENOL	10	9.4 U	UG/L
NAPHTHALENE	10	9.4 U	UG/L
2-NITROANILINE	50	47 U	UG/L
3-NITROANILINE	50	47 U	UG/L
4-NITROANILINE	50	47 U	UG/L
NITROBENZENE	10	9.4 U	UG/L
2-NITROPHENOL	10	9.4 U	UG/L
4-NITROPHENOL	50	47 U	UG/L
N-NITROSODIPHENYLAMINE	10	9.4 U	UG/L
DI-N-OCTYL PHTHALATE	10	9.4 U	UG/L
PENTACHLOROPHENOL	50	47 U	UG/L
PHENANTHRENE	10	9.4 U	UG/L
PHENOL	10	9.4 U	UG/L
4-BROMOPHENYL-PHENYLETHER	10	9.4 U	UG/L
4-CHLOROPHENYL-PHENYLETHER	10	9.4 U	UG/L
N-NITROSO-DI-N-PROPYLAMINE	10	9.4 U	UG/L
PYRENE	10	9.4 U	UG/L
2,4,6-TRICHLOROPHENOL	10	9.4 U	UG/L
2,4,5-TRICHLOROPHENOL	10	9.4 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
TERPHENYL-d14	(40 - 137 %)	91	%
NITROBENZENE-d5	(38 - 105 %)	81	%
PHENOL-d6	(10 - 69 %)	26	%
2-FLUOROBIPHENYL	(38 - 100 %)	84	%
2-FLUOROPHENOL	(17 - 74 %)	41	%
2,4,6-TRIBROMOPHENOL	(41 - 135 %)	79	%

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8270C SEMIVOLATILES
Reported: 01/14/08

ENSR International
Project Reference: CON EDISON - PEMART AVE
Client Sample ID : SD21 (0-2)

Date Sampled : 12/10/07 15:20 **Order #:** 1061521 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/12/07 **Submission #:** R2741275 **Percent Solid:** 56.3

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 12/20/07			
DATE ANALYZED : 01/10/08			
ANALYTICAL DILUTION: 1000.00			Dry Weight
ACENAPHTHENE	330	1200000	UG/KG
ACENAPHTHYLENE	330	110000 J	UG/KG
ACETOPHENONE	330	590000 U	UG/KG
ANTHRACENE	330	430000 J	UG/KG
ATRAZINE	330	590000 U	UG/KG
BENZALDEHYDE	330	590000 U	UG/KG
BENZO(A)ANTHRACENE	330	180000 J	UG/KG
BENZO(A)PYRENE	330	120000 J	UG/KG
BENZO(B)FLUORANTHENE	330	44000 J	UG/KG
BENZO(G,H,I)PERYLENE	330	590000 U	UG/KG
BENZO(K)FLUORANTHENE	330	64000 J	UG/KG
1,1'-BIPHENYL	330	200000 J	UG/KG
BUTYL BENZYL PHTHALATE	330	590000 U	UG/KG
DI-N-BUTYLPHTHALATE	330	590000 U	UG/KG
CAPROLACTAM	330	590000 U	UG/KG
CARBAZOLE	330	590000 U	UG/KG
INDENO(1,2,3-CD)PYRENE	330	590000 U	UG/KG
4-CHLOROANILINE	330	590000 U	UG/KG
BIS(-2-CHLOROETHOXY)METHANE	330	590000 U	UG/KG
BIS(2-CHLOROETHYL)ETHER	330	590000 U	UG/KG
2-CHLORONAPHTHALENE	330	590000 U	UG/KG
2-CHLOROPHENOL	330	590000 U	UG/KG
2,2'-OXYBIS(1-CHLOROPROPANE)	330	590000 U	UG/KG
CHRYSENE	330	180000 J	UG/KG
DIBENZO(A,H)ANTHRACENE	330	590000 U	UG/KG
DIBENZOFURAN	330	66000 J	UG/KG
3,3'-DICHLOROBENZIDINE	330	590000 U	UG/KG
2,4-DICHLOROPHENOL	330	590000 U	UG/KG
DIETHYLPHTHALATE	330	590000 U	UG/KG
DIMETHYL PHTHALATE	330	590000 U	UG/KG
2,4-DIMETHYLPHENOL	330	590000 U	UG/KG
2,4-DINITROPHENOL	1700	3000000 U	UG/KG
2,4-DINITROTOLUENE	330	590000 U	UG/KG
2,6-DINITROTOLUENE	330	590000 U	UG/KG
BIS(2-ETHYLHEXYL)PHTHALATE	330	590000 U	UG/KG
FLUORANTHENE	330	360000 J	UG/KG
FLUORENE	330	530000 J	UG/KG
HEXACHLOROBENZENE	330	590000 U	UG/KG
HEXACHLOROBUTADIENE	330	590000 U	UG/KG
HEXACHLOROCYCLOPENTADIENE	330	590000 U	UG/KG
HEXACHLOROETHANE	330	590000 U	UG/KG
ISOPHORONE	330	590000 U	UG/KG
2-METHYLNAPHTHALENE	330	2800000	UG/KG

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8270C SEMIVOLATILES
Reported: 01/14/08

ENSR International
Project Reference: CON EDISON - PEMART AVE
Client Sample ID : SD21 (0-2)

Date Sampled : 12/10/07 15:20 **Order #:** 1061521 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/12/07 **Submission #:** R2741275 **Percent Solid:** 56.3

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 12/20/07			
DATE ANALYZED : 01/10/08			
ANALYTICAL DILUTION: 1000.00			Dry Weight
4,6-DINITRO-2-METHYLPHENOL	1700	3000000 U	UG/KG
4-CHLORO-3-METHYLPHENOL	330	590000 U	UG/KG
2-METHYLPHENOL	330	590000 U	UG/KG
4-METHYLPHENOL	330	590000 U	UG/KG
NAPHTHALENE	330	3600000	UG/KG
2-NITROANILINE	1700	3000000 U	UG/KG
3-NITROANILINE	1700	3000000 U	UG/KG
4-NITROANILINE	1700	3000000 U	UG/KG
NITROBENZENE	330	590000 U	UG/KG
2-NITROPHENOL	330	590000 U	UG/KG
4-NITROPHENOL	1700	3000000 U	UG/KG
N-NITROSODIPHENYLAMINE	330	590000 U	UG/KG
DI-N-OCTYL PHTHALATE	330	590000 U	UG/KG
PENTACHLOROPHENOL	1700	3000000 U	UG/KG
PHENANTHRENE	330	1400000	UG/KG
PHENOL	330	590000 U	UG/KG
4-BROMOPHENYL-PHENYLETHER	330	590000 U	UG/KG
4-CHLOROPHENYL-PHENYLETHER	330	590000 U	UG/KG
N-NITROSO-DI-N-PROPYLAMINE	330	590000 U	UG/KG
PYRENE	330	460000 J	UG/KG
2,4,6-TRICHLOROPHENOL	330	590000 U	UG/KG
2,4,5-TRICHLOROPHENOL	330	590000 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
TERPHENYL-d14	(48 - 131 %)	D	%
NITROBENZENE-d5	(27 - 130 %)	D	%
PHENOL-d6	(10 - 133 %)	D	%
2-FLUOROBIPHENYL	(32 - 130 %)	D	%
2-FLUOROPHENOL	(10 - 130 %)	D	%
2,4,6-TRIBROMOPHENOL	(33 - 139 %)	D	%

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8270C SEMIVOLATILES
Reported: 01/14/08

ENSR International
Project Reference: CON EDISON - PEMART AVE
Client Sample ID : SD21 (4-5)

Date Sampled : 12/10/07 15:20 **Order #:** 1061522 **Sample Matrix:** SOIL/SEDIMEN
Date Received: 12/12/07 **Submission #:** R2741275 **Percent Solid:** 69.7

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 12/20/07			
DATE ANALYZED : 01/02/08			
ANALYTICAL DILUTION: 1.00			Dry Weight
ACENAPHTHENE	330	2400	UG/KG
ACENAPHTHYLENE	330	200 J	UG/KG
ACETOPHENONE	330	470 U	UG/KG
ANTHRACENE	330	1100	UG/KG
ATRAZINE	330	470 UJ	UG/KG
BENZALDEHYDE	330	470 UJ	UG/KG
BENZO(A)ANTHRACENE	330	600	UG/KG
BENZO(A)PYRENE	330	420 J	UG/KG
BENZO(B)FLUORANTHENE	330	170 J	UG/KG
BENZO(G,H,I)PERYLENE	330	140 J	UG/KG
BENZO(K)FLUORANTHENE	330	220 J	UG/KG
1,1'-BIPHENYL	330	320 J	UG/KG
BUTYL BENZYL PHTHALATE	330	470 U	UG/KG
DI-N-BUTYLPHTHALATE	330	470 U	UG/KG
CAPROLACTAM	330	470 U	UG/KG
CARBAZOLE	330	37 J	UG/KG
INDENO(1,2,3-CD)PYRENE	330	130 J	UG/KG
4-CHLOROANILINE	330	470 U	UG/KG
BIS(-2-CHLOROETHOXY)METHANE	330	470 U	UG/KG
BIS(2-CHLOROETHYL)ETHER	330	470 U	UG/KG
2-CHLORONAPHTHALENE	330	470 U	UG/KG
2-CHLOROPHENOL	330	470 U	UG/KG
2,2'-OXYBIS(1-CHLOROPROPANE)	330	470 U	UG/KG
CHRYSENE	330	590	UG/KG
DIBENZO(A,H)ANTHRACENE	330	44 J	UG/KG
DIBENZOFURAN	330	130 J	UG/KG
3,3'-DICHLOROBENZIDINE	330	470 U	UG/KG
2,4-DICHLOROPHENOL	330	470 U	UG/KG
DIETHYLPHTHALATE	330	470 U	UG/KG
DIMETHYL PHTHALATE	330	470 U	UG/KG
2,4-DIMETHYLPHENOL	330	470 U	UG/KG
2,4-DINITROPHENOL	1700	2400 U	UG/KG
2,4-DINITROTOLUENE	330	470 U	UG/KG
2,6-DINITROTOLUENE	330	470 U	UG/KG
BIS(2-ETHYLHEXYL)PHTHALATE	330	470 U	UG/KG
FLUORANTHENE	330	1100	UG/KG
FLUORENE	330	1000	UG/KG
HEXACHLOROBENZENE	330	470 U	UG/KG
HEXACHLOROBUTADIENE	330	470 U	UG/KG
HEXACHLOROCYCLOPENTADIENE	330	470 UJ	UG/KG
HEXACHLOROETHANE	330	470 U	UG/KG
ISOPHORONE	330	470 U	UG/KG
2-METHYLNAPHTHALENE	330	4300	UG/KG

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8270C SEMIVOLATILES
Reported: 01/14/08

ENSR International
Project Reference: CON EDISON - PEMART AVE
Client Sample ID : SD21 (4-5)

Date Sampled : 12/10/07 15:20 **Order #:** 1061522 **Sample Matrix:** SOIL/SEDIMEN
Date Received: 12/12/07 **Submission #:** R2741275 **Percent Solid:** 69.7

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 12/20/07			
DATE ANALYZED : 01/02/08			
ANALYTICAL DILUTION: 1.00			Dry Weight
4,6-DINITRO-2-METHYLPHENOL	1700	2400 U	UG/KG
4-CHLORO-3-METHYLPHENOL	330	470 U	UG/KG
2-METHYLPHENOL	330	470 U	UG/KG
4-METHYLPHENOL	330	470 U	UG/KG
NAPHTHALENE	330	4000	UG/KG
2-NITROANILINE	1700	2400 U	UG/KG
3-NITROANILINE	1700	2400 U	UG/KG
4-NITROANILINE	1700	2400 U	UG/KG
NITROBENZENE	330	470 U	UG/KG
2-NITROPHENOL	330	470 U	UG/KG
4-NITROPHENOL	1700	2400 U	UG/KG
N-NITROSODIPHENYLAMINE	330	470 U	UG/KG
DI-N-OCTYL PHTHALATE	330	470 U	UG/KG
PENTACHLOROPHENOL	1700	2400 U	UG/KG
PHENANTHRENE	330	3600	UG/KG
PHENOL	330	470 U	UG/KG
4-BROMOPHENYL-PHENYLETHER	330	470 U	UG/KG
4-CHLOROPHENYL-PHENYLETHER	330	470 U	UG/KG
N-NITROSO-DI-N-PROPYLAMINE	330	470 U	UG/KG
PYRENE	330	1400	UG/KG
2,4,6-TRICHLOROPHENOL	330	470 U	UG/KG
2,4,5-TRICHLOROPHENOL	330	470 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
TERPHENYL-d14	(48 - 131 %)	69	%
NITROBENZENE-d5	(27 - 130 %)	61	%
PHENOL-d6	(10 - 133 %)	56	%
2-FLUOROBIPHENYL	(32 - 130 %)	66	%
2-FLUOROPHENOL	(10 - 130 %)	50	%
2,4,6-TRIBROMOPHENOL	(33 - 139 %)	66	%

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8270C SEMIVOLATILES
Reported: 01/14/08

ENSR International
Project Reference: CON EDISON - PEMART AVE
Client Sample ID : SD22 (7-9)

Date Sampled : 12/11/07 08:55 **Order #:** 1061524 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/12/07 **Submission #:** R2741275 **Percent Solid:** 59.7

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 12/20/07			
DATE ANALYZED : 01/02/08			
ANALYTICAL DILUTION: 1.00			Dry Weight
ACENAPHTHENE	330	39 J	UG/KG
ACENAPHTHYLENE	330	550 U	UG/KG
ACETOPHENONE	330	550 U	UG/KG
ANTHRACENE	330	550 U	UG/KG
ATRAZINE	330	550 UJ	UG/KG
BENZALDEHYDE	330	550 UJ	UG/KG
BENZO(A)ANTHRACENE	330	550 U	UG/KG
BENZO(A)PYRENE	330	550 U	UG/KG
BENZO(B)FLUORANTHENE	330	550 U	UG/KG
BENZO(G,H,I)PERYLENE	330	550 U	UG/KG
BENZO(K)FLUORANTHENE	330	550 U	UG/KG
1,1'-BIPHENYL	330	550 U	UG/KG
BUTYL BENZYL PHTHALATE	330	550 U	UG/KG
DI-N-BUTYLPHTHALATE	330	550 U	UG/KG
CAPROLACTAM	330	550 U	UG/KG
CARBAZOLE	330	550 U	UG/KG
INDENO(1,2,3-CD)PYRENE	330	550 U	UG/KG
4-CHLOROANILINE	330	550 U	UG/KG
BIS(-2-CHLOROETHOXY)METHANE	330	550 U	UG/KG
BIS(2-CHLOROETHYL)ETHER	330	550 U	UG/KG
2-CHLORONAPHTHALENE	330	550 U	UG/KG
2-CHLOROPHENOL	330	550 U	UG/KG
2,2'-OXYBIS(1-CHLOROPROPANE)	330	550 U	UG/KG
CHRYSENE	330	550 U	UG/KG
DIBENZO(A,H)ANTHRACENE	330	550 U	UG/KG
DIBENZOFURAN	330	550 U	UG/KG
3,3'-DICHLOROBENZIDINE	330	550 U	UG/KG
2,4-DICHLOROPHENOL	330	550 U	UG/KG
DIETHYLPHTHALATE	330	550 U	UG/KG
DIMETHYL PHTHALATE	330	550 U	UG/KG
2,4-DIMETHYLPHENOL	330	550 U	UG/KG
2,4-DINITROPHENOL	1700	2800 U	UG/KG
2,4-DINITROTOLUENE	330	550 U	UG/KG
2,6-DINITROTOLUENE	330	550 U	UG/KG
BIS(2-ETHYLHEXYL)PHTHALATE	330	550 U	UG/KG
FLUORANTHENE	330	550 U	UG/KG
FLUORENE	330	550 U	UG/KG
HEXACHLOROBENZENE	330	550 U	UG/KG
HEXACHLOROBUTADIENE	330	550 U	UG/KG
HEXACHLOROCYCLOPENTADIENE	330	550 UJ	UG/KG
HEXACHLOROETHANE	330	550 U	UG/KG
ISOPHORONE	330	550 U	UG/KG
2-METHYLNAPHTHALENE	330	47 J	UG/KG

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8270C SEMIVOLATILES
Reported: 01/14/08

ENSR International
Project Reference: CON EDISON - PEMART AVE
Client Sample ID : SD22 (7-9)

Date Sampled : 12/11/07 08:55 **Order #:** 1061524 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/12/07 **Submission #:** R2741275 **Percent Solid:** 59.7

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 12/20/07			
DATE ANALYZED : 01/02/08			
ANALYTICAL DILUTION: 1.00			Dry Weight
4,6-DINITRO-2-METHYLPHENOL	1700	2800 U	UG/KG
4-CHLORO-3-METHYLPHENOL	330	550 U	UG/KG
2-METHYLPHENOL	330	550 U	UG/KG
4-METHYLPHENOL	330	550 U	UG/KG
NAPHTHALENE	330	49 J	UG/KG
2-NITROANILINE	1700	2800 U	UG/KG
3-NITROANILINE	1700	2800 U	UG/KG
4-NITROANILINE	1700	2800 U	UG/KG
NITROBENZENE	330	550 U	UG/KG
2-NITROPHENOL	330	550 U	UG/KG
4-NITROPHENOL	1700	2800 U	UG/KG
N-NITROSODIPHENYLAMINE	330	550 U	UG/KG
DI-N-OCTYL PHTHALATE	330	550 U	UG/KG
PENTACHLOROPHENOL	1700	2800 U	UG/KG
PHENANTHRENE	330	45 J	UG/KG
PHENOL	330	550 U	UG/KG
4-BROMOPHENYL-PHENYLETHER	330	550 U	UG/KG
4-CHLOROPHENYL-PHENYLETHER	330	550 U	UG/KG
N-NITROSO-DI-N-PROPYLAMINE	330	550 U	UG/KG
PYRENE	330	37 J	UG/KG
2,4,6-TRICHLOROPHENOL	330	550 U	UG/KG
2,4,5-TRICHLOROPHENOL	330	550 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
TERPHENYL-d14	(48 - 131 %)	76	%
NITROBENZENE-d5	(27 - 130 %)	86	%
PHENOL-d6	(10 - 133 %)	75	%
2-FLUOROBIPHENYL	(32 - 130 %)	83	%
2-FLUOROPHENOL	(10 - 130 %)	66	%
2,4,6-TRIBROMOPHENOL	(33 - 139 %)	74	%

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8270C SEMIVOLATILES
Reported: 01/14/08

ENSR International
Project Reference: CON EDISON - PEMART AVE
Client Sample ID : SD22 (13-15)

Date Sampled : 12/11/07 09:00 **Order #:** 1061525 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/12/07 **Submission #:** R2741275 **Percent Solid:** 34.0

DATE EXTRACTED : 12/20/07
DATE ANALYZED : 01/02/08
ANALYTICAL DILUTION: 1.00

ANALYTE	PQL	RESULT	UNITS
			Dry Weight
ACENAPHTHENE	330	970 U J	UG/KG
ACENAPHTHYLENE	330	970 U	UG/KG
ACETOPHENONE	330	970 U	UG/KG
ANTHRACENE	330	970 U	UG/KG
ATRAZINE	330	970 UJ	UG/KG
BENZALDEHYDE	330	970 UJ	UG/KG
BENZO(A)ANTHRACENE	330	50 J J	UG/KG
BENZO(A)PYRENE	330	970 U J	UG/KG
BENZO(B)FLUORANTHENE	330	970 U J	UG/KG
BENZO(G,H,I)PERYLENE	330	970 U	UG/KG
BENZO(K)FLUORANTHENE	330	970 U	UG/KG
1,1'-BIPHENYL	330	970 U	UG/KG
BUTYL BENZYL PHTHALATE	330	970 U	UG/KG
DI-N-BUTYLPHTHALATE	330	970 U	UG/KG
CAPROLACTAM	330	970 U	UG/KG
CARBAZOLE	330	970 U	UG/KG
INDENO(1,2,3-CD)PYRENE	330	970 U	UG/KG
4-CHLOROANILINE	330	970 U	UG/KG
BIS(-2-CHLOROETHOXY)METHANE	330	970 U	UG/KG
BIS(2-CHLOROETHYL)ETHER	330	970 U	UG/KG
2-CHLORONAPHTHALENE	330	970 U	UG/KG
2-CHLOROPHENOL	330	970 U	UG/KG
2,2'-OXYBIS(1-CHLOROPROPANE)	330	970 U	UG/KG
CHRYSENE	330	50 J J	UG/KG
DIBENZO(A,H)ANTHRACENE	330	970 U J	UG/KG
DIBENZOFURAN	330	970 U	UG/KG
3,3'-DICHLOROBENZIDINE	330	970 U	UG/KG
2,4-DICHLOROPHENOL	330	970 U	UG/KG
DIETHYLPHTHALATE	330	970 U	UG/KG
DIMETHYL PHTHALATE	330	970 U	UG/KG
2,4-DIMETHYLPHENOL	330	970 U	UG/KG
2,4-DINITROPHENOL	1700	5000 U	UG/KG
2,4-DINITROTOLUENE	330	970 U	UG/KG
2,6-DINITROTOLUENE	330	970 U	UG/KG
BIS(2-ETHYLHEXYL)PHTHALATE	330	970 U	UG/KG
FLUORANTHENE	330	85 J J	UG/KG
FLUORENE	330	970 U J	UG/KG
HEXACHLOROBENZENE	330	970 U	UG/KG
HEXACHLOROBUTADIENE	330	970 U	UG/KG
HEXACHLOROCYCLOPENTADIENE	330	970 UJ	UG/KG
HEXACHLOROETHANE	330	970 U	UG/KG
ISOPHORONE	330	970 U	UG/KG
2-METHYLNAPHTHALENE	330	970 U	UG/KG

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8270C SEMIVOLATILES
Reported: 01/14/08

ENSR International
Project Reference: CON EDISON - PEMART AVE
Client Sample ID : SD22 (13-15)

Date Sampled : 12/11/07 09:00 **Order #:** 1061525 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/12/07 **Submission #:** R2741275 **Percent Solid:** 34.0

DATE EXTRACTED : 12/20/07
DATE ANALYZED : 01/02/08
ANALYTICAL DILUTION: 1.00

ANALYTE	PQL	RESULT	UNITS
			Dry Weight
4,6-DINITRO-2-METHYLPHENOL	1700	5000 U J	UG/KG
4-CHLORO-3-METHYLPHENOL	330	970 U	UG/KG
2-METHYLPHENOL	330	970 U	UG/KG
4-METHYLPHENOL	330	970 U	UG/KG
NAPHTHALENE	330	970 U	UG/KG
2-NITROANILINE	1700	5000 U	UG/KG
3-NITROANILINE	1700	5000 U	UG/KG
4-NITROANILINE	1700	5000 U	UG/KG
NITROBENZENE	330	970 U	UG/KG
2-NITROPHENOL	330	970 U	UG/KG
4-NITROPHENOL	1700	5000 U	UG/KG
N-NITROSODIPHENYLAMINE	330	970 U	UG/KG
DI-N-OCTYL PHTHALATE	330	970 U	UG/KG
PENTACHLOROPHENOL	1700	5000 U	UG/KG
PHENANTHRENE	330	100 J J	UG/KG
PHENOL	330	970 U J	UG/KG
4-BROMOPHENYL-PHENYLETHER	330	970 U	UG/KG
4-CHLOROPHENYL-PHENYLETHER	330	970 U	UG/KG
N-NITROSO-DI-N-PROPYLAMINE	330	970 U	UG/KG
PYRENE	330	97 J J	UG/KG
2,4,6-TRICHLOROPHENOL	330	970 U J	UG/KG
2,4,5-TRICHLOROPHENOL	330	970 U J	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
TERPHENYL-d14	(48 - 131 %)	73	%
NITROBENZENE-d5	(27 - 130 %)	83	%
PHENOL-d6	(10 - 133 %)	74	%
2-FLUOROBIPHENYL	(32 - 130 %)	79	%
2-FLUOROPHENOL	(10 - 130 %)	63	%
2,4,6-TRIBROMOPHENOL	(33 - 139 %)	78	%

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8270C SEMIVOLATILES
Reported: 01/14/08

ENSR International
Project Reference: CON EDISON - PEMART AVE
Client Sample ID : SD23 (3-5)

Date Sampled : 12/11/07 10:00 **Order #:** 1061527 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/12/07 **Submission #:** R2741275 **Percent Solid:** 37.5

DATE EXTRACTED : 12/20/07
DATE ANALYZED : 01/02/08
ANALYTICAL DILUTION: 1.00

ANALYTE	PQL	RESULT	UNITS
			Dry Weight
ACENAPHTHENE	330	150 J J	UG/KG
ACENAPHTHYLENE	330	430 J J	UG/KG
ACETOPHENONE	330	880 U J	UG/KG
ANTHRACENE	330	560 J J	UG/KG
ATRAZINE	330	880 U J	UG/KG
BENZALDEHYDE	330	190 J J	UG/KG
BENZO(A)ANTHRACENE	330	1300 J	UG/KG
BENZO(A)PYRENE	330	1500 J	UG/KG
BENZO(B)FLUORANTHENE	330	1200 J	UG/KG
BENZO(G,H,I)PERYLENE	330	880 J J	UG/KG
BENZO(K)FLUORANTHENE	330	1400 J	UG/KG
1,1'-BIPHENYL	330	880 U J	UG/KG
BUTYL BENZYL PHTHALATE	330	190 J J	UG/KG
DI-N-BUTYLPHTHALATE	330	880 U J	UG/KG
CAPROLACTAM	330	880 U J	UG/KG
CARBAZOLE	330	99 J J	UG/KG
INDENO(1,2,3-CD)PYRENE	330	800 J J	UG/KG
4-CHLOROANILINE	330	80 J J	UG/KG
BIS(-2-CHLOROETHOXY)METHANE	330	880 U J	UG/KG
BIS(2-CHLOROETHYL)ETHER	330	880 U J	UG/KG
2-CHLORONAPHTHALENE	330	880 U J	UG/KG
2-CHLOROPHENOL	330	880 U J	UG/KG
2,2'-OXYBIS(1-CHLOROPROPANE)	330	880 U J	UG/KG
CHRYSENE	330	1500 J	UG/KG
DIBENZO(A,H)ANTHRACENE	330	250 J J	UG/KG
DIBENZOFURAN	330	880 U J	UG/KG
3,3'-DICHLOROBENZIDINE	330	880 U J	UG/KG
2,4-DICHLOROPHENOL	330	880 U J	UG/KG
DIETHYLPHTHALATE	330	880 U J	UG/KG
DIMETHYL PHTHALATE	330	880 U J	UG/KG
2,4-DIMETHYLPHENOL	330	880 U J	UG/KG
2,4-DINITROPHENOL	1700	4500 U J	UG/KG
2,4-DINITROTOLUENE	330	880 U J	UG/KG
2,6-DINITROTOLUENE	330	880 U J	UG/KG
BIS(2-ETHYLHEXYL)PHTHALATE	330	1100 J	UG/KG
FLUORANTHENE	330	2600 J	UG/KG
FLUORENE	330	150 J J	UG/KG
HEXACHLOROBENZENE	330	880 U J	UG/KG
HEXACHLOROBUTADIENE	330	880 U J	UG/KG
HEXACHLOROCYCLOPENTADIENE	330	880 U J	UG/KG
HEXACHLOROETHANE	330	880 U J	UG/KG
ISOPHORONE	330	880 U J	UG/KG
2-METHYLNAPHTHALENE	330	120 J J	UG/KG

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8270C SEMIVOLATILES
Reported: 01/14/08

ENSR International
Project Reference: CON EDISON - PEMART AVE
Client Sample ID : SD23 (3-5)

Date Sampled : 12/11/07 10:00 **Order #:** 1061527 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/12/07 **Submission #:** R2741275 **Percent Solid:** 37.5

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 12/20/07			
DATE ANALYZED : 01/02/08			
ANALYTICAL DILUTION: 1.00			Dry Weight
4,6-DINITRO-2-METHYLPHENOL	1700	4500 U J	UG/KG
4-CHLORO-3-METHYLPHENOL	330	880 U	UG/KG
2-METHYLPHENOL	330	880 U	UG/KG
4-METHYLPHENOL	330	880 U	UG/KG
NAPHTHALENE	330	140 J J	UG/KG
2-NITROANILINE	1700	4500 U J	UG/KG
3-NITROANILINE	1700	4500 U	UG/KG
4-NITROANILINE	1700	4500 U	UG/KG
NITROBENZENE	330	880 U	UG/KG
2-NITROPHENOL	330	880 U	UG/KG
4-NITROPHENOL	1700	4500 U	UG/KG
N-NITROSODIPHENYLAMINE	330	880 U	UG/KG
DI-N-OCTYL PHTHALATE	330	880 U	UG/KG
PENTACHLOROPHENOL	1700	4500 U	UG/KG
PHENANTHRENE	330	1300 J	UG/KG
PHENOL	330	880 U J	UG/KG
4-BROMOPHENYL-PHENYLETHER	330	880 U	UG/KG
4-CHLOROPHENYL-PHENYLETHER	330	880 U	UG/KG
N-NITROSO-DI-N-PROPYLAMINE	330	880 U	UG/KG
PYRENE	330	2400 J	UG/KG
2,4,6-TRICHLOROPHENOL	330	880 U J	UG/KG
2,4,5-TRICHLOROPHENOL	330	880 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
TERPHENYL-d14	(48 - 131 %)	69	%
NITROBENZENE-d5	(27 - 130 %)	69	%
PHENOL-d6	(10 - 133 %)	63	%
2-FLUOROBIPHENYL	(32 - 130 %)	72	%
2-FLUOROPHENOL	(10 - 130 %)	49	%
2,4,6-TRIBROMOPHENOL	(33 - 139 %)	71	%

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8270C SEMIVOLATILES
Reported: 01/14/08

ENSR International
Project Reference: CON EDISON - PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD25 (3-4)

Date Sampled : 12/12/07 15:10 **Order #:** 1062341 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/14/07 **Submission #:** R2741275 **Percent Solid:** 51.3

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 12/20/07			
DATE ANALYZED : 01/10/08			
ANALYTICAL DILUTION: 5.00			Dry Weight
ACENAPHTHENE	330	15000	UG/KG
ACENAPHTHYLENE	330	2700 J	UG/KG
ACETOPHENONE	330	3200 U	UG/KG
ANTHRACENE	330	8600	UG/KG
ATRAZINE	330	3200 U	UG/KG
BENZALDEHYDE	330	3200 UJ	UG/KG
BENZO(A)ANTHRACENE	330	7200	UG/KG
BENZO(A)PYRENE	330	5700	UG/KG
BENZO(B)FLUORANTHENE	330	3900	UG/KG
BENZO(G,H,I)PERYLENE	330	2900 J	UG/KG
BENZO(K)FLUORANTHENE	330	3900	UG/KG
1,1'-BIPHENYL	330	410 J	UG/KG
BUTYL BENZYL PHTHALATE	330	3200 U	UG/KG
DI-N-BUTYLPHTHALATE	330	3200 U	UG/KG
CAPROLACTAM	330	3200 U	UG/KG
CARBAZOLE	330	3200 U	UG/KG
INDENO(1,2,3-CD)PYRENE	330	2300 J	UG/KG
4-CHLOROANILINE	330	3200 U	UG/KG
BIS(-2-CHLOROETHOXY)METHANE	330	3200 U	UG/KG
BIS(2-CHLOROETHYL)ETHER	330	3200 U	UG/KG
2-CHLORONAPHTHALENE	330	3200 U	UG/KG
2-CHLOROPHENOL	330	3200 U	UG/KG
2,2'-OXYBIS(1-CHLOROPROPANE)	330	3200 U	UG/KG
CHRYSENE	330	8400	UG/KG
DIBENZO(A,H)ANTHRACENE	330	840 J	UG/KG
DIBENZOFURAN	330	840 J	UG/KG
3,3'-DICHLOROBENZIDINE	330	3200 U	UG/KG
2,4-DICHLOROPHENOL	330	3200 U	UG/KG
DIETHYLPHTHALATE	330	3200 U	UG/KG
DIMETHYL PHTHALATE	330	3200 U	UG/KG
2,4-DIMETHYLPHENOL	330	3200 U	UG/KG
2,4-DINITROPHENOL	1700	17000 U	UG/KG
2,4-DINITROTOLUENE	330	3200 U	UG/KG
2,6-DINITROTOLUENE	330	3200 U	UG/KG
BIS(2-ETHYLHEXYL)PHTHALATE	330	3200 U	UG/KG
FLUORANTHENE	330	13000	UG/KG
FLUORENE	330	7000	UG/KG
HEXACHLOROBENZENE	330	3200 U	UG/KG
HEXACHLOROBUTADIENE	330	3200 U	UG/KG
HEXACHLOROCYCLOPENTADIENE	330	3200 U	UG/KG
HEXACHLOROETHANE	330	3200 U	UG/KG
ISOPHORONE	330	3200 U	UG/KG
2-METHYLNAPHTHALENE	330	2100 J	UG/KG

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8270C SEMIVOLATILES
Reported: 01/14/08

ENSR International
Project Reference: CON EDISON - PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD25 (3-4)

Date Sampled : 12/12/07 15:10 **Order #:** 1062341 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/14/07 **Submission #:** R2741275 **Percent Solid:** 51.3

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 12/20/07			
DATE ANALYZED : 01/10/08			
ANALYTICAL DILUTION: 5.00			Dry Weight
4,6-DINITRO-2-METHYLPHENOL	1700	17000 U	UG/KG
4-CHLORO-3-METHYLPHENOL	330	3200 U	UG/KG
2-METHYLPHENOL	330	3200 U	UG/KG
4-METHYLPHENOL	330	3200 U	UG/KG
NAPHTHALENE	330	2700 J	UG/KG
2-NITROANILINE	1700	17000 U	UG/KG
3-NITROANILINE	1700	17000 U	UG/KG
4-NITROANILINE	1700	17000 U	UG/KG
NITROBENZENE	330	3200 U	UG/KG
2-NITROPHENOL	330	3200 U	UG/KG
4-NITROPHENOL	1700	17000 U	UG/KG
N-NITROSODIPHENYLAMINE	330	3200 U	UG/KG
DI-N-OCTYL PHTHALATE	330	3200 U	UG/KG
PENTACHLOROPHENOL	1700	17000 U	UG/KG
PHENANTHRENE	330	23000	UG/KG
PHENOL	330	3200 U	UG/KG
4-BROMOPHENYL-PHENYLETHER	330	3200 U	UG/KG
4-CHLOROPHENYL-PHENYLETHER	330	3200 U	UG/KG
N-NITROSO-DI-N-PROPYLAMINE	330	3200 U	UG/KG
PYRENE	330	14000	UG/KG
2,4,6-TRICHLOROPHENOL	330	3200 U	UG/KG
2,4,5-TRICHLOROPHENOL	330	3200 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
TERPHENYL-d14	(48 - 131 %)	72	%
NITROBENZENE-d5	(27 - 130 %)	64	%
PHENOL-d6	(10 - 133 %)	63	%
2-FLUOROBIPHENYL	(32 - 130 %)	73	%
2-FLUOROPHENOL	(10 - 130 %)	50	%
2,4,6-TRIBROMOPHENOL	(33 - 139 %)	79	%

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8270C SEMIVOLATILES
Reported: 01/14/08

ENSR International
Project Reference: CON EDISON - PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD25 (4-5)

Date Sampled : 12/12/07 15:15 **Order #:** 1062342 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/14/07 **Submission #:** R2741275 **Percent Solid:** 69.9

DATE EXTRACTED : 12/20/07
DATE ANALYZED : 01/02/08
ANALYTICAL DILUTION: 1.00

ANALYTE	PQL	RESULT	UNITS
			Dry Weight
ACENAPHTHENE	330	470 U	UG/KG
ACENAPHTHYLENE	330	470 U	UG/KG
ACETOPHENONE	330	470 U	UG/KG
ANTHRACENE	330	470 U	UG/KG
ATRAZINE	330	470 UJ	UG/KG
BENZALDEHYDE	330	470 UJ	UG/KG
BENZO(A)ANTHRACENE	330	470 U	UG/KG
BENZO(A)PYRENE	330	470 U	UG/KG
BENZO(B)FLUORANTHENE	330	470 U	UG/KG
BENZO(G,H,I)PERYLENE	330	470 U	UG/KG
BENZO(K)FLUORANTHENE	330	470 U	UG/KG
1,1'-BIPHENYL	330	470 U	UG/KG
BUTYL BENZYL PHTHALATE	330	470 U	UG/KG
DI-N-BUTYLPHTHALATE	330	470 U	UG/KG
CAPROLACTAM	330	470 U	UG/KG
CARBAZOLE	330	470 U	UG/KG
INDENO(1,2,3-CD)PYRENE	330	470 U	UG/KG
4-CHLOROANILINE	330	470 U	UG/KG
BIS(-2-CHLOROETHOXY)METHANE	330	470 U	UG/KG
BIS(2-CHLOROETHYL)ETHER	330	470 U	UG/KG
2-CHLORONAPHTHALENE	330	470 U	UG/KG
2-CHLOROPHENOL	330	470 U	UG/KG
2,2'-OXYBIS(1-CHLOROPROPANE)	330	470 U	UG/KG
CHRYSENE	330	470 U	UG/KG
DIBENZO(A,H)ANTHRACENE	330	470 U	UG/KG
DIBENZOFURAN	330	470 U	UG/KG
3,3'-DICHLOROBENZIDINE	330	470 U	UG/KG
2,4-DICHLOROPHENOL	330	470 U	UG/KG
DIETHYLPHTHALATE	330	470 U	UG/KG
DIMETHYL PHTHALATE	330	470 U	UG/KG
2,4-DIMETHYLPHENOL	330	470 U	UG/KG
2,4-DINITROPHENOL	1700	2400 U	UG/KG
2,4-DINITROTOLUENE	330	470 U	UG/KG
2,6-DINITROTOLUENE	330	470 U	UG/KG
BIS(2-ETHYLHEXYL)PHTHALATE	330	470 U	UG/KG
FLUORANTHENE	330	470 U	UG/KG
FLUORENE	330	470 U	UG/KG
HEXACHLOROBENZENE	330	470 U	UG/KG
HEXACHLOROBUTADIENE	330	470 U	UG/KG
HEXACHLOROCYCLOPENTADIENE	330	470 UJ	UG/KG
HEXACHLOROETHANE	330	470 U	UG/KG
ISOPHORONE	330	470 U	UG/KG
2-METHYLNAPHTHALENE	330	470 U	UG/KG

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8270C SEMIVOLATILES
Reported: 01/14/08

ENSR International
Project Reference: CON EDISON - PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD25 (4-5)

Date Sampled : 12/12/07 15:15 **Order #:** 1062342 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 12/14/07 **Submission #:** R2741275 **Percent Solid:** 69.9

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 12/20/07			
DATE ANALYZED : 01/02/08			
ANALYTICAL DILUTION: 1.00			Dry Weight
4,6-DINITRO-2-METHYLPHENOL	1700	2400 U	UG/KG
4-CHLORO-3-METHYLPHENOL	330	470 U	UG/KG
2-METHYLPHENOL	330	470 U	UG/KG
4-METHYLPHENOL	330	470 U	UG/KG
NAPHTHALENE	330	470 U	UG/KG
2-NITROANILINE	1700	2400 U	UG/KG
3-NITROANILINE	1700	2400 U	UG/KG
4-NITROANILINE	1700	2400 U	UG/KG
NITROBENZENE	330	470 U	UG/KG
2-NITROPHENOL	330	470 U	UG/KG
4-NITROPHENOL	1700	2400 U	UG/KG
N-NITROSODIPHENYLAMINE	330	470 U	UG/KG
DI-N-OCTYL PHTHALATE	330	470 U	UG/KG
PENTACHLOROPHENOL	1700	2400 U	UG/KG
PHENANTHRENE	330	470 U	UG/KG
PHENOL	330	470 U	UG/KG
4-BROMOPHENYL-PHENYLETHER	330	470 U	UG/KG
4-CHLOROPHENYL-PHENYLETHER	330	470 U	UG/KG
N-NITROSO-DI-N-PROPYLAMINE	330	470 U	UG/KG
PYRENE	330	24 J	UG/KG
2,4,6-TRICHLOROPHENOL	330	470 U	UG/KG
2,4,5-TRICHLOROPHENOL	330	470 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
TERPHENYL-d14	(48 - 131 %)	65	%
NITROBENZENE-d5	(27 - 130 %)	38	%
PHENOL-d6	(10 - 133 %)	33	%
2-FLUOROBIPHENYL	(32 - 130 %)	40	%
2-FLUOROPHENOL	(10 - 130 %)	29	%
2,4,6-TRIBROMOPHENOL	(33 - 139 %)	56	%

COLUMBIA ANALYTICAL SERVICES

Reported: 01/14/08

ENSR International
Project Reference: CON EDISON - PEMART AVE
Client Sample ID : SD1 (8-8.5)

Date Sampled : 11/29/07 16:45 Order #: 1061518 Sample Matrix: SOIL/SEDIMENT
Date Received: 12/03/07 Submission #: R2741275

ANALYTE	METHOD	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
PERCENT SOLIDS	160.3M	1.00	45.5	%	12/18/07	11:35	1.0
TOTAL ORGANIC CARBON	TOC.LK	300	83200 J	MG/KG	12/13/07	09:10	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 01/14/08

ENSR International
Project Reference: CON EDISON - PEMART AVE
Client Sample ID : SD3 (1-3)

Date Sampled : 11/29/07 13:25 Order #: 1061519 Sample Matrix: SOIL/SEDIMENT
Date Received: 12/03/07 Submission #: R2741275

ANALYTE	METHOD	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
PERCENT SOLIDS	160.3M	1.00	28.2	%	12/18/07	11:35	1.0
TOTAL ORGANIC CARBON	TOC.LK	300	55500 J	MG/KG	12/13/07	09:10	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 01/14/08

ENSR International
Project Reference: CON EDISON - PEMART AVE
Client Sample ID : SD3 (9-10)

Date Sampled : 11/29/07 13:30 Order #: 1061520 Sample Matrix: SOIL/SEDIMENT
Date Received: 12/03/07 Submission #: R2741275

ANALYTE	METHOD	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
PERCENT SOLIDS	160.3M	1.00	63.3	%	12/18/07	11:35	1.0
TOTAL ORGANIC CARBON	TOC.LK	300	39300 J	MG/KG	12/13/07	09:10	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 01/14/08

ENSR International
Project Reference: CON EDISON - PEMART AVE
Client Sample ID : SD21 (0-2)

Date Sampled : 12/10/07 15:20 Order #: 1061521 Sample Matrix: SOIL/SEDIMENT
Date Received: 12/12/07 Submission #: R2741275

ANALYTE	METHOD	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
PERCENT SOLIDS	160.3M	1.00	56.3	%	12/13/07	13:45	1.0
TOTAL ORGANIC CARBON	TOC.LK	300	97800 J	MG/KG	12/13/07	09:10	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 01/14/08

ENSR International
Project Reference: CON EDISON - PEMART AVE
Client Sample ID : SD21 (4-5)

Date Sampled : 12/10/07 15:20 Order #: 1061522 Sample Matrix: SOIL/SEDIMENT
Date Received: 12/12/07 Submission #: R2741275

ANALYTE	METHOD	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
PERCENT SOLIDS	160.3M	1.00	69.7	%	12/13/07	13:45	1.0
TOTAL ORGANIC CARBON	TOC.LK	300	5690 J	MG/KG	12/13/07	09:10	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 01/14/08

ENSR International
Project Reference: CON EDISON - PEMART AVE
Client Sample ID : SD22 (7-9)

Date Sampled : 12/11/07 08:55 Order #: 1061524 Sample Matrix: SOIL/SEDIMENT
Date Received: 12/12/07 Submission #: R2741275

ANALYTE	METHOD	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
PERCENT SOLIDS	160.3M	1.00	59.7	%	12/13/07	13:45	1.0
PH	9045	1.00	7.79	S.U.	12/14/07	15:00	1.0
TOTAL ORGANIC CARBON	TOC.LK	300	18200 J	MG/KG	12/13/07	09:10	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 01/14/08

ENSR International
Project Reference: CON EDISON - PEMART AVE
Client Sample ID : SD22 (13-15)

Date Sampled : 12/11/07 09:00 Order #: 1061525 Sample Matrix: SOIL/SEDIMENT
Date Received: 12/12/07 Submission #: R2741275

ANALYTE	METHOD	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
PERCENT SOLIDS	160.3M	1.00	34.0	%	12/13/07	13:45	1.0
PH	9045	1.00	7.75	S.U.	12/14/07	15:00	1.0
TOTAL ORGANIC CARBON	TOC.LK	300	87200 J	MG/KG	12/13/07	09:10	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 01/14/08

ENSR International
Project Reference: CON EDISON - PEMART AVE
Client Sample ID : SD23 (3-5)

Date Sampled : 12/11/07 10:00 Order #: 1061527 Sample Matrix: SOIL/SEDIMENT
Date Received: 12/12/07 Submission #: R2741275

ANALYTE	METHOD	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
PERCENT SOLIDS	160.3M	1.00	37.5	%	12/13/07	13:45	1.0
PH	9045	1.00	7.26	S.U.	12/14/07	15:00	1.0
TOTAL ORGANIC CARBON	TOC.LK	300	29400 J	MG/KG	12/13/07	09:10	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 01/14/08

:NSR International
'roject Reference: CON EDISON - PEMART AVE PROJECT #01869-126-240
:lient Sample ID : SD24 (8-10)

)ate Sampled : 12/14/07 11:25 Order #: 1062343 Sample Matrix: SOIL/SEDIMENT
)ate Received: 12/12/07 Submission #: R2741275

ANALYTE	METHOD	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
ERCENT SOLIDS	160.3M	1.00	80.0	%	12/18/07	11:35	1.0
H	9045	1.00	7.40	S.U.	12/14/07	15:00	1.0
OTAL ORGANIC CARBON	TOC.LK	300	1420J	MG/KG	12/19/07	09:00	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 01/14/08

ENSR International
Project Reference: CON EDISON - PEMART AVE PROJECT #01869-126-240
Client Sample ID : SD25 (3-4)

Date Sampled : 12/14/07 15:10 Order #: 1062341 Sample Matrix: SOIL/SEDIMENT
Date Received: 12/12/07 Submission #: R2741275

ANALYTE	METHOD	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
PERCENT SOLIDS	160.3M	1.00	51.3	%	12/18/07	11:35	1.0
TOTAL ORGANIC CARBON	TOC.LK	300	47200 J	MG/KG	12/19/07	09:00	1.0