SITE INVESTIGATION/REMEDIAL INVESTIGATION REPORT
REPLACEMENT OF THE 14TH STREET VIADUCT OVER CONRAIL AND LOCAL STREETS STRUCTURE NO. 0900-016
14TH ST. FROM MANHATTAN AVE. TO WILLOW AVE.
UNION CITY AND HOBOKEN, NEW JERSEY 07087
NJDEP Case No. 10-0420-1310-04

by

Haley & Aldrich, Inc.
Parsippany, New Jersey

for

TranSystems, Inc.
Paramus, New Jersey

File No. 36059-004
16 July 2010

HALEY & ALDRICH

Haley & Aldrich, Inc.
299 Cherry Hill Rd.
Suite 105
Parsippany, NJ 07054-1124

Tel: 973.263.3900
Fax: 973.263.2580
HaleyAldrich.com

16 July 2010
File No. 36059-004

New Jersey Department of Environmental Protection
Bureau of Case Assignment and Initial Notice
401 East State Street
P.O. Box 434
Trenton, New Jersey 08625-0434

Attention: Bureau of Case Assignment and Initial Notice

Subject: Site Investigation/Remedial Investigation Report
14th Street Viaduct Replacement
14th Street from Willow Avenue (Hoboken, NJ) to Manhattan Avenue (Union City, NJ)

Ladies and Gentlemen:

On behalf of Hudson County Office of County Engineer, Haley & Aldrich, Inc. (Haley & Aldrich) is pleased to present the enclosed environmental Site Investigation/Remedial Investigation Report (SI/RIR) for the 14th Street Viaduct Replacement project. In advance of viaduct demolition and construction activities, in 2009, TranSystems, Inc, (TranSystems) performed environmental Site Investigation and Remedial Investigation activities of the right-of-way area located beneath the viaduct. TranSystems retained Haley & Aldrich to perform soil and groundwater sampling activities. During the course of the investigations, historic fill material (i.e., contaminated soil) was observed in the subsurface beneath the viaduct. Soil and groundwater contamination related to the historic fill material was documented. In accordance with the New Jersey Department of Environmental Protection (NJDEP) Technical Requirements for Site Remediation (N.J.A.C. 7:26E), a Site Investigation/Remedial Investigation was performed. During the course of the investigation, historic fill material was found to be the only Area of Concern (AOC) identified at the Site. This SI/RIR has been prepared to document the presence of the historic fill material at the Site in accordance with N.J.A.C. 7:26E.

Based upon the results of the Site Investigation/Remedial Investigation, it can be concluded that the fill material is non-indigenous material, was used to replace soil in an area or raise the topographic elevation of the Site, was contaminated prior to emplacement, and was in no way connected with the operations at the location of emplacement. Stratigraphic boring logs indicate that historic fill material is present across the entire Site to a depth of approximately 12 to 35 feet below ground surface. Soil and groundwater samples collected during the investigation confirm the presence of volatile organic compounds, semi-volatile organic compounds, metals, pesticides, polychlorinated biphenyls and total petroleum hydrocarbons at concentrations in excess of the New Jersey Soil Remediation Standards and Groundwater Quality Standards. These compounds are typical of those found in areas of historic fill material.

One area of environmental investigation which remains to be completed as of the date of this report is an evaluation of the potential for vapor intrusion in an adjacent off-site building currently occupied by Hertz Rent-a-Car. The NJDEP requires a vapor intrusion evaluation at the Hertz facility due to the fact that groundwater contamination is present at concentrations greater than the NJDEP Vapor Intrusion Ground Water Screening Levels in a monitoring well located within 30 feet of the Hertz building. Haley &

Aldrich has been in contact with Hertz, and Hertz has provided Hudson County with a draft access agreement which, if executed by Hudson County, would allow Haley & Aldrich to enter the Hertz building and perform the vapor intrusion evaluation. Negotiations concerning site access are on-going, and are the reason why the vapor intrusion evaluation is not yet complete. Assuming access is granted by Hertz, Haley & Aldrich will perform the vapor intrusion evaluation at the Hertz building to determine whether the vapor intrusion pathway is complete at this location. Results of this evaluation will be provided in a future report.

The NJDEP presumptive remedy for soil contamination associated with historic fill material is a cap with a deed notice. Due to the groundwater contamination on the Site, a Classification Exception Area (CEA) also is required. As such, it is recommended that the remedy for the Site include a combination of institutional (deed notice and CEA) and engineering controls (cap). Proposed redevelopment plans for the Site include the demolition of the existing bridge structure and the construction of a new bridge with public recreation spaces beneath portions of the bridge. It is recommended that the public recreation spaces be capped with a minimum of either 2 ft of clean fill material or 6 inches of concrete or asphalt. It is recommended that a Remedial Action Workplan be implemented during construction to guide the contractor in the handling, sampling, analysis and off-site disposal of contaminated soil and/or groundwater which may be encountered during construction activities.

If you have any questions ore require any additional information, please contact Christopher Schmitt at 973.658.3904.

Sincerely yours,
HALEY & ALDRICH, INC.

Christopher F. Schmitt, LSRP
Project Manager

Edward M. Zamiskie, Jr., P.E.
Vice President

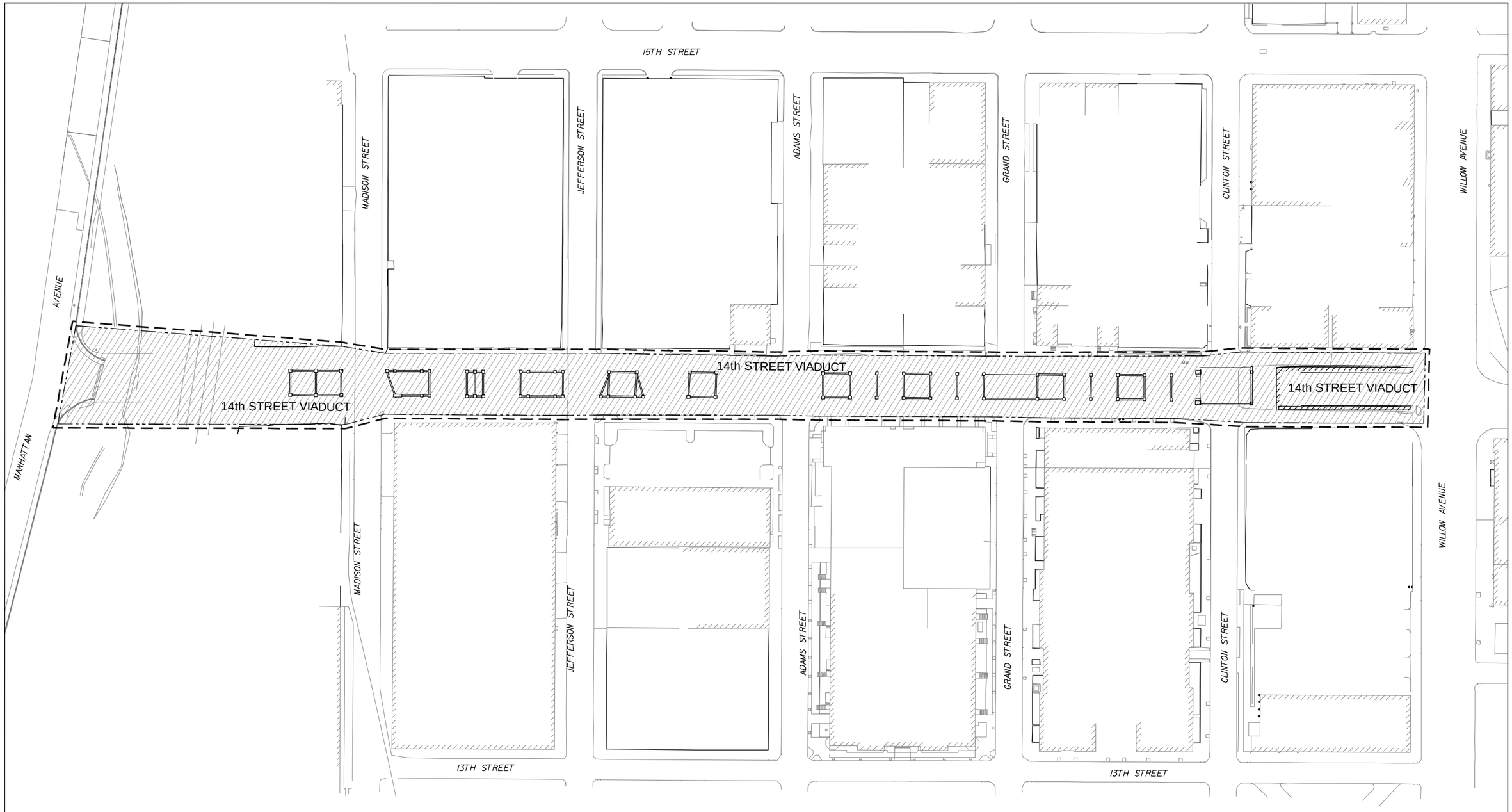
Attachment

c. Hudson County Office of County Engineer; Attn: Demetrio Arencibia, P.E.
TranSystems, Inc.; Attn: John G. Chiara, P.E.

G:\36059_TranSystems\004\14th St SI_RIR\01 Cover Letter\2010-0716_HAI_TranSystems_14th_Street_SI-RIR_Cover_Letter-F.docx

Case Inventory Document

I. Area(s) of Concern, Receptor and Emergency Response Tracking	*Impacted Media*	*Contaminants of Concern*	*Exposure Route*	*Receptors*		*Current Status/Outcome*
				Existing	*Potential*	
AOC-1 Historic Fill Material	Soil GW	VOCs PAHs Metals PCBs TPH	None	None	None	**June 2009** - Site Investigation activities commenced with soil borings. Historic fill material was documented in soil borings. Remedial Investigation commenced immediately. Additional soil borings and groundwater monitoring wells were installed. Soil and groundwater samples were collected. Soil and groundwater contamination was confirmed. Historic fill material was delineated horizontally to property boundary and vertically. **June 2010** Hudson County prepares to put bridge reconstruction project out to bid and retains Haley & Aldrich to perform LSRP functions. Haley & Aldrich prepares a Site Investigation/Remedial Investigation Report to document histroic fill material.



LEGEND:

PROPERTY LINE (APPROXIMATE)

SITE BOUNDARY

AOC-1 (HISTORIC FILL MATERIAL)

SOURCE:

AOC PLAN WAS PREPARED FROM A DRAWING FILE NAMED "TOPO_F.DWG" SITE ENTITLED "REPLACEMENT OF 14th STREET VIADUCT HOBOKEN & UNION CITY, HUDSON COUNTY, NEW JERSEY", PREPARED BY TRANSYSTEMS, RECEIVED IN MAY 2010.

N
W E
S

0 60 120 180 240
SCALE IN FEET

HALEY & ALDRICH

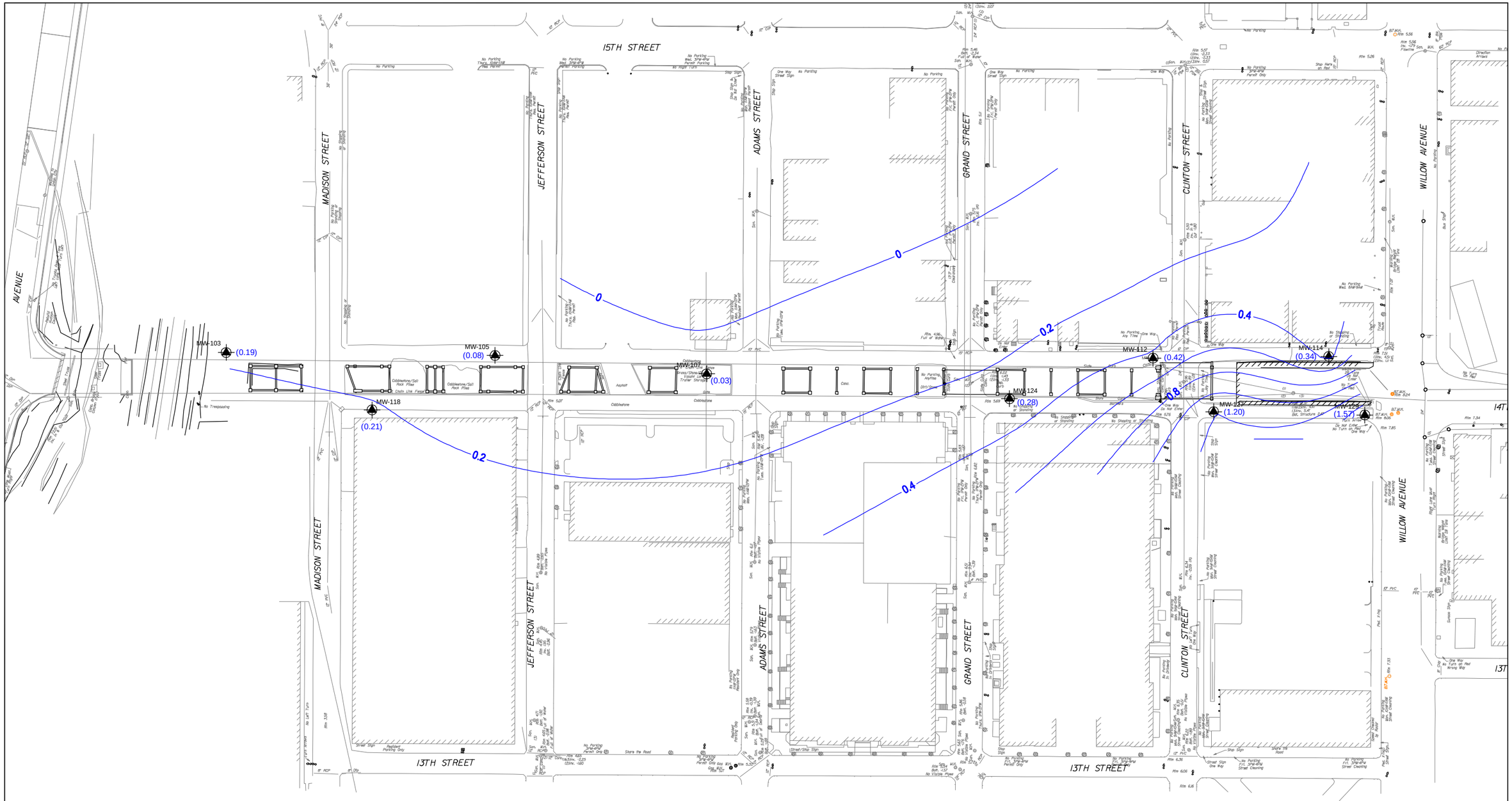
14TH STREET VIADUCT REPLACEMENT
14TH STREET FROM WILLOW AVE (HOBOKEN, NJ)
TO MANHATTAN AVE (UNION CITY, NJ)

AOC PLAN

SCALE: AS SHOWN
JULY 2010

FIGURE 5

G:\36059_TRANSYSTEMS\GLOBAL\CAD\DRAWINGS\36059-004-007D-AOC-PLAN.DWG



LEGEND:

MONITORING WELL LOCATION

0.6 — GROUNDWATER ELEVATION CONTOUR (CONTOUR INTERVAL : 0.2 FEET)

(0.39) GROUNDWATER ELEVATION FOR WELLS USED TO GENERATE CONTOURS

NOTES:

1. SITE PLAN WAS PREPARED FROM A DRAWING FILE NAMED "TOPO_F.DWG" SITE ENTITLED "REPLACEMENT OF 14th STREET VIADUCT HOBOKEN & UNION CITY, HUDSON COUNTY, NEW JERSEY", PREPARED BY TRANSYSTEMS, RECEIVED IN MAY 2010.

2. GROUNDWATER CONTOURS WERE GENERATED BY USING A COMPUTERIZED KRIGGING ROUTINE.

N
W E
S

0 60 120 180 240
SCALE IN FEET

HALEY & ALDRICH

14TH STREET VIADUCT REPLACEMENT
14TH STREET FROM MANHATTAN AVE (UNION CITY, NJ)
TO WILLOW AVE (HOBOKEN, NJ)

GROUNDWATER CONTOUR ELEVATION MAP - 28 MAY 2010

SCALE: AS SHOWN
JULY 2010

FIGURE 8

G:\36059_TRANSYSTEMS\GLOBAL\CAD\DRAWINGS\36059-004-011D-GW-CONT-MAY10.DWG

TABLE OF CONTENTS

		Page
1.	**INTRODUCTION**	**1**
1.1	Environmental Investigations	1
1.2	Site Description	1
1.3	Proposed Construction Project	1
1.4	Previous Environmental Investigation Activities	2
1.4.1	NJDOT Hazardous Waste Screening Report Summary	2
1.4.2	Remedial Action Report and Workplan – Former MGP Site	2
1.5	Regulatory Status	3
1.5.1	NJDEP Confirmed Discharge Notification	3
1.5.2	Notice of Retention of LSRP	3
1.5.3	Preliminary Assessment/Site Investigation Form	3
1.5.4	Remedial Investigation Report Form	3
1.6	Elevation Datum	4
2.	**PHYSICAL SETTING**	**5**
2.1	Topography	5
2.2	Local Land Use	5
2.3	Geology	6
2.3.1	Subsurface Stratigraphy	6
2.4	Hydrogeology	8
2.5	Soils	8
2.6	Surface Water and Wetlands	8
3.	**SITE INVESTIGATION/REMEDIAL INVESTIGATON PROCEDURES**	**9**
3.1	Soil Boring Installation	9
3.2	Soil Sampling and Analysis	9
3.3	Groundwater Monitoring Well Installation	10
3.4	Investigation-Derived Waste Disposal	10
3.5	Groundwater Monitoring	11
3.6	Groundwater Sampling and Analysis	11
3.7	Receptor Evaluation	11
3.7.1	Groundwater Use	11
3.7.2	On-Site and Surrounding Property Use	12
3.7.3	Vapor Intrusion Evaluation	13
3.7.4	Baseline Ecological Evaluation	14
3.8	Notification and Public Outreach	14
4.	**SITE INVESTIGATION/REMEDIAL INVESTIGATON FINDINGS**	**15**
4.1	Detailed Description of Area of Concern	15
4.2	Description of the Historic Fill Material	15
4.3	Analytical Results of Soil Sampling	15
4.3.1	VOCs	15
4.3.2	SVOCs	16
4.3.3	PCBs	16
4.3.4	Pesticides	16

TABLE OF CONTENTS
Continued

			Page
	4.3.5	Metals	16
	4.3.6	Total Petroleum Hydrocarbons	16
4.4	Analytical Results of Groundwater Sampling		16
	4.4.1	VOCs	16
	4.4.2	SVOCs	17
	4.4.3	Metals	17
4.5	Technical Overview		17
	4.5.1	Quality Assurance Project Plan	17
	4.5.2	Reliability of Analytical Data	18
	4.5.3	Summary of the Overall Nature of the Contamination	18
	4.5.4	Significant Events or Seasonal Variation	18
5.	**CONCLUSIONS AND RECOMMENDATIONS**		**19**

TABLES
FIGURES

APPENDIX A – NJDEP Confirmed Discharge Notification
APPENDIX B – NJDEP Notification of Retention of LSRP
APPENDIX C – NJDEP Preliminary Assessment/Site Investigation Report Form
APPENDIX D – NJDEP Remedial Investigation Report Form
APPENDIX E – Stratigraphic Boring Logs
APPENDIX F – Well Permits, Records, Construction Logs, Form A and B
APPENDIX G – Investigation-Derived Waste Disposal Documentation
APPENDIX H – Groundwater Contour Map Reporting Forms
APPENDIX I – Groundwater Field Sampling Report – 27 July 2009
APPENDIX J – Well Search Documentation
APPENDIX K – Receptor Evaluation Documentation
APPENDIX L – Baseline Ecological Evaluation Documentation
APPENDIX M – Notification and Public Outreach Documentation
APPENDIX N – Laboratory Analytical Data and EDSA Check

G:\36059_TranSystems\004\14th St SI_RIR\02 Text\2010-0716_HAI_TranSystems_14th_Street_SI-RI_Report_F.docx

LIST OF TABLES

Table No.	Title
I	Summary Table of Analytical Methods and QA Indicators - Soil
II	Monitoring Well Construction Summary
III	Groundwater Elevation Data
IV	Summary Table of Analytical Methods and QA Indicators – Groundwater
V	Summary of Well Search Data
VI	Groundwater to Indoor Air Vapor Intrusion Evaluation
VII	Analytical Results of Soil Sampling
VIII	Analytical Results of Soil QA/QC Sampling
IX	Analytical Results of Groundwater Sampling
X	Analytical Results of Groundwater QA/QC sampling

LIST OF FIGURES

Figure No.	Title
1	Project Locus
2	Site Plan
3	Geologic Cross-Section
4	NJGS Historic Fill Material Map
5	AOC Plan
6A	Soil Boring and Monitoring Well Location Plan – West
6B	Soil Boring and Monitoring Well Location Plan – East
7	Groundwater Contour Elevation Map– 27 July 2009
8	Groundwater Contour Elevation Map– 28 May 2010
9	Well Search Results
10	Vapor Intrusion Groundwater Screening Results – 30 ft Radius Plan
11	Soil Analytical Data
12	Groundwater Analytical Data

1. INTRODUCTION

The Hudson County Department of Engineering (Hudson County) is submitting this Site Investigation/Remedial Investigation Report (SI/RIR) for the 14th Street Viaduct, a bridge located in the City of Hoboken and Union City, Hudson County, New Jersey (refer to Figure 1). The bridge spans over the New Jersey Transit Hudson-Bergen Light Rail and five (5) local roads (Madison, Jefferson, Adams, Grand and Clinton Streets). The Hudson County Department of Public Resources proposes to replace the 14th Street Viaduct. The bridge has experienced widespread physical deterioration, has inadequate structural capacity, is fracture critical, and has inadequate geometric and safety features. Traffic demands on the surrounding roadway system and the bridge have significantly increased since the structure was built, resulting in an unacceptable level of service and reduced mobility. Furthermore, the structure was not designed to current standards for seismic loading, the railing system does not meet present safety standards, and two (2) of the underpassing roadways do not provide adequate vertical clearances for vehicular traffic.

1.1 Environmental Investigations

In advance of bridge demolition and construction activities, in 2009, TranSystems, Inc, (TranSystems) performed environmental Site Investigation and Remedial Investigation activities of the right-of-way area located beneath the viaduct (the "Site") (refer to Figure 2). TranSystems retained Haley & Aldrich, Inc. (Haley & Aldrich) to perform soil and groundwater sampling activities. During the course of the investigations, historic fill material was observed in the subsurface beneath the viaduct. Soil and groundwater contamination related to the historic fill material was documented. No other Areas of Concern (AOCs) were identified at the Site. This SI/RIR has been prepared to document the presence of the historic fill material at the Site in accordance with the New Jersey Department of Environmental Protection (NJDEP) Technical Requirements for Site Remediation (N.J.A.C. 7:26E).

1.2 Site Description

The 14th Street Viaduct is an approximate 100-year-old elevated four-lane roadway which spans New Jersey Transit Hudson-Bergen Light Rail and five (5) local roads (Madison, Jefferson, Adams, Grand and Clinton Streets). The 14th Street Viaduct begins to the east at street level at the intersection of Willow Avenue and 14th Street in Hoboken, and extends westward, ascending approximately 84 feet (ft) upward to a point perpendicular to the Hudson Palisades in Union City to connect to the Wing Viaduct (i.e., Manhattan Avenue), which runs along the face of the cliff. The eastern project limits extend beyond the viaduct to Park Avenue. The approximate midpoint of the viaduct (at Adams Street intersection) is located at NJ State Plane Coordinates (621644, 700079).

1.3 Proposed Construction Project

The proposed construction project entails the demolition of the existing bridge and the construction of a replacement bridge on the same general horizontal and vertical alignments as the existing structure. The bridge deck will be widened at the south fascia of the structure, maintaining the north fascia line of the existing bridge. A multi-girder bridge consisting of steel girders supported on reinforced concrete substructure units is proposed for the replacement structure. The reinforced concrete substructure will be supported on a driven pile foundation.

The existing vacant areas below the bridge will be transformed into an outdoor urban community space which will include both permeable (grass, trees, landscaping) and impermeable surfaces (concrete, asphalt

and cobblestones underlain by impermeable concrete). The existing marginal (side) streets alongside the viaduct will be resurfaced. The proposed project also includes 14th Street intersection improvements at Manhattan Avenue in Union City, and at the Willow Avenue and Park Avenue intersections in Hoboken.

1.4 Previous Environmental Investigation Activities

One previous environmental investigation, a New Jersey Department of Transportation (NJDOT) Hazardous Waste Screening Report (HWSR) is known to have been performed at the subject Site. In addition, an environmental investigation currently is being performed by others at an adjacent former Manufactured Gas Plant (MGP) property located at the southwest corner of 14th Street and Willow Avenue.

1.4.1 NJDOT Hazardous Waste Screening Report Summary

During May 2004, TranSystems, formerly Lichtenstein Consulting Engineers, prepared a HWSR at the Site for the 14th Street Viaduct replacement project in accordance with NJDOT guidance. The HWSR was approved by NJDOT Bureau of Environmental Services on 7 June 2004. Twelve (12) properties located adjacent to the Site were identified in the HWSR as having potential for contamination. TranSystems recommended environmental sampling in right-of-way areas of the project limits (i.e., within the limits of the present Site) to determine the presence of hazardous substances or petroleum products on the Site potentially migrating onto the Site from the adjacent properties. The conclusions and recommendations of the 2004 HWSR resulted in the performance of the environmental investigation that is documented in this SI/RIR.

1.4.2 Remedial Action Report and Workplan – Former MGP Site

TranSystems obtained and reviewed *the Remedial Action Report and Workplan, Block 116, Lot 1.2 (aka 1.02), 1316-1330 Willow Avenue, Hoboken, NJ*, prepared by Dresdner Robin, Inc., dated January 2009, (NJDEP Program Interest #006372). The property, the location of a former manufactured gas plant (MGP) facility and a known leaking underground storage tank (UST) site, is the subject of Memorandum of Agreements between the NJDEP and two (2) responsible parties, Public Service Electric and Gas (PSE&G) and Cumberland Farms Inc. Both parties have conducted soil and groundwater investigations of the property and filed reports documenting the presence of soil and groundwater contamination within the site. Previous operations at the site include coal gas manufacture and retail gasoline sales.

According to the report, investigations performed by PSE&G, as presented in MACTEC Engineering and Consulting Inc. Remedial Action Selection Report (RASR), indicate impacted groundwater from the former MGP and service station operations encompassing a five block area west and southwest of the PSE&G site.

According to the report, the contract purchaser of the adjacent former MGP site, Advance at Hoboken, LLC (Advance) has proposed a commercial/residential mixed use redevelopment of the site. As the contract purchaser, Advance has entered into a Memorandum of Agreement with the NJDEP and will assume the remedial obligation for the on-site soils only. PSE&G remains liable for groundwater contamination beneath the site and soil and groundwater contamination related to MGP operations that may have migrated off-site. Cumberland Farms remains responsible for soil and groundwater contamination related to retail gasoline operations that may have migrated off-site.

The Remedial Action Workplan proposed the following remedial actions at the former PSE&G MGP site:

- Bedrock Surface Investigation.
- Pre-Remediation Activities.
- Removal of three (3) regulated underground storage tanks (USTs).
- Installation of a permanent groundwater barrier.
- Excavation of 61,000 cubic yards (CY) and off-site disposal of approximately 49,000 CY of contaminated soil.
- Reuse of approximately 12,000 CY of soil impacted with historic fill constituents.
- Engineering Control and Implementation of a Site Wide Deed Notice to address reused soils.

The RAW for the former PSE&G MGP site has been approved by the NJDEP.

1.5 Regulatory Status

This SI/RIR report is prepared in accordance with the Licensed Site Remediation Professional (LSRP) regulations specified in Administrative Requirements for the Remediation of Contaminated Sites (ARRCS) N.J.A.C. 7:26C. Hudson County has retained Haley & Aldrich to perform LSRP functions with respect to the environmental investigations at the Site.

1.5.1 NJDEP Confirmed Discharge Notification

Based upon a review of soil and groundwater analytical data provided to Haley & Aldrich on 20 April 2010, the presence of soil and groundwater contamination related to the historic fill material was confirmed. As such, on 20 April 2010, Haley & Aldrich contacted the NJDEP Hotline and the Site was assigned NJDEP Case Number 10-0420-1310-04. Haley & Aldrich completed a NJDEP Confirmed Discharge Notification form; the form was executed by Hudson County and submitted it to the NJDEP on 4 May 2010. A copy of the form is included as Appendix A.

1.5.2 Notice of Retention of LSRP

A LSRP Notice of Retention or Dismissal Form, executed by Hudson Count on 27 April 2010, is included as Appendix B.

1.5.3 Preliminary Assessment/Site Investigation Form

A completed NJDEP Preliminary Assessment/Site Investigation Report form is included as Appendix C. It should be noted that, in accordance with N.J.A.C. 7:26E-3.2, a Preliminary Assessment is not required for the Site. Therefore, the PA/SI Report form indicates that a PA was not performed and information included on the form is limited to Site Investigation activities.

1.5.4 Remedial Investigation Report Form

A completed NJDEP Remedial Investigation Report form is included as Appendix D.

1.6 Elevation Datum

Elevations in this report are in feet and are referenced to the National Geodetic Vertical Datum (NGVD) - 1929.

2. PHYSICAL SETTING

The Site is 6.47 acres in area and consists of an elevated bridge with a two-lane roadway, with fenced-off and vacant undeveloped areas underneath portions of the roadway (refer to Figure 2). The bridge was constructed in 1910.

2.1 Topography

The project Site is depicted on the Weehawken Quadrangle, USGS 7.5 Minute Series topographic map (Figure 1). Topography at the western abutment is characterized by steep slopes and rock walls. Topography at street level below the structure is relatively flat. The top of roadway elevation of 14th Street at the western bridge limits is at approximately 90 ft above Mean Sea Level (MSL), while the top of roadway at the eastern bridge limits (Willow Street intersection) is at an elevation of approximately 6 ft above MSL.

2.2 Local Land Use

The vicinity of the project Site can be described as mixed commercial and residential area, including office buildings, small shops, apartments, condominiums, warehouses, bus depots and vacant lots. The Site is bordered to the west, across Manhattan Avenue, by the Hudson Palisades retaining wall. The Site is bordered to the north by a NJ Transit Bus Depot, Academy Bus Depot, Manhattan Auto Group, River West Plumbing and Heating Supplies, P&B Trailer Service, La Tartuferia Restaurant, Minervini-Vandermark Architects, a single-family residential dwelling, The Harbor rehabilitation center, Hertz Car Rental, and a Hess service station. The Site is bordered to the northeast and southeast across Park Avenue by the New York Sports Club and an apartment building, respectively. The Site is bordered to the south by a vacant lot under construction (former Universal Folding Box Co.), DFK Logistics Direct Freight Express Warehousing/Distribution, a multi-tenanted commercial strip mall, Clearview Cinema, Cypress Point Condominiums, a vacant lot (formerly Cumberland Farms/PSE&G), an apartment building, and the Malibu Diner.

The Viaduct spans between the north-south trending Palisades ridge in Union City at the west abutment to the low-lying land at the east abutment within Hoboken. The structure spans over the New Jersey Transit Hudson-Bergen Light Rail tracks at the west end at the foot of the ridge and over Madison Street, Jefferson Street, Adams Street, Grand Street and Clinton Street going east. The viaduct connects Manhattan Avenue, Union City in the west to Willow Avenue, Hoboken in the east. Elevation difference between Manhattan Avenue and Willow Avenue is approximately 85 ft. The West Abutment, near Manhattan Avenue, is characterized by steep rock slopes and rock walls, whereas the ground surface topography at the 14th Street is relatively flat. The existing area underneath the viaduct superstructure between Willow Avenue and Madison Street is paved with granite Belgian blocks with asphalt overlay on cross streets. Ground subsidence on 14th Street is evident along the entire stretch of the street on either side of the viaduct structure, with displaced Belgium blocks and ruts. The area between Madison Street and Jefferson Street on the north side of the viaduct and area west of Madison Street on both sides of the viaduct are fenced and overgrown with vegetation and some piles of construction debris were also observed.

Pursuant to N.J.A.C 7:26E-1.4(f), Haley & Aldrich performed a Receptor Evaluation and identified sensitive populations and resources located within 200 ft of the Site boundary. The Receptor Evaluation is discussed in Section 3.7.

2.3 Geology

The Site lies within the Piedmont Physiographic Province which is a narrow band (approximately 20 miles wide) running southwest to northeast across northern New Jersey. Within this Province and according to the USGS Bedrock Geologic Map of Northern New Jersey, the Site is underlain by the Stockton Formation. This Triassic formation consists of light-gray, light-grayish-brown, yellowish- to pinkish-gray, or violet-gray to reddish-brown, medium- to coarse-grained arkosic sandstone and reddish- to purplish-brown mudstone, silty mudstone, argillaceous siltstone, and shale. The Site is situated at the contact between the Palisades Sill and the Stockton formation. The sill is Triassic diabase intrusion which outcrops prominently for about 50 miles roughly parallel to the Hudson River. The Palisades Diabase is a dark gray to black, fine- to coarse-grained dense and resistant rock. The surficial geology of the area has been influenced by glacial and post-glacial events. Original glacial lake sediment deposits over the deep bedrock were mostly later eroded by melt-water floods following the breach of morainal dams. Marine incursion followed producing a thick sequence of post-glacial estuarine deposits including silts and clays. The variations in texture and composition reflect their accumulation under variable post-glacial sea levels. Post glacial deposits include alluvium, wetland deposits, and talus at the base of rock cliffs. The Site appears to have been covered by shallow tidal marsh deposits (organic silts and peat) which has been excavated and then covered with imported fill material to create useable land.

2.3.1 Subsurface Stratigraphy

The following information concerning site stratigraphy was documented during the performance of geotechnical borings at the Site. The Site has been separated into two (2) general areas for presentation in this report section. The West Abutment Area lies west of the NJ Transit Rail tracks, extending to Manhattan Avenue in Union City. The 14th Street Area is east of the NJ Transit Rail tracks, in Hoboken, along 14th Street, extending to Willow Avenue at the east end. Geologic cross-sections are presentment in Figure 3.

2.3.1.1 West Abutment Area

This area consists of the steeply sloping ridge (Palisades Sill) previously described in Section 2.3. There are rock outcrops along the sloping ridge with vegetation and loose rocks and boulders. Based on the four (4) test borings performed in this area (B-101, B-102, B-115 and B-116) the subsurface materials encountered are described below in order of increasing depth below ground surface. The ground surface in this area dips steeply such that the ground elevation at test borings B-101 and B-115 is approximately El. 92 and the elevations at B-102 and B-116 are about El. 79 and El. 73, respectively. Refer to the stratigraphic boring logs (Appendix E) for a detailed description of each test boring.

Silty Sand: All of the borings in the West Abutment Area encountered this stratum of silty Sand to a depth of 2 to 8 ft below existing ground surface. This material generally consisted of brown to red brown, medium dense to dense, Silt and Sand with little to trace gravel.

Weathered Rock: Some weathered rock was encountered at test borings B-101 and B-116 below the silty Sand stratum, consisting primarily of rock fragments of various sizes. This stratum varied in thickness from 2 to 6 ft.

Bedrock: Bedrock was encountered underlying the silty Sand stratum at test borings B-102 and B-115 and below the weathered rock stratum at test borings B-101 and B-116.

Fifteen (15) to 20 ft of rock core sample was obtained from each test boring. The bedrock is described as hard, fresh, gray, fine-grained Diabase.

2.3.1.2 14th Street Area

This area lies at the foot of the sloping ridge and extends east to Willow Avenue. As described previously (Section 2.3) this area was deposited with post-glacial estuarine deposits over bedrock including silts and clays followed by post-glacial deposits of alluvium and wetland deposits. The Site later appears to have been covered by shallow tidal marsh deposits (organic silts and peat) which was excavated and later covered by imported fill material to create useable land.

Forty seven (47) test borings were performed in this area. These include twenty eight (28) under the recent program and nineteen (19) under previous exploration program. Based on the test borings performed in this area, the subsurface material encountered are described below in order of increasing depth below ground surface. The terrain in this area is relatively flat and ground surface elevation ranges from about El. 4 to El. 7.5. Refer to stratigraphic boring logs (Appendix E) for a detailed description of each test boring.

Fill: The fill stratum was encountered along the entire 14th Street Area of the Viaduct. This stratum is generally described as loose to medium dense, brown to dark brown, Sand to silty Sand, with gravel, fragments of brick, concrete, glass and cinder. This stratum was likely imported to the area as landfill material before the original viaduct was built to fill in the tidal marsh. The thickness of this stratum varies from 12 to 15 ft on the north side of the viaduct and 15 to 35 ft on the south side of the viaduct.

Peat and Organic Silty Clay: Directly underlying the fill stratum a layer of Peat and organic silty Clay was encountered in most test borings. Generally this stratum can be described as very soft to soft, dark brown, fibrous Peat and organic silty Clay. The stratum was observed in most borings in varying thicknesses ranging from 5 ft to 13 ft. This peat typically gradually transitions to the silty clay stratum present underneath. It is expected that this stratum had been continuous across the Site in the past, based on the marsh environment that existed before the uncontrolled fill was imported to this area.

Silty Clay: This stratum was observed directly underlying the Peat and organic silty Clay or below the fill stratum where the Peat and organic silty Clay was not encountered. Generally described as very soft to soft, brown, red brown, gray silty Clay to Clay, the material could be penetrated with the standard split spoon by the weight of drilling rods or addition of the 140-lb SPT hammer. This stratum varied in thickness from 5 to 70 ft.

Sand: This stratum lies under the Silty Clay stratum and was observed only in the vicinity of the East abutment. It is generally described as loose to medium dense, brown/red brown/gray, Sand with little to trace silt. The thickness of this layer varied from 25 to 55 ft.

Compressed Peat: A very thin layer of compressed peat was observed in several borings. Described as soft to stiff, dark brown, consolidated Peat and Silt, this layer had an organic odor. It generally overlies the Sand and Gravel stratum and was observed to be up to 5 ft in thickness.

Sand and Gravel: This stratum was observed overlying the weathered bedrock in several test borings. Generally described as medium dense to very dense, red brown/gray, Sand and Gravel the thickness of this layer varies from 15 to 40 ft.

Weathered Rock: This stratum overlies the more competent bedrock and varies in thickness from 5 to 20 ft. This stratum was explored using standard split spoon sampler and NX core barrel sampler. Generally described as highly to moderately weathered, fine- to medium-grained Sandstone, it varies in thickness from 5 to 10 ft.

Bedrock: Rock core samples obtained in the test borings are described as hard to very hard, fresh to moderately weathered, red-brown/tan/gray/dark gray, fine- to coarse-grained, Sandstone, with extremely close to open, rough, fresh to decomposed, horizontal to vertical joints and thin to thick, horizontal to low angle bedding planes. The depth to bedrock was approximately 45 to 50 ft below existing ground surface at the west end of the Site, dipping to about 115 to 120 ft depth below existing ground surface near the middle of the Site and gradually rising to approximately 45 to 50 ft below existing ground surface at the east end of the Site. The bedrock dips to the south by approximately 6 ft at the extreme west end of the Site, then immediately stays relatively flat at the east end, then dips by 13 ft due north at the middle of the Site, and finally dips north by 2 to 5 ft at the middle to east end of the Site.

Geological cross-sections, which include top of bedrock contours, are included as Figure 3.

2.4 Hydrogeology

The water table is encountered in the unconfined unit underlying the Site. The depth to groundwater ranges from approximately 3.45 to 6.81 ft below ground surface (bgs) based on groundwater level measurement conducted on 28 May 2010, which corresponds to approximately El.0 to El.1.

2.5 Soils

There is no available Natural Resources Conservation Service (NRCS) soil survey for Hudson County; therefore, no soils mapping information was reviewed. Review of the New Jersey Geological Survey's *Historic Fill of the Weehawken Quadrangle (2004)* map (Figure 4) reveals that Historic Fill is identified throughout the entire project site. Historic Fill is defined as "non-indigenous material placed on a Site in order to raise the topographic elevation." TranSystems confirmed the presence of Historic Fill at the Site to a maximum depth of approximately 35 ft bgs, based on soil boring logs. Refer to Section 2.3.1, above, for a description of the soils encountered at the Site.

2.6 Surface Water and Wetlands

The Weehawken Cove of the Hudson River is located approximately 800 ft north of and topographically downgradient from the Site. The Hudson River is located approximately 1800 ft east of and topographically downgradient from the Site (Figure 1). Stormwater runoff generated on the viaduct is collected in a drainage system and discharged to an existing storm sewer system at street level, which ultimately discharges to the Hudson River. Stormwater runoff generated along the cross streets and marginal roads at street level is collected in an existing combined sanitary/storm sewer system. No major changes to the existing storm sewer system or combined sewer system are proposed for the construction project.

3. SITE INVESTIGATION/REMEDIAL INVESTIGATON PROCEDURES

Field activities were performed at the Site for both geotechnical and environmental purposes. The initial goal of the environmental work was to conduct a Site Investigation to determine if any soil and/or groundwater contamination was present which might affect bridge demolition and reconstruction plans and to document the potential presence of historic fill material, which publicly-available data prepared by the NJDEP (refer to Figure 4) indicated was present in the vicinity of the Site. To perform the environmental investigation, soil borings and groundwater monitoring wells were installed at the Site. Installation of the initial soil borings immediately confirmed the presence of historic fill material, and a Remedial Investigation was initiated to delineate the extent of contamination. Based upon the results of the investigations, one AOC was identified at the Site: AOC-1 Historic Fill Material. The historic fill material was determined to be present throughout the Site. Therefore, the horizontal extent of AOC-1 is the entire Site (refer to the AOC Plan, Figure 5). The vertical extent of historic fill material is depicted on Figure 3. TranSystems contracted Jersey Boring & Drilling (JBD) to perform soil boring and groundwater monitoring well installations, and contracted Haley & Aldrich to perform the soil and groundwater sampling activities. TranSystems provided oversight and coordination of the Site Investigation/Remedial Investigation field activities and preparation of soil boring logs.

3.1 Soil Boring Installation

A total of thirty-two (32) soil borings were installed at the Site for geotechnical and environmental purposes from 3 June 2009 to 14 July 2009. These borings were labeled “B-101” through “B-129”, plus “EB-1”, EB-2” and “EB-4” (refer to the Soil Boring and Groundwater Monitoring Well Location Plans (Figures 6A and 6B). The soil boring locations were biased to areas that are planned to be excavated for the proposed new construction of bridge piers and abutments, and also in conjunction with off-Site locations identified as having potential to environmentally impact the Site, as documented in the HWSR (refer to Section 1.4.1). The mud rotary drilling method was used to advance the borings, using bentonite slurry as the drilling fluid. Soil samples were obtained using the Standard Penetration Test Method, with a split spoon sampler, driven by a 140 pound hammer free-falling 30 in. Blows for each 6 in. of penetration were recorded. Samples were described and classified in accordance with the Burmeister Soil Classification Method. In general, the soil samples were collected from the ground surface continuous to 12 ft bgs, and at 5 ft intervals thereafter. Each split-spoon soil sample was field-screened upon retrieval utilizing a photoionization detector (PID), and field observations were made for discernible indicators of contamination, such as petroleum staining and/or odors. Soil borings were advanced to bedrock at depths ranging from approximately 5 to 122 ft bgs, with depth to bedrock in the majority of the borings ranging from approximately 50 to 110 ft. Rock cores of either 10, 15, or 20 ft in length were collected from the majority of the borings. Detailed boring logs, including geologic descriptions, field-screening readings, and other observed conditions were recorded for each soil sample collected during the course of soil sampling program (refer to Appendix E for stratigraphic borings logs).

3.2 Soil Sampling and Analysis

Of those thirty-two (32) soil borings, environmental soil samples were collected from twenty-four (24) borings, and a total of fifty (50) environmental soil samples were collected from those twenty-four (24) soil borings (refer to Table I for Summary Table of Analytical Methods and Quality Assurance Indicators for Soil). All environmental soil sampling was performed by Haley & Aldrich under the direction of TranSystems. In general, two (2) soil samples were collected from each of the selected borings for environmental analysis. The first sample typically was collected from a 6-in. interval within the 0-2 ft bgs range to evaluate surface soils. The second sample typically was collected from the 6-in. interval located between 2 ft bgs and 6 in. above groundwater table which exhibited the highest PID reading.

Each soil sample collected using the split spoon sampler was field screened for volatile organic compounds (VOCs) using a handheld MiniRAE 3000 PID. The unit was calibrated before use by applying ambient air and a 100 parts per million (ppm) isobutylene standard gas in accordance with the manufacturer's instructions. Soil samples, after retrieval from the split spoon, were immediately transferred to an individual sealable plastic bag, and the PID readings were obtained by inserting the tip of the instrument probe into the sealed plastic bag confined headspace. The peak PID readings for each sample were recorded on the boring log and used for soil sample selection for laboratory analyses.

Laboratory samples were collected using EnCore sampling devices for VOCs, and in laboratory supplied, pre-cleaned glassware for other analyses. Sampling equipment was decontaminated before each sampling event by washing in a detergent and potable water solution, then rinsing in potable water. Three (3) equipment rinsate blank samples and four (4) field duplicate samples were collected and analyzed. Soil samples were placed in a cooler on ice, chilled to 4 degrees Celsius, and transported under chain of custody to TestAmerica Laboratories, Inc. (TestAmerica), Edison, New Jersey, a NJDEP-certified laboratory, Certification No. 12028, for analysis. Standard turnaround time and the NJDEP Reduced Data Deliverables package were requested.

Soil samples were analyzed for Target Compound List (TCL) VOCs with a library search for the ten (10) highest tentatively identified compounds (VOC+10) by USEPA Method SW8260B, TCL semivolatile organic compounds with a library search for the fifteen highest tentatively identified compounds (SVOC+15) by USEPA Method SW8270C, polychlorinated biphenyls (PCBs) by USEPA Method SW8082, TCL Pesticides by USEPA Method SW8081A, Target Analyte List (TAL) Metals by USEPA Methods SW6010 and 7471A, and total petroleum hydrocarbons (TPH) by NJDEP Method OQA-QAM-025. In addition, one (1) soil sample collected at a depth of 66.5-67 ft bgs from boring B-123 was also analyzed for GC-FID Fingerprint by USEPA Method 8015B-Qualitative due to the fact that a petroleum odor and an oily substance were observed at this depth. It should be noted that boring B-123 is located close to the former PSE&G MGP site (refer to Section 1.4.2). Refer to Section 4.3 for a summary of the analytical results of soil sampling.

3.3 Groundwater Monitoring Well Installation

Between 11 June 2009 and 9 July 2009, nine (9) groundwater monitoring wells were installed at the Site by a NJDEP licensed well driller. These wells were labeled MW-103, MW-105, MW-107, MW-112, MW-114, MW-118, MW-124, MW-127 and MW-129. Each monitoring well was installed adjacent to its corresponding boring number (i.e., MW-112 was installed adjacent to boring B-112). Refer to the Soil Boring and Monitoring Well Location Plans (Figures 6A and 6B). Monitoring wells were constructed of 10-ft long, 2-in. interior diameter (ID) pre-slotted screened interval (0.020-inch slot size) polyvinyl chloride (PVC) and 2-in. ID solid PVC riser. Total well depths ranged from 12.5 to 18 ft bgs. Well construction information is summarized in Table II. The monitoring wells were developed following installation by pumping and surging. A Professional Land Surveyor licensed in the State of New Jersey surveyed the monitoring well locations. The NJDEP Monitoring Well Permits, NJDEP Well Records, NJDEP Form A and Form B for each well, and the construction logs for each well are provided in Appendix F.

3.4 Investigation-Derived Waste Disposal

Investigation-derived waste (IDW), including drill cuttings and development and purge water, was placed in 55-gallon drums and temporarily staged onsite, pending offsite disposal. Documentation of the disposal of forty (45) drums of IDW is provided in Appendix G.

3.5 Groundwater Monitoring

On 27 July 2009 and 28 May 2010, water levels were collected from the nine (9) groundwater monitoring wells. Water level data were converted to groundwater elevations using surveyed well elevations. Groundwater contours for the two monitoring dates were generated using a computerized Kriging routine. The two sets of groundwater elevation data both indicate that groundwater is expected to flow towards the north. Refer to Table III for a summary of the groundwater elevation data and to Figures 7 and 8 for the groundwater elevation contours for 27 July 2009 and 28 May 2010, respectively. Appendix H contains the Contour Map Reporting Forms for the overburden groundwater elevation contour maps as required by N.J.A.C. 7:26E.

3.6 Groundwater Sampling and Analysis

On 27 July 2009, groundwater samples were collected from the nine (9) monitoring wells by field personnel from TestAmerica, in accordance with the NJDEP Field Sampling Procedures Manual (August 2005). A peristaltic pump with disposable tubing was used for purging and sampling. Groundwater samples were collected from each well after purging the well using low-flow sampling techniques. The nine (9) groundwater samples were pumped directly into the laboratory supplied sample containers. One (1) field blank and one (1) trip blank were also submitted for analysis. All groundwater samples were analyzed for TCL VOC+10 by USEPA Method E624, TCL SVOC+15 by USEPA Method E625 and SW8270 Select Ion Monitoring (SIM), and TAL Metals by USEPA Methods 200.7 and 245.1. In addition, two (2) samples, MW-103 and MW-118, were also analyzed for TCL Pesticides by USEPA Method 608. Refer to Table IV for a Summary Table of Analytical Methods and Quality Assurance Indicators for Groundwater. The TestAmerica field sampling report is provided in Appendix I. Refer to Section 4.4 for a summary of the analytical results of the groundwater sampling.

3.7 Receptor Evaluation

As required by N.J.A.C. 7:26E-1.15an initial Receptor Evaluation was conducted for the Site. The purpose of the Receptor Evaluation is to document the existence of human or ecological receptors and the actions taken to protect receptors. The Receptor Evaluation includes the evaluation of four potential receptors: groundwater use, on-site and surrounding property use, vapor intrusion, and ecological receptors, as discussed in detail below.

3.7.1 Groundwater Use

On 18 February 2010, TranSystems reviewed publicly available NJDEP well records available on the NJDEP Data Miner website and the NJDEP's Division of Water Supply website in an attempt to obtain information concerning groundwater monitoring and potable wells located within a one-half mile radius of the Site, and industrial wells within a one-mile radius of the Site. A tax map was used in conjunction with website search to assist in locating wells. The Data Miner search indicated that no irrigation wells or wells with water allocation permits are located within a one-mile radius of the Site, no potable wells are located within a one-half mile radius of the Site, and the Site is not located within a well-head protection area. A large number of groundwater monitoring wells, injection wells, recovery wells and soil vapor extraction wells were identified. One industrial well was located in Union City. A complete printout of the preliminary well search database results is included in Appendix J. Wells that are located within the NJDEP-specified search radius are highlighted in the printout.

On 14 May 2010, Haley & Aldrich submitted a One-Mile Radius Well Search Request to NJDEP in accordance with N.J.A.C. 7:26E-3.7(e)3i. On 24 June 2010, Haley & Aldrich received the well

search documentation from the NJDEP. Haley & Aldrich reviewed the documentation, and determined that:

- Several hundred groundwater monitoring wells and several wells designated as injection and soil vapor extraction (SVE) wells were located within a one-half mile radius of the Site boundary.
- No potable wells were located within a one-half mile radius of the Site boundary.
- Four (4) industrial wells were located within a one mile radius of the Site boundary.
- No irrigation wells or wells with water allocation permits were identified within a one mile radius of the Site boundary.

The results of this review of the NJDEP well search documentation confirmed the findings of the 18 February 2010 review performed by TranSystems, and indicated that no potable wells were identified within one-half mile of the Site boundary. In addition, the Site is not located within a well-head protection area. Refer to Table V for a summary of well search data in accordance with N.J.A.C. 7:26E-1.17(a)1iii. Refer to Figure 9 for the locations of the four (4) industrial wells. Refer to Appendix J for the well search documentation.

3.7.2 On-Site and Surrounding Property Use

On 16 May 2010, Haley & Aldrich utilized NJDEP i-MAP to obtain information concerning sensitive populations and resources located within 200 ft of the Site boundary. The following information was provided by NJDEP i-MAP:

a) **Residences:** Five (5) residences are located within 200 ft of the Site boundary. These residence are as follows:

Block #	Lot #	Address
114	13	1325 Adams Street, Hoboken
114	14	409-415 14th Street, Hoboken
117	2	1313-1315 Willow Avenue, Hoboken
122	4	358 14th Street, Hoboken
122	5	1409 Grand Street, Hoboken

b) **Public and Private Schools that Teach Students in Any of the Grades Kindergarten Through Twelve:** No public or private schools were identified within 200 ft of the Site boundary.

c) **Child Care Facilities:** No child care facilities were identified within 200 ft of the Site boundary.

d) **Public Parks and Playgrounds:** No public parks and playgrounds were identified within 200 ft of the Site boundary.

The NJDEP Receptor Evaluation Form and a scaled site map indicating the locations of the above residences in relation to the Site are included in Appendix K.

3.7.3 Vapor Intrusion Evaluation

The vapor intrusion (VI) evaluation is not yet complete due to off-site access issues. A vapor intrusion evaluation is required by the NJDEP due to the fact that groundwater contamination in the form of VOCs is present at concentrations greater than the NJDEP Vapor Intrusion Ground Water Screening Levels (VIGWSLs) in monitoring well MW-114, which is located within 30 ft of the building located at 1404 Willow Avenue, Hoboken, New Jersey (refer to Table VI and Figure 10). The building presently is leased by Hertz Rent-a-Car (Hertz) and is utilized as a retail car rental facility. NJDEP regulations require a vapor intrusion investigation whenever groundwater contaminated with dissolved petroleum hydrocarbon VOCs is located within 30 ft of a building. It should be noted that VOC-contaminated groundwater was also detected in wells MW-112, MW-124 and MW 129; however, none of these three wells is located within 30 ft of a building. Therefore, no further evaluation of the potential for vapor intrusion is required of wells MW-112, MW-124 and MW 129.

Haley & Aldrich has been in contact with Hertz, and Hertz has provided Hudson County with a draft access agreement which, if executed by Hudson County, would allow Haley & Aldrich to enter the Hertz building and perform the vapor intrusion evaluation. Negotiations concerning site access are on-going, and are the reason why the vapor intrusion evaluation is not yet complete.

Assuming access is granted by Hertz, Haley & Aldrich will perform sub-slab sampling at one (1) location within the Hertz building concurrent with one (1) indoor air sample and one (1) ambient air sample to evaluate whether the VI pathway is complete at this location. The sub-slab sample will be analyzed first by the laboratory; the indoor air and ambient samples will be held by the laboratory pending receipt of the sub-slab soil vapor samples. If the sub-slab sample is determined to exceed NJDEP action levels, then the indoor air and ambient samples will be analyzed.

As part of this task, Haley & Aldrich would perform the following:

a) Provide NJDEP with seven (7) days notice before commencing field activities.

b) Prepare an NJDEP Indoor Air Building Survey and Sampling Form.

c) Plan, arrange, and monitor the installation of one (1) sub-slab soil gas implant in the Hertz building.

d) Perform sampling and conduct testing using summa canisters as follows: collect three (3) air samples: one (1) sub-slab sample, one (1) 24-hour indoor air sample, and one (1) 24-hour ambient air sample.

e) Subcontract with an NJDEP certified laboratory for analysis of three (3) air samples by EPA Method TO-15.

f) Upon receipt of laboratory data, we will conduct data validation to assess potential analytical uncertainty and data usability. All of the relevant field and laboratory data collected will be evaluated to assess the potential subsurface vapor intrusion pathway. Consistent with the NJDEP's guidance, a weight of evidence approach will be used to consider the data and determine whether the vapor intrusion to indoor air pathway is complete.

g) The results of the vapor intrusion evaluation will be documented in a future Supplemental Remedial Investigation Report.

3.7.4 Baseline Ecological Evaluation

On 28 May 2010, Haley & Aldrich performed a Baseline Ecological Evaluation (BEE) at the Site in accordance with N.J.A.C. 7:26E-3.11. The contaminated media at the Site is historic fill material, and the contaminants of concern include VOCs, SVOCs compounds, metals, pesticides, PCBs and TPH. At present, the historic fill material is located beneath the 14th Street Viaduct, and is covered by impervious asphalt or concrete. Due to the impervious cover, precipitation falling on the Site does not contact the historic fill material. Likewise, direct contact is not an issue. It can be concluded that there is no contaminant migration pathway at the Site.

A letter from the Natural Heritage Program, dated February 25, 2010, indicates that neither the Natural Heritage Database nor the Landscape Project has any records for any rare wildlife species on the project Site. The Natural Heritage Database does not have any records for rare plants or ecological communities on the Site or for rare plant species covered by the Flood Hazard Area Control Act rule within one mile of the Site. A copy of the Natural Heritage Program letter is included in Appendix L. In addition, no surface water bodies are present on the Site; the closest water body is the Weehawken Cove, located 900 ft north of the Site. It can be concluded that environmentally sensitive natural resources do not exist at the Site.

A similar conclusion was reached during recent environmental investigations performed at the former PSE&G MGP site located immediately adjacent to the Site. According to the *Remedial Action Report and Work Plan, Block 116, Lot 1.2, 1316-1330 Willow Avenue, Hoboken, NJ*, prepared by Dresdner Robin, Inc. dated January 2009 for the former PSE&G MGP site, "investigations performed by PSE&G, as presented in MACTEC Engineering and Consulting Inc. Remedial Action Selection Report (RASR), indicate impacted groundwater from the former Manufactured Gas Plant and service station operations encompassing a five block area west and southwest of the PSE&G site. Based on the extent and nature of the contamination, there are no migration routes to potentially environmentally sensitive areas on or near the Site. No further assessments for ecological impacts are recommended."

Based on the results of the BEE, no further ecological evaluation or testing is necessary for the Site. This conclusion is based on the finding that the co-occurrence of contaminants of ecological concern, environmentally sensitive natural resources and potential contaminant migration pathways do not exist at the Site.

3.8 Notification and Public Outreach

In accordance with N.J.A.C. 7:26E-1.4, the NJDEP requires that Hudson County provide public notice of the presence of contamination on the subject Site. Hudson County has elected to provide public notification in the form of posting a sign at the Site in accordance with N.J.A.C. 7:26E-1.4. The sign was posted on 14 July 2010, and will remain at the Site indefinitely (including during construction activities). In accordance with N.J.A.C. 7:26E-1.4, the sign has been photographed and the photograph has been submitted to NJDEP and the municipal clerk and public health official at both the City of Hoboken and Union City. Refer to Appendix M for a photograph of the sign and copies of the letters sent to the municipal clerk and public health official at both the City of Hoboken and Union City.

4. SITE INVESTIGATION/REMEDIAL INVESTIGATON FINDINGS

In accordance with N.J.A.C. 7:26E-3.13(b)4, the following is a discussion of the findings of the Site Investigation/Remedial Investigation for AOC-1 Historic Fill Material.

4.1 Detailed Description of Area of Concern

There is only one AOC at the Site: AOC-1 Historic Fill Material. The historic fill material was encountered in all soil borings performed during the Site Investigation/Remedial Investigation. The dimensions of AOC-1 are the entire Site, which is approximately 6.47 acres in area, with a depth ranging from 12 to 15 ft on the north side of the viaduct and 15 to 35 ft on the south side of the viaduct.

4.2 Description of the Historic Fill Material

In accordance with N.J.A.C. 7:26E-4.8(c)14, a description of the historic fill material, as documented in stratigraphic soil boring logs (Appendix E), is provided. This stratum is generally described as loose to medium dense, brown to dark brown, sand to silty sand, with gravel, fragments of brick, concrete, glass and cinder. This stratum was likely imported to the area as landfill material before the original viaduct was built to fill in the tidal marsh. Based upon the results of the Site Investigation/Remedial Investigation, and based on diligent inquiry of the history of the parcel of land, including use of the NJDEP's Geographic Information System, the fill material is non-indigenous material, was used to replace soil in an area or raise the topographic elevation of the Site, was contaminated prior to emplacement, and was in no way connected with the operations at the location of emplacement. Furthermore, based on the results of the Site Investigation/Remedial Investigation, the historic fill material does not include any material which is substantially chromate chemical production waste or any other chemical production waste or waste from processing of metal or mineral ores, residues, slag or tailings.

4.3 Analytical Results of Soil Sampling

Analytical results of soil sampling performed per Section 3.2 indicate that TCL VOCs, TCL SVOCs, TAL Metals, TCL Pesticides, PCBs, and TPH were detected in one or more soil samples at concentrations greater than the most stringent of the following soil standards: New Jersey Residential Direct Contact Soil Remediation Standards (RDCSRS), New Jersey Non-Residential Direct Contact Soil Remediation Standards (NRDCSRS), or NJDEP Default Impact to Groundwater Soil Remediation Standard (IGWSRS). The compounds detected are typical of those found in areas of historic fill material. Refer to Table VII for a summary of analytical results of soil sampling. The soil sample locations and soil analytical results are depicted on Figure 11. The laboratory summary sheets, the electronic data deliverables diskette in NJDEP-required format (NJDEP copy only), and a printout indicating that the data passed the Electronic Data Submittal Application (EDSA) check are included in Appendix N. Refer to Table VIII for analytical results of soil QA/QC sampling. The following is a summary of the compounds detected at concentrations greater than the most stringent NJDEP soil criteria:

4.3.1 VOCs

The following TCL VOCs were detected at concentrations greater than the most stringent soil standards: benzene, tetrachloroethene and xylenes.

4.3.2 SVOCs

The following TCL SVOCs were detected at concentrations greater than the most stringent soil standards: 2-methylnaphthalene, acenaphthene, benzo[a]anthracene, benzo[a]pyrene, benzo[b]fluoranthene, benzo[k]fluoranthene, dibenzo[a,h]anthracene, indeno[1,2,3-cd]pyrene naphthalene

4.3.3 PCBs

The following PCBs were detected at concentrations greater than the most stringent soil standards: Arochlor 1254 and Arochlor 1260.

4.3.4 Pesticides

The following TCL Pesticides were detected at concentrations greater than the most stringent soil standards: Alpha-BHC, Beta BHC, dieldrin, Gamma-BHC (Lindane), and heptachloroepoxide.

4.3.5 Metals

The following TAL Metals were detected at concentrations greater than the most stringent soil standards: aluminum, antimony, arsenic, beryllium, cadmium, cobalt, lead, manganese, mercury, nickel, selenium, silver, vanadium and zinc.

4.3.6 Total Petroleum Hydrocarbons

The NJDEP RDCSRS was exceeded for TPH in one sample.

4.4 Analytical Results of Groundwater Sampling

Analytical results of groundwater sampling performed per Section 3.6 indicate that TCL VOCs, TCL SVOCs, and TAL Metals were detected in one (1) or more groundwater samples at concentrations greater than the NJDEP Groundwater Quality Standards (GWQS). The compounds detected are typical of those found in areas of historic fill material. Refer to Table IX for a summary of analytical results of groundwater sampling. The groundwater monitoring well locations and groundwater analytical results are depicted on Figure 12. The laboratory summary sheets, the electronic data deliverables diskette in NJDEP-required format (NJDEP copy only), and a printout indicating that the data passed the Electronic Data Submittal Application (EDSA) check are included in Appendix N. Refer to Table X for analytical results of groundwater QA/QC sampling. The following is a summary of the compounds detected at concentrations greater than the GWQS:

4.4.1 VOCs

Analytical results of the 27 June 2009 round of groundwater sampling indicate concentrations of TCL VOCs exceed one (1) or more GWQS in five (5) wells (MW-107, MW-112, MW-114, MW-124, and MW-129). In all five (5) wells, benzene was the only compound that exceeded the New Jersey GWQS. Benzene concentrations ranged from 1.8 micrograms per liter (µg/L) in MW-107 to 82 µg/L in MW-112. In addition, three (3) wells (MW-107, MW-124, and MW-129) contained concentrations of tentatively identified volatile organic compounds (VOC TICs) that exceed the New Jersey GWQS of 500 µg/L for total interim generic compounds. VOCs were also detected in three (3) other wells (MW-103, MW-118, and MW-127); however, these VOC concentrations did not exceed their respective New Jersey GWQS.

As previously discussed in Section 3.7.3, due to the fact that benzene, a petroleum compound, was detected in groundwater at a concentration greater than the NJDEP VIGWSL in a well located within thirty (30) ft of a building, a vapor intrusion investigation must be performed.

4.4.2 SVOCs

Analytical results of the 27 June 2009 round of groundwater sampling indicate concentrations of TCL SVOCs exceed one or more New Jersey GWQS in six (6) wells (MW-107, MW-112, MW-114, MW-124, MW-127 and MW-129). The following TCL SVOCs were detected at concentrations greater than the New Jersey GWQS: 2-methylnaphthalene, benzo[a]anthracene, benzo[a]pyrene, naphthalene and n-nitrosodi-n-propylamine. In addition, two (2) wells (MW-124, and MW-129) contained concentrations of tentatively identified semi-volatile organic compounds (SVOC TICs) that exceed the New Jersey GWQS of 500 µg/L for total interim generic compounds. SVOCs were also detected in three (3) other wells (MW-103, MW-105 and MW-118); however, these SVOC concentrations did not exceed their respective New Jersey GWQS.

4.4.3 Metals

Analytical results of the 27 June 2009 round of groundwater sampling indicate concentrations of TAL Metals exceeded one or more New Jersey GWQS in all nine (9) wells. The following TAL Metals were detected at concentrations greater than the New Jersey GWQS: aluminum, antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, iron, lead, manganese, mercury, nickel, sodium, thallium and zinc.

4.5 Technical Overview

In accordance with N.J.A.C. 7:26E-3.13(b)3 the following technical overview is provided to present a general profile of the site investigation execution and results.

4.5.1 Quality Assurance Project Plan

A Quality Assurance Project Plan (QAPP) was prepared in accordance with N.J.A.C. 7:26E-2.2 and was adhered to for the work included in this SI/RIR. The QAPP outlines quality assurance and control procedures for the soil and groundwater samples collected during the investigation at the Site.

Soil sampling activities were conducted in accordance with the August 2005 NJDEP Field Sampling Procedures Manual. TestAmerica Laboratories of Edison, New Jersey (NJDEP Certification No. 12028) analyzed the samples. During the implementation of the Site Investigation/Remedial Investigation activities, appropriate quality assurance/quality control (QA/QC) samples including trip blanks, field blanks and duplicate samples were collected. Duplicate samples were collected at a rate of one (1) duplicate sample for every twenty (20) samples. Trip and field blanks were collected to monitor for contamination of the samples in the field and during transport between the Site and laboratory. A complete copy of the TestAmerica laboratory report including quality assurance/quality control is provided as documents (NJDEP original only).

The laboratory data presented within this report is reliable. A technical overview of the laboratory data was conducted in accordance with N.J.A.C. 7:26E. Specifically, the

conformance/non-conformance summaries provided by the laboratory were reviewed. Preservation and Extraction and Analysis Dates reported by the laboratory were reviewed with respect to compliance with holding times.

Additionally, Minimum Detection Limits (MDLs) of project samples and blanks (trip, field, equipment, preparation and/or method blank samples) were compared to the applicable standards, the Soil Remediation Standards (N.J.A.C. 7:26D) and Groundwater Quality Standards (N.J.A.C. 7:9) in this case, to determine if the MDLs were in conformance with the New Jersey SRS and New Jersey GWQS. Surrogate recoveries and laboratory control samples were also evaluated to ensure analytical precision and accuracy. The laboratory QA/QC packages are provided as separate volumes in the original copy to the NJDEP and in electronic form in the remaining copies of this report.

4.5.2 Reliability of Analytical Data

Soil and groundwater samples were analyzed by TestAmerica (NJDEP Laboratory Certification No. 12028), and Haley & Aldrich conducted a data validation of the analytical results. The data validation indicated that, generally, the data exhibited acceptable levels of accuracy and precision, based on the information reviewed, and may be used as reported with the noted qualifications.

The tentatively identified compounds (TICs) documented in Sections 4.4.1 and 4.4.2 are indicative of the breakdown products of petroleum compounds. As such, the presence of these TICs in groundwater samples do not affect the method of investigation or remediation at the Site.

The laboratory summary sheets, the electronic data deliverables diskette in NJDEP-required format (NJDEP copy only), and a printout indicating that the data passed the Electronic Data Submittal Application (EDSA) check are included in Appendix N. The complete copy of the TestAmerica laboratory reports including the quality assurance/quality control data is provided as separate documents (NJDEP copy only).

4.5.3 Summary of the Overall Nature of the Contamination

The contamination at the Site is limited to AOC-1 Historic Fill Material. During the SI/RI, contamination was documented in both soil and the unconfined groundwater aquifer. Contaminants include VOCs, SVOCs, metals, PCBs, pesticides and TPH. AOC-1 requires remediation in the form of institutional and engineering controls. The presumptive remedy for historic fill material is a cap with a deed notice. Due to the groundwater contamination, a Classification Exception Area is required.

4.5.4 Significant Events or Seasonal Variation

No significant events or seasonal variation was noted with respect to the Site.

5. CONCLUSIONS AND RECOMMENDATIONS

A Site Investigation/Remedial Investigation was performed at the Site in accordance with N.J.A.C. 7:26E. Based upon the results of the investigation, it can be concluded that:

- One (1) AOC is present on the Site: historic fill material.
- Stratigraphic boring logs indicate that historic fill material is present across the entire Site to a depth of approximately 12 to 35 ft bgs.
- Soil and groundwater samples collected during the investigation confirm the presence of VOC, SVOC, metals, pesticides, PCBs and TPH at concentrations in excess of the New Jersey SRS for soil and New Jersey GWQS for groundwater. These compounds are typical of those found in areas of historic fill material.
- Based on the results of the BEE, no further ecological evaluation or testing is necessary for the Site. This conclusion is based on the finding that the co-occurrence of contaminants of ecological concern, environmentally sensitive natural resources and potential contaminant migration pathways do not exist at the Site.

Based upon the above conclusions, it is recommended that:

- The receptor evaluation be completed with respect to the recently received NJDEP well search data.
- The vapor intrusion evaluation be completed at the adjacent Hertz Rent-A-Car facility once access is provided by Hertz.
- The presumptive remedy for soil contamination associated with historic fill material is a cap with a deed notice. Due to the groundwater contamination on the Site, a Classification Exception Area is required. As such, it is recommended that the remedy for AOC-1 include a combination of institutional and engineering controls.
- Proposed redevelopment plans for the Site include the demolition of the existing bridge structure and the construction of a new bridge with public recreation spaces beneath portions of the bridge. It is recommended that the public recreation spaces be capped with a minimum of either 2 ft of clean fill material or 6 in. of concrete or asphalt.
- A Remedial Action Workplan be implemented during construction to guide the contractor in the handling, sampling, analysis and off-site disposal of contaminated soil and/or groundwater which may be encountered during construction activities.

TABLES

TABLE I
SUMMARY TABLE OF ANALYTICAL METHODS & QA INDICATORS - SOIL
14th Street Viaduct Replacement
14th Street from Willow Avenue (Hoboken, New Jersey)
to Manhattan Avenue (Union City, New Jersey)

						Analytical Parameters						
Location ID	Sample ID	Sample Date	Sample Interval (ft. bgs)	Sample Type	Sample Matrix	VOCs+10	BNs+15	PCBs	Pesticides	Metals	TPH	Fingerprint
B-103	B-103:S1	6/15/2009	0-2	Normal	Soil	X	X	X	X	X	X	
B-103	B-103:S6	6/15/2009	10-12	Normal	Soil	X	X	X	X	X	X	
B-104	B-104:S1-S2	6/15/2009	0-2	Normal	Soil	X	X	X	X	X	X	
B-104	B-104:S5	6/15/2009	8-10	Normal	Soil	X	X	X	X	X	X	
B-105	B-105:S1	6/5/2009	0-2	Normal	Soil	X	X	X	X	X	X	
B-105	B-105:S2	6/5/2009	0-2	Duplicate	Soil	X	X	X	X	X	X	
B-105	B-105:S3	6/5/2009	4-6	Normal	Soil	X	X	X	X	X	X	
B-106	B-106:S1	6/30/2009	0-2	Normal	Soil	X	X	X	X	X	X	
B-106	B-106:S3	6/30/2009	4-6	Normal	Soil	X	X	X	X	X	X	
B-107	B-107:S1	6/5/2009	0-2	Normal	Soil	X	X	X	X	X	X	
B-107	B-107:S3	6/5/2009	4-6	Normal	Soil	X	X	X	X	X	X	
B-109	B-109:S1	6/29/2009	0-2	Normal	Soil	X	X	X	X	X	X	
B-109	B-109:S6	6/29/2009	10-12	Normal	Soil	X	X	X	X	X	X	
B-110	B-110:S5	6/18/2009	10-12	Normal	Soil	X	X	X	X	X	X	
B-111	B-111:S1-S2	6/30/2009	1.5-4	Normal	Soil	X	X	X	X	X	X	
B-112	B-112-A1	6/24/2009	0-2	Normal	Soil	X	X	X	X	X	X	
B-112	B-112-S1	6/25/2009	6-8	Normal	Soil	X	X	X	X	X	X	
B-114	B-114M-S1	6/24/2009	0-2	Normal	Soil	X	X	X	X	X	X	
B-114	B-114-S1	6/24/2009	6-8	Normal	Soil	X	X	X	X	X	X	
B-117	B-117:S1	6/16/2009	0-2	Normal	Soil	X	X	X	X	X	X	
B-117	B-117:S3	6/16/2009	4-6	Normal	Soil	X	X	X	X	X	X	
B-118	B-118:S1	6/16/2009	0-2	Normal	Soil	X	X	X	X	X	X	
B-118	B-118:S3	6/16/2009	4-6	Normal	Soil	X	X	X	X	X	X	
B-119	B-119:S1	7/2/2009	1-2	Normal	Soil	X	X	X	X	X	X	
B-119	B-119:S3	7/2/2009	4-6	Normal	Soil	X	X	X	X	X	X	
B-122	B-122:S1	6/5/2009	0-2	Normal	Soil	X	X	X	X	X	X	
B-122	B-122:S3	6/5/2009	4-6	Normal	Soil	X	X	X	X	X	X	
B-123	B-123:S2	6/10/2009	2-4	Normal	Soil	X	X	X	X	X	X	
B-123	B-123:S4	6/10/2009	6-8	Normal	Soil	X	X	X	X	X	X	
B-123	B-123:S17	6/10/2009	65-67	Normal	Soil	X	X	X	X	X	X	X
B-124	MW-124:S1	7/7/2009	0.5-2	Normal	Soil	X	X	X	X	X	X	
B-124	MW-124:S5	7/7/2009	8-10	Normal	Soil	X	X	X	X	X	X	
B-125	B-125:S1	7/2/2009	0-2	Normal	Soil	X	X	X	X	X	X	
B-125	B-125:S5	7/2/2009	8-12	Normal	Soil	X	X	X	X	X	X	
B-126	B-126-A1	6/25/2009	0-2	Normal	Soil	X	X	X	X	X	X	
B-126	B-126-S1	6/25/2009	6-8	Normal	Soil	X	X	X	X	X	X	
B-127	B-127:A1	6/22/2009	0-2	Normal	Soil	X	X	X	X	X	X	
B-127	FD06220902	6/22/2009	0-2	Duplicate	Soil	X	X	X	X	X	X	
B-127	B-127:A3	6/22/2009	4-6	Normal	Soil	X	X	X	X	X	X	
B-128	B-128:A1	6/22/2009	0-2	Normal	Soil	X	X	X	X	X	X	
B-128	B-128:A3	6/22/2009	4-6	Normal	Soil	X	X	X	X	X	X	
B-128	FD06220901	6/22/2009	4-6	Duplicate	Soil	X	X	X	X	X	X	
B-129	B-129MW:S1	6/23/2009	0-2	Normal	Soil	X	X	X	X	X	X	
B-129	B-129MW:S5	6/23/2009	8-10	Normal	Soil	X	X	X	X	X	X	
EB-1	EB-1:S1	6/18/2009	0-2	Normal	Soil	X	X	X	X	X	X	
EB-1	EB-1:S4	6/18/2009	6-8	Normal	Soil	X	X	X	X	X	X	
EB-2	EB-2:S1	6/17/2009	0-2	Normal	Soil	X	X	X	X	X	X	
EB-2	EB-2:S1A	6/17/2009	0-2	Duplicate	Soil	X	X	X	X	X	X	
EB-2	EB-2:S7	6/18/2009	12-14	Normal	Soil	X	X	X	X	X	X	
EB-4	EB-4:S1	7/2/2009	0.5-2	Normal	Soil	X	X	X	X	X	X	
EB-4	EB-4:S3	7/2/2009	4-6	Normal	Soil	X	X	X	X	X	X	
FB	FB#1(FieldBlank)	6/10/2009		Field Blank	Soil QA/QC	X						
FB	FB#2(FieldBlank)	6/17/2009		Field Blank	Soil QA/QC	X						
FB	FB#3(FieldBlank)	6/25/2009		Field Blank	Soil QA/QC	X						
					Total Number of Samples	54	51	51	51	51	51	1

Analytical Methods:

VOCs+10 - USEPA Method SW8260B
BNs+15 - USEPA Method SW8270C
PCBs - USEPA Method SW8082
Pesticides - USEPA Method SW8081A
Metals - USEPA Methods SW6010 & SW7471A
TPH - NJDEP OQA-QAM-025
Fingerprint - USEPA Method 8015B - Qualitative

TABLE II
MONITORING WELL CONSTRUCTION SUMMARY
14th Street Viaduct Replacement
14th Street from Willow Avenue (Hoboken, New Jersey)
to Manhattan Avenue (Union City, New Jersey)

Well ID	NJDEP Well Permit Number	NJ State Plane Coordinates (NAD 1983)		Installation Date	Casing Diameter (inches)	Casing Material	Top of Casing Elevation (feet above mean sea level)	Ground Elevation (feet above mean sea level)	Distance From Top of Casing to Ground surface (feet)	Depth to Top of PVC Screen (feet bgs)	PVC Screen Length (feet)	Total Depth (feet bgs)
		Northing	Easting									
MW-103	P2009055867	700257	621013	6/16/2009	2	PVC	7.00	4.25	2.75	5.35	10	15.35
MW-105	P2009055868	700181	621337	6/15/2009	2	PVC	3.53	3.86	0.33	5.17	10	15.17
MW-107	P2009055869	700104	621588	7/6/2009	2	PVC	5.04	5.29	0.25	3.20	10	13.20
MW-112	P2009055870	700002	622131	6/29/2009	2	PVC	4.70	4.87	0.17	2.55	10	12.55
MW-114	P2009055871	699957	622343	6/25/2009	2	PVC	6.63	7.05	0.42	3.00	10	13.00
MW-118	P2009055872	700149	621174	6/24/2009	2	PVC	4.13	4.38	0.25	2.50	10	12.50
MW-124	P2009055873	699991	621947	7/7/2009	2	PVC	5.75	NM	NM	2.95	10	12.95
MW-127	P2009055874	699921	622190	6/23/2009	2	PVC	5.14	5.39	0.25	3.33	10	13.33
MW-129	P2009055875	699877	622371	6/23/2009	2	PVC	7.04	7.54	0.50	3.28	10	13.28

Notes:
NM = Not Measured due to no access at time of survey

TABLE III
GROUNDWATER ELEVATION DATA
14th Street Viaduct Replacement
14th Street from Willow Avenue (Hoboken, New Jersey)
to Manhattan Avenue (Union City, New Jersey)

Well ID	**Geologic Unit**	**Reference Point** TOC Elevation (feet)	27-Jul-2009 Groundwater		28-May-2010 Groundwater	
			Depth	Elevation	Depth	Elevation
MW-103	Overburden	7.00	6.61	0.39	6.81	0.19
MW-105	Overburden	3.53	3.12	0.41	3.45	0.08
MW-107	Overburden	5.04	4.60	0.44	5.01	0.03
MW-112	Overburden	4.70	4.45	0.25	4.28	0.42
MW-114	Overburden	6.63	6.26	0.37	6.29	0.34
MW-118	Overburden	4.13	3.51	0.62	3.92	0.21
MW-124	Overburden	5.75	5.33	0.42	5.47	0.28
MW-127	Overburden	5.14	3.60	1.54	3.94	1.20
MW-129	Overburden	7.04	4.90	2.14	5.47	1.57

TABLE IV
SUMMARY TABLE OF ANALYTICAL METHODS & QA INDICATORS - GROUNDWATER
14th Street Viaduct Replacement
14th Street from Willow Avenue (Hoboken, New Jersey)
to Manhattan Avenue (Union City, New Jersey)

Location ID	Sample ID	Sample Date	Sample Type	Sample Matrix	Analytical Parameters			
					VOCs+10	BNs+15	Pesticides	Metals
MW-103	MW-103-072709	7/27/2009	Normal	Groundwater	X	X	X	X
MW-105	MW-105-072709	7/27/2009	Normal	Groundwater	X	X		X
MW-107	MW-107-072709	7/27/2009	Normal	Groundwater	X	X		X
MW-112	MW-112-072709	7/27/2009	Normal	Groundwater	X	X		X
MW-114	MW-114-072709	7/27/2009	Normal	Groundwater	X	X		X
MW-118	MW-118-072709	7/27/2009	Normal	Groundwater	X	X	X	X
MW-124	MW-124-072709	7/27/2009	Normal	Groundwater	X	X		X
MW-127	MW-127-072709	7/27/2009	Normal	Groundwater	X	X		X
MW-129	MW-129-072709	7/27/2009	Normal	Groundwater	X	X		X
FB	FB072709	7/27/2009	Field Blank	Groundwater QA/QC	X			
TB	TB072709	7/27/2009	Trip Blank	Groundwater QA/QC	X			
				Total Number of Samples	11	9	2	9

Analytical Methods:

VOCs+10 - USEPA Method E624
BNs+15 - USEPA Methods E625 & SW8270 SIM
Pesticides - USEPA Method SW8081A
Metals - USEPA Methods E200.8 & SW7470

TABLE V
SUMMARY OF WELL SEARCH DATA
14th Street Viaduct Replacement
14th Street from Willow Avenue (Hoboken, New Jersey)
to Manhattan Avenue (Union City, New Jersey)

Well ID#	OWNER	LOCATION	OWNERS WELL #	LOT	BLOCK	COORDINATE NUMBER	INSTALLATION DATE[1]	PERMIT/ APPLICATION #	TOTAL DEPTH[1]	CASING TYPE	LENGTH OF CASING	METHOD OF DRILLING	USE OF WELL	DIAMETER	CAPACITY[1]	STATIC WATER ELEVATION	USE CODE	COMMENTS	TYPE OF DOCUMENTATION	SOURCE OF INFORMATION
1	Jason Corporation	457 11th Street, Hoboken, NJ				26.13.9.6.6	4/24/1951	26-270	200 ft			Drop drill	Processing	8"	70 GPM		Industrial		Well Permit	Well records search of the NJDEP Bureau of Water Allocation
2	Sweets Co. of America	Willow Avenue & 15th Street, Hoboken, NJ	1			26.14.7.4.2	10/6/1955	26-1246	400 ft	Wrought Iron	353	Cable tool	Processing and cooling	10"	105 GPM	8' 1"	Industrial		Well Record	Well records search of the NJDEP Bureau of Water Allocation
3	Sweets Co. of America	Willow Avenue & 15th Street, Hoboken, NJ	2			26.14.7.1.7	11/30/1955	26-1323	300 ft			Rotary	Processing and cooling	12"	150 GPM		Industrial		Well Permit	Well records search of the NJDEP Bureau of Water Allocation
4	Speedwash Inc.	JFK Boulevard & 21st Street, Union City, NJ	1	1	106	26.13.9.3.4	6/15/1995	2640499	430 ft	NA	NA	Rotary	Withdrawal	6"	NA	Dry	Industrial	Well was never constructed	Well Record	Well records search of the NJDEP Bureau of Water Allocation

Notes:
1 - Refer to the type of documentation to determine whether data is proposed (well permit) or actual (well record)
NA - Not applicable

TABLE VI
GROUNDWATER TO INDOOR AIR VAPOR INTRUSION EVALUATION
14th Street Viaduct Replacement
14th Street from Willow Avenue (Hoboken, New Jersey)
to Manhattan Avenue (Union City, New Jersey)

Location	NJDEP	MW-103	MW-105	MW-107	MW-112	MW-114	MW-118
Sample ID	Groundwater to	MW-103-072709	MW-105-072709	MW-107-072709	MW-112-072709	MW-114-072709	MW-118-072709
Lab Sample ID	Indoor Air	460-4158-1	460-4158-2	460-4158-4	460-4158-9	460-4158-8	460-4158-3
Sample Date	Screening Levels	7/27/2009	7/27/2009	7/27/2009	7/27/2009	7/27/2009	7/27/2009
Unit	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
VOCs							
BENZENE	15.	--	--	**1.8**	**82.**	**35.**	--
BROMODICHLOROMETHANE	5.	--	--	--	--	--	--
CHLOROBENZENE	770.	--	--	--	**0.35 J**	--	--
CHLOROFORM	6.	--	--	**0.22 J**	--	--	**0.64 J**
ETHYLBENZENE	61,000.	--	--	**3.6**	**1.2**	**7.4**	--
METHYLENE CHLORIDE	53.	**0.62 J**	--	--	--	--	--
TOLUENE	24,000.	--	--	**3.7**	**0.95 J**	**0.42 J**	--
XYLENE (TOTAL)	7,000.	--	--	**1.4 J**	**3.4**	**7.2**	--
TOTAL TARGETED VOCs		**0.62**	**---**	**10.72**	**87.9**	**50.02**	**0.64**
TOTAL NON-TARGETED VOCs (TICs)		**---**	**---**	**688.**	**340.6**	**339.**	**---**
TOTAL CONCENTRATION OF VOCs		**0.62**	**---**	**698.72**	**428.5**	**389.02**	**0.64**

Location	NJDEP	MW-124	MW-127	MW-129
Sample ID	Groundwater to	MW-124-072709	MW-127-072709	MW-129-072709
Lab Sample ID	Indoor Air	460-4158-5	460-4158-6	460-4158-7
Sample Date	Screening Levels	7/27/2009	7/27/2009	7/27/2009
Unit	ug/l	ug/l	ug/l	ug/l
VOCs				
BENZENE	15.	**37.**	**0.89 J**	**39.**
BROMODICHLOROMETHANE	5.	--	**0.41 J**	--
CHLOROBENZENE	770.	--	--	--
CHLOROFORM	6.	**0.25 J**	**3.**	**0.37 J**
ETHYLBENZENE	61,000.	**12.**	--	**110.**
METHYLENE CHLORIDE	53.	--	--	--
TOLUENE	24,000.	**0.77 J**	--	**2.5**
XYLENE (TOTAL)	7,000.	**3.2**	--	**69.**
TOTAL TARGETED VOCs		**53.22**	**4.3**	**220.87**
TOTAL NON-TARGETED VOCs (TICs)		**1,362.**	**36.**	**4,210.**
TOTAL CONCENTRATION OF VOCs		**1,415.22**	**40.3**	**4,430.87**

NOTES:
ug/l Micrograms per liter
VOCs Volatile Organic Compounds
TICs Tentatively Identified Compounds
82. Exceedance of applicable criteria
-- Not detected above the Method Detection Limit.
J Estimated value

TABLE VII
ANALYTICAL RESULTS OF SOIL SAMPLING
14th Street Viaduct Replacement
14th Street from Willow Avenue (Hoboken, New Jersey)
to Manhattan Avenue (Union City, New Jersey)

Location	New Jersey	New Jersey	NJDEP	B-103	B-103	B-104	B-104	B-105	B-105	B-105	B-106	B-106	B-107	B-107	B-109	B-109	B-110	B-111	B-112	B-112	B-114
Sample ID	Residential	Non-Residential	Default Impact	B-103:S1	B-103:S6	B-104:S1-S2	B-104:S5	B-105:S1	B-105:S2	B-105:S3	B-106:S1	B-106:S3	B-107:S1	B-107:S3	B-109:S1	B-109:S6	B-110:S5	B-111:S1-S2	B-112-A1	B-112-S1	B-114-S1
Lab Sample ID	Direct Contact	Direct Contact	to Groundwater	460-2849-1	460-2849-2	460-2849-3	460-2849-4	460-2512-1	460-2512-2	460-2512-3	460-3297-3	460-3297-4	460-2512-4	460-2512-5	460-3297-1	460-3297-2	460-2953-6	460-3297-5	460-3167-3	460-3167-4	460-3167-2
Sample Date	Soil Remediation	Soil Remediation	Soil Remediation	6/15/2009	6/15/2009	6/15/2009	6/15/2009	6/5/2009	6/5/2009	6/5/2009	6/30/2009	6/30/2009	6/5/2009	6/5/2009	6/29/2009	6/29/2009	6/18/2009	6/30/2009	6/24/2009	6/25/2009	6/24/2009
Sample Depth	Standards	Standards	Standards	0 to 2	10 to 12	0 to 4	8 to 10	0 to 2	0 to 2	4 to 6	0 to 2	4 to 6	0 to 2	4 to 6	0 to 2	10 to 12	10 to 12	1.5 to 4	0 to 2	6 to 8	6 to 8
Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
VOCs																					
ACETONE	70,000.	NC	12.	--	0.22	--	--	--	--	--	0.2	--	--	--	--	0.1	--	--	--	0.013 J	--
BENZENE	2.	5.	0.005	--	--	--	--	--	--	0.005	0.001	0.001	--	--	--	--	0.11 J	--	--	0.003	0.001
CARBON DISULFIDE	7,800.	110,000.	4.	--	0.002	--	0.002	--	--	0.001	0.003	0.003	--	--	--	0.006	--	--	--	0.00062 J	--
CHLOROBENZENE	510.	7,400.	0.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CHLOROFORM	0.6	2.	0.2	--	--	--	--	--	--	--	--	--	--	--	0.00063 J	0.002	--	0.00093 J	--	--	--
CIS-1,2-DICHLOROETHENE	230.	560.	0.2	--	--	--	--	--	--	--	0.00076 J	--	--	--	--	--	--	--	--	--	--
ETHYLBENZENE	7,800.	110,000.	8.	--	--	--	--	--	--	--	0.00089 J	--	--	--	--	--	0.076 J	--	--	0.002	0.00024 J
METHYL ETHYL KETONE	3,100.	44,000.	0.6	--	0.054	--	--	--	--	--	0.021	--	--	--	--	0.0077 J	--	--	--	--	--
STYRENE	90.	260.	2.	--	--	--	--	--	--	--	--	--	--	--	--	0.0011 J	--	--	--	--	--
TETRACHLOROETHENE	2.	5.	0.005	--	--	--	--	0.00061 J	0.00085 J	--	--	--	--	--	--	--	--	--	--	--	--
TOLUENE	6,300.	91,000.	4.	--	--	--	--	--	--	0.002	--	--	--	--	--	0.002	0.083 J	--	--	0.002	0.00042 J
TRICHLOROETHENE	7.	20.	0.007	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VINYL CHLORIDE	0.7	2.	0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
XYLENE (TOTAL)	12,000.	170,000.	12.	--	--	--	--	--	--	--	0.003	--	--	--	--	0.0017 J	0.25 J	--	--	0.003	0.0012 J
TOTAL TARGETED VOCs				---	0.276	---	0.002	0.001	0.001	0.008	0.23	0.004	---	---	0.001	0.12	0.519	0.001	---	0.023	0.003
TOTAL NON-TARGETED VOCs (TICs)				---	0.007	---	---	---	---	---	0.41	---	---	---	---	1.8	10.08	---	---	0.47	---
TOTAL CONCENTRATION OF VOCs				---	0.283	---	0.002	0.001	0.001	0.008	0.64	0.004	---	---	0.001	1.92	10.599	0.001	---	0.493	0.003
SVOCs																					
2-METHYLNAPHTHALENE	230.	2,400.	5.	--	--	--	--	0.13 J	0.25 J	--	--	--	0.098 J	0.092 J	0.088 J	--	--	--	--	1.5	6.3
ACENAPHTHENE	3,400.	37,000.	74.	--	--	0.59 J	--	0.59 J	1.1	--	--	--	0.15 J	0.25 J	0.38 J	--	13.	--	--	12.	12.
ACENAPHTHYLENE	NC	300,000.	NC	0.29 J	--	0.13 J	--	--	--	--	--	--	0.069 J	--	0.69	0.086 J	3.	--	0.12 J	6.6	0.86 J
ANTHRACENE	17,000.	30,000.	1,500.	0.14 J	--	3.1	--	1.	1.6	0.075 J	--	0.077 J	0.71	0.24 J	2.7	0.18 J	9.2	--	--	6.4	17.
BENZO(A)ANTHRACENE	0.6	2.	0.5	0.55	0.14	5.4	0.069	3.3	5.	0.19	0.097	0.21	2.1	0.25	2.1	0.24	3.8	0.037 J	0.23	5.6	27.
BENZO(A)PYRENE	0.2	0.2	0.2	0.57	0.19	3.4	0.057	3.1	4.3	0.17	0.13	0.24	1.9	0.2	2.	0.27	2.3	0.028 J	0.4	8.	25.
BENZO(B)FLUORANTHENE	0.6	2.	2.	0.83	0.17	3.4	0.045 J	3.3	5.2	0.19	0.17	0.28	1.8	0.17	0.63	0.15	0.77	0.031 J	0.43	6.7	26.
BENZO(G,H,I)PERYLENE	380,000.	30,000.	NC	0.13 J	0.1 J	0.87	--	0.78	0.93	0.088 J	0.12 J	0.16 J	0.69	0.13 J	0.53	0.095 J	0.53 J	--	0.28 J	4.2	12.
BENZO(K)FLUORANTHENE	6.	23.	16.	0.71	0.14	4.1	0.051	4.1	5.	0.14	0.042	0.11	1.7	0.15	1.6	0.23	1.2	0.015 J	0.17	2.6	12.
BIS(2-ETHYLHEXYL)PHTHALATE	35.	140.	790.	1.3	--	0.19 J	0.12 J	5.3	7.2	0.095 J	0.3 J	0.088 J	--	--	--	0.35 J	--	--	0.087 J	--	--
BUTYL BENZYL PHTHALATE	1,200.	14,000.	150.	0.2 J	0.61	--	0.16 J	0.29 J	0.18 J	--	--	--	--	--	--	0.16 J	--	--	--	--	--
CARBAZOLE	24.	96.	NC	--	--	0.95	--	0.6 J	0.99	--	--	--	0.18 J	--	--	--	--	--	--	0.43 J	5.2
CHRYSENE	62.	230.	52.	0.56	0.14 J	4.5	0.071 J	3.8	5.6	0.26 J	0.11 J	0.24 J	2.3	0.31 J	2.1	0.25 J	3.4	--	0.27 J	5.9	29.
DIBENZO(A,H)ANTHRACENE	0.2	0.2	0.5	--	--	--	--	0.38	0.41	--	0.0093 J	0.036 J	0.31	--	--	--	--	--	0.055	1.3	2.9
DIBENZOFURAN	NC	NC	NC	--	--	0.4 J	--	0.27 J	0.57 J	--	--	--	0.17 J	0.06 J	--	--	--	--	--	0.95	6.9
DI-N-OCTYL PHTHALATE	2,400.	27,000.	3,300.	--	--	--	--	2.3	2.6	--	--	--	--	--	--	--	--	--	--	--	--
FLUORANTHENE	2,300.	24,000.	840.	0.79	0.14 J	14.	0.15 J	7.9	13.	0.35 J	0.15 J	0.38 J	5.	0.73	5.2	0.55	7.2	--	0.42	8.1	70.
FLUORENE	2,300.	24,000.	110.	--	--	1.	--	0.44 J	0.87	--	--	--	0.18 J	0.19 J	0.67	--	6.4	--	--	6.9	13.
INDENO(1,2,3-CD)PYRENE	0.6	2.	5.	0.16	0.094	0.99	0.031 J	0.86	1.	0.081	0.12	0.16	0.67	0.1	0.53	0.079	0.49	0.013 J	0.26	4.6	12.
NAPHTHALENE	6.	17.	16.	--	0.31 J	--	--	0.24 J	0.56 J	--	--	--	0.15 J	0.59	0.15 J	--	--	--	--	1.8	9.2
PHENANTHRENE	NC	300,000.	NC	0.33 J	--	12.	0.11 J	5.6 J	11.	0.28 J	0.11 J	0.27 J	3.3	0.96	7.7	0.65	32.	--	0.15 J	16.	96.
PYRENE	1,700.	18,000.	550.	1.	0.16 J	10.	0.13 J	7.7	11.	0.3 J	0.21 J	0.45	4.3	0.68	6.5	0.68	13.	--	0.42	11.	69.
TOTAL TARGETED SVOCs				7.56	2.194	65.02	0.994	51.98	78.36	2.219	1.568	2.701	25.777	5.102	33.568	3.97	96.29	0.124	3.292	110.58	451.36
TOTAL NON-TARGETED SVOCs (TICs)				4.97	15.23	18.62	1.04	18.94	25.4	---	0.75	1.37	6.48	---	17.41	---	103.4	---	0.29	92.3	157.8
TOTAL CONCENTRATION OF SVOCs				12.53	17.424	83.64	2.034	70.92	103.76	2.219	2.318	4.071	32.257	5.102	50.978	3.97	199.69	0.124	3.582	202.88	609.16
PCBs																					
AROCLOR 1242	0.2	1.	0.2	0.097	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AROCLOR 1254	0.2	1.	0.2	--	--	--	--	0.62	0.41 J	--	0.34 J	0.041 J	--	--	--	0.19	--	--	--	--	--
AROCLOR 1260	0.2	1.	0.2	0.052 J	--	--	--	0.4	0.31 J	--	--	--	--	--	--	0.19	--	--	0.046 J	--	--
TOTAL CONCENTRATION OF PCBs	0.2	1.	0.2	0.149	---	---	---	1.02	0.72	---	0.34	0.041	---	---	---	0.38	---	---	0.046	---	---
PESTICIDES																					
4,4-DDD	3.	13.	3.	0.0075 J	--	0.027	0.024	0.046	0.05	0.0048 J	0.078 J	0.0029 J	0.0019 J	--	--	0.0067 J	--	--	--	0.0091 J	0.0025 J
4,4-DDE	2.	9.	12.	0.0068 J	--	0.01	0.0029 J	0.008	0.0077 J	--	0.02 J	--	--	--	--	0.0055 J	--	--	--	--	--
4,4-DDT	2.	8.	7.	--	--	0.013	0.0098 J	0.026	0.038	0.0037 J	0.029 J	0.0035 J	--	--	0.0067 J	0.031 J	0.018	0.0018 J	0.0026 J	0.012 J	--
ALDRIN	0.04	0.2	0.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ALPHA-BHC	0.1	0.5	0.002	--	--	0.02	--	0.0049 J	0.0073 J	--	--	--	--	--	--	--	--	--	--	0.023 J	--
BETA-BHC	0.4	2.	0.002	--	--	--	--	0.002 J	0.0017 J	--	--	--	0.0021 J	--	--	--	0.0038 J	--	--	--	--
DELTA-BHC	NC	NC	NC	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0021 J	--	--	0.0015 J	--
DIELDRIN	0.04	0.2	0.003	0.035	--	0.0061 J	0.0022 J	0.019	0.021	0.0018 J	0.0033 J	0.0025 J	--	--	0.0027 J	0.0086 J	--	--	--	0.0032 J	--
ENDOSULFAN I	NC	NC	2.	--	--	0.016	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ENDOSULFAN II	NC	NC	2.	--	--	--	--	--	--	--	0.024 J	--	0.0019 J	--	0.0016 J	--	0.0014 J	0.0023 J	--	0.0071 J	--
ENDOSULFAN SULFATE	470.	6,800.	1.	--	--	0.0028 J	0.0014 J	0.04	0.0056 J	0.011	0.01 J	0.0014 J	0.011	--	0.0047 J	0.0024 J	0.0028 J	--	--	0.0031 J	0.009
ENDRIN	23.	340.	0.6	0.005 J	--	0.0015 J	--	0.0036 J	0.0036 J	--	0.0033 J	--	0.0018 J	--	0.0014 J	0.0025 J	--	0.0018 J	--	--	--
ENDRIN ALDEHYDE	NC	NC	NC	0.0026 J	0.08	0.015	0.0053 J	0.0031 J	0.03	0.025	0.059 J	0.009	0.0035 J	0.0057 J	--	0.0077 J	0.0082 J	0.0058 J	--	0.0064 J	--
ENDRIN KETONE	NC	NC	NC	--	--	--	0.0015 J	0.011	0.014	0.0028 J	0.021 J	0.0013 J	0.0076 J	--	0.0071 J	--	0.005 J	0.0052 J	--	0.0039 J	0.0039 J
GAMMA-BHC (LINDANE)	0.4	2.	0.002	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
HEPTACHLOR	0.1	0.7	0.3	--	--	--	--	0.0022 J	0.0041 J	0.0037 J	--	--	--	--	--	--	--	--	--	--	--
HEPTACHLOR EPOXIDE	0.07	0.3	0.009	--	--	--	--	0.011	0.0048 J	--	--	--	--	--	--	--	--	--	--	--	--
METHOXYCHLOR	390.	5,700.	100.	--	0.0038 J	--	0.0018 J	0.011	0.009	0.0014 J	0.21 J	0.0049 J	0.011	--	--	0.013 J	0.014	--	--	0.0046 J	--

TABLE VII
ANALYTICAL RESULTS OF SOIL SAMPLING
14th Street Viaduct Replacement
14th Street from Willow Avenue (Hoboken, New Jersey)
to Manhattan Avenue (Union City, New Jersey)

Location	New Jersey	New Jersey	NJDEP	B-103	B-103	B-104	B-104	B-105	B-105	B-105	B-106	B-106	B-107	B-107	B-109	B-109	B-110	B-111	B-112	B-112	B-114
Sample ID	Residential	Non-Residential	Default Impact	B-103:S1	B-103:S6	B-104:S1-S2	B-104:S5	B-105:S1	B-105:S2	B-105:S3	B-106:S1	B-106:S3	B-107:S1	B-107:S3	B-109:S1	B-109:S6	B-110:S5	B-111:S1-S2	B-112-A1	B-112-S1	B-114-S1
Lab Sample ID	Direct Contact	Direct Contact	to Groundwater	460-2849-1	460-2849-2	460-2849-3	460-2849-4	460-2512-1	460-2512-2	460-2512-3	460-3297-3	460-3297-4	460-2512-4	460-2512-5	460-3297-1	460-3297-2	460-2953-6	460-3297-5	460-3167-3	460-3167-4	460-3167-2
Sample Date	Soil Remediation	Soil Remediation	Soil Remediation	6/15/2009	6/15/2009	6/15/2009	6/15/2009	6/5/2009	6/5/2009	6/5/2009	6/30/2009	6/30/2009	6/5/2009	6/5/2009	6/29/2009	6/29/2009	6/18/2009	6/30/2009	6/24/2009	6/25/2009	6/24/2009
Sample Depth	Standards	Standards	Standards	0 to 2	10 to 12	0 to 4	8 to 10	0 to 2	0 to 2	4 to 6	0 to 2	4 to 6	0 to 2	4 to 6	0 to 2	10 to 12	10 to 12	1.5 to 4	0 to 2	6 to 8	6 to 8
Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
METALS																					
ALUMINUM	78,000.	NC	3,900.	8,840.	17,800.	4,880.	9,100.	23,900.	19,600.	7,630.	11,100.	6,120.	2,290.	22,700.	2,070.	6,650.	4,530.	1,580.	3,640.	6,010.	3,240.
ANTIMONY	31.	450.	6.	--	--	--	1.8 J	6.5	5.7 J	1.8 J	--	--	1.5 J	--	2.8	--	--	--	--	--	--
ARSENIC	19.	19.	19.	7.4	7.7	9.5	10.2	2.3 J	7.7	13.	6.9	7.8	12.5	4.5	6.9	17.8	8.2	4.6	2.2	4.3	5.4
BARIUM	16,000.	59,000.	1,300.	134.	74.4	177.	406.	932 J	787 J	813 J	344.	151.	170 J	158 J	65.2	129.	22.1 J	97.	45.2	91.4	56.7
BERYLLIUM	16.	140.	0.5	1.5	0.53 J	0.95	0.83	32.6	28.4	5.9	9.2	3.1	0.41 J	1.4	--	0.55 J	--	--	0.2 J	0.45 J	0.33 J
CADMIUM	78.	78.	1.	0.41 J	--	0.3 J	--	--	--	--	1.4	0.51 J	0.37 J	--	0.43 J	1.7	--	--	--	--	--
CALCIUM	NC	NC	NC	6,860.	15,000.	45,000.	14,100.	34,300.	29,200.	10,600.	18,000.	11,700.	4,050.	8,210.	3,690.	34,100.	2,560.	21,400.	28,500.	8,440.	3,140.
CHROMIUM	NC	NC	NC	43.7	32.2	26.6	32.1	694.	655.	148.	183.	61.	11.5	22.8	11.3	28.9	12.7	20.2	10.9	14.3	8.6
COBALT	1,600.	590.	59.	10.5 J	6.1 J	6.6 J	11.3 J	301.	200.	69.2	91.5	26.5	6.2 J	7 J	2.5 J	6.5 J	6.5 J	2.9 J	3.8 J	5.4 J	3.9 J
COPPER	3,100.	45,000.	7,300.	160.	29.2	145.	102.	4,570.	3,450.	1,280.	1,280.	385.	107.	27.7	101.	108.	243.	44.9	46.9	42.	29.6
IRON	NC	NC	NC	22,200.	22,000.	18,400.	26,100.	137,000.	130,000.	40,300.	51,600.	24,400.	23,900.	15,800.	5,720.	24,600.	12,600.	11,800.	8,950.	13,300.	7,070.
LEAD	400.	800.	59.	602.	85.5	698.	668.	4,040.	3,030.	715.	1,040.	360.	383.	61.1	215.	666.	200.	143.	222.	209.	430.
MAGNESIUM	NC	NC	NC	3,290.	5,500.	16,900.	3,080.	6,940.	6,340.	2,570.	4,030.	2,490.	1,330.	4,100.	1020 J	10,000.	1,350.	7,270.	9,060.	2,600.	1,350.
MANGANESE	11,000.	5,900.	42.	340.	190.	208.	162.	1240 J	1080 J	321 J	510.	258.	160 J	206 J	79.6	254.	61.6	127.	167.	176.	96.5
MERCURY	23.	65.	0.1	0.89	0.2	0.96	0.97	0.69	0.66	0.82	0.58	0.27	2.6	0.12	1.2	0.34	0.87	0.44	0.21	0.65	1.5
NICKEL	1,600.	23,000.	31.	51.9	19.8	40.7	27.	2,310.	1,500.	387.	526.	169.	34.9	15.8	7.7 J	29.8	16.6	34.6	14.9	13.6	10.3
POTASSIUM	NC	NC	NC	913 J	1480 J	561 J	1,860.	1,180.	947 J	454 J	873 J	642 J	359 J	4,180.	332 J	606 J	763 J	384 J	597 J	600 J	329 J
SELENIUM	390.	5,700.	7.	--	1.6 J	--	--	12.2	9.9	4.4	2.8	2.6	1.3 J	--	--	--	--	--	--	2.3 J	1.8 J
SILVER	390.	5,700.	1.	0.18 J	--	0.24 J	--	3.6	2.6	0.62 J	0.8 J	0.39 J	0.3 J	--	0.36 J	0.35 J	--	0.31 J	0.94 J	0.81 J	1.7 J
SODIUM	NC	NC	NC	828 J	886 J	272 J	836 J	2,140.	1,720.	869 J	1,530.	1190 J	630 J	1,620.	564 J	709 J	981 J	561 J	--	--	--
VANADIUM	78.	1,100.	NC	136.	43.	21.3	30.8	55.4	59.	40.7	40.7	22.5	14.	28.3	7.6 J	24.7	16.8	9.1 J	12.9	19.6	12.7
ZINC	23,000.	110,000.	600.	530.	76.2	414.	330.	12,800.	9,590.	2,430.	3,750.	1,100.	499.	124.	265.	372.	104.	47.	110.	115.	85.3
TPH																					
TOTAL PETROLEUM HYDROCARBONS	10,000.	10,000.	NC	32.	20.	55.	--	1,100.	1,600.	210.	710.	150.	330.	40.	73.	120.	710.	12.	36.	140.	--

NOTES:
Soil results were compared to New Jersey Residential and Non-Residential Direct Contact Soil Remediation Standards (SRS),
as published in N.J.A.C. 7:26D, and NJDEP Default Impact to Groundwater Soil Screening Levels (IGWSSLs) using
the Soil Water Partition Equation.

mg/kg	Milligrams per kilogram
VOCs	Volatile Organic Compounds
SVOCs	Semivolatile Organic Compounds
TICs	Tentatively Identified Compounds
PCBs	Polychlorinated biphenyls
TPH	Total Petroleum Hydrocarbons
NC	No standard or criteria
620.	Exceedance of applicable standard or criteria
--	Not detected above the Method Detection Limit.
J	Estimated value

TABLE VII
ANALYTICAL RESULTS OF SOIL SAMPLING
14th Street Viaduct Replacement
14th Street from Willow Avenue (Hoboken, New Jersey)
to Manhattan Avenue (Union City, New Jersey)

Location	New Jersey	New Jersey	NJDEP	B-117	B-117	B-118	B-118	B-119	B-119	B-122	B-122	B-123	B-123	B-123	B-125	B-125	B-126	B-126	B-127	B-127	B-127
Sample ID	Residential	Non-Residential	Default Impact	B-117:S1	B-117:S3	B-118:S1	B-118:S3	B-119:S1	B-119:S3	B-122:S1	B-122:S3	B-123:S2	B-123:S4	B-123:S17	B-125:S1	B-125:S5	B-126-A1	B-126-S1	B-127:A1	FD06220902	B-127:A3
Lab Sample ID	Direct Contact	Direct Contact	to Groundwater	460-2889-1	460-2889-2	460-2889-3	460-2889-4	460-3434-1	460-3434-2	460-2512-6	460-2512-7	460-2676-1	460-2676-2	460-2676-3	460-3434-3	460-3434-4	460-3167-6	460-3167-7	460-3072-3	460-3072-6	460-3072-4
Sample Date	Soil Remediation	Soil Remediation	Soil Remediation	6/16/2009	6/16/2009	6/16/2009	6/16/2009	7/2/2009	7/2/2009	6/5/2009	6/5/2009	6/10/2009	6/10/2009	6/10/2009	7/2/2009	7/2/2009	6/25/2009	6/25/2009	6/22/2009	6/22/2009	6/22/2009
Sample Depth	Standards	Standards	Standards	0 to 2	4 to 6	0 to 2	4 to 6	1 to 2	4 to 6	0 to 2	4 to 6	2 to 4	6 to 8	65 to 67	0 to 2	8 to 12	0 to 2	6 to 8	0 to 2	0 to 2	4 to 6
Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
VOCs																					
ACETONE	70,000.	NC	12.	0.04	--	--	0.051	--	--	--	--	--	--	--	--	--	--	0.021 J	--	--	--
BENZENE	2.	5.	0.005	0.003	--	--	--	--	0.002	--	--	--	--	0.42	0.002	1.9	--	0.002	--	0.002	0.008
CARBON DISULFIDE	7,800.	110,000.	4.	--	--	--	0.005	0.00073 J	0.001	0.0007 J	0.0014 J	--	--	--	--	--	--	0.00071 J	--	--	0.003
CHLOROBENZENE	510.	7,400.	0.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CHLOROFORM	0.6	2.	0.2	--	--	--	--	0.003	--	--	--	0.00046 J	--	--	0.00071 J	--	0.00087 J	0.00099 J	--	--	--
CIS-1,2-DICHLOROETHENE	230.	560.	0.2	--	--	--	--	--	--	--	--	--	0.00046 J	--	--	--	--	--	--	--	--
ETHYLBENZENE	7,800.	110,000.	8.	--	--	--	--	--	--	--	--	--	--	2.2	--	1.1	--	--	--	--	0.001 J
METHYL ETHYL KETONE	3,100.	44,000.	0.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
STYRENE	90.	260.	2.	--	--	--	--	--	--	--	--	NT	--	--	NT	--	--	--	--	NT	NT
TETRACHLOROETHENE	2.	5.	0.005	0.00076 J	0.001 J	--	--	--	--	--	--	0.17	0.00038 J	--	--	--	--	--	--	--	--
TOLUENE	6,300.	91,000.	4.	0.002	--	--	--	--	--	--	--	--	--	0.21	--	0.54	0.00054 J	0.00044 J	--	0.00045 J	0.002
TRICHLOROETHENE	7.	20.	0.007	--	0.003	--	--	--	--	--	--	0.0011 J	--	--	--	--	--	--	--	--	--
VINYL CHLORIDE	0.7	2.	0.005	--	--	--	--	--	--	--	--	--	0.00087 J	--	--	--	--	--	--	--	--
XYLENE (TOTAL)	12,000.	170,000.	12.	--	--	--	--	--	--	--	--	--	--	4.	--	0.5 J	--	--	--	--	0.0014 J
TOTAL TARGETED VOCs				0.046	0.004	---	0.056	0.003	0.003	0.001	0.001	0.172	0.002	6.83	0.002	4.04	0.001	0.026	---	0.002	0.015
TOTAL NON-TARGETED VOCs (TICs)				0.009	---	---	---	---	0.056	---	---	---	---	41.92	0.009	57.9	---	---	---	---	0.988
TOTAL CONCENTRATION OF VOCs				0.054	0.004	---	0.056	0.003	0.059	0.001	0.001	0.172	0.002	48.75	0.011	61.94	0.001	0.026	---	0.002	1.003
SVOCs																					
2-METHYLNAPHTHALENE	230.	2,400.	5.	--	--	--	0.15 J	--	0.13 J	--	--	0.074 J	--	57.	0.17 J	12.	--	0.29 J	--	--	0.45 J
ACENAPHTHENE	3,400.	37,000.	74.	--	0.074 J	--	1.2	--	0.8 J	0.11 J	--	--	0.85 J	10.	0.091 J	11.	--	1.5	--	--	7.8
ACENAPHTHYLENE	NC	300,000.	NC	--	0.17 J	--	--	--	0.71 J	0.35 J	--	0.94	--	6.2	1.6	2.3	0.075 J	0.3 J	--	0.69	0.93
ANTHRACENE	17,000.	30,000.	1,500.	--	0.29 J	--	2.	--	1.7	0.4 J	0.17 J	0.12 J	2.1	7.2	0.22 J	7.9	0.2 J	2.6	--	0.13 J	1.6
BENZO(A)ANTHRACENE	0.6	2.	0.5	0.11	1.1	0.33	2.9	0.099	4.	1.1 J	0.54	0.24	12.	3.	0.58	6.	0.59	11.	0.02 J	0.41	3.4
BENZO(A)PYRENE	0.2	0.2	0.2	0.13	1.2	0.38	2.6	0.15	5.4	1.	0.55	0.41	22.	1.8	1.3	7.2	0.6	18.	0.018 J	0.55	4.9
BENZO(B)FLUORANTHENE	0.6	2.	2.	0.11	0.84	0.49	2.	0.12	3.3	0.97	0.42	0.28	18.	0.63	0.94	3.	0.72	17.	0.033 J	0.44	3.5
BENZO(G,H,I)PERYLENE	380,000.	30,000.	NC	0.14 J	0.38 J	--	1.2	0.059 J	1.4	0.43 J	0.26 J	0.32 J	3.8	0.58 J	0.5	2.5	0.34 J	9.5	--	0.17 J	1.2
BENZO(K)FLUORANTHENE	6.	23.	16.	0.13	1.1	0.47	2.1	0.13	5.5	0.97	0.43	0.29	19.	1.	1.3	4.8	0.28	7.7	--	0.59	5.3
BIS(2-ETHYLHEXYL)PHTHALATE	35.	140.	790.	--	--	0.43 J	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BUTYL BENZYL PHTHALATE	1,200.	14,000.	150.	--	--	0.55 J	--	--	--	--	--	--	--	--	0.27 J	0.48 J	0.16 J	--	--	--	--
CARBAZOLE	24.	96.	NC	--	0.11 J	--	0.35 J	--	0.18 J	--	--	--	1.2 J	--	--	0.39 J	--	1.1	--	--	0.99
CHRYSENE	62.	230.	52.	0.13 J	1.1	0.37 J	2.9	0.15 J	3.8	1.2 J	0.6	0.29 J	14.	3 J	0.59	5.8	0.59	10.	0.092 J	0.45	3.4
DIBENZO(A,H)ANTHRACENE	0.2	0.2	0.5	--	0.16	--	--	--	--	--	--	--	--	--	0.19	--	0.099	2.9	--	0.072	0.42
DIBENZOFURAN	NC	NC	NC	--	--	--	0.38 J	--	0.25 J	--	--	--	0.37 J	1.2 J	0.06 J	0.92 J	--	0.49 J	--	--	4.6
DI-N-OCTYL PHTHALATE	2,400.	27,000.	3,300.	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
FLUORANTHENE	2,300.	24,000.	840.	0.15 J	1.5	0.48 J	7.9	0.14 J	13.	2.6 J	1.1	0.31 J	13.	4.9	0.54	10.	1.1	11.	--	0.48	6.8
FLUORENE	2,300.	24,000.	110.	--	0.074 J	--	0.86 J	--	0.55 J	0.13 J	--	--	0.51 J	7.2	0.25 J	7.6	--	0.77 J	--	--	4.6
INDENO(1,2,3-CD)PYRENE	0.6	2.	5.	0.11	0.41	0.11	0.97	0.052	1.3	0.42	0.23	0.2	5.2	0.52	0.53	2.5	0.38	12.	0.01 J	0.19	1.4
NAPHTHALENE	6.	17.	16.	--	--	--	0.22 J	--	0.62 J	--	0.082 J	0.12 J	0.41 J	82.	0.29 J	8.8	--	0.74 J	--	0.11 J	6.1
PHENANTHRENE	NC	300,000.	NC	0.11 J	0.93	0.24 J	6.8	0.11 J	3.6	1.6 J	0.59	0.53	5.9	31.	0.38 J	26.	0.86	6.4	--	0.44	5.2
PYRENE	1,700.	18,000.	550.	0.13 J	1.5	0.81	8.1	0.19 J	13.	2.2 J	1.1	0.8	13.	8.5	0.87	14.	1.1	10.	--	0.46	5.8
TOTAL TARGETED SVOCs				1.25	10.938	4.66	42.63	1.2	59.24	13.48	6.072	4.924	131.34	225.73	10.671	133.19	7.094	123.29	0.173	5.182	68.39
TOTAL NON-TARGETED SVOCs (TICs)				---	2.65	3.26	7.34	0.36	12.28	20.68	2.25	6.08	36.8	148.	10.15	102.1	0.43	72.	---	15.99	21.38
TOTAL CONCENTRATION OF SVOCs				1.25	13.588	7.92	49.97	1.56	71.52	34.16	8.322	11.004	168.14	373.73	20.821	235.29	7.524	195.29	0.173	21.172	89.77
PCBs																					
AROCLOR 1242	0.2	1.	0.2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AROCLOR 1254	0.2	1.	0.2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AROCLOR 1260	0.2	1.	0.2	--	--	0.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TOTAL CONCENTRATION OF PCBs	0.2	1.	0.2	---	---	0.1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
PESTICIDES																					
4,4-DDD	3.	13.	3.	0.0024 J	0.0034 J	0.028	--	--	0.0018 J	--	--	--	--	--	--	--	--	--	--	0.0047 J	--
4,4-DDE	2.	9.	12.	--	--	0.026	--	0.0029 J	--	0.0018 J	--	--	--	0.0033 J	--	0.0067 J	--	--	--	0.0052 J	0.0034 J
4,4-DDT	2.	8.	7.	0.008	0.0025 J	0.032	0.0013 J	0.0075 J	0.0027 J	0.003 J	--	--	--	--	--	0.047 J	0.0031 J	--	0.0035 J	0.0042 J	0.0077 J
ALDRIN	0.04	0.2	0.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ALPHA-BHC	0.1	0.5	0.002	--	--	0.0041 J	--	--	--	0.0045 J	--	--	--	--	--	--	--	--	--	--	--
BETA-BHC	0.4	2.	0.002	--	0.0012 J	--	0.0025 J	--	--	--	--	--	--	--	--	0.0062 J	--	--	--	--	0.0029 J
DELTA-BHC	NC	NC	NC	--	--	--	--	--	--	0.0051 J	--	--	--	--	--	0.0022 J	--	--	--	--	--
DIELDRIN	0.04	0.2	0.003	0.0029 J	--	0.0075 J	--	--	--	0.0032 J	--	--	--	--	--	--	--	--	--	0.0025 J	--
ENDOSULFAN I	NC	NC	2.	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ENDOSULFAN II	NC	NC	2.	--	0.0013 J	--	--	0.0026 J	0.0026 J	0.0012 J	--	--	--	--	0.0021 J	0.028 J	--	--	--	0.0034 J	0.0031 J
ENDOSULFAN SULFATE	470.	6,800.	1.	0.0021 J	0.002 J	0.0032 J	0.0027 J	--	--	0.025	--	--	--	0.0018 J	--	0.018 J	0.0013 J	--	--	0.0064 J	--
ENDRIN	23.	340.	0.6	--	--	--	--	--	--	0.0068 J	--	--	--	--	--	--	--	--	--	--	--
ENDRIN ALDEHYDE	NC	NC	NC	0.0051 J	0.0066 J	0.0022 J	--	0.009	0.0031 J	0.031	0.008 J	--	--	0.01 J	0.0036 J	0.045 J	--	--	--	0.0054 J	--
ENDRIN KETONE	NC	NC	NC	0.0033 J	0.011	0.0032 J	0.0028 J	--	0.0026 J	0.005 J	--	--	0.0022 J	0.0074 J	--	0.027 J	0.0018 J	0.0027 J	0.0047 J	--	--
GAMMA-BHC (LINDANE)	0.4	2.	0.002	--	0.001 J	--	--	--	--	0.024	--	--	--	--	--	0.0015 J	--	--	--	0.0016 J	0.0013 J
HEPTACHLOR	0.1	0.7	0.3	--	--	--	--	--	--	0.0021 J	--	--	--	--	--	0.0019 J	--	--	--	--	--
HEPTACHLOR EPOXIDE	0.07	0.3	0.009	--	--	0.0024 J	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
METHOXYCHLOR	390.	5,700.	100.	--	--	--	--	--	0.003 J	0.019	--	0.0019 J	--	0.003 J	--	0.071 J	--	0.0048 J	--	0.014	0.015

TABLE VII
ANALYTICAL RESULTS OF SOIL SAMPLING
14th Street Viaduct Replacement
14th Street from Willow Avenue (Hoboken, New Jersey)
to Manhattan Avenue (Union City, New Jersey)

Location	New Jersey	New Jersey	NJDEP	B-117	B-117	B-118	B-118	B-119	B-119	B-122	B-122	B-123	B-123	B-123	B-125	B-125	B-126	B-126	B-127	B-127	B-127
Sample ID	Residential	Non-Residential	Default Impact	B-117:S1	B-117:S3	B-118:S1	B-118:S3	B-119:S1	B-119:S3	B-122:S1	B-122:S3	B-123:S2	B-123:S4	B-123:S17	B-125:S1	B-125:S5	B-126-A1	B-126-S1	B-127:A1	FD06220902	B-127:A3
Lab Sample ID	Direct Contact	Direct Contact	to Groundwater	460-2889-1	460-2889-2	460-2889-3	460-2889-4	460-3434-1	460-3434-2	460-2512-6	460-2512-7	460-2676-1	460-2676-2	460-2676-3	460-3434-3	460-3434-4	460-3167-6	460-3167-7	460-3072-3	460-3072-6	460-3072-4
Sample Date	Soil Remediation	Soil Remediation	Soil Remediation	6/16/2009	6/16/2009	6/16/2009	6/16/2009	7/2/2009	7/2/2009	6/5/2009	6/5/2009	6/10/2009	6/10/2009	6/10/2009	7/2/2009	7/2/2009	6/25/2009	6/25/2009	6/22/2009	6/22/2009	6/22/2009
Sample Depth	Standards	Standards	Standards	0 to 2	4 to 6	0 to 2	4 to 6	1 to 2	4 to 6	0 to 2	4 to 6	2 to 4	6 to 8	65 to 67	0 to 2	8 to 12	0 to 2	6 to 8	0 to 2	0 to 2	4 to 6
Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
METALS																					
ALUMINUM	78,000.	NC	3,900.	6,870.	6,640.	7,920.	6,780.	4,700.	3,520.	3,670.	7,110.	8,030.	5,520.	6,120.	5,250.	2,500.	4,250.	6,510.	5,190.	5,710.	4,730.
ANTIMONY	31.	450.	6.	9.7	--	1.7 J	--	--	--	--	--	1.4 J	1.7 J	--	--	--	--	--	--	--	--
ARSENIC	19.	19.	19.	11.8	27.8	7.3	5.1	4.4	6.9	3.5	10.	34.	7.1	4.1	3.7	5.1	4.8	5.9	10.7 J	5.9	8.
BARIUM	16,000.	59,000.	1,300.	160.	136.	377.	81.7	812.	82.2	104 J	161 J	311.	82.3	57.7	87.2	33.7 J	106.	105.	81.6	108.	51.1 J
BERYLLIUM	16.	140.	0.5	0.97	0.47 J	5.6	0.25 J	0.65	0.52	0.22 J	0.36 J	3.6	0.4 J	0.9	--	--	0.5	0.4 J	0.67	0.53	0.53 J
CADMIUM	78.	78.	1.	1.2	--	0.63 J	--	4.8	6.3	0.24 J	--	--	--	--	0.3 J	--	--	--	0.62 J	0.25 J	--
CALCIUM	NC	NC	NC	20,400.	12,300.	12,300.	21,200.	23,800.	24,000.	33,400.	7,810.	20,400.	7,460.	1,270.	20,200.	5,640.	8,750.	12,500.	11300 J	32,100.	55,200.
CHROMIUM	NC	NC	NC	32 J	21.1 J	64.1	14.3 J	22.7	25.2	11.4	17.	18.7	11.7	14.5	14.4	9.9	11.9	15.4	23.5	14.3	9.8
COBALT	1,600.	590.	59.	8.3 J	6.8 J	16.6	7 J	10.1 J	6.1 J	3.9 J	6.8 J	17.2	6.5 J	5.9 J	5.2 J	3.2 J	5.1 J	6.1 J	5.3 J	5.3 J	4.7 J
COPPER	3,100.	45,000.	7,300.	193.	88.1	326.	46.3	163.	64.4	37.2 J	130.	110.	53.	16.8	449.	42.1	54.5	41.7	76.8	96.	27.1
IRON	NC	NC	NC	22,300.	26,500.	25,700.	16,000.	13,400.	12,000.	9,510.	23,300.	26,600.	13,000.	13,600.	12,700.	10,400.	9,150.	16,600.	14,500.	15,700.	17,200.
LEAD	400.	800.	59.	771.	1,870.	806.	185.	332.	381.	70.1 J	732.	245.	232.	15.1	348.	148.	163.	168.	147.	334.	336.
MAGNESIUM	NC	NC	NC	2,810.	2,510.	3,210.	2,680.	7,850.	2,340.	10,500.	1,980.	1,400.	2,040.	4,760.	2,400.	1,300.	1,890.	2,630.	1,930.	2,010.	2,380.
MANGANESE	11,000.	5,900.	42.	333.	269.	360.	253.	245.	165.	379 J	144 J	308.	101.	159.	201.	116.	161.	184.	162.	181.	275.
MERCURY	23.	65.	0.1	0.66	1.8	0.77	1.1	0.39	0.23	0.23	3.8	0.6	0.76	--	0.45	0.18	0.46	0.49	0.27	0.56	1.3
NICKEL	1,600.	23,000.	31.	37.8	24.9	95.1	16.	55.5	22.8	14.	15.8	43.5	14.7	11.2	14.1	9 J	12.8	18.8	19.7	18.3	13.5
POTASSIUM	NC	NC	NC	1,320.	940 J	965 J	1300 J	353 J	501 J	575 J	1300 J	376 J	559 J	2,250.	873 J	325 J	683 J	852 J	696 J	783 J	601 J
SELENIUM	390.	5,700.	7.	--	--	--	--	--	1.1 J	--	2.8	5.6	4.	--	--	--	--	--	2 J	--	2.4 J
SILVER	390.	5,700.	1.	0.25 J	0.32 J	0.57 J	--	--	--	--	--	--	--	--	--	--	0.5 J	--	--	--	--
SODIUM	NC	NC	NC	317 J	99.9 J	655 J	154 J	344 J	290 J	715 J	928 J	658 J	307 J	516 J	1,400.	218 J	--	495 J	1480 J	2,540.	298 J
VANADIUM	78.	1,100.	NC	68.2	28.3	32.1	18.7	21.5	19.1	28.	23.2	39.2	15.1	20.1	14.8	12.3	17.5	17.7	20.5	16.9	14.9
ZINC	23,000.	110,000.	600.	559.	225.	1,120.	89.9	758.	236.	194 J	383.	193.	233.	47.8	479.	56.1	133.	70.5	166.	152.	65.3
TPH																					
TOTAL PETROLEUM HYDROCARBONS	10,000.	10,000.	NC	30.	37.	55.	33.	430.	270.	290.	220.	66.	63.	400.	19.	1,800.	70.	190.	40 J	240.	2,100.

NOTES:
Soil results were compared to New Jersey Residential and Non-Residential Direct Contact Soil Remediation Standards (SRS), as published in N.J.A.C. 7:26D, and NJDEP Default Impact to Groundwater Soil Screening Levels (IGWSSLs) using the Soil Water Partition Equation.

mg/kg Milligrams per kilogram
VOCs Volatile Organic Compounds
SVOCs Semivolatile Organic Compounds
TICs Tentatively Identified Compounds
PCBs Polychlorinated biphenyls
TPH Total Petroleum Hydrocarbons
NC No standard or criteria
620. Exceedance of applicable standard or criteria
-- Not detected above the Method Detection Limit.
J Estimated value

TABLE VII
ANALYTICAL RESULTS OF SOIL SAMPLING
14th Street Viaduct Replacement
14th Street from Willow Avenue (Hoboken, New Jersey)
to Manhattan Avenue (Union City, New Jersey)

Location	New Jersey	New Jersey	NJDEP	B-128	B-128	B-128	EB-1	EB-1	EB-2	EB-2	EB-2	EB-4	EB-4	MW-114	MW-124	MW-124	MW-129	MW-129
Sample ID	Residential	Non-Residential	Default Impact	B-128:A1	B-128:A3	FD06220901	EB-1:S1	EB-1:S4	EB-2:S1	EB-2:S1A	EB-2:S7	EB-4:S1	EB-4:S3	B-114M-S1	MW-124:S1	MW-124:S5	B-129MW:S1	B-129MW:S5
Lab Sample ID	Direct Contact	Direct Contact	to Groundwater	460-3072-1	460-3072-2	460-3072-5	460-2953-4	460-2953-5	460-2953-1	460-2953-2	460-2953-3	460-3434-5	460-3434-6	460-3167-1	460-3508-1	460-3508-2	460-3072-7	460-3072-8
Sample Date	Soil Remediation	Soil Remediation	Soil Remediation	6/22/2009	6/22/2009	6/22/2009	6/18/2009	6/18/2009	6/17/2009	6/17/2009	6/18/2009	7/2/2009	7/2/2009	6/24/2009	7/7/2009	7/7/2009	6/23/2009	6/23/2009
Sample Depth	Standards	Standards	Standards	0 to 2	4 to 6	4 to 6	0 to 2	6 to 8	0 to 2	0 to 2	12 to 14	0.5 to 2	4 to 6	0 to 2	0.5 to 2	8 to 10	0 to 2	8 to 10
Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
VOCs																		
ACETONE	70,000.	NC	12.	--	--	--	--	0.018	--	--	0.16	--	--	--	--	--	--	--
BENZENE	2.	5.	0.005	--	--	--	--	0.0011 J	--	--	--	--	3.8 J	--	0.005	0.2	--	0.031 J
CARBON DISULFIDE	7,800.	110,000.	4.	--	--	--	0.00071 J	0.0012 J	--	--	0.0035 J	--	--	--	0.00062 J	--	--	--
CHLOROBENZENE	510.	7,400.	0.4	--	--	--	--	--	0.00061 J	--	--	--	--	--	--	--	--	--
CHLOROFORM	0.6	2.	0.2	--	0.0034 J	0.006	0.00068 J	--	--	--	--	--	--	--	--	--	--	--
CIS-1,2-DICHLOROETHENE	230.	560.	0.2	--	--	--	--	0.003	--	--	--	--	--	--	--	--	--	--
ETHYLBENZENE	7,800.	110,000.	8.	--	--	--	--	--	--	--	--	--	7.8 J	--	--	0.61	--	0.067 J
METHYL ETHYL KETONE	3,100.	44,000.	0.6	--	--	--	--	--	--	--	0.037	--	--	--	--	--	--	--
STYRENE	90.	260.	2.	NT	--	--	--	NT	--	--	--	NT	--	--	--	--	--	0.015 J
TETRACHLOROETHENE	2.	5.	0.005	--	--	--	0.002	0.00063 J	--	--	--	--	--	--	--	--	--	--
TOLUENE	6,300.	91,000.	4.	--	--	--	--	0.0011 J	--	--	--	--	3.3 J	--	0.003	0.2	--	0.08 J
TRICHLOROETHENE	7.	20.	0.007	--	--	--	0.007	0.003	--	--	--	--	--	--	--	--	--	--
VINYL CHLORIDE	0.7	2.	0.005	--	--	--	--	0.00081 J	--	--	--	--	--	--	--	--	--	--
XYLENE (TOTAL)	12,000.	170,000.	12.	--	--	--	--	--	--	--	--	--	22 J	--	--	0.25 J	--	0.15 J
TOTAL TARGETED VOCs				---	0.003	0.006	0.01	0.029	0.001	---	0.201	---	36.9	---	0.009	1.26	---	0.343
TOTAL NON-TARGETED VOCs (TICs)				---	---	---	0.008	1.504	---	---	0.016	0.01	417.7	---	---	54.7	---	44.4
TOTAL CONCENTRATION OF VOCs				---	0.003	0.006	0.018	1.533	0.001	---	0.217	0.01	454.6	---	0.009	55.96	---	44.743
SVOCs																		
2-METHYLNAPHTHALENE	230.	2,400.	5.	--	--	0.065 J	--	--	0.2 J	--	--	--	490.	--	0.092 J	360.	0.097 J	1.3 J
ACENAPHTHENE	3,400.	37,000.	74.	--	0.4 J	0.16 J	--	--	0.6	0.31 J	--	--	120 J	--	0.27 J	120.	--	44.
ACENAPHTHYLENE	NC	300,000.	NC	1.4	0.16 J	0.13 J	--	1.	0.22 J	0.19 J	--	0.25 J	45 J	--	0.17 J	32.	0.077 J	7.9
ANTHRACENE	17,000.	30,000.	1,500.	0.18 J	1.	0.38 J	--	0.42 J	1.9 J	1.1	--	--	72 J	--	0.6	75.	--	17.
BENZO(A)ANTHRACENE	0.6	2.	0.5	0.59	6 J	2.1	0.27	1.4	3.	3.4	0.11	0.084	22.	--	2.7	21.	0.056	9.7
BENZO(A)PYRENE	0.2	0.2	0.2	0.8	9 J	3.4	0.36	1.6	2.7	2.9	0.13	0.12	18 J	--	5.1	16.	0.027 J	6.3
BENZO(B)FLUORANTHENE	0.6	2.	2.	0.76	6.7 J	2.7	0.25	1.3	2.4	2.2	0.089	0.074	4.8 J	--	3.	6.2	0.032 J	2.9
BENZO(G,H,I)PERYLENE	380,000.	30,000.	NC	0.26 J	2.8 J	0.88	0.31 J	0.51	0.39 J	1.4	0.079 J	0.089 J	--	--	1.3	2.3 J	--	2.2 J
BENZO(K)FLUORANTHENE	6.	23.	16.	0.83	8.1 J	3.7	0.34	1.6	2.7	2.4	0.089	0.12	--	--	5.3	11.	0.023 J	4.9
BIS(2-ETHYLHEXYL)PHTHALATE	35.	140.	790.	--	--	--	3.5	--	--	--	--	--	--	--	0.19 J	--	--	--
BUTYL BENZYL PHTHALATE	1,200.	14,000.	150.	--	--	--	1.1	--	--	--	--	--	--	--	0.11 J	--	--	--
CARBAZOLE	24.	96.	NC	--	0.45 J	0.17 J	--	--	0.5	0.36 J	--	--	--	--	0.27 J	--	--	--
CHRYSENE	62.	230.	52.	0.64	5.7 J	2.	0.47	1.6	3.5	3.7	0.1 J	0.11 J	--	--	2.5	22.	0.12 J	9.
DIBENZO(A,H)ANTHRACENE	0.2	0.2	0.5	--	1 J	0.43	--	--	--	0.41	--	--	--	--	--	1.5 J	0.012 J	0.96
DIBENZOFURAN	NC	NC	NC	--	0.17 J	0.082 J	--	0.074 J	0.3 J	--	--	--	--	--	0.11 J	12 J	--	2 J
DI-N-OCTYL PHTHALATE	2,400.	27,000.	3,300.	--	--	--	--	--	--	--	--	--	--	--	0.066 J	--	--	--
FLUORANTHENE	2,300.	24,000.	840.	0.64	5.9 J	2.2	0.45	2.6	8.1	7.	0.17 J	0.12 J	45 J	--	2.6	45.	0.086 J	15.
FLUORENE	2,300.	24,000.	110.	--	0.2 J	0.1 J	--	0.11 J	0.58 J	0.29 J	--	--	100 J	--	0.12 J	100.	--	19.
INDENO(1,2,3-CD)PYRENE	0.6	2.	5.	0.28	3.1 J	1.	0.24	0.49	0.48 J	1.2	0.067 J	0.075	--	--	1.4	2.6	0.015 J	1.8
NAPHTHALENE	6.	17.	16.	0.17 J	0.24 J	0.14 J	--	0.094 J	0.23 J	--	--	0.15 J	2,200.	--	0.16 J	4.8 J	--	3.1 J
PHENANTHRENE	NC	300,000.	NC	0.52	3.2 J	1.2	0.26 J	2.	8.7	5.9	--	0.079 J	220.	--	1.9	260.	0.28 J	60.
PYRENE	1,700.	18,000.	550.	0.66	6.7 J	2.1	0.52	4.5	8.5	10.	0.21 J	0.15 J	76 J	--	3.9	72.	0.1 J	23.
TOTAL TARGETED SVOCs				7.73	60.82	22.937	8.07	19.298	45.	42.76	1.044	1.421	3,412.8	---	31.858	1,163.4	0.925	230.06
TOTAL NON-TARGETED SVOCs (TICs)				36.34	22.61	9.59	0.87	9.8	9.22	8.08	17.04	3.92	670.	---	8.78	1,430.	---	278.4
TOTAL CONCENTRATION OF SVOCs				44.07	83.43	32.527	8.94	29.098	54.22	50.84	18.084	5.341	4,082.8	---	40.638	2,593.4	0.925	508.46
PCBs																		
AROCLOR 1242	0.2	1.	0.2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AROCLOR 1254	0.2	1.	0.2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AROCLOR 1260	0.2	1.	0.2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TOTAL CONCENTRATION OF PCBs	0.2	1.	0.2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
PESTICIDES																		
4,4-DDD	3.	13.	3.	0.0051 J	--	--	0.005 J	0.017	0.0034 J	0.0093 J	--	--	0.028 J	--	--	0.012 J	--	0.0021 J
4,4-DDE	2.	9.	12.	0.0057 J	--	--	0.0048 J	--	0.0028 J	--	--	0.0036 J	0.0058 J	--	--	0.012 J	--	0.0041 J
4,4-DDT	2.	8.	7.	0.0049 J	0.0012 J	0.0015 J	0.024	0.007 J	0.019 J	0.016 J	0.0031 J	0.0037 J	0.11 J	--	--	0.48 J	0.0033 J	0.052 J
ALDRIN	0.04	0.2	0.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0027 J
ALPHA-BHC	0.1	0.5	0.002	--	--	--	--	0.0037 J	--	--	--	--	--	--	--	--	--	--
BETA-BHC	0.4	2.	0.002	0.0013 J	--	--	--	--	--	--	--	--	0.0071 J	--	--	0.057 J	--	0.016 J
DELTA-BHC	NC	NC	NC	--	--	--	--	--	--	--	--	--	--	--	--	0.016 J	--	--
DIELDRIN	0.04	0.2	0.003	--	--	--	0.058	--	0.0035 J	0.0068 J	--	--	0.0049 J	0.0021 J	--	--	--	--
ENDOSULFAN I	NC	NC	2.	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ENDOSULFAN II	NC	NC	2.	0.0059 J	0.0017 J	--	--	0.0018 J	--	--	--	0.0019 J	0.0039 J	--	--	0.2 J	--	--
ENDOSULFAN SULFATE	470.	6,800.	1.	0.0046 J	0.0017 J	0.0015 J	--	0.0032 J	0.012 J	0.0053 J	--	0.0028 J	0.05 J	--	--	0.36 J	0.012	--
ENDRIN	23.	340.	0.6	--	0.0021 J	0.0014 J	--	0.0028 J	0.0049 J	0.0016 J	--	--	--	--	--	--	--	--
ENDRIN ALDEHYDE	NC	NC	NC	0.0032 J	0.0044 J	--	0.099	0.0029 J	0.0098 J	0.01 J	0.0067 J	--	0.02 J	--	--	0.2 J	0.024	0.012 J
ENDRIN KETONE	NC	NC	NC	0.0058 J	0.01	0.006 J	--	0.0059 J	0.017 J	0.0036 J	--	--	0.015 J	0.0027 J	--	0.08 J	--	0.013 J
GAMMA-BHC (LINDANE)	0.4	2.	0.002	0.0083 J	--	--	--	0.0018 J	--	--	--	0.0036 J	--	--	--	0.04 J	--	0.0067 J
HEPTACHLOR	0.1	0.7	0.3	--	--	--	--	--	--	--	--	0.0013 J	--	--	--	0.042 J	--	--
HEPTACHLOR EPOXIDE	0.07	0.3	0.009	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
METHOXYCHLOR	390.	5,700.	100.	0.01	--	--	--	0.002 J	--	--	--	0.0042 J	0.033 J	--	--	0.5 J	--	0.055 J

TABLE VII
ANALYTICAL RESULTS OF SOIL SAMPLING
14th Street Viaduct Replacement
14th Street from Willow Avenue (Hoboken, New Jersey)
to Manhattan Avenue (Union City, New Jersey)

Location	New Jersey	New Jersey	NJDEP	B-128	B-128	B-128	EB-1	EB-1	EB-2	EB-2	EB-2	EB-4	EB-4	MW-114	MW-124	MW-124	MW-129	MW-129
Sample ID	Residential	Non-Residential	Default Impact	B-128:A1	B-128:A3	FD06220901	EB-1:S1	EB-1:S4	EB-2:S1	EB-2:S1A	EB-2:S7	EB-4:S1	EB-4:S3	B-114M-S1	MW-124:S1	MW-124:S5	B-129MW:S1	B-129MW:S5
Lab Sample ID	Direct Contact	Direct Contact	to Groundwater	460-3072-1	460-3072-2	460-3072-5	460-2953-4	460-2953-5	460-2953-1	460-2953-2	460-2953-3	460-3434-5	460-3434-6	460-3167-1	460-3508-1	460-3508-2	460-3072-7	460-3072-8
Sample Date	Soil Remediation	Soil Remediation	Soil Remediation	6/22/2009	6/22/2009	6/22/2009	6/18/2009	6/18/2009	6/17/2009	6/17/2009	6/18/2009	7/2/2009	7/2/2009	6/24/2009	7/7/2009	7/7/2009	6/23/2009	6/23/2009
Sample Depth	Standards	Standards	Standards	0 to 2	4 to 6	4 to 6	0 to 2	6 to 8	0 to 2	0 to 2	12 to 14	0.5 to 2	4 to 6	0 to 2	0.5 to 2	8 to 10	0 to 2	8 to 10
Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
METALS																		
ALUMINUM	78,000.	NC	3,900.	6,340.	5,190.	4,700.	2,700.	2,140.	10,900.	12,700.	6,250.	2,190.	2,080.	2,110.	4,950.	15,400.	2,650.	4,530.
ANTIMONY	31.	450.	6.	1.2 J	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ARSENIC	19.	19.	19.	7.	6.6	7.9	13.6	6.2	6.7	5.9	4.1	7.9	3.2	19.6	6.4	16.	5.6	3.3
BARIUM	16,000.	59,000.	1,300.	101.	122 J	63.2	154.	78.7	210 J	102.	28.4 J	48.7	28 J	63.	75.9	106.	66.2	53.7
BERYLLIUM	16.	140.	0.5	0.46 J	0.55	0.52	0.54	--	0.7	0.65	0.56 J	--	--	0.32 J	0.41 J	1.3	0.4 J	0.45 J
CADMIUM	78.	78.	1.	--	--	--	0.39 J	--	0.35 J	0.26 J	--	1 J	--	--	--	--	0.9 J	--
CALCIUM	NC	NC	NC	31,300.	3,260.	2,720.	9,700.	5,950.	7000 J	4,130.	15,500.	10,300.	97,000.	4,850.	24,100.	7,200.	5,780.	3,260.
CHROMIUM	NC	NC	NC	13.8	13.7	11.7	14.1	28.2	20.9	21.	14.3	8.5	3.9	6.1	11.3	26.3	10.8	10.2
COBALT	1,600.	590.	59.	5.2 J	4.4 J	3.8 J	5.1 J	3.1 J	7 J	7.8 J	2.8 J	4.3 J	2.3 J	3.8 J	5.2 J	11.3 J	2.9 J	3.5 J
COPPER	3,100.	45,000.	7,300.	94.8	47.4 J	26.4	51.6	52.1	34.7	28.6	13.6	198.	32.3	21.6	82.8	226.	34.5	25.6
IRON	NC	NC	NC	14,100.	13,800.	14,200.	13,000.	11,800.	20,700.	23,600.	13,300.	8,970.	4,050.	9,470.	14,400.	25,400.	8,330.	10,400.
LEAD	400.	800.	59.	286.	605.	244.	333.	166.	730 J	227.	48.1	295.	36.3	11.8	177.	177.	139.	150.
MAGNESIUM	NC	NC	NC	2,000.	1,500.	1,380.	627 J	603 J	3,630.	3,820.	3,350.	699 J	401 J	292 J	1,500.	6,010.	1020 J	1,790.
MANGANESE	11,000.	5,900.	42.	181.	171.	143.	89.1	83.9	333.	346.	78.1	89.5	66.7	38.4	159.	448.	70.5	91.5
MERCURY	23.	65.	0.1	0.9	1.3	0.87	0.34	0.43	0.67	0.45	0.084	0.21	5.5	0.58	0.29	0.38	1.7	0.76
NICKEL	1,600.	23,000.	31.	15.7	12.4	12.2	15.6	12.	17.1	17.7	9.3 J	10.6	6.2 J	10.6	17.1	24.6	11.5	11.6
POTASSIUM	NC	NC	NC	688 J	874 J	757 J	402 J	225 J	834 J	915 J	977 J	217 J	175 J	204 J	755 J	1,980.	384 J	655 J
SELENIUM	390.	5,700.	7.	1.4 J	1.4 J	1.7 J	1.3 J	2.1 J	--	--	1.9 J	1.1 J	2.3 J	1.7 J	--	1.3 J	--	1.9 J
SILVER	390.	5,700.	1.	--	--	--	0.21 J	1.4 J	--	--	--	--	--	4.8	--	--	--	--
SODIUM	NC	NC	NC	2,550.	966 J	1250 J	194 J	189 J	227 J	293 J	2,550.	387 J	876 J	--	900 J	378 J	1,540.	777 J
VANADIUM	78.	1,100.	NC	16.7	14.9	15.2	18.8	8.9 J	27.4	26.2	18 J	10.4 J	6 J	11.2 J	18.2	50.	12.3	12.7
ZINC	23,000.	110,000.	600.	141.	69.	75.3	173.	117.	385.	230.	37.7	557.	160.	15.3	82.3	186.	47.5	110.
TPH																		
TOTAL PETROLEUM HYDROCARBONS	10,000.	10,000.	NC	350.	670.	1,300.	9.1	110.	46.	64.	--	27.	20,000.	--	39.	3,600.	92.	7,800.

NOTES:
Soil results were compared to New Jersey Residential and Non-Residential Direct Contact Soil Remediation Standards (SRS),
as published in N.J.A.C. 7:26D, and NJDEP Default Impact to Groundwater Soil Screening Levels (IGWSSLs) using
the Soil Water Partition Equation.

mg/kg	Milligrams per kilogram
VOCs	Volatile Organic Compounds
SVOCs	Semivolatile Organic Compounds
TICs	Tentatively Identified Compounds
PCBs	Polychlorinated biphenyls
TPH	Total Petroleum Hydrocarbons
NC	No standard or criteria
620.	Exceedance of applicable standard or criteria
--	Not detected above the Method Detection Limit.
J	Estimated value

TABLE VIII
ANALYTICAL RESULTS OF SOIL QA/QC SAMPLING
14th Street Viaduct Replacement
14th Street from Willow Avenue (Hoboken, New Jersey)
to Manhattan Avenue (Union City, New Jersey)

Location	FB	FB	FB
Sample ID	FB-061009	FB-061709	FB-062509
Lab Sample ID	460-2676-4	460-2889-5	460-3167-5
Sample Date	6/10/2009	6/17/2009	6/25/2009
Unit	ug/l	ug/l	ug/l
VOCs			
1,1,1-TRICHLOROETHANE	--	--	--
1,1,2,2-TETRACHLOROETHANE	--	--	--
1,1,2-TRICHLOROETHANE	--	--	--
1,1-DICHLOROETHANE	--	--	--
1,1-DICHLOROETHENE	--	--	--
1,2-DICHLOROETHANE	--	--	--
1,2-DICHLOROPROPANE	--	--	--
2-HEXANONE	--	--	--
4-METHYL-2-PENTANONE	--	--	--
ACETONE	--	--	--
BENZENE	--	--	--
BROMODICHLOROMETHANE	--	--	--
BROMOMETHANE	--	--	--
CARBON DISULFIDE	--	--	--
CARBON TETRACHLORIDE	--	--	--
CHLOROBENZENE	--	--	--
CHLOROETHANE	--	--	--
CHLOROFORM	--	--	--
CHLOROMETHANE	--	--	--
CIS-1,2-DICHLOROETHENE	--	--	--
CIS-1,3-DICHLOROPROPENE	--	--	--
DIBROMOCHLOROMETHANE	--	--	--
ETHYLBENZENE	--	--	--
METHYL ETHYL KETONE	--	--	--
METHYLENE CHLORIDE	--	--	--
STYRENE	--	--	--
TETRACHLOROETHENE	--	--	--
TOLUENE	--	--	--
TRANS-1,2-DICHLOROETHENE	--	--	--
TRANS-1,3-DICHLOROPROPENE	--	--	--
TRIBROMOMETHANE	--	--	--
TRICHLOROETHENE	--	--	--
VINYL CHLORIDE	--	--	--
XYLENE (TOTAL)	--	--	--

NOTES:
ug/l Micrograms per liter
VOCs Volatile Organic Compounds
-- Not detected above the Method Detection Limit.

TABLE IX
ANALYTICAL RESULTS OF GROUNDWATER SAMPLING
14th Street Viaduct Replacement
14th Street from Willow Avenue (Hoboken, New Jersey)
to Manhattan Avenue (Union City, New Jersey)

Location	New Jersey	MW-103	MW-105	MW-107	MW-112	MW-114	MW-118	MW-124	MW-127	MW-129
Sample ID	Groundwater	MW-103-072709	MW-105-072709	MW-107-072709	MW-112-072709	MW-114-072709	MW-118-072709	MW-124-072709	MW-127-072709	MW-129-072709
Lab Sample ID	Quality	460-4158-1	460-4158-2	460-4158-4	460-4158-9	460-4158-8	460-4158-3	460-4158-5	460-4158-6	460-4158-7
Sample Date	Standards	7/27/2009	7/27/2009	7/27/2009	7/27/2009	7/27/2009	7/27/2009	7/27/2009	7/27/2009	7/27/2009
Unit	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
VOCs										
BENZENE	1.	--	--	1.8	82.	35.	--	37.	0.89 J	39.
BROMODICHLOROMETHANE	1.	--	--	--	--	--	--	--	0.41 J	--
CHLOROBENZENE	50.	--	--	--	0.35 J	--	--	--	--	--
CHLOROFORM	70.	--	--	0.22 J	--	--	0.64 J	0.25 J	3.	0.37 J
ETHYLBENZENE	700.	--	--	3.6	1.2	7.4	--	12.	--	110.
METHYLENE CHLORIDE	3.	0.62 J	--	--	--	--	--	--	--	--
TOLUENE	600.	--	--	3.7	0.95 J	0.42 J	--	0.77 J	--	2.5
XYLENE (TOTAL)	1,000.	--	--	1.4 J	3.4	7.2	--	3.2	--	69.
TOTAL TARGETED VOCs		0.62	---	10.72	87.9	50.02	0.64	53.22	4.3	220.87
TOTAL NON-TARGETED VOCs (TICs)	500.	---	---	568.	314.	339.	---	934.	36.	3,450.
TOTAL CONCENTRATION OF VOCs		0.62	---	578.72	401.9	389.02	0.64	987.22	40.3	3,670.87
SVOCs										
2-METHYLNAPHTHALENE	30.	--	--	10 J	--	15.	--	120.	--	470.
ACENAPHTHENE	400.	--	--	8 J	64.	6.8 J	--	130.	19.	200.
ANTHRACENE	2,000.	--	--	--	4.3 J	--	--	11 J	--	--
BENZO(A)ANTHRACENE	0.1	0.052	0.033 J	0.12	0.18	0.24	--	0.23	0.14	0.45
BENZO(A)PYRENE	0.1	--	--	--	0.065	0.15	--	0.079	0.033 J	0.19
BENZO(B)FLUORANTHENE	0.2	--	--	--	--	0.095	--	--	--	0.074
DIBENZOFURAN	NC	--	--	--	--	--	--	9.3 J	13.	--
FLUORENE	300.	--	--	4.7 J	24.	--	--	59.	14.	60 J
NAPHTHALENE	300.	--	--	13.	7.5 J	59.	--	--	--	1,300.
N-NITROSODI-N-PROPYLAMINE	10.	--	--	--	--	--	--	--	--	24.
PHENANTHRENE	100.	--	--	4.8 J	17.	6.8 J	--	38.	13.	53 J
TOTAL TARGETED SVOCs		0.052	0.033	40.62	117.045	88.085	---	367.609	59.173	2,107.714
TOTAL NON-TARGETED SVOCs (TICs)	500.	---	---	389.	260.7	62.	---	1,242.	12.	2,240.
TOTAL CONCENTRATION OF SVOCs		0.052	0.033	429.62	377.745	150.085	---	1,609.609	71.173	4,347.714
PESTICIDES		--	--	--	--	--	--	--	--	--
METALS										
ALUMINUM	200.	408.	24,500.	78,000.	61,200.	37,400.	96,000.	228,000.	33,500.	20,000.
ANTIMONY	6.	--	9.1	11.6	8.3	5.	5.2	17.8	5.9	2 J
ARSENIC	3.	--	84.8	216.	63.8	87.2	235.	260.	56.8	19.9
BARIUM	2,000.	99.2	1,600.	41,000.	1,480.	1,630.	2,400.	3,270.	632.	312.
BERYLLIUM	1.	--	2.9	7.8	5.1	4.	9.	18.	2.3	1.3
CADMIUM	4.	--	6.1	20.	5.6	7.5	9.7	10.7	3.8	--
CALCIUM	NC	159,000.	158,000.	324,000.	264,000.	245,000.	283,000.	344,000.	74,900.	67,000.
CHROMIUM	70.	--	190.	338.	295.	160.	664.	652.	107.	94.3
COBALT	100.	--	38.9	103.	54.3	33.6	114.	234.	35.6	14.6
COPPER	1,300.	--	1,060.	1,490.	682.	682.	1,740.	4,590.	364.	129.
IRON	300.	7,180.	85,900.	312,000.	120,000.	85,800.	293,000.	496,000.	87,500.	41,500.
LEAD	5.	7.5	2,640.	10,200.	2,610.	2,120.	10,200.	10,400.	2,880.	360.
MAGNESIUM	NC	25,000.	43,000.	59,900.	45,800.	38,900.	68,800.	105,000.	21,200.	11,600.
MANGANESE	50.	457.	1,220.	3,610.	2,760.	2,270.	3,440.	8,430.	980.	909.
MERCURY	2.	--	5.	12.8	7.2	43.	11.8	21.	5.2	2.6
NICKEL	100.	--	205.	272.	165.	114.	365.	685.	92.1	38.2
POTASSIUM	NC	7,960.	19,700.	26,400.	18,800.	23,800.	20,900.	33,500.	10,100.	14,400.
SELENIUM	40.	--	11.3	11.7	6.3	12.8	16.1	23.5	6.8	2.4 J
SILVER	40.	--	--	9.2	--	--	6.7	11.6	--	--
SODIUM	50,000.	227,000.	350,000.	312,000.	854,000.	1,220,000.	127,000.	249,000.	293,000.	881,000.
THALLIUM	2.	--	2.1	3.4	--	1.8	3.1	7.8	0.82 J	--
VANADIUM	NC	--	149.	338.	155.	131.	362.	740.	116.	60.1
ZINC	2,000.	--	3,210.	6,450.	2,270.	1,770.	3,360.	6,580.	1,570.	225.

NOTES:
Groundwater results were compared to New Jersey Groundwater Quality Standards, as published in N.J.A.C. 7:9C.
ug/l Micrograms per liter
VOCs Volatile Organic Compounds
SVOCs Semivolatile Organic Compounds
TICs Tentatively Identified Compounds
NC No standard
620. Exceedance of applicable standard
-- Not detected above the Method Detection Limit.
J Estimated value

TABLE X
ANALYTICAL RESULTS OF GROUNDWATER QA/QC SAMPLING
14th Street Viaduct Replacement
14th Street from Willow Avenue (Hoboken, New Jersey)
to Manhattan Avenue (Union City, New Jersey)

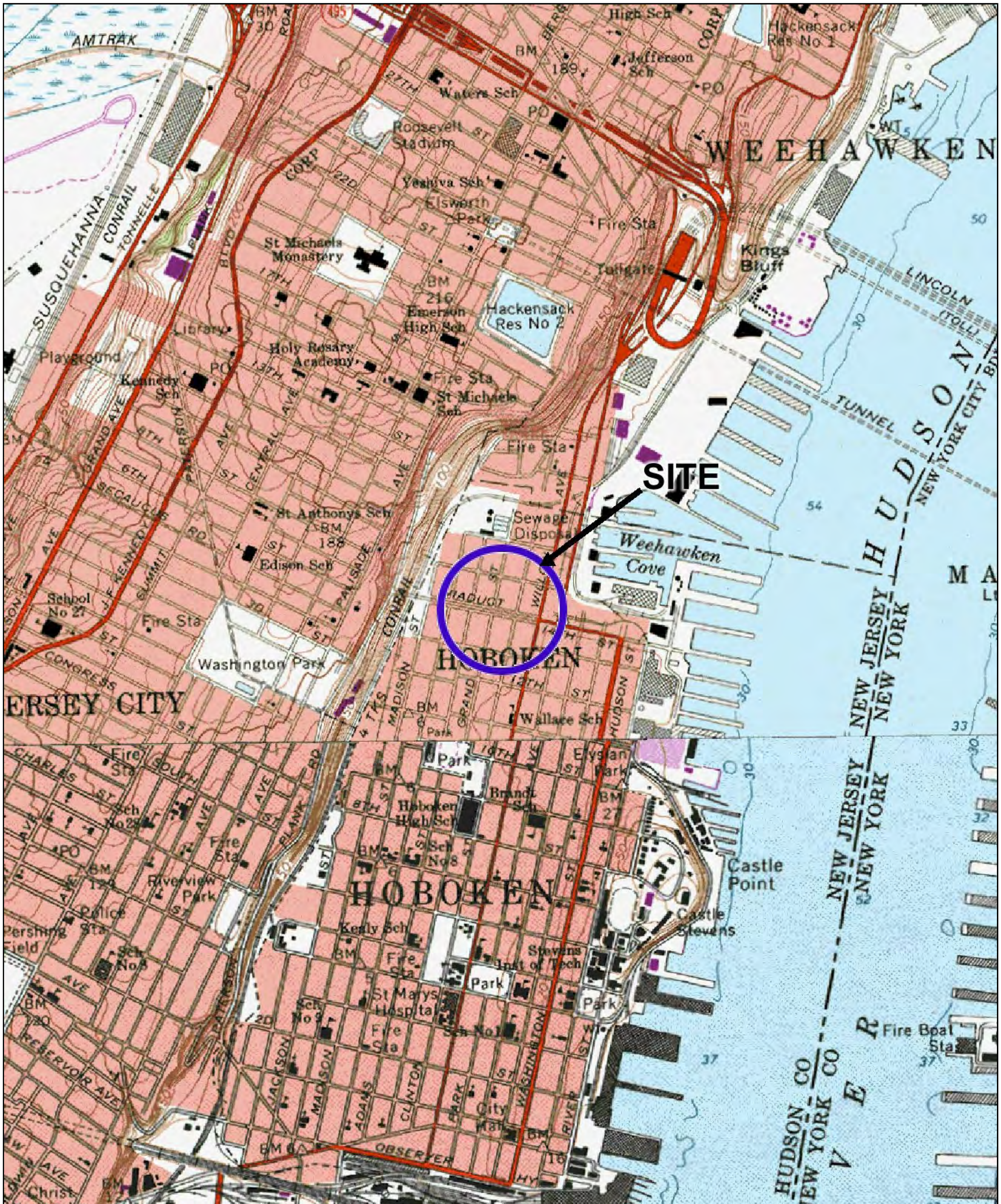
Location	FB	TB
Sample ID	FB-072709	TB-072709
Lab Sample ID	460-4158-10	460-4158-11
Sample Date	7/27/2009	7/27/2009
Unit	ug/l	ug/l
VOCs		
1,1,1-TRICHLOROETHANE	--	--
1,1,2,2-TETRACHLOROETHANE	--	--
1,1,2-TRICHLOROETHANE	--	--
1,1-DICHLOROETHANE	--	--
1,1-DICHLOROETHENE	--	--
1,2-DICHLOROETHANE	--	--
1,2-DICHLOROPROPANE	--	--
2-HEXANONE	--	--
4-METHYL-2-PENTANONE	--	--
ACETONE	--	--
BENZENE	--	--
BROMODICHLOROMETHANE	--	--
BROMOMETHANE	--	--
CARBON DISULFIDE	--	--
CARBON TETRACHLORIDE	--	--
CHLOROBENZENE	--	--
CHLOROETHANE	--	--
CHLOROFORM	--	--
CHLOROMETHANE	--	--
CIS-1,2-DICHLOROETHENE	--	--
CIS-1,3-DICHLOROPROPENE	--	--
DIBROMOCHLOROMETHANE	--	--
ETHYLBENZENE	--	--
METHYL ETHYL KETONE	--	--
METHYLENE CHLORIDE	--	--
STYRENE	--	--
TETRACHLOROETHENE	--	--
TOLUENE	--	--
TRANS-1,2-DICHLOROETHENE	--	--
TRANS-1,3-DICHLOROPROPENE	--	--
TRIBROMOMETHANE	--	--
TRICHLOROETHENE	--	--
VINYL CHLORIDE	--	--
XYLENE (TOTAL)	--	--
SVOCs		
1,2,4-TRICHLOROBENZENE	--	NT
1,2-DICHLOROBENZENE	--	NT
1,3-DICHLOROBENZENE	--	NT
1,4-DICHLOROBENZENE	--	NT
2,4-DINITROTOLUENE	--	NT
2,6-DINITROTOLUENE	--	NT
2-CHLORONAPHTHALENE	--	NT
2-METHYLNAPHTHALENE	--	NT
2-NITROANILINE	--	NT
3,3-DICHLOROBENZIDINE	--	NT
3-NITROANILINE	--	NT
4-BROMOPHENYL PHENYL ETHER	--	NT
4-CHLOROANILINE	--	NT
4-CHLOROPHENYL PHENYL ETHER	--	NT
ACENAPHTHENE	--	NT
ACENAPHTHYLENE	--	NT
ANTHRACENE	--	NT
BENZO(A)ANTHRACENE	--	NT
BENZO(A)PYRENE	--	NT
BENZO(B)FLUORANTHENE	--	NT
BENZO(G,H,I)PERYLENE	--	NT
BENZO(K)FLUORANTHENE	--	NT
BIS(2-CHLOROETHOXY)METHANE	--	NT
BIS(2-CHLOROETHYL)ETHER	--	NT
BIS(2-CHLOROISOPROPYL) ETHER	--	NT
BIS(2-ETHYLHEXYL)PHTHALATE	--	NT
BUTYL BENZYL PHTHALATE	--	NT
CARBAZOLE	--	NT
CHRYSENE	--	NT
DIBENZO(A,H)ANTHRACENE	--	NT
DIBENZOFURAN	--	NT
DIETHYL PHTHALATE	--	NT
DIMETHYL PHTHALATE	--	NT
DI-N-BUTYLPHTHALATE	--	NT

TABLE X
ANALYTICAL RESULTS OF GROUNDWATER QA/QC SAMPLING
14th Street Viaduct Replacement
14th Street from Willow Avenue (Hoboken, New Jersey)
to Manhattan Avenue (Union City, New Jersey)

Location	FB	TB
Sample ID	FB-072709	TB-072709
Lab Sample ID	460-4158-10	460-4158-11
Sample Date	7/27/2009	7/27/2009
Unit	ug/l	ug/l
DI-N-OCTYL PHTHALATE	--	NT
FLUORANTHENE	--	NT
FLUORENE	--	NT
HEXACHLOROBENZENE	--	NT
HEXACHLOROBUTADIENE	--	NT
HEXACHLOROCYCLOPENTADIENE	--	NT
HEXACHLOROETHANE	--	NT
INDENO(1,2,3-CD)PYRENE	--	NT
ISOPHORONE	--	NT
NAPHTHALENE	--	NT
NITROBENZENE	--	NT
N-NITROSODI-N-PROPYLAMINE	--	NT
N-NITROSODIPHENYLAMINE	--	NT
PHENANTHRENE	--	NT
P-NITROANILINE	--	NT
PYRENE	--	NT
PESTICIDES		
4,4-DDD	--	NT
4,4-DDE	--	NT
4,4-DDT	--	NT
ALDRIN	--	NT
ALPHA-BHC	--	NT
BETA-BHC	--	NT
CHLORDANE	--	NT
DELTA-BHC	--	NT
DIELDRIN	--	NT
ENDOSULFAN I	--	NT
ENDOSULFAN II	--	NT
ENDOSULFAN SULFATE	--	NT
ENDRIN	--	NT
ENDRIN ALDEHYDE	--	NT
ENDRIN KETONE	--	NT
GAMMA-BHC (LINDANE)	--	NT
HEPTACHLOR	--	NT
HEPTACHLOR EPOXIDE	--	NT
METHOXYCHLOR	--	NT
TOXAPHENE	--	NT
METALS		
ALUMINUM	--	NT
ANTIMONY	--	NT
ARSENIC	--	NT
BARIUM	--	NT
BERYLLIUM	--	NT
CADMIUM	--	NT
CALCIUM	--	NT
CHROMIUM	--	NT
COBALT	--	NT
COPPER	--	NT
IRON	--	NT
LEAD	--	NT
MAGNESIUM	--	NT
MANGANESE	--	NT
MERCURY	--	NT
NICKEL	--	NT
POTASSIUM	--	NT
SELENIUM	--	NT
SILVER	--	NT
SODIUM	--	NT
THALLIUM	--	NT
VANADIUM	--	NT
ZINC	--	NT

NOTES:
- ug/l Micrograms per liter
- VOCs Volatile Organic Compounds
- SVOCs Semivolatile Organic Compounds
- NT Not tested
- -- Not detected above the Method Detection Limit.

FIGURES



SITE COORDINATES:40°45'16"N 74°1'52"W

U.S.G.S. QUADRANGLE: WEEHAWKEN, NJ

HALEY & ALDRICH

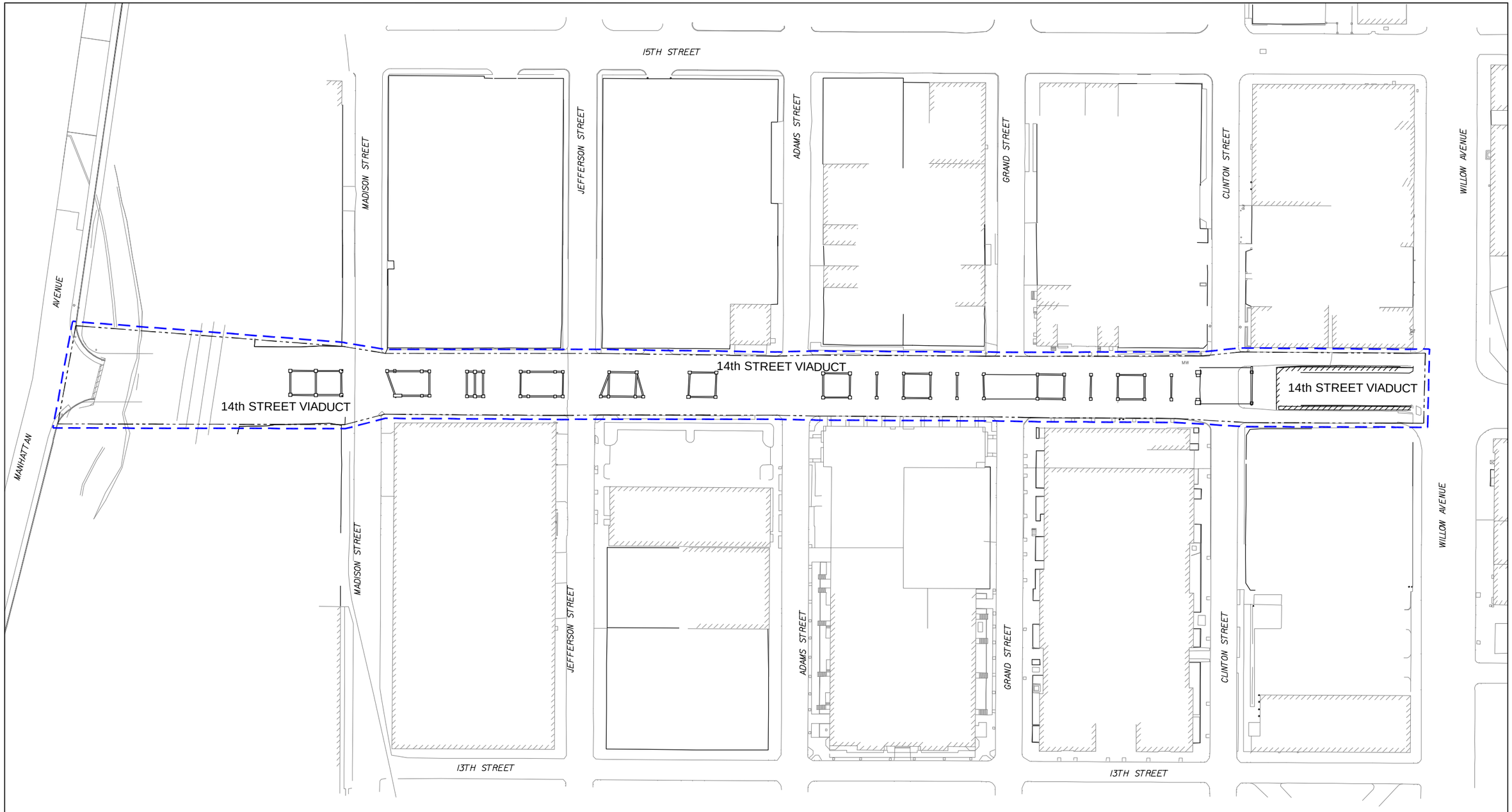
14TH STREET VIADUCT REPLACEMENT
14TH STREET FROM WILLOW AVE (HOBOKEN, NJ)
TO MANHATTAN AVE (UNION CITY, NJ)

PROJECT LOCUS

SCALE: 1:24,000
JUNE 2010

FIGURE 1

36059 1.PDF



LEGEND:

PROPERTY LINE (APPROXIMATE)

SITE BOUNDARY

SOURCE:

SITE PLAN WAS PREPARED FROM A DRAWING FILE NAMED "TOPO_F.DWG" SITE ENTITLED "REPLACEMENT OF 14th STREET VIADUCT HOBOKEN & UNION CITY, HUDSON COUNTY, NEW JERSEY", PREPARED BY TRANSYSTEMS, RECEIVED IN MAY 2010.

N
W E
S

0 60 120 180 240

SCALE IN FEET

HALEY & ALDRICH

14TH STREET VIADUCT REPLACEMENT
14TH STREET FROM WILLOW AVE (HOBOKEN, NJ)
TO MANHATTAN AVE (UNION CITY, NJ)

SITE PLAN

SCALE: AS SHOWN
JULY 2010

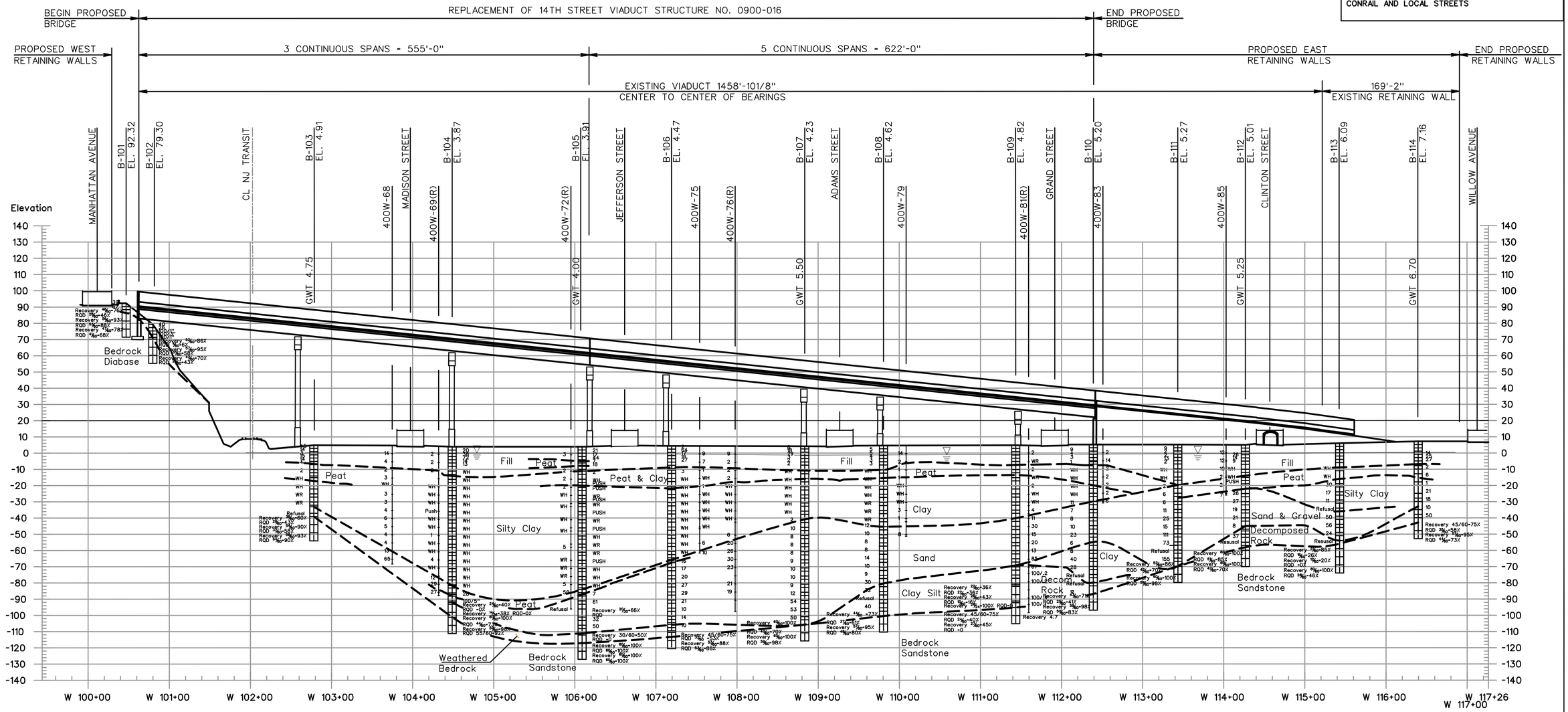
FIGURE 2

G:\36059_TRANSYSTEMS\GLOBAL\CAD\DRAWINGS\36059-004-001D-SITE-PLAN.DWG

STATE	FEDERAL PROJECT NO.	SHEET	TOTAL SHEETS
N.J.	STP-7892 (103)		-

STRUCTURE NO. 0900-016

STRUCTURE NAME - 14TH STREET VIADUCT OVER CONRAIL AND LOCAL STREETS



B-123 BORINGS PERFORMED BY JERSEY BORING AND DRILLING CORP. 2009

400W-12 BORINGS FROM 1984

12 N-VALUE

30' 20' 10' 0 30' 60'
VERTICAL 1"=30'

60' 30' 0 60' 120'
HORIZONTAL 1"=60'

NOTES:

1. GEOLOGIC CROSS-SECTION WAS PREPARED FROM "FIGURE 5 SUBSURFACE PROFILE - NORTH, HUDSON COUNTY, 14th STREET VIADUCT" DRAWING, PREPARED BY TRANSYSTEMS, DATED 6-24-2010.

2. SUBSURFACE PROFILE IS BASED ON SOIL BORINGS B-101 THRU B-114 LOCATED ALONG THE NORTH SIDE OF THE VIADUCT. TEST BORING LOCATIONS ARE SHOWN ON FIGURES 6A AND 6B. THIS PROFILE ILLUSTRATES GENERALIZED SUBSURFACE CONDITIONS.

3. LINES REPRESENTING INTERFACES BETWEEN OR CHANGES WITHIN STRATA ON THE PROFILE ARE BASED UPON INTERPOLATION BETWEEN BORINGS SHOWN ON THE PROFILE AND OTHER AVAILABLE SUBSURFACE INFORMATION. THE INTERFACE LINES ARE INTENDED TO SHOW THE GENERAL SEQUENCE OF STRATA AND MAY NOT REPRESENT ACTUAL SUBSURFACE CONDITIONS.

4. ELEVATIONS ARE IN FEET AND REFERENCED TO NGVD-1929.

HALEY & ALDRICH

14TH STREET VIADUCT REPLACEMENT
14TH STREET FROM MANHATTAN AVE (UNION CITY, NJ)
TO WILLOW AVE (HOBOKEN, NJ)

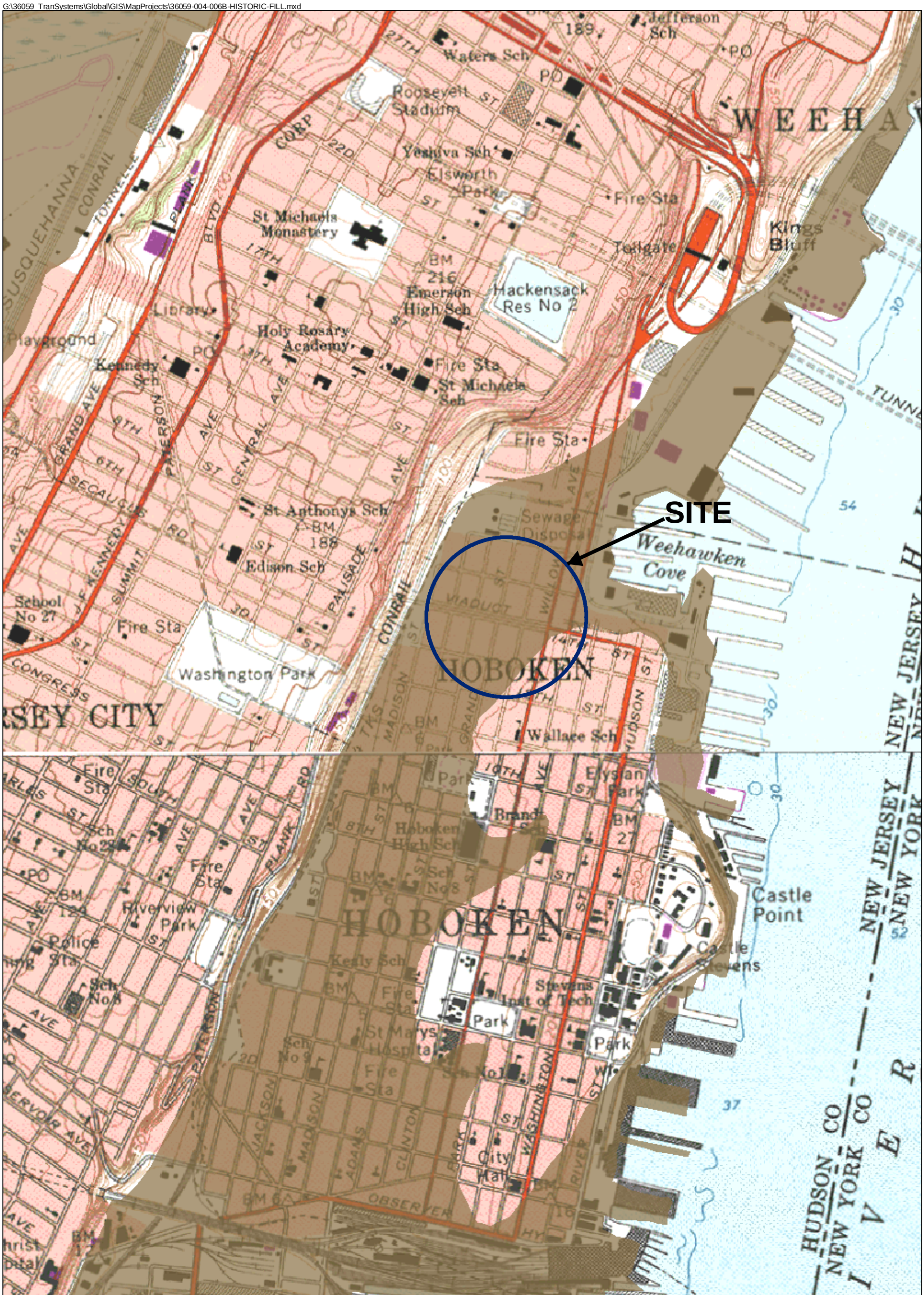
GEOLOGIC CROSS-SECTION

SCALE: AS SHOWN
JULY 2010

FIGURE 3

G:\36059_TRANSYSTEMS\GLOBAL\CAD\DRAWINGS\36059-004-015B-GEOLOG-XSEC.DWG

G:\36059_TranSystems\Global\GIS\MapProjects\36059-004-006B-HISTORIC-FILL.mxd



SOURCE:
NJ DEP, NJ GEOLOGIC SURVEY DIGITAL GEODATA SERIES DGS04-7 HISTORIC FILL FOR NEW JERSEY AS OF FEBRUARY 2009, WEEHAWKEN QUADRANGLE - 2004 AND JERSEY CITY - 2004

LEGEND

HISTORIC FILL

N
W E
S

0 1000 2000
SCALE IN FEET

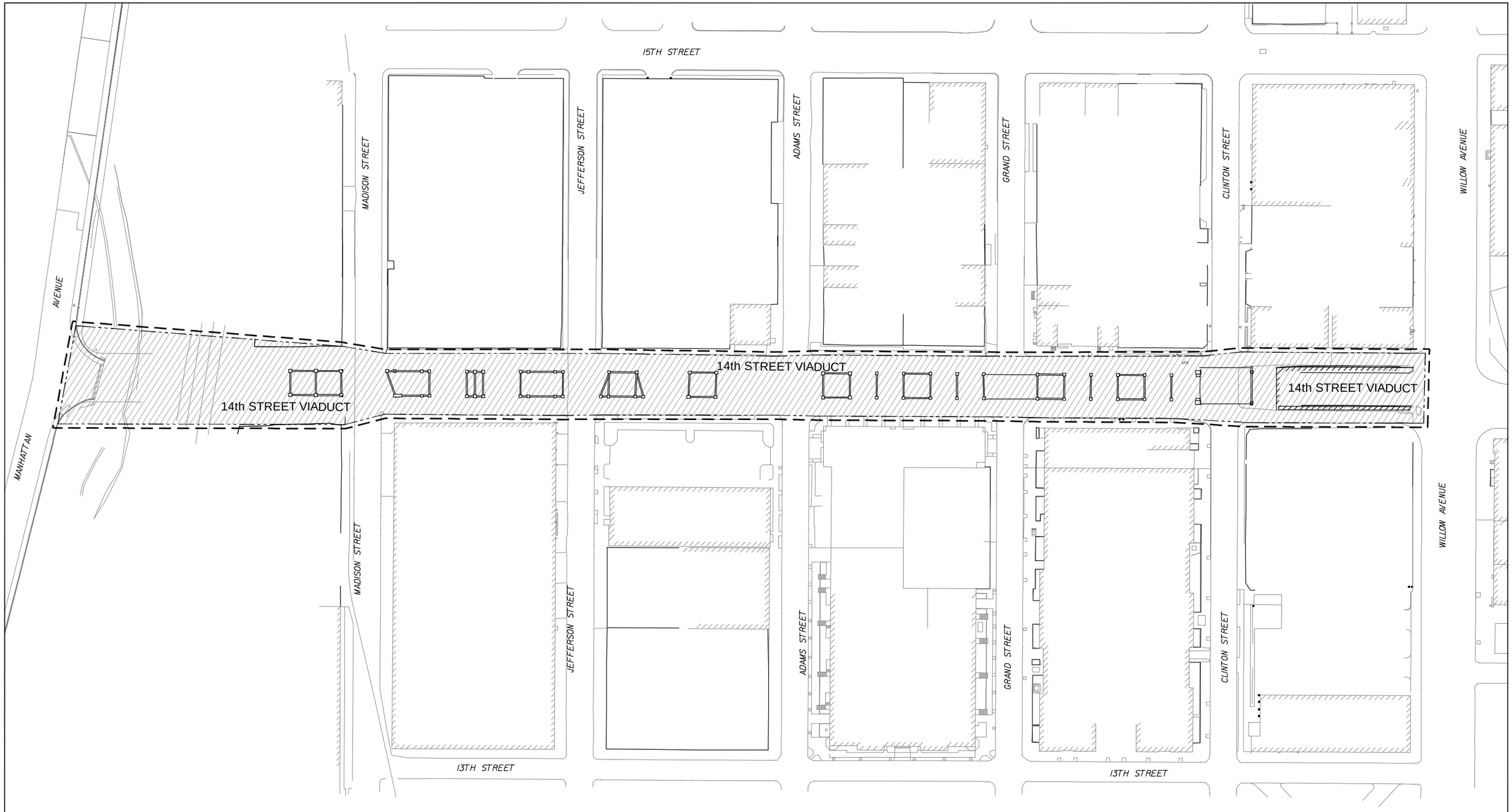
HALEY & ALDRICH

14TH STREET VIADUCT REPLACEMENT
14TH STREET FROM MANHATTAN AVE (UNION CITY, NJ)
TO WILLOW AVE (HOBOKEN, NJ)

NJGS HISTORIC FILL MATERIAL MAP

SCALE: AS SHOWN
JULY 2010

FIGURE 4



LEGEND:

PROPERTY LINE (APPROXIMATE)

SITE BOUNDARY

AOC-1 (HISTORIC FILL MATERIAL)

SOURCE:

AOC PLAN WAS PREPARED FROM A DRAWING FILE NAMED "TOPO_F.DWG" SITE ENTITLED "REPLACEMENT OF 14th STREET VIADUCT HOBOKEN & UNION CITY, HUDSON COUNTY, NEW JERSEY", PREPARED BY TRANSYSTEMS, RECEIVED IN MAY 2010.

N
W E
S

0 60 120 180 240
SCALE IN FEET

HALEY & ALDRICH

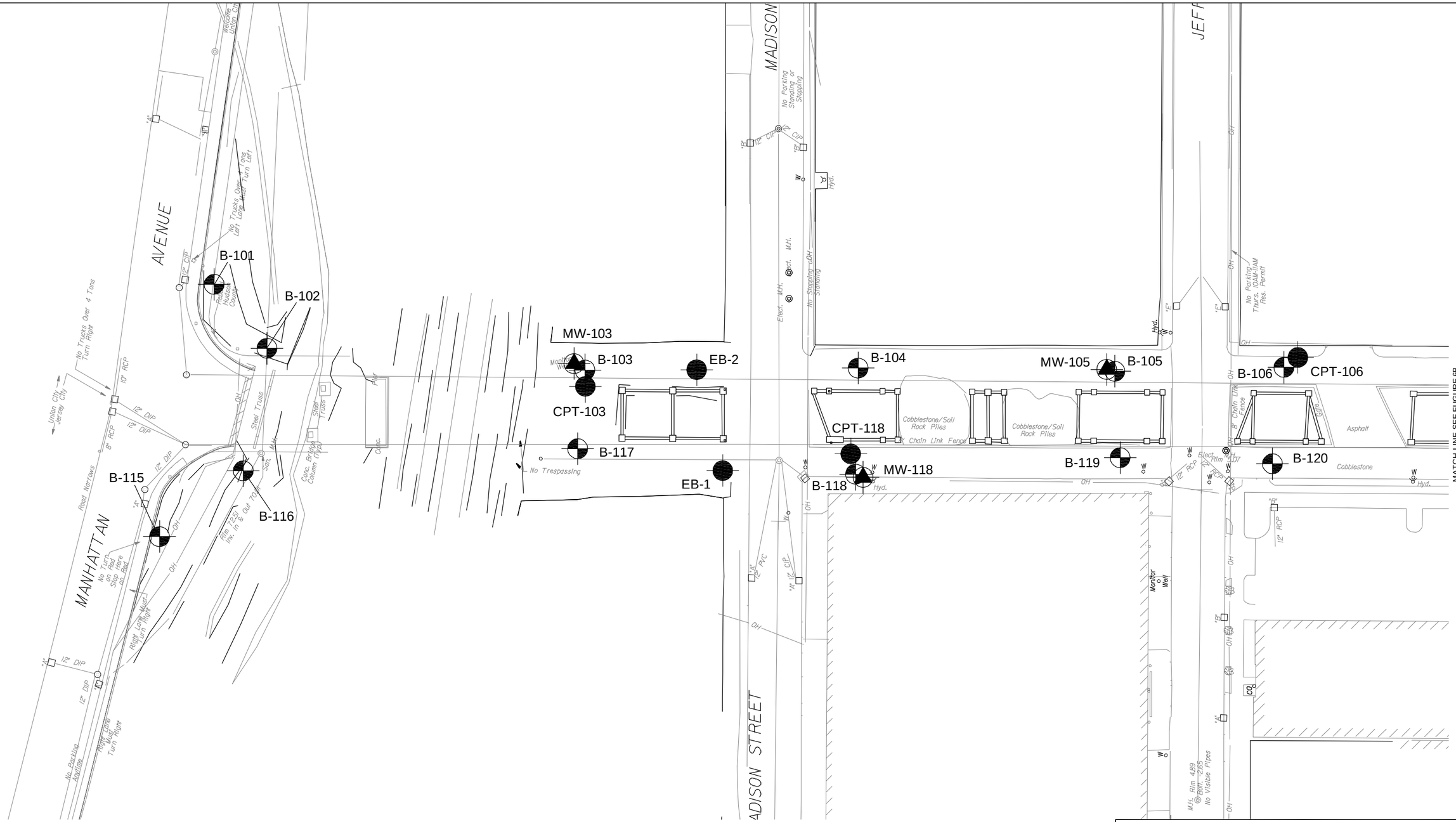
14TH STREET VIADUCT REPLACEMENT
14TH STREET FROM WILLOW AVE (HOBOKEN, NJ)
TO MANHATTAN AVE (UNION CITY, NJ)

AOC PLAN

SCALE: AS SHOWN
JULY 2010

FIGURE 5

G:\36059_TRANSYSTEMS\GLOBAL\CAD\DRAWINGS\36059-004-007D-AOC-PLAN.DWG



LEGEND:

- SOIL BORING LOCATION
- EB (ENVIRONMENTAL BORING) AND CPT (CONE PENETRATION TEST) SAMPLE LOCATION
- MONITORING WELL LOCATION

NOTES:

1. SITE PLAN WAS PREPARED FROM A DRAWING FILE NAMED "TOPO_F.DWG" SITE ENTITLED "REPLACEMENT OF 14th STREET VIADUCT HOBOKEN & UNION CITY, HUDSON COUNTY, NEW JERSEY", PREPARED BY TRANSYSTEMS, RECEIVED IN MAY 2010.

2. AS-DRILLED LOCATIONS OF SOIL BORINGS AND MONITORING WELLS WERE (APPROXIMATELY) DETERMINED IN THE FIELD BY TRANSYSTEMS IN NJ STATE COORDINATE SYSTEM NAD83.

N
W E
S

0 30 60 90 120
SCALE IN FEET

HALEY & ALDRICH

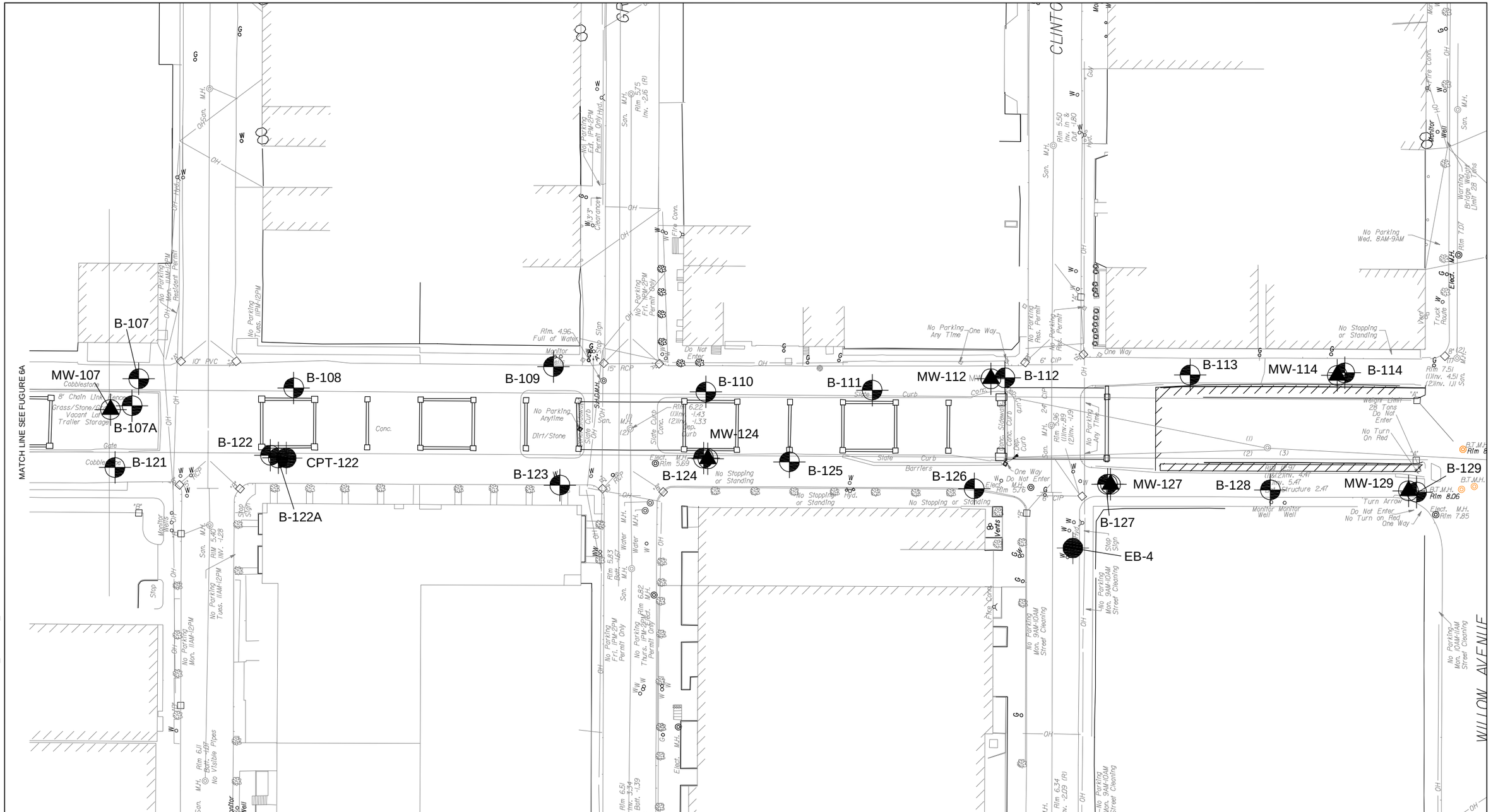
14TH STREET VIADUCT REPLACEMENT
14TH STREET FROM MANHATTAN AVE (UNION CITY, NJ)
TO WILLOW AVE (HOBOKEN, NJ)

SOIL BORING AND MONITORING WELL LOCATION PLAN - WEST

SCALE: AS SHOWN
JULY 2010

FIGURE 6A

G:\36059_TRANSYSTEMS\GLOBAL\CAD\DRAWINGS\36059-004-012B-SB-MW_LOC-PLAN_EAST-WEST.DWG



LEGEND:

- SOIL BORING LOCATION
- EB (ENVIRONMENTAL BORING) AND CPT (CONE PENETRATION TEST) SAMPLE LOCATION
- MONITORING WELL LOCATION

NOTES:

1. SITE PLAN WAS PREPARED FROM A DRAWING FILE NAMED "TOPO_F.DWG" SITE ENTITLED "REPLACEMENT OF 14th STREET VIADUCT HOBOKEN & UNION CITY, HUDSON COUNTY, NEW JERSEY", PREPARED BY TRANSYSTEMS, RECEIVED IN MAY 2010.

2. AS-DRILLED LOCATIONS OF SOIL BORINGS AND MONITORING WELLS WERE (APPROXIMATELY) DETERMINED IN THE FIELD BY TRANSYSTEMS IN NJ STATE COORDINATE SYSTEM NAD83.

N
W E
S

0 30 60 90 120
SCALE IN FEET

HALEY & ALDRICH

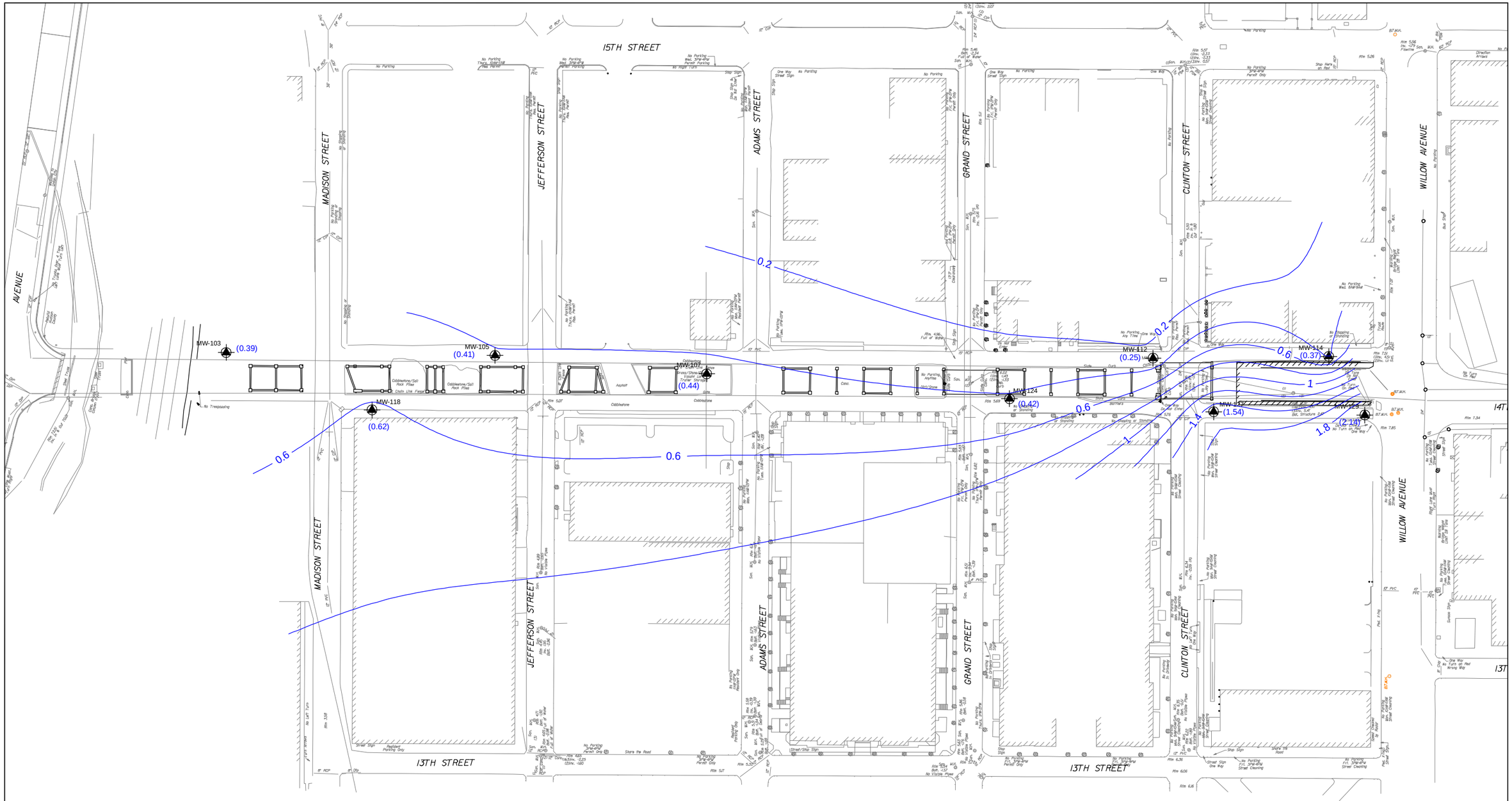
14TH STREET VIADUCT REPLACEMENT
14TH STREET FROM MANHATTAN AVE (UNION CITY, NJ)
TO WILLOW AVE (HOBOKEN, NJ)

SOIL BORING AND MONITORING WELL LOCATION PLAN - EAST

SCALE: AS SHOWN
JULY 2010

FIGURE 6B

G:\36059_TRANSYSTEMS\GLOBAL\CAD\DRAWINGS\36059-004-012B-SB-MW_LOC-PLAN_EAST-WEST.DWG



LEGEND:

MONITORING WELL LOCATION

0.6 GROUNDWATER ELEVATION CONTOUR (CONTOUR INTERVAL : 0.2 FEET)

(0.39) GROUNDWATER ELEVATION FOR WELLS USED TO GENERATE CONTOURS

NOTES:

1. SITE PLAN WAS PREPARED FROM A DRAWING FILE NAMED "TOPO_F.DWG" SITE ENTITLED "REPLACEMENT OF 14th STREET VIADUCT HOBOKEN & UNION CITY, HUDSON COUNTY, NEW JERSEY", PREPARED BY TRANSYSTEMS, RECEIVED IN MAY 2010.

2. GROUNDWATER CONTOURS WERE GENERATED BY USING A COMPUTERIZED KRIGGING ROUTINE.

N
W E
S

0 60 120 180 240
SCALE IN FEET

HALEY & ALDRICH

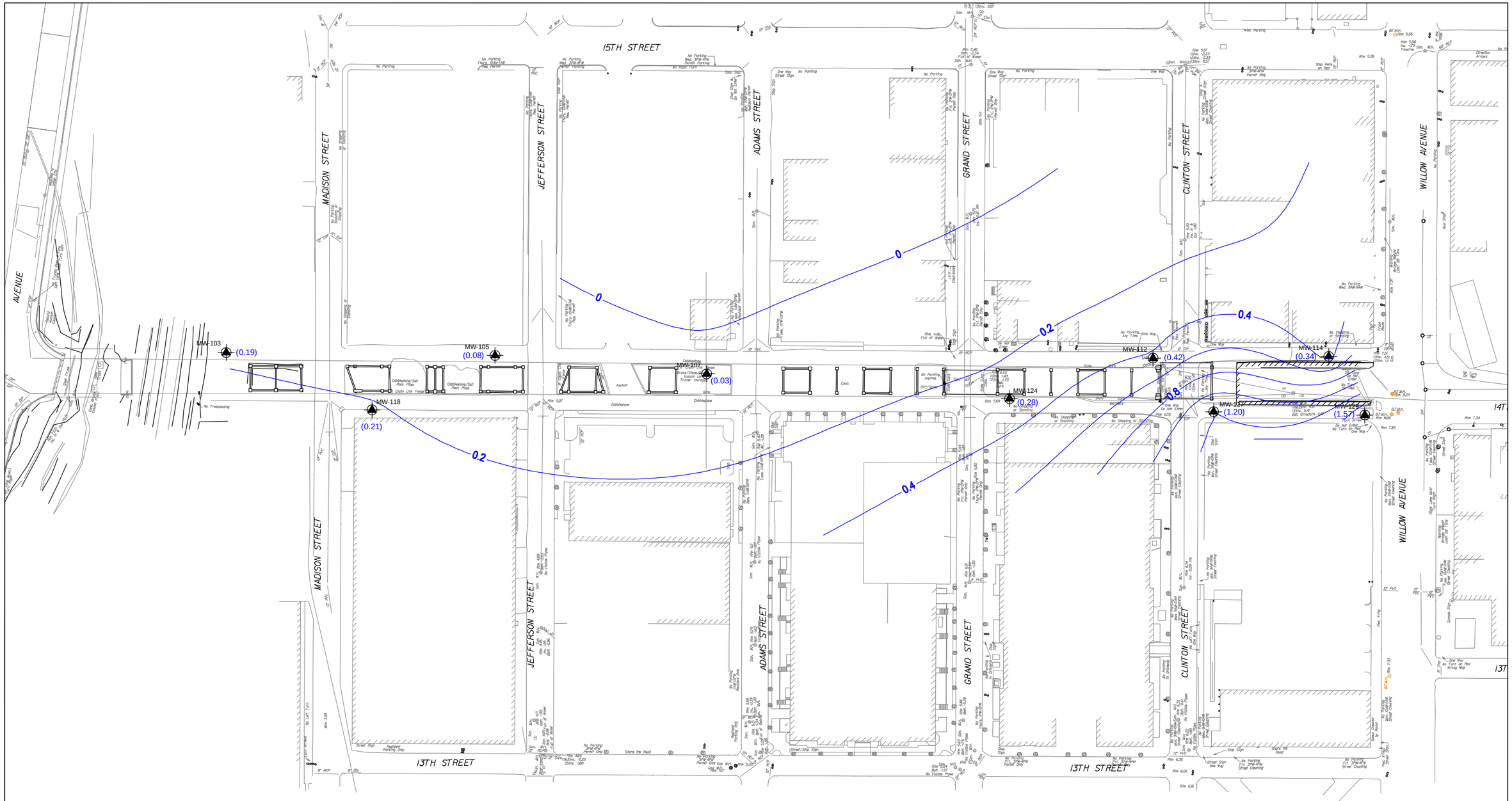
14TH STREET VIADUCT REPLACEMENT
14TH STREET FROM MANHATTAN AVE (UNION CITY, NJ)
TO WILLOW AVE (HOBOKEN, NJ)

GROUNDWATER CONTOUR ELEVATION MAP - 27 JULY 2009

SCALE: AS SHOWN
JULY 2010

FIGURE 7

G:\36059_TRANSYSTEMS\GLOBAL\CAD\DRAWINGS\36059-004-005D-GW-CONT-JUL09.DWG



LEGEND:

MONITORING WELL LOCATION

0.6 — GROUNDWATER ELEVATION CONTOUR (CONTOUR INTERVAL : 0.2 FEET)

(0.39) GROUNDWATER ELEVATION FOR WELLS USED TO GENERATE CONTOURS

NOTES:

1. SITE PLAN WAS PREPARED FROM A DRAWING FILE NAMED "TOPO_F.DWG" SITE ENTITLED "REPLACEMENT OF 14th STREET VIADUCT HOBOKEN & UNION CITY, HUDSON COUNTY, NEW JERSEY", PREPARED BY TRANSYSTEMS, RECEIVED IN MAY 2010.

2. GROUNDWATER CONTOURS WERE GENERATED BY USING A COMPUTERIZED KRIGGING ROUTINE.

N
W E
S

0 60 120 180 240
SCALE IN FEET

HALEY & ALDRICH

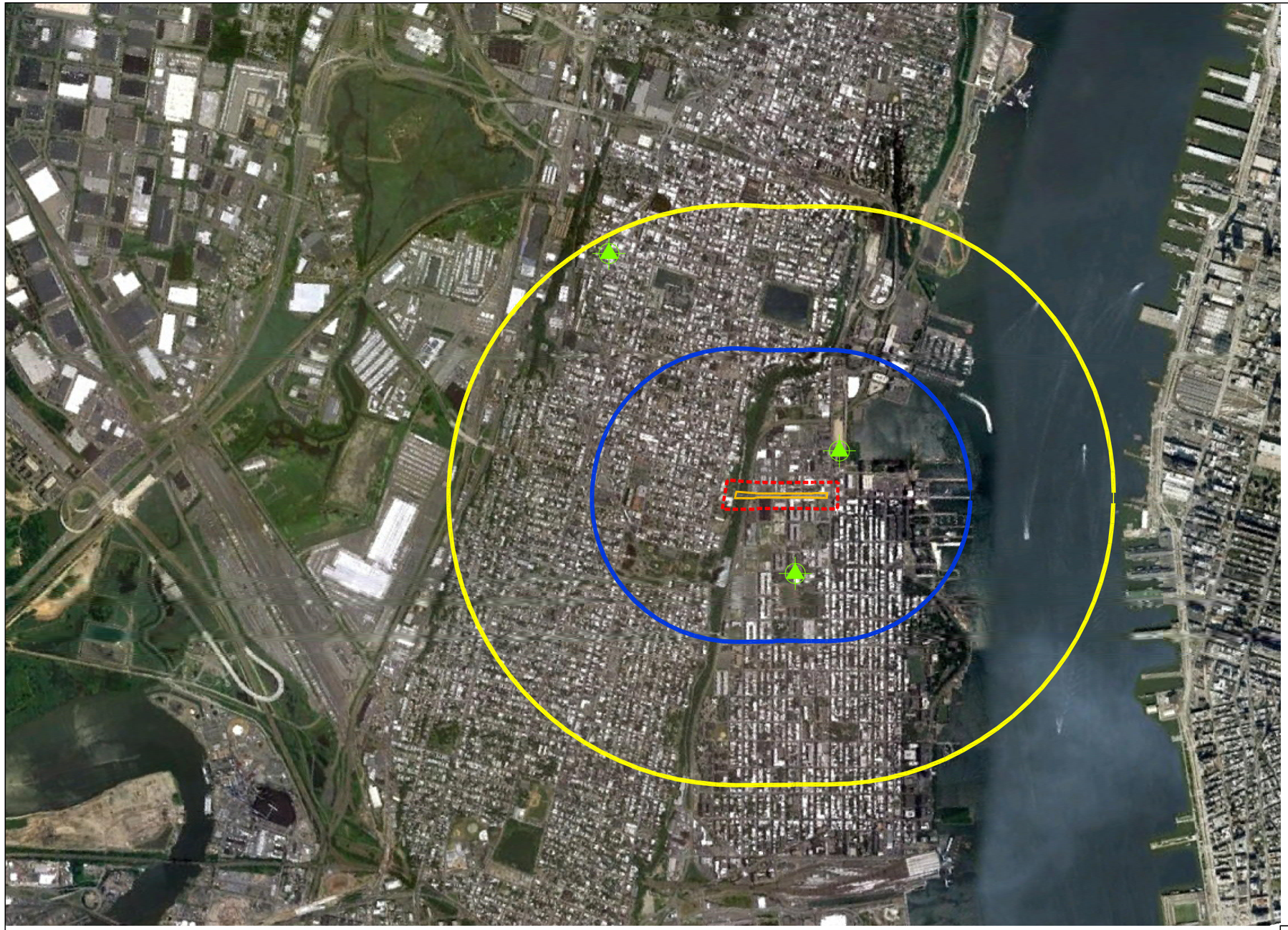
14TH STREET VIADUCT REPLACEMENT
14TH STREET FROM MANHATTAN AVE (UNION CITY, NJ)
TO WILLOW AVE (HOBOKEN, NJ)

GROUNDWATER CONTOUR ELEVATION MAP - 28 MAY 2010

SCALE: AS SHOWN
JULY 2010

FIGURE 8

G:\36059_TRANSYSTEMS\GLOBAL\CAD\DRAWINGS\36059-004-011D-GW-CONT-MAY10.DWG



LEGEND:

- SITE BOUNDARY
- 200 FOOT DISTANCE FROM SITE BOUNDARY
- HALF MILE SITE RADIUS
- 1 MILE SITE RADIUS
- INDUSTRIAL WELL LOCATION

NOTES:

1. SITE PLAN WAS PREPARED FROM A DRAWING FILE NAMED "TOPO_F.DWG" SITE ENTITLED "REPLACEMENT OF 14TH STREET VIADUCT HOBOKEN & UNION CITY, HUDSON COUNTY, NEW JERSEY", PREPARED BY TRANSYSTEMS, RECEIVED IN MAY 2010.

2. LOCATIONS OF RESIDENTIAL PROPERTIES WERE IDETFIFIED THROUGH A REVIEW OF PUBLIC RECORDS AND USING NJDEP i-MAP.

3. AERIAL IMAGE © 2010 GOOGLE EARTH

N
W E
S

0 2000 4000
APPROXIMATE SCALE IN FEET

HALEY & ALDRICH

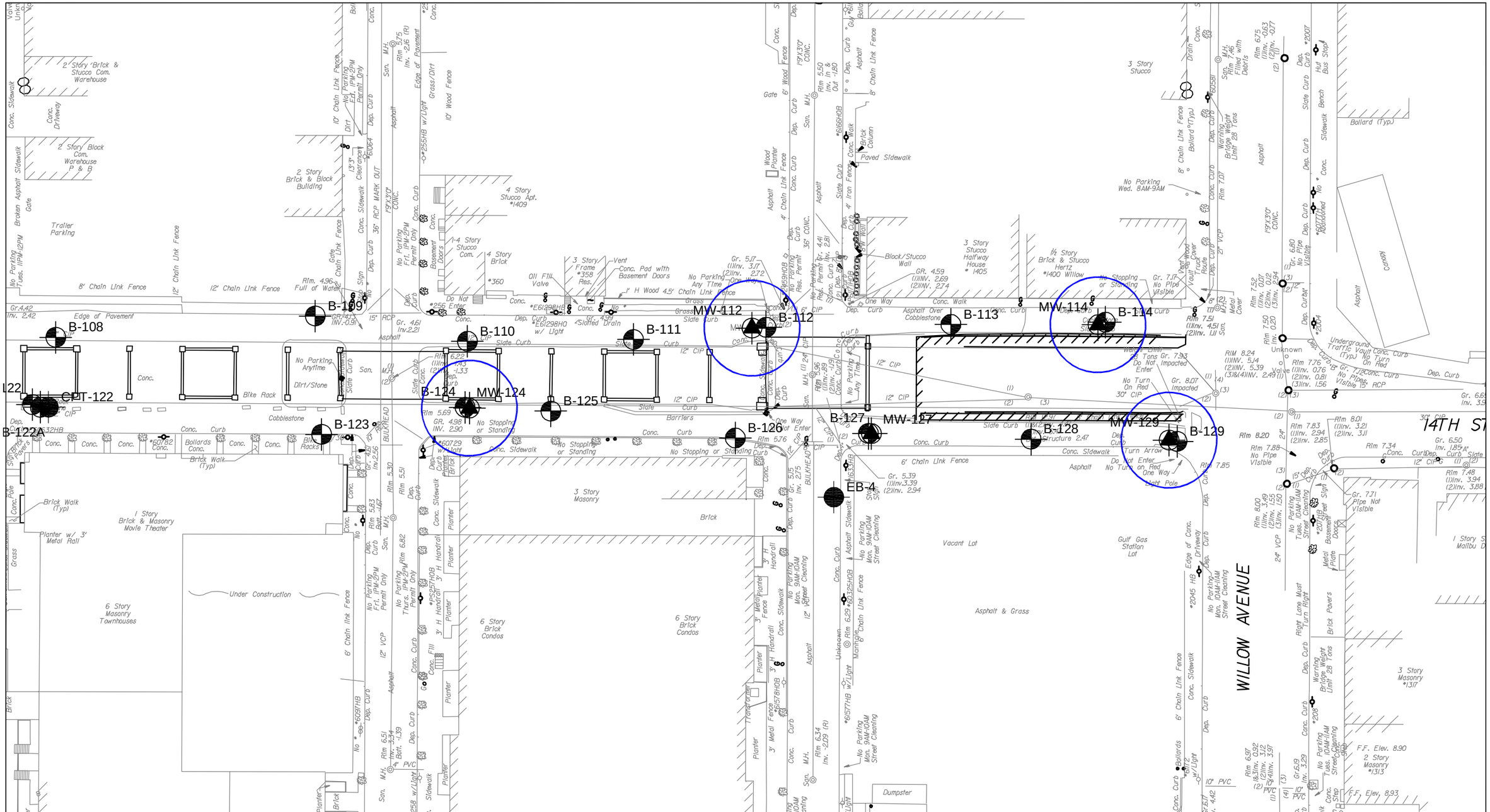
14TH STREET VIADUCT REPLACEMENT
14TH STREET FROM WILLOW AVE (HOBOKEN, NJ)
TO MANHATTAN AVE (UNION CITY, NJ)

WELL SEARCH RESULTS
PROPERTIES

SCALE: AS SHOWN
JULY 2010

FIGURE 9

G:\36059_TRANSYSTEMS\GLOBAL\CAD\DRAWINGS\36059-004-017B-WELL SEARCH.DWG



LEGEND:

- SOIL BORING LOCATION
- EB (ENVIRONMENTAL BORING) AND CPT (CONE PENETRATION TEST) SAMPLE LOCATION
- MONITORING WELL LOCATION
- 30 FOOT DISTANCE CRITERION

NOTES:

1. SITE PLAN WAS PREPARED FROM A DRAWING FILE NAMED "TOPO_F.DWG" SITE ENTITLED "REPLACEMENT OF 14th STREET VIADUCT HOBOKEN & UNION CITY, HUDSON COUNTY, NEW JERSEY", PREPARED BY TRANSYSTEMS, RECEIVED IN MAY 2010.

2. NJDEP VAPOR INTRUSION GUIDANCE (OCTOBER 2005) - THE NJDEP USES A 30 - FOOT DISTANCE CRITERION (HORIZONTAL & VERTICAL) FOR PETROLEUM RELATED GROUNDWATER CONTAMINATION.

N
W E
S

0 30 60 90 120
SCALE IN FEET

HALEY & ALDRICH

14TH STREET VIADUCT REPLACEMENT
14TH STREET FROM MANHATTAN AVE (UNION CITY, NJ)
TO WILLOW AVE (HOBOKEN, NJ)

VAPOR INTRUSION GROUNDWATER SCREENING LEVEL
30-FOOT RADIUS PLAN

SCALE: AS SHOWN
JULY 2010

FIGURE 10

G:\36059_TRANSYSTEMS\GLOBAL\CAD\DRAWINGS\36059-004-009D-VI-GW-SCRNLEVEL-30FT.DWG

G:\36059_TRANSYSTEMS\GLOBAL\CAD\DRAWINGS\36059-004-004D-SO-DBOX-EXCEED-MAY2010.DWG

B-117	06/16/2009 0 - 2 ft.	06/16/2009 4 - 6 ft.
VOCs		
BENZENE	0.0033	ND
TETRACHLOROETHENE	0.00076 J	0.001 J
XYLENE (TOTAL)	ND	ND
SVOCs		
2-METHYLNAPHTHALENE	ND	ND
ACENAPHTHENE	ND	0.074 J
BENZO(A)ANTHRACENE	0.11	1.1
BENZO(A)PYRENE	0.13	1.2
BENZO(B)FLUORANTHENE	0.11	0.84
BENZO(K)FLUORANTHENE	0.13	1.1
DIBENZO(A,H)ANTHRACENE	ND	0.16
INDENO(1,2,3-CD)PYRENE	0.11	0.41
NAPHTHALENE	ND	ND
PCBs		
AROCLOR 1254	ND	ND
AROCLOR 1260	ND	ND
PESTICIDES		
ALPHA-BHC	ND	ND
BETA-BHC	ND	0.0012 J
DIELDRIN	0.0029 J	ND
GAMMA-BHC (LINDANE)	ND	0.001 J
HEPTACHLOR EPOXIDE	ND	ND

B-103	06/15/2009 0 - 2 ft.	06/15/2009 10 - 12 ft.
VOCs		
BENZENE	ND	ND
TETRACHLOROETHENE	ND	ND
XYLENE (TOTAL)	ND	ND
SVOCs		
2-METHYLNAPHTHALENE	ND	ND
ACENAPHTHENE	ND	ND
BENZO(A)ANTHRACENE	0.55	0.14
BENZO(A)PYRENE	0.57	0.19
BENZO(B)FLUORANTHENE	0.83	0.17
BENZO(K)FLUORANTHENE	0.71	0.14
DIBENZO(A,H)ANTHRACENE	ND	ND
INDENO(1,2,3-CD)PYRENE	0.16	0.094
NAPHTHALENE	ND	0.31 J
PCBs		
AROCLOR 1254	ND	ND
AROCLOR 1260	0.052 J	ND
PESTICIDES		
ALPHA-BHC	ND	ND
BETA-BHC	ND	ND
DIELDRIN	0.035	ND
GAMMA-BHC (LINDANE)	ND	ND
HEPTACHLOR EPOXIDE	ND	ND

EB-2	06/17/2009 0 - 2 ft.	06/18/2009 12 - 14 ft.
VOCs		
BENZENE	ND/ND	ND
TETRACHLOROETHENE	ND/ND	ND
XYLENE (TOTAL)	ND/ND	ND
SVOCs		
2-METHYLNAPHTHALENE	0.2 J/ND	ND
ACENAPHTHENE	0.6/0.31 J	ND
BENZO(A)ANTHRACENE	3/3.4	0.11
BENZO(A)PYRENE	2.7/2.9	0.13
BENZO(B)FLUORANTHENE	2.4/2.2	0.089
BENZO(K)FLUORANTHENE	2.7/2.4	0.089
DIBENZO(A,H)ANTHRACENE	ND/0.41	ND
INDENO(1,2,3-CD)PYRENE	0.48 J/1.2	0.067 J
NAPHTHALENE	0.23 J/ND	ND
PCBs		
AROCLOR 1254	ND/ND	ND
AROCLOR 1260	ND/ND	ND
PESTICIDES		
ALPHA-BHC	ND/ND	ND
BETA-BHC	ND/ND	ND
DIELDRIN	0.0035 J/0.0068 J	ND
GAMMA-BHC (LINDANE)	ND/ND	ND
HEPTACHLOR EPOXIDE	ND/ND	ND

B-104	06/15/2009 0 - 4 ft.	06/15/2009 8 - 10 ft.
VOCs		
BENZENE	ND	ND
TETRACHLOROETHENE	ND	ND
XYLENE (TOTAL)	ND	ND
SVOCs		
2-METHYLNAPHTHALENE	ND	ND
ACENAPHTHENE	0.59 J	ND
BENZO(A)ANTHRACENE	5.4	0.069
BENZO(A)PYRENE	3.4	0.057
BENZO(B)FLUORANTHENE	3.4	0.045 J
BENZO(K)FLUORANTHENE	4.1	0.051
DIBENZO(A,H)ANTHRACENE	ND	ND
INDENO(1,2,3-CD)PYRENE	0.99	0.031 J
NAPHTHALENE	ND	ND
PCBs		
AROCLOR 1254	ND	ND
AROCLOR 1260	ND	ND
PESTICIDES		
ALPHA-BHC	0.02	ND
BETA-BHC	ND	ND
DIELDRIN	0.0061 J	0.0022 J
GAMMA-BHC (LINDANE)	ND	ND
HEPTACHLOR EPOXIDE	ND	ND

B-105	06/05/2009 0 - 2 ft.	06/05/2009 4 - 6 ft.
VOCs		
BENZENE	ND/ND	0.0045
TETRACHLOROETHENE	0.00061 J/0.00085 J	ND
XYLENE (TOTAL)	ND/ND	ND
SVOCs		
2-METHYLNAPHTHALENE	0.13 J/0.25 J	ND
ACENAPHTHENE	0.59 J/1.1	ND
BENZO(A)ANTHRACENE	3.3/5	0.19
BENZO(A)PYRENE	3.1/4.3	0.17
BENZO(B)FLUORANTHENE	3.3/5.2	0.19
BENZO(K)FLUORANTHENE	4.1/5	0.14
DIBENZO(A,H)ANTHRACENE	0.38/0.41	ND
INDENO(1,2,3-CD)PYRENE	0.86/1	0.081
NAPHTHALENE	0.24 J/0.56 J	ND
PCBs		
AROCLOR 1254	0.62/0.41 J	ND
AROCLOR 1260	0.4/0.31 J	ND
PESTICIDES		
ALPHA-BHC	0.0049 J/0.0073 J	ND
BETA-BHC	0.002 J/0.0017 J	ND
DIELDRIN	0.019/0.021	0.0018 J
GAMMA-BHC (LINDANE)	ND/ND	ND
HEPTACHLOR EPOXIDE	0.011/0.0048 J	ND

B-106	06/30/2009 0 - 2 ft.	06/30/2009 4 - 6 ft.
VOCs		
BENZENE	0.0013	0.0014
TETRACHLOROETHENE	ND	ND
XYLENE (TOTAL)	0.0032	ND
SVOCs		
2-METHYLNAPHTHALENE	ND	ND
ACENAPHTHENE	ND	ND
BENZO(A)ANTHRACENE	0.097	0.21
BENZO(A)PYRENE	0.13	0.24
BENZO(B)FLUORANTHENE	0.17	0.28
BENZO(K)FLUORANTHENE	0.042	0.11
DIBENZO(A,H)ANTHRACENE	0.0093 J	0.036 J
INDENO(1,2,3-CD)PYRENE	0.12	0.16
NAPHTHALENE	ND	ND
PCBs		
AROCLOR 1254	0.34 J	0.041 J
AROCLOR 1260	ND	ND
PESTICIDES		
ALPHA-BHC	ND	ND
BETA-BHC	ND	ND
DIELDRIN	0.0033 J	0.0025 J
GAMMA-BHC (LINDANE)	ND	ND
HEPTACHLOR EPOXIDE	ND	ND

B-107	06/05/2009 0 - 2 ft.	06/05/2009 4 - 6 ft.
VOCs		
BENZENE	ND	ND
TETRACHLOROETHENE	ND	ND
XYLENE (TOTAL)	ND	ND
SVOCs		
2-METHYLNAPHTHALENE	0.098 J	0.092 J
ACENAPHTHENE	0.15 J	0.25 J
BENZO(A)ANTHRACENE	2.1	0.25
BENZO(A)PYRENE	1.9	0.2
BENZO(B)FLUORANTHENE	1.8	0.17
BENZO(K)FLUORANTHENE	1.7	0.15
DIBENZO(A,H)ANTHRACENE	0.31	ND
INDENO(1,2,3-CD)PYRENE	0.67	0.1
NAPHTHALENE	0.15 J	0.59
PCBs		
AROCLOR 1254	ND	ND
AROCLOR 1260	ND	ND
PESTICIDES		
ALPHA-BHC	ND	ND
BETA-BHC	0.0021 J	ND
DIELDRIN	ND	ND
GAMMA-BHC (LINDANE)	ND	ND
HEPTACHLOR EPOXIDE	ND	ND

B-109	06/29/2009 0 - 2 ft.	06/29/2009 10 - 12 ft.
VOCs		
BENZENE	ND	ND
TETRACHLOROETHENE	ND	ND
XYLENE (TOTAL)	ND	0.0017 J
SVOCs		
2-METHYLNAPHTHALENE	0.088 J	ND
ACENAPHTHENE	0.38 J	ND
BENZO(A)ANTHRACENE	2.1	0.24
BENZO(A)PYRENE	2	0.27
BENZO(B)FLUORANTHENE	0.63	0.15
BENZO(K)FLUORANTHENE	1.6	0.23
DIBENZO(A,H)ANTHRACENE	ND	ND
INDENO(1,2,3-CD)PYRENE	0.53	0.079
NAPHTHALENE	0.15 J	ND
PCBs		
AROCLOR 1254	ND	0.19
AROCLOR 1260	ND	0.19
PESTICIDES		
ALPHA-BHC	ND	ND
BETA-BHC	ND	ND
DIELDRIN	0.0027 J	0.0086 J
GAMMA-BHC (LINDANE)	ND	ND
HEPTACHLOR EPOXIDE	ND	ND

B-110	06/18/2009 10 - 12 ft.
VOCs	
BENZENE	0.11 J
TETRACHLOROETHENE	ND
XYLENE (TOTAL)	0.25 J
SVOCs	
2-METHYLNAPHTHALENE	ND
ACENAPHTHENE	13
BENZO(A)ANTHRACENE	3.8
BENZO(A)PYRENE	2.3
BENZO(B)FLUORANTHENE	0.77
BENZO(K)FLUORANTHENE	1.2
DIBENZO(A,H)ANTHRACENE	ND
INDENO(1,2,3-CD)PYRENE	0.49
NAPHTHALENE	ND
PCBs	
AROCLOR 1254	ND
AROCLOR 1260	ND
PESTICIDES	
ALPHA-BHC	ND
BETA-BHC	0.0038 J
DIELDRIN	ND
GAMMA-BHC (LINDANE)	ND
HEPTACHLOR EPOXIDE	ND

B-111	06/30/2009 1.5 - 4 ft.
VOCs	
BENZENE	ND
TETRACHLOROETHENE	ND
XYLENE (TOTAL)	ND
SVOCs	
2-METHYLNAPHTHALENE	ND
ACENAPHTHENE	ND
BENZO(A)ANTHRACENE	0.037 J
BENZO(A)PYRENE	0.028 J
BENZO(B)FLUORANTHENE	0.031 J
BENZO(K)FLUORANTHENE	0.015 J
DIBENZO(A,H)ANTHRACENE	ND
INDENO(1,2,3-CD)PYRENE	0.013 J
NAPHTHALENE	ND
PCBs	
AROCLOR 1254	ND
AROCLOR 1260	ND
PESTICIDES	
ALPHA-BHC	ND
BETA-BHC	ND
DIELDRIN	ND
GAMMA-BHC (LINDANE)	ND
HEPTACHLOR EPOXIDE	ND

B-112	06/24/2009 0 - 2 ft.	06/25/2009 6 - 8 ft.
VOCs		
BENZENE	ND	0.0027
TETRACHLOROETHENE	ND	ND
XYLENE (TOTAL)	ND	0.0034
SVOCs		
2-METHYLNAPHTHALENE	ND	1.5
ACENAPHTHENE	ND	12
BENZO(A)ANTHRACENE	0.23	5.6
BENZO(A)PYRENE	0.4	8
BENZO(B)FLUORANTHENE	0.43	6.7
BENZO(K)FLUORANTHENE	0.17	2.6
DIBENZO(A,H)ANTHRACENE	0.055	1.3
INDENO(1,2,3-CD)PYRENE	0.26	4.6
NAPHTHALENE	ND	1.8
PCBs		
AROCLOR 1254	ND	ND
AROCLOR 1260	0.046 J	ND
PESTICIDES		
ALPHA-BHC	ND	0.023 J
BETA-BHC	ND	ND
DIELDRIN	ND	0.0032 J
GAMMA-BHC (LINDANE)	ND	ND
HEPTACHLOR EPOXIDE	ND	ND

MW-114	06/24/2009 0 - 2 ft.
VOCs	
BENZENE	ND
TETRACHLOROETHENE	ND
XYLENE (TOTAL)	ND
SVOCs	
2-METHYLNAPHTHALENE	ND
ACENAPHTHENE	ND
BENZO(A)ANTHRACENE	ND
BENZO(A)PYRENE	ND
BENZO(B)FLUORANTHENE	ND
BENZO(K)FLUORANTHENE	ND
DIBENZO(A,H)ANTHRACENE	ND
INDENO(1,2,3-CD)PYRENE	ND
NAPHTHALENE	ND
PCBs	
AROCLOR 1254	ND
AROCLOR 1260	ND
PESTICIDES	
ALPHA-BHC	ND
BETA-BHC	ND
DIELDRIN	0.0021 J
GAMMA-BHC (LINDANE)	ND
HEPTACHLOR EPOXIDE	ND

B-114	06/24/2009 6 - 8 ft.
VOCs	
BENZENE	0.0011
TETRACHLOROETHENE	ND
XYLENE (TOTAL)	0.0012 J
SVOCs	
2-METHYLNAPHTHALENE	6.3
ACENAPHTHENE	12
BENZO(A)ANTHRACENE	27
BENZO(A)PYRENE	25
BENZO(B)FLUORANTHENE	26
BENZO(K)FLUORANTHENE	12
DIBENZO(A,H)ANTHRACENE	2.9
INDENO(1,2,3-CD)PYRENE	12
NAPHTHALENE	9.2
PCBs	
AROCLOR 1254	ND
AROCLOR 1260	ND
PESTICIDES	
ALPHA-BHC	ND
BETA-BHC	ND
DIELDRIN	ND
GAMMA-BHC (LINDANE)	ND
HEPTACHLOR EPOXIDE	ND

EB-1	06/18/2009 0 - 2 ft.	06/18/2009 6 - 8 ft.
VOCs		
BENZENE	ND	0.0011 J
TETRACHLOROETHENE	0.0017	0.00063 J
XYLENE (TOTAL)	ND	ND
SVOCs		
2-METHYLNAPHTHALENE	ND	ND
ACENAPHTHENE	ND	ND
BENZO(A)ANTHRACENE	0.27	1.4
BENZO(A)PYRENE	0.36	1.6
BENZO(B)FLUORANTHENE	0.25	1.3
BENZO(K)FLUORANTHENE	0.34	1.6
DIBENZO(A,H)ANTHRACENE	ND	ND
INDENO(1,2,3-CD)PYRENE	0.24	0.49
NAPHTHALENE	ND	0.094 J
PCBs		
AROCLOR 1254	ND	ND
AROCLOR 1260	ND	ND
PESTICIDES		
ALPHA-BHC	ND	0.0037 J
BETA-BHC	ND	ND
DIELDRIN	0.058	ND
GAMMA-BHC (LINDANE)	ND	0.0018 J
HEPTACHLOR EPOXIDE	ND	ND

MOST STRINGENT SRS FOR SOIL

COMPOUND	ACTION LEVEL	UNITS
2-METHYLNAPHTHALENE	5	mg/kg
4,4-DDD	3	mg/kg
4,4-DDE	2	mg/kg
4,4-DDT	2	mg/kg
ACENAPHTHENE	74	mg/kg
ACENAPHTHYLENE	300000	mg/kg
ACETONE	12	mg/kg
ALDRIN	0.04	mg/kg
ALPHA-BHC	0.002	mg/kg
ALUMINUM	3900	mg/kg
ANTHRACENE	1500	mg/kg
ANTIMONY	6	mg/kg
AROCLOR 1242	0.2	mg/kg
AROCLOR 1254	0.2	mg/kg
AROCLOR 1260	0.2	mg/kg
ARSENIC	19	mg/kg
BARIUM	1300	mg/kg
BENZENE	0.005	mg/kg
BENZO(A)ANTHRACENE	0.5	mg/kg
BENZO(A)PYRENE	0.2	mg/kg
BENZO(B)FLUORANTHENE	0.6	mg/kg
BENZO(G,H,I)PERYLENE	30000	mg/kg
BENZO(K)FLUORANTHENE	6	mg/kg
BERYLLIUM	0.5	mg/kg
BETA-BHC	0.002	mg/kg
BIS(2-ETHYLHEXYL)PHTHALATE	35	mg/kg
BUTYL BENZYL PHTHALATE	150	mg/kg
CADMIUM	1	mg/kg
CARBAZOLE	24	mg/kg
CARBON DISULFIDE	4	mg/kg
CHLOROBENZENE	0.4	mg/kg
CHLOROFORM	0.2	mg/kg
CHRYSENE	52	mg/kg
CIS-1,2-DICHLOROETHENE	0.2	mg/kg
COBALT	59	mg/kg
COPPER	3100	mg/kg
DIBENZO(A,H)ANTHRACENE	0.2	mg/kg
DIELDRIN	0.003	mg/kg
DI-N-OCTYL PHTHALATE	2400	mg/kg
ENDOSULFAN I	2	mg/kg
ENDOSULFAN II	2	mg/kg
ENDOSULFAN SULFATE	1	mg/kg
ENDRIN	0.6	mg/kg
ETHYLBENZENE	8	mg/kg
FLUORANTHENE	840	mg/kg
FLUORENE	110	mg/kg
GAMMA-BHC (LINDANE)	0.002	mg/kg
HEPTACHLOR	0.1	mg/kg
HEPTACHLOR EPOXIDE	0.009	mg/kg
INDENO(1,2,3-CD)PYRENE	0.6	mg/kg
LEAD	59	mg/kg
MANGANESE	42	mg/kg
MERCURY	0.1	mg/kg
METHOXYCHLOR	100	mg/kg
METHYL ETHYL KETONE	0.6	mg/kg
NAPHTHALENE	6	mg/kg
NICKEL	31	mg/kg
PHENANTHRENE	300000	mg/kg
PYRENE	550	mg/kg
SELENIUM	7	mg/kg
SILVER	1	mg/kg
STYRENE	2	mg/kg
TETRACHLOROETHENE	0.005	mg/kg
TOLUENE	4	mg/kg
TOTAL PETROLEUM HYDROCARBONS	10000	mg/kg
TRICHLOROETHENE	0.007	mg/kg
VANADIUM	78	mg/kg
VINYL CHLORIDE	0.005	mg/kg
XYLENE (TOTAL)	12	mg/kg
ZINC	600	mg/kg

B-118	06/16/2009 0 - 2 ft.	06/16/2009 4 - 6 ft.
VOCs		
BENZENE	ND	ND
TETRACHLOROETHENE	ND	ND
XYLENE (TOTAL)	ND	ND
SVOCs		
2-METHYLNAPHTHALENE	ND	0.15 J
ACENAPHTHENE	ND	1.2
BENZO(A)ANTHRACENE	0.33	2.9
BENZO(A)PYRENE	0.38	2.6
BENZO(B)FLUORANTHENE	0.49	2
BENZO(K)FLUORANTHENE	0.47	2.1
DIBENZO(A,H)ANTHRACENE	ND	ND
INDENO(1,2,3-CD)PYRENE	0.11	0.97
NAPHTHALENE	ND	0.22 J
PCBs		
AROCLOR 1254	ND	ND
AROCLOR 1260	0.1	ND
PESTICIDES		
ALPHA-BHC	0.0041 J	ND
BETA-BHC	ND	0.0025 J
DIELDRIN	0.0075 J	ND
GAMMA-BHC (LINDANE)	ND	ND
HEPTACHLOR EPOXIDE	0.0024 J	ND

B-119	07/02/2009 1 - 2 ft.	07/02/2009 4 - 6 ft.
VOCs		
BENZENE	ND	0.0017
TETRACHLOROETHENE	ND	ND
XYLENE (TOTAL)	ND	ND
SVOCs		
2-METHYLNAPHTHALENE	ND	0.13 J
ACENAPHTHENE	ND	0.8 J
BENZO(A)ANTHRACENE	0.099	4
BENZO(A)PYRENE	0.15	5.4
BENZO(B)FLUORANTHENE	0.12	3.3
BENZO(K)FLUORANTHENE	0.13	5.5
DIBENZO(A,H)ANTHRACENE	ND	ND
INDENO(1,2,3-CD)PYRENE	0.052	1.3
NAPHTHALENE	ND	0.62 J
PCBs		
AROCLOR 1254	ND	ND
AROCLOR 1260	ND	ND
PESTICIDES		
ALPHA-BHC	ND	ND
BETA-BHC	ND	ND
DIELDRIN	ND	ND
GAMMA-BHC (LINDANE)	ND	ND
HEPTACHLOR EPOXIDE	ND	ND

B-122	06/05/2009 0 - 2 ft.	06/05/2009 4 - 6 ft.
VOCs		
BENZENE	ND	ND
TETRACHLOROETHENE	ND	ND
XYLENE (TOTAL)	ND	ND
SVOCs		
2-METHYLNAPHTHALENE	ND	ND
ACENAPHTHENE	0.11 J	ND
BENZO(A)ANTHRACENE	1.1 J	0.54
BENZO(A)PYRENE	1	0.55
BENZO(B)FLUORANTHENE	0.97	0.42
BENZO(K)FLUORANTHENE	0.97	0.43
DIBENZO(A,H)ANTHRACENE	ND	ND
INDENO(1,2,3-CD)PYRENE	0.42	0.23
NAPHTHALENE	ND	0.082 J
PCBs		
AROCLOR 1254	ND	ND
AROCLOR 1260	ND	ND
PESTICIDES		
ALPHA-BHC	0.0045 J	ND
BETA-BHC	ND	ND
DIELDRIN	0.0032 J	ND
GAMMA-BHC (LINDANE)	0.024	ND
HEPTACHLOR EPOXIDE	ND	ND

B-123	06/10/2009 2 - 4 ft.	06/10/2009 6 - 8 ft.	06/10/2009 65 - 67 ft.
VOCs			
BENZENE	ND	ND	0.42
TETRACHLOROETHENE	0.17	0.00038 J	ND
XYLENE (TOTAL)	ND	ND	4
SVOCs			
2-METHYLNAPHTHALENE	0.074 J	ND	57
ACENAPHTHENE	ND	0.85 J	10
BENZO(A)ANTHRACENE	0.24	12	3
BENZO(A)PYRENE	0.41	22	1.8
BENZO(B)FLUORANTHENE	0.28	18	0.63
BENZO(K)FLUORANTHENE	0.29	19	1
DIBENZO(A,H)ANTHRACENE	ND	ND	ND
INDENO(1,2,3-CD)PYRENE	0.2	5.2	0.52
NAPHTHALENE	0.12 J	0.41 J	82
PCBs			
AROCLOR 1254	ND	ND	ND
AROCLOR 1260	ND	ND	ND
PESTICIDES			
ALPHA-BHC	ND	ND	ND
BETA-BHC	ND	ND	ND
DIELDRIN	ND	ND	ND
GAMMA-BHC (LINDANE)	ND	ND	ND
HEPTACHLOR EPOXIDE	ND	ND	ND

MW-124	07/07/2009 0.5 - 2 ft.	07/07/2009 8 - 10 ft.
VOCs		
BENZENE	0.0054	0.2
TETRACHLOROETHENE	ND	ND
XYLENE (TOTAL)	ND	0.25 J
SVOCs		
2-METHYLNAPHTHALENE	0.092 J	360
ACENAPHTHENE	0.27 J	120
BENZO(A)ANTHRACENE	2.7	21
BENZO(A)PYRENE	5.1	16
BENZO(B)FLUORANTHENE	3	6.2
BENZO(K)FLUORANTHENE	5.3	11
DIBENZO(A,H)ANTHRACENE	ND	1.5 J
INDENO(1,2,3-CD)PYRENE	1.4	2.6
NAPHTHALENE	0.16 J	4.8 J
PCBs		
AROCLOR 1254	ND	ND
AROCLOR 1260	ND	ND
PESTICIDES		
ALPHA-BHC	ND	ND
BETA-BHC	ND	0.057 J
DIELDRIN	ND	ND
GAMMA-BHC (LINDANE)	ND	0.04 J
HEPTACHLOR EPOXIDE	ND	ND

B-125	07/02/2009 0 - 2 ft.	07/02/2009 8 - 12 ft.
VOCs		
BENZENE	0.0015	1.9
TETRACHLOROETHENE	ND	ND
XYLENE (TOTAL)	ND	0.5 J
SVOCs		
2-METHYLNAPHTHALENE	0.17 J	12
ACENAPHTHENE	0.091 J	11
BENZO(A)ANTHRACENE	0.58	6
BENZO(A)PYRENE	1.3	7.2
BENZO(B)FLUORANTHENE	0.94	3
BENZO(K)FLUORANTHENE	1.3	4.8
DIBENZO(A,H)ANTHRACENE	0.19	ND
INDENO(1,2,3-CD)PYRENE	0.53	2.5
NAPHTHALENE	0.29 J	8.8
PCBs		
AROCLOR 1254	ND	ND
AROCLOR 1260	ND	ND
PESTICIDES		
ALPHA-BHC	ND	ND
BETA-BHC	ND	0.0062 J
DIELDRIN	ND	ND
GAMMA-BHC (LINDANE)	ND	0.0015 J
HEPTACHLOR EPOXIDE	ND	ND

B-126	06/25/2009 0 - 2 ft.	06/25/2009 6 - 8 ft.
VOCs		
BENZENE	ND	0.0024
TETRACHLOROETHENE	ND	ND
XYLENE (TOTAL)	ND	ND
SVOCs		
2-METHYLNAPHTHALENE	ND	0.29 J
ACENAPHTHENE	ND	1.5
BENZO(A)ANTHRACENE	0.59	11
BENZO(A)PYRENE	0.6	18
BENZO(B)FLUORANTHENE	0.72	17
BENZO(K)FLUORANTHENE	0.28	7.7
DIBENZO(A,H)ANTHRACENE	0.099	2.9
INDENO(1,2,3-CD)PYRENE	0.38	12
NAPHTHALENE	ND	0.74 J
PCBs		
AROCLOR 1254	ND	ND
AROCLOR 1260	ND	ND
PESTICIDES		
ALPHA-BHC	ND	ND
BETA-BHC	ND	ND
DIELDRIN	ND	ND
GAMMA-BHC (LINDANE)	ND	ND
HEPTACHLOR EPOXIDE	ND	ND

EB-4	07/02/2009 0.5 - 2 ft.	07/02/2009 4 - 6 ft.
VOCs		
BENZENE	ND	3.8 J
TETRACHLOROETHENE	ND	ND
XYLENE (TOTAL)	ND	22 J
SVOCs		
2-METHYLNAPHTHALENE	ND	490
ACENAPHTHENE	ND	120 J
BENZO(A)ANTHRACENE	0.084	22
BENZO(A)PYRENE	0.12	18 J
BENZO(B)FLUORANTHENE	0.074	4.8 J
BENZO(K)FLUORANTHENE	0.12	ND
DIBENZO(A,H)ANTHRACENE	ND	ND
INDENO(1,2,3-CD)PYRENE	0.075	ND
NAPHTHALENE	0.15 J	2200
PCBs		
AROCLOR 1254	ND	ND
AROCLOR 1260	ND	ND
PESTICIDES		
ALPHA-BHC	ND	ND
BETA-BHC	ND	0.0071 J
DIELDRIN	ND	0.0049 J
GAMMA-BHC (LINDANE)	0.0036 J	ND
HEPTACHLOR EPOXIDE	ND	ND

B-127	06/22/2009 0 - 2 ft.	06/22/2009 4 - 6 ft.
VOCs		
BENZENE	ND/0.0017	0.0076
TETRACHLOROETHENE	ND/ND	ND
XYLENE (TOTAL)	ND/ND	0.0014 J
SVOCs		
2-METHYLNAPHTHALENE	ND/ND	0.45 J
ACENAPHTHENE	ND/ND	7.8
BENZO(A)ANTHRACENE	0.02 J/0.41	3.4
BENZO(A)PYRENE	0.018 J/0.55	4.9
BENZO(B)FLUORANTHENE	0.033 J/0.44	3.5
BENZO(K)FLUORANTHENE	ND/0.59	5.3
DIBENZO(A,H)ANTHRACENE	ND/0.072	0.42
INDENO(1,2,3-CD)PYRENE	0.01 J/0.19	1.4
NAPHTHALENE	ND/0.11 J	6.1
PCBs		
AROCLOR 1254	ND/ND	ND
AROCLOR 1260	ND/ND	ND
PESTICIDES		
ALPHA-BHC	ND/ND	ND
BETA-BHC	ND/ND	0.0029 J
DIELDRIN	ND/0.0025 J	ND
GAMMA-BHC (LINDANE)	ND/0.0016 J	0.0013 J
HEPTACHLOR EPOXIDE	ND/ND	ND

B-128	06/22/2009 0 - 2 ft.	06/22/2009 4 - 6 ft.
VOCs		
BENZENE	ND	ND/ND
TETRACHLOROETHENE	ND	ND/ND
XYLENE (TOTAL)	ND	ND/ND
SVOCs		
2-METHYLNAPHTHALENE	ND	ND/0.065 J
ACENAPHTHENE	ND	0.4 J/0.16 J
BENZO(A)ANTHRACENE	0.59	6 J/2.1
BENZO(A)PYRENE	0.8	9 J/3.4
BENZO(B)FLUORANTHENE	0.76	6.7 J/2.7
BENZO(K)FLUORANTHENE	0.83	8.1 J/3.7
DIBENZO(A,H)ANTHRACENE	ND	1 J/0.43
INDENO(1,2,3-CD)PYRENE	0.28	3.1 J/1
NAPHTHALENE	0.17 J	0.24 J/0.14 J
PCBs		
AROCLOR 1254	ND	ND/ND
AROCLOR 1260	ND	ND/ND
PESTICIDES		
ALPHA-BHC	ND	ND/ND
BETA-BHC	0.0013 J	ND/ND
DIELDRIN	ND	ND/ND
GAMMA-BHC (LINDANE)	0.0083 J	ND/ND
HEPTACHLOR EPOXIDE	ND	ND/ND

MW-129	06/23/2009 0 - 2 ft.	06/23/2009 8 - 10 ft.
VOCs		
BENZENE	ND	0.031 J
TETRACHLOROETHENE	ND	ND
XYLENE (TOTAL)	ND	0.15 J
SVOCs		
2-METHYLNAPHTHALENE	0.097 J	1.3 J
ACENAPHTHENE	ND	44
BENZO(A)ANTHRACENE	0.056	9.7
BENZO(A)PYRENE	0.027 J	6.3
BENZO(B)FLUORANTHENE	0.032 J	2.9
BENZO(K)FLUORANTHENE	0.023 J	4.9
DIBENZO(A,H)ANTHRACENE	0.012 J	0.96
INDENO(1,2,3-CD)PYRENE	0.015 J	1.8
NAPHTHALENE	ND	3.1 J
PCBs		
AROCLOR 1254	ND	ND
AROCLOR 1260	ND	ND
PESTICIDES		
ALPHA-BHC	ND	ND
BETA-BHC	ND	0.016 J
DIELDRIN	ND	ND
GAMMA-BHC (LINDANE)	ND	0.0067 J
HEPTACHLOR EPOXIDE	ND	ND

B-125	07/02/2009 0 - 2 ft.	07/02/2009 8 - 12 ft.
VOCs		
BENZENE	0.0015	1.9
TETRACHLOROETHENE	ND	ND
XYLENE (TOTAL)	ND	0.5 J
SVOCs		
2-METHYLNAPHTHALENE	0.17 J	12
ACENAPHTHENE	0.091 J	11
BENZO(A)ANTHRACENE	0.58	6
BENZO(A)PYRENE	1.3	7.2
BENZO(B)FLUORANTHENE	0.94	3
PCBs		
AROCLOR 1254	ND	ND
PESTICIDES		
ALPHA-BHC	ND	ND
BETA-BHC	ND	0.0062 J

SAMPLE LOCATION
SAMPLE DATE
SAMPLE DEPTH
SAMPLE RESULT
EXCEED MOST STRINGENT SOIL SRS
NOT DETECTED
DATA QUALIFIER

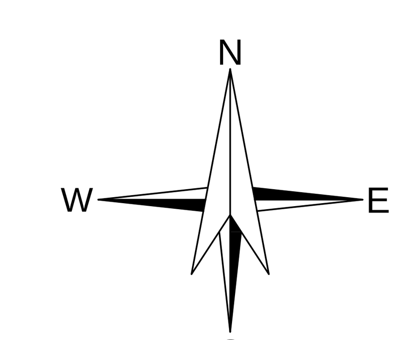
LEGEND:

- SOIL BORING LOCATION
- EB (ENVIRONMENTAL BORING) AND CPT (CONE PENETRATION TEST) SAMPLE LOCATION
- MONITORING WELL LOCATION

NOTES:

1. SITE PLAN WAS PREPARED FROM A DRAWING FILE NAMED "TOPO_F.DWG" SITE ENTITLED "REPLACEMENT OF 14th STREET VIADUCT HOBOKEN & UNION CITY, HUDSON COUNTY, NEW JERSEY", PREPARED BY TRANSYSTEMS, RECEIVED IN MAY 2010.

2. SOIL RESULTS WERE COMPARED TO NEW JERSEY RESIDENTIAL AND NON-RESIDENTIAL DIRECT CONTACT SOIL REMEDIATION STANDARDS (SRS), AS PUBLISHED IN N.J.A.C. 7:26D, AND NJDEP DEFAULT IMPACT TO GROUNDWATER SOIL SCREENING LEVELS (IGWSSLS) USING THE SOIL WATER PARTITION EQUATION.



0 60 120 180 240
SCALE IN FEET

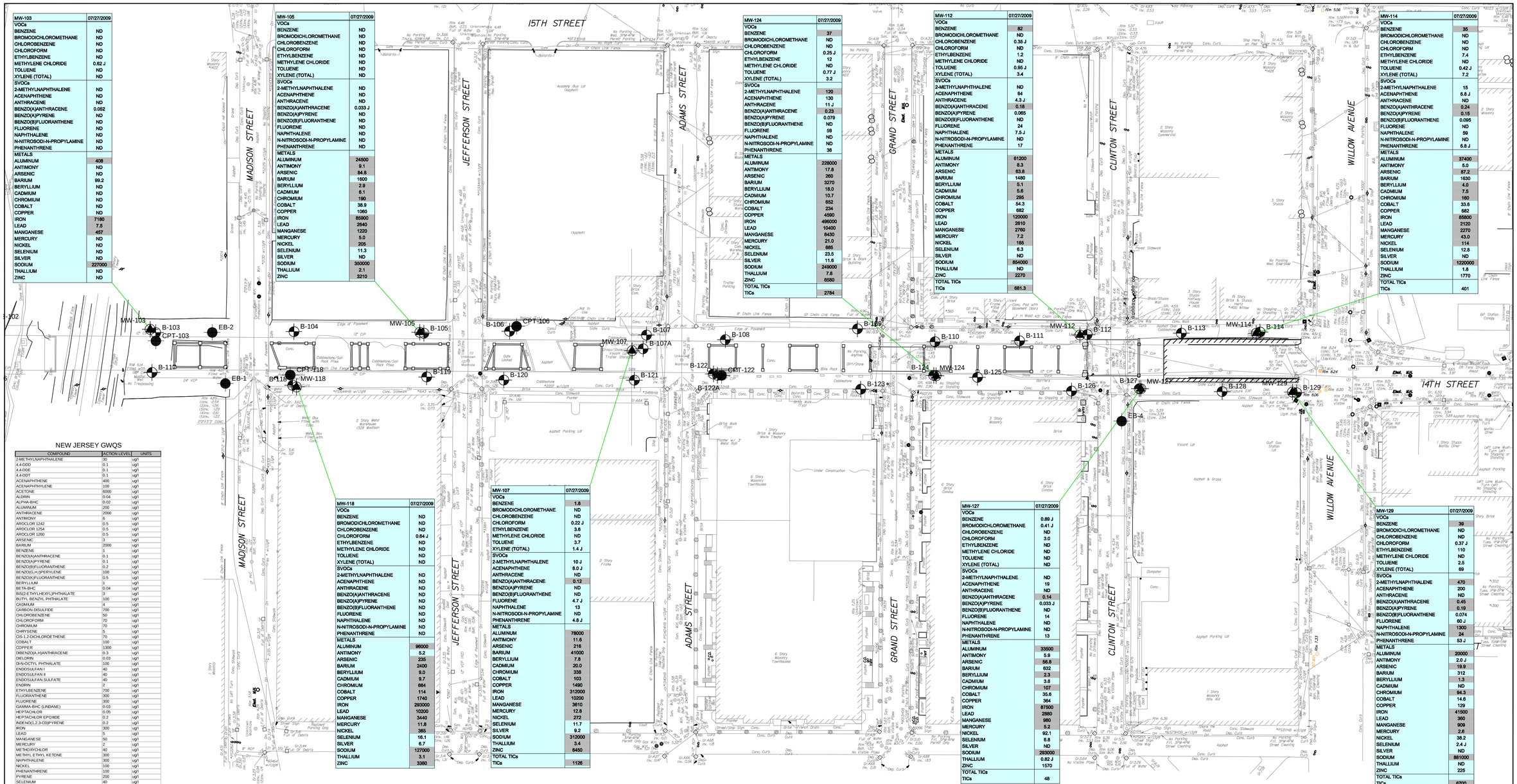
HALEY & ALDRICH

14TH STREET VIADUCT REPLACEMENT
14TH STREET FROM WILLOW AVE (HOBOKEN, NJ)
TO MANHATTAN AVE (UNION CITY, NJ)

SOIL ANALYTICAL DATA

SCALE: AS SHOWN
JULY 2010

FIGURE 11



MW-103	07/27/2009
VOCs	
BENZENE	ND
BROMODICHLOROMETHANE	ND
CHLOROBENZENE	ND
CHLOROFORM	ND
ETHYLBENZENE	ND
METHYLENE CHLORIDE	0.62 J
TOLUENE	ND
XYLENE (TOTAL)	ND
SVOCs	
2-METHYLNAPHTHALENE	ND
ACENAPHTHENE	ND
ANTHRACENE	ND
BENZO(A)ANTHRACENE	0.052
BENZO(A)PYRENE	ND
BENZO(B)FLUORANTHENE	ND
FLUORENE	ND
NAPHTHALENE	ND
N-NITROSODI-N-PROPYLAMINE	ND
PHENANTHRENE	ND
METALS	
ALUMINUM	408
ANTIMONY	ND
ARSENIC	ND
BARIUM	99.2
BERYLLIUM	ND
CADMIUM	ND
CHROMIUM	ND
COBALT	ND
COPPER	ND
IRON	7180
LEAD	7.5
MANGANESE	457
MERCURY	ND
NICKEL	ND
SELENIUM	ND
SILVER	ND
SODIUM	227000
THALLIUM	ND
ZINC	ND

MW-105	07/27/2009
VOCs	
BENZENE	ND
BROMODICHLOROMETHANE	ND
CHLOROBENZENE	ND
CHLOROFORM	ND
ETHYLBENZENE	ND
METHYLENE CHLORIDE	ND
TOLUENE	ND
XYLENE (TOTAL)	ND
SVOCs	
2-METHYLNAPHTHALENE	ND
ACENAPHTHENE	ND
ANTHRACENE	ND
BENZO(A)ANTHRACENE	0.033 J
BENZO(A)PYRENE	ND
BENZO(B)FLUORANTHENE	ND
FLUORENE	ND
NAPHTHALENE	ND
N-NITROSODI-N-PROPYLAMINE	ND
PHENANTHRENE	ND
METALS	
ALUMINUM	24500
ANTIMONY	9.1
ARSENIC	84.8
BARIUM	1600
BERYLLIUM	2.9
CADMIUM	6.1
CHROMIUM	190
COBALT	38.9
COPPER	1060
IRON	85900
LEAD	2640
MANGANESE	1220
MERCURY	5.0
NICKEL	205
SELENIUM	11.3
SILVER	ND
SODIUM	350000
THALLIUM	2.1
ZINC	3210

MW-124	07/27/2009
VOCs	
BENZENE	37
BROMODICHLOROMETHANE	ND
CHLOROBENZENE	ND
CHLOROFORM	0.25 J
ETHYLBENZENE	12
METHYLENE CHLORIDE	ND
TOLUENE	0.77 J
XYLENE (TOTAL)	3.2
SVOCs	
2-METHYLNAPHTHALENE	120
ACENAPHTHENE	130
ANTHRACENE	11 J
BENZO(A)ANTHRACENE	0.23
BENZO(A)PYRENE	0.079
BENZO(B)FLUORANTHENE	ND
FLUORENE	59
NAPHTHALENE	ND
N-NITROSODI-N-PROPYLAMINE	ND
PHENANTHRENE	38
METALS	
ALUMINUM	228000
ANTIMONY	17.8
ARSENIC	260
BARIUM	3270
BERYLLIUM	18.0
CADMIUM	10.7
CHROMIUM	652
COBALT	234
COPPER	4590
IRON	496000
LEAD	10400
MANGANESE	8430
MERCURY	21.0
NICKEL	885
SELENIUM	23.5
SILVER	11.6
SODIUM	249000
THALLIUM	7.8
ZINC	6580
TOTAL TICs	
TICs	2784

MW-112	07/27/2009
VOCs	
BENZENE	82
BROMODICHLOROMETHANE	ND
CHLOROBENZENE	0.35 J
CHLOROFORM	ND
ETHYLBENZENE	1.2
METHYLENE CHLORIDE	ND
TOLUENE	0.95 J
XYLENE (TOTAL)	3.4
SVOCs	
2-METHYLNAPHTHALENE	ND
ACENAPHTHENE	64
ANTHRACENE	4.3 J
BENZO(A)ANTHRACENE	0.18
BENZO(A)PYRENE	0.065
BENZO(B)FLUORANTHENE	ND
FLUORENE	24
NAPHTHALENE	7.5 J
N-NITROSODI-N-PROPYLAMINE	ND
PHENANTHRENE	17
METALS	
ALUMINUM	61200
ANTIMONY	8.3
ARSENIC	63.8
BARIUM	1480
BERYLLIUM	5.1
CADMIUM	5.6
CHROMIUM	295
COBALT	54.3
COPPER	682
IRON	120000
LEAD	2610
MANGANESE	2760
MERCURY	7.2
NICKEL	165
SELENIUM	6.3
SILVER	ND
SODIUM	854000
THALLIUM	ND
ZINC	2270
TOTAL TICs	
TICs	681.3

MW-114	07/27/2009
VOCs	
BENZENE	35
BROMODICHLOROMETHANE	ND
CHLOROBENZENE	ND
CHLOROFORM	ND
ETHYLBENZENE	7.4
METHYLENE CHLORIDE	ND
TOLUENE	0.42 J
XYLENE (TOTAL)	7.2
SVOCs	
2-METHYLNAPHTHALENE	15
ACENAPHTHENE	6.8 J
ANTHRACENE	ND
BENZO(A)ANTHRACENE	0.24
BENZO(A)PYRENE	0.15
BENZO(B)FLUORANTHENE	0.095
FLUORENE	ND
NAPHTHALENE	59
N-NITROSODI-N-PROPYLAMINE	ND
PHENANTHRENE	6.8 J
METALS	
ALUMINUM	37400
ANTIMONY	5.0
ARSENIC	87.2
BARIUM	1630
BERYLLIUM	4.0
CADMIUM	7.5
CHROMIUM	160
COBALT	33.6
COPPER	682
IRON	85800
LEAD	2120
MANGANESE	2270
MERCURY	43.0
NICKEL	114
SELENIUM	12.8
SILVER	ND
SODIUM	1220000
THALLIUM	1.8
ZINC	1770
TOTAL TICs	
TICs	401

MW-118	07/27/2009
VOCs	
BENZENE	ND
BROMODICHLOROMETHANE	ND
CHLOROBENZENE	ND
CHLOROFORM	0.64 J
ETHYLBENZENE	ND
METHYLENE CHLORIDE	ND
TOLUENE	ND
XYLENE (TOTAL)	ND
SVOCs	
2-METHYLNAPHTHALENE	ND
ACENAPHTHENE	ND
ANTHRACENE	ND
BENZO(A)ANTHRACENE	ND
BENZO(A)PYRENE	ND
BENZO(B)FLUORANTHENE	ND
FLUORENE	ND
NAPHTHALENE	ND
N-NITROSODI-N-PROPYLAMINE	ND
PHENANTHRENE	ND
METALS	
ALUMINUM	95000
ANTIMONY	5.2
ARSENIC	235
BARIUM	2400
BERYLLIUM	9.0
CADMIUM	9.7
CHROMIUM	664
COBALT	114
COPPER	1740
IRON	293000
LEAD	10200
MANGANESE	3440
MERCURY	11.8
NICKEL	365
SELENIUM	16.1
SILVER	6.7
SODIUM	1270000
THALLIUM	3.1
ZINC	3360

MW-107	07/27/2009
VOCs	
BENZENE	1.8
BROMODICHLOROMETHANE	ND
CHLOROBENZENE	ND
CHLOROFORM	0.22 J
ETHYLBENZENE	3.6
METHYLENE CHLORIDE	ND
TOLUENE	3.7
XYLENE (TOTAL)	1.4 J
SVOCs	
2-METHYLNAPHTHALENE	10 J
ACENAPHTHENE	8.0 J
ANTHRACENE	ND
BENZO(A)ANTHRACENE	0.12
BENZO(A)PYRENE	ND
BENZO(B)FLUORANTHENE	ND
FLUORENE	4.7 J
NAPHTHALENE	13
N-NITROSODI-N-PROPYLAMINE	ND
PHENANTHRENE	4.8 J
METALS	
ALUMINUM	78000
ANTIMONY	11.6
ARSENIC	216
BARIUM	41000
BERYLLIUM	7.8
CADMIUM	20.0
CHROMIUM	338
COBALT	103
COPPER	1490
IRON	312000
LEAD	10200
MANGANESE	3610
MERCURY	12.8
NICKEL	272
SELENIUM	11.7
SILVER	9.2
SODIUM	312000
THALLIUM	3.4
ZINC	6450
TOTAL TICs	
TICs	1126

MW-127	07/27/2009
VOCs	
BENZENE	0.89 J
BROMODICHLOROMETHANE	0.41 J
CHLOROBENZENE	ND
CHLOROFORM	3.0
ETHYLBENZENE	ND
METHYLENE CHLORIDE	ND
TOLUENE	ND
XYLENE (TOTAL)	ND
SVOCs	
2-METHYLNAPHTHALENE	ND
ACENAPHTHENE	19
ANTHRACENE	ND
BENZO(A)ANTHRACENE	0.14
BENZO(A)PYRENE	0.033 J
BENZO(B)FLUORANTHENE	ND
FLUORENE	14
NAPHTHALENE	ND
N-NITROSODI-N-PROPYLAMINE	ND
PHENANTHRENE	13
METALS	
ALUMINUM	33500
ANTIMONY	5.9
ARSENIC	56.8
BARIUM	632
BERYLLIUM	2.3
CADMIUM	3.8
CHROMIUM	107
COBALT	35.6
COPPER	364
IRON	87500
LEAD	2880
MANGANESE	980
MERCURY	5.2
NICKEL	92.1
SELENIUM	6.8
SILVER	ND
SODIUM	293000
THALLIUM	0.82 J
ZINC	1570
TOTAL TICs	
TICs	48

MW-129	07/27/2009
VOCs	
BENZENE	39
BROMODICHLOROMETHANE	ND
CHLOROBENZENE	ND
CHLOROFORM	0.37 J
ETHYLBENZENE	110
METHYLENE CHLORIDE	ND
TOLUENE	2.5
XYLENE (TOTAL)	69
SVOCs	
2-METHYLNAPHTHALENE	470
ACENAPHTHENE	200
ANTHRACENE	ND
BENZO(A)ANTHRACENE	0.45
BENZO(A)PYRENE	0.19
BENZO(B)FLUORANTHENE	0.074
FLUORENE	60 J
NAPHTHALENE	1300
N-NITROSODI-N-PROPYLAMINE	24
PHENANTHRENE	53 J
METALS	
ALUMINUM	20000
ANTIMONY	2.0 J
ARSENIC	19.9
BARIUM	312
BERYLLIUM	1.3
CADMIUM	ND
CHROMIUM	94.3
COBALT	14.8
COPPER	129
IRON	41500
LEAD	360
MANGANESE	909
MERCURY	2.8
NICKEL	38.2
SELENIUM	2.4 J
SILVER	ND
SODIUM	881000
THALLIUM	ND
ZINC	225
TOTAL TICs	
TICs	6700

NEW JERSEY GWQS

COMPOUND	ACTION LEVEL	UNITS
2-METHYLNAPHTHALENE	30	ug/l
4,4-DDD	0.1	ug/l
4,4-DDE	0.1	ug/l
4,4-DDT	0.1	ug/l
ACENAPHTHENE	400	ug/l
ACENAPHTHYLENE	100	ug/l
ACETONE	6000	ug/l
ALDRIN	0.04	ug/l
ALPHA-BHC	0.02	ug/l
ALUMINUM	200	ug/l
ANTHRACENE	2000	ug/l
ANTIMONY	6	ug/l
AROCLOR 1242	0.5	ug/l
AROCLOR 1254	0.5	ug/l
AROCLOR 1260	0.5	ug/l
ARSENIC	3	ug/l
BARIUM	2000	ug/l
BENZENE	1	ug/l
BENZO(A)ANTHRACENE	0.1	ug/l
BENZO(A)PYRENE	0.1	ug/l
BENZO(B)FLUORANTHENE	0.2	ug/l
BENZO(G,H,I)PERYLENE	100	ug/l
BENZO(K)FLUORANTHENE	0.5	ug/l
BERYLLIUM	1	ug/l
BETA-BHC	0.04	ug/l
BIS(2-ETHYLHEXYL)PHTHALATE	3	ug/l
BUTYL BENZYL PHTHALATE	100	ug/l
CADMIUM	4	ug/l
CARBON DISULFIDE	700	ug/l
CHLOROBENZENE	50	ug/l
CHLOROFORM	70	ug/l
CHROMIUM	70	ug/l
CHRYSENE	5	ug/l
CIS-1,2-DICHLOROETHENE	70	ug/l
COBALT	100	ug/l
COPPER	1300	ug/l
DIBENZO(A,H)ANTHRACENE	0.3	ug/l
DIELDRIN	0.03	ug/l
DI-N-OCTYL PHTHALATE	100	ug/l
ENDOSULFAN I	40	ug/l
ENDOSULFAN II	40	ug/l
ENDOSULFAN SULFATE	40	ug/l
ENDRIN	2	ug/l
ETHYLBENZENE	700	ug/l
FLUORANTHENE	300	ug/l
FLUORENE	300	ug/l
GAMMA-BHC (LINDANE)	0.03	ug/l
HEPTACHLOR	0.05	ug/l
HEPTACHLOR EPOXIDE	0.2	ug/l
INDENO(1,2,3-CD)PYRENE	0.2	ug/l
IRON	300	ug/l
LEAD	5	ug/l
MANGANESE	50	ug/l
MERCURY	2	ug/l
METHOXYCHLOR	40	ug/l
METHYL ETHYL KETONE	300	ug/l
NAPHTHALENE	300	ug/l
NICKEL	100	ug/l
PHENANTHRENE	100	ug/l
PYRENE	200	ug/l
SELENIUM	40	ug/l
SILVER	40	ug/l
SODIUM	50000	ug/l
STYRENE	100	ug/l
TETRACHLOROETHENE	1	ug/l
TOLUENE	600	ug/l
TRICHLOROETHENE	1	ug/l
VINYL CHLORIDE	1	ug/l
XYLENE (TOTAL)	1000	ug/l
ZINC	2000	ug/l

LEGEND:

- SOIL BORING LOCATION
- EB (ENVIRONMENTAL BORING) AND CPT (CONE PENETRATION TEST) SAMPLE LOCATION
- MONITORING WELL LOCATION

MW-107	07/27/2009
VOCs	
BENZENE	1.8
BROMODICHLOROMETHANE	ND
CHLOROBENZENE	ND
TOLUENE	3.7
XYLENE (TOTAL)	1.4 J
SVOCs	
2-METHYLNAPHTHALENE	10 J
ACENAPHTHENE	8.0 J
ANTHRACENE	ND
BENZO(A)ANTHRACENE	0.12
PHENANTHRENE	4.8 J
METALS	
ALUMINUM	78000
ANTIMONY	11.6
ARSENIC	216
TOTAL TICs	
TICs	1126

- SAMPLE LOCATION
- SAMPLE DATE
- SAMPLE RESULT
- NOT DETECTED
- DATA QUALIFIER
- EXCEED GWQS

NOTES:

1. SITE PLAN WAS PREPARED FROM A DRAWING FILE NAMED "TOPO_F.DWG" SITE ENTITLED "REPLACEMENT OF 14th STREET VIADUCT HOBOKEN & UNION CITY, HUDSON COUNTY, NEW JERSEY", PREPARED BY TRANSYSTEMS, RECEIVED IN MAY 2010.

2. GROUNDWATER RESULTS WERE COMPARED TO NEW JERSEY GROUNDWATER QUALITY STANDARDS (GWQS), AS PUBLISHED IN N.J.A.C. 7:9C.

N
W E
S

0 60 120 180 240
SCALE IN FEET

HALEY & ALDRICH

14TH STREET VIADUCT REPLACEMENT
14TH STREET FROM MANHATTAN AVE (UNION CITY, NJ)
TO WILLOW AVE (HOBOKEN, NJ)

GROUNDWATER ANALYTICAL DATA

SCALE: AS SHOWN
JULY 2010

FIGURE 12

G:\36059_TRANSYSTEMS\GLOBAL\CAD\DRAWINGS\36059-004-002D-GW-DBOX-MAY2010.DWG

APPENDIX A

NJDEP Confirmed Discharge Notification Form

New Jersey Department of Environmental Protection
Site Remediation Program

CONFIRMED DISCHARGE NOTIFICATION

Date Stamp
(For Department use only)

SECTION A. SITE LOCATION

Site Name: Replacement of the 14th Street Viaduct over Conrail and Local Streets Structure No. 0900-016

List all AKAs:

Street Address: 14th Street from Manhattan Avenue (City of Union City) to Willow Avenue (Hoboken), New Jersey

Municipality: Union City and City of Hoboken (Township, Borough or City)

County: Hudson Zip Code: 07087

Mailing Address if different than street address: refer to Section C

Incident Number(s)/Com. Center Number(s): 10-0420-1310-04

Program Interest (PI) Number(s): None yet assigned

Date Remediation Initiated Pursuant to N.J.A.C. 7:26C-2.2 or 2.3(b): 04/20/2010

State Plane Coordinates for a central location at the site: Easting: 621600 Northing: 700094

Municipal Block(s) and Lot(s): Block # N/A (public right-of-way) Lot # N/A (public right-of-way)

Block # Lot # Block # Lot #

Block # Lot # Block # Lot #

Block # Lot # Block # Lot #

Block # Lot # Block # Lot #

SECTION B. PERSON RESPONSIBLE FOR CONDUCTING THE REMEDIATION

Name: Hudson County Office of the County Engineer Phone: (201) 369-4342

Contact: Demetrio Arencibia Title: Assistant County Engineer

Street Address: 595 County Avenue, Bldg 3, Floor 2 Municipality: Secaucus (Township, Borough or City)

County: Hudson State: NJ Zip Code: 07094

SECTION C. CURRENT OWNER OF THE SITE

Affiliation/Name of Organization: Hudson County

First Name of Contact: Demetrio Last Name of Contact: Arencibia

Title: Assistant County Engineer

Phone Number: (201) 369-4342 Ext: Fax: (201) 369-4346

Mailing Address: 595 County Avenue, Bldg 3, Floor 2

City/Town: Secaucus State: NJ Zip Code: 07094

Email Address: darencibia@hcnj.us

SECTION D. SITE USE

Current Site Use (check all that apply)

- ☐ Industrial
- ☐ Residential
- ☐ Commercial
- ☐ School or child care
- ☐ Agricultural
- ☐ Park or recreational use
- ☐ Vacant
- ☐ Government
- ☒ Other: Public Highway

Intended Future Site Use, if known (check all that apply)

- ☐ Industrial
- ☐ Residential
- ☐ Commercial
- ☐ School or child care
- ☐ Park or recreational use
- ☐ Vacant
- ☐ Government
- ☐ Future site use unknown

Date Discharge Occurred: 04/20/2010 Date Discharge Notification to the Department: 04/20/2010

Substance Released	State (liquid, solid, etc.)	Amount	HAZMAT ☒ if "Yes"	TCPA ☒ if "Yes"	Release Verified	Substance Contained ☒ if "Yes"	Release Status
Historic Fill Material	Solid, liquid	Site-Wide	☐	☐	Yes	☐	Investigation
			☐	☐		☐	
			☐	☐		☐	
			☐	☐		☐	
			☐	☐		☐	

Media Contaminated: ☒ Soil ☒ Groundwater ☐ Surface Water Receiving Water: _____

Description of Discharge:

Historic fill material was discovered during soil and groundwater sampling associated with geotechnical and environmental investigations performed by Hudson County in advance of the reconstruction of the 14th Street Viaduct. The historic fill material observed at the site is consistent with the definition at N.J.A.C. 7:26E-1.8.

SECTION E. FEDERAL RELEASE

Is this discharge related to a release from a Federally regulated UST? ..... ☐ Yes ☒ No

If "Yes," please answer the following questions:

Tank ID (from Registration): _____ Tank System Size: _____

Contents: _____

Source of Federal Release (check appropriate category):

- ☐ Dispenser
- ☐ Vent Pipe
- ☐ Fill Port/Fill Lines
- ☐ Piping (Upgraded)
- ☐ Piping (Not Upgraded)
- ☐ Spill Bucket
- ☐ Tank (Upgraded)
- ☐ Tank (Not Upgraded)
- ☐ Vapor System Recovery
- ☐ Submersible Turbine Pump Area
- ☐ Other (Specify) _____
- ☐ Delivery Problem
- ☐ Unknown

Cause of Federal Release (check appropriate category):

- ☐ Spill
- ☐ Overfill
- ☐ Physical/Mechanical Damage
- ☐ Loose Fittings
- ☐ Installation Problem
- ☐ Vapor Release
- ☐ Other (Specify) _____
- ☐ Corrosion
- ☐ Unknown

SECTION F. CASE TYPE: (check all that apply)

- ☐ Child Care Center
- ☐ School
- ☐ School Development Authority (SDA)
- ☐ UST Grant/Loan
- ☐ Hazardous Discharge Remediation Fund (HDSRF) Grant/Loan
- ☐ Administrative Consent Order (ACO)
- ☐ Remediation Agreement (RA)/Remediation Certification
- ☐ Brownfield Development Area (BDA)
- ☐ Site is located within an economic development priority area
- ☐ ISRA
- ☐ Regulated Underground Storage Tank (UST)
- ☐ Landfill
- ☐ Federal oversight (RCRA, CERCLA, DOD, TSCA, etc.)
- ☐ Coal Gas
- ☐ Chrome Site (Chromate chemical production waste)
- ☐ Spill Act Discharge
- ☒ Not Applicable

SECTION G. PERSON RESPONSIBLE FOR CONDUCTING THE REMEDIATION INFORMATION AND CERTIFICATION

Full Legal Name of the Person Responsible for Conducting the Remediation: Hudson County Office of County Engineer

Representative First Name: Demetrio Representative Last Name: Arencibia

Title: Assistant County Engineer

Phone Number: (201) 369-4342 Ext: Fax: (201) 369-4346

Mailing Address: 595 County Avenue, Bldg 3, Floor 2

City/Town: Secaucus State: NJ Zip Code: 07094

Email Address: darencibia@hcnj.us

Developer Certification Included ☐ or Filed: _____ Date of Filing

This certification shall be signed by the person responsible for conducting the remediation who is submitting this notification in accordance with Administrative Requirements for the Remediation of Contaminated Sites rule at N.J.A.C. 7:26C-1.5(a).

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein, including all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, to the best of my knowledge, I believe that the submitted information is true, accurate and complete. I am aware that there are significant civil penalties for knowingly submitting false, inaccurate or incomplete information and that I am committing a crime of the fourth degree if I make a written false statement which I do not believe to be true. I am also aware that if I knowingly direct or authorize the violation of any statute, I am personally liable for the penalties.

Signature: Date: April 27, 2010

Name/Title: DEMETRIO ARENCIBIA, ASSISTANT COUNTY ENGINEER **No Changes Since Last Submittal** ☐

APPENDIX B

NJDEP Notification of Retention of LSRP

New Jersey Department of Environmental Protection
Site Remediation Program

LSRP NOTIFICATION OF RETENTION OR DISMISSAL

Date Stamp
(For Department use only)

SECTION A. SITE NAME AND LOCATION

Site Name: Replacement of the 14th Street Viaduct over Conrail and Local Streets Structure No. 0900-016

List all AKAs:

Street Address: 14th Street from Manhattan Avenue (City of Union City) to Willow Avenue (Hoboken), New Jersey

Municipality: Union City and City of Hoboken (Township, Borough or City)

County: Hudson Zip Code: 07087

Mailing Address if different than street address: refer to Section D

Program Interest (PI) Number(s): None yet assigned Case Tracking Number(s): 10-0420-1310-04

SECTION B. RETENTION DATE

I was retained by Hudson County Office of the County Engineer (name of person conducting the remediation) to conduct the remediation at the site on 04/20/2010.

1. Did you replace another LSRP? ☐ Yes ☒ No
2. If "Yes," name of LSRP: N/A
3. Are you hired to conduct a full site investigation? ☐ Yes ☒ No
4. Are you hired to conduct an area of concern only investigation? ☒ Yes ☐ No

SECTION C. RELEASE DATE

I was released by N/A (name of person conducting the remediation) from responsibility for remediation at the site on _____.

Note: The release notification is only required if it occurs prior to the issuance of the response action outcome for the site by the LSRP.

SECTION D. PERSON RESPONSIBLE FOR CONDUCTING THE REMEDIATION INFORMATION AND CERTIFICATION

Full Legal Name of the Person Responsible for Conducting the Remediation: Hudson County Office of County Engineer

Representative First Name: Demetrio Representative Last Name: Arencibia

Title: Assistant County Engineer

Phone Number: (201) 369-4342 Ext: Fax: (201) 369-4346

Mailing Address: 595 County Avenue, Building 3, Floor 2

City/Town: Secaucus State: NJ Zip Code: 07094

Email Address: darencibia@hcnj.us

Developer Certification Included ☐ or Filed _____ Date of Filing

This certification shall be signed by the person responsible for conducting the remediation who is submitting this notification in accordance with Administrative Requirements for the Remediation of Contaminated Sites rule at N.J.A.C. 7:26C-1.5(a).

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein, and that to the best of my knowledge, I believe that the submitted information is true, accurate and complete. I am aware that there are significant civil penalties for knowingly submitting false, inaccurate or incomplete information and that I am committing a crime of the fourth degree if I make a written false statement which I do not believe to be true. I am also aware that if I knowingly direct or authorize the violation of any statute, I am personally liable for the penalties.

Signature: Date: April 27, 2010

Name/Title: Demetrio Arencibia/Assistant County Engineer **Changes Since Last Submittal** ☐

Check appropriate box to indicate who is conducting the remediation: ☒ Owner/Operator ☐ Prospective Purchaser

SECTION E. LICENSED SITE REMEDIATION PROFESSIONAL INFORMATION

LSRP ID Number: 511986

First Name: Christopher Last Name: Schmitt

Phone Number: (973) 658-3904 Ext: Fax: (973) 658-3954

Mailing Address: 299 Cherry Hill Road, Suite 105

City/Town: Parsippany State: NJ Zip Code: 07054

Email Address: cschmitt@HaleyAldrich.com

This statement shall be signed by the LSRP who is submitting this notification in accordance with SRRA Section 16 d. and Section 30 b.2.

I certify that I am a Licensed Site Remediation Professional authorized pursuant to N.J.S.A. 58:10C to conduct business in New Jersey.

I am aware pursuant to N.J.S.A. 58:10C-17 that for purposely, knowingly or recklessly submitting false statement, representation or certification in any document or information submitted to the board or Department, etc., that there are significant civil, administrative and criminal penalties, including license revocation or suspension, fines and being punished by imprisonment for conviction of a crime of the third degree.

LSRP Signature: Date: 4/23/10

LSRP Name/Title: Christopher Schmitt/LSRP **Changes Since Last Submittal** ☐

Company Name: Haley & Aldrich, Inc.

APPENDIX C

NJDEP Preliminary Assessment/Site Investigation Report Form

New Jersey Department of Environmental Protection
Site Remediation Program

PRELIMINARY ASSESSMENT / SITE INVESTIGATION

☐ Non-LSRP (Existing Cases) ☐ LSRP ☐ Subsurface Evaluator

Date Stamp
(For Department use only)

A Phase I or Phase II is not equivalent to a Preliminary Assessment, therefore, it will not be an acceptable substitution.

SECTION A. SITE NAME AND LOCATION

Site Name: Replacement of the 14th Street Viaduct over Conrail and Local Streets Structure No. 0900-016

List all AKAs: 14th Street Viaduct

Street Address: 14th Street from Manhattan Avenue (City of Union City) to Willow Avenue (Hoboken), New Jersey

Municipality: Union City and City of Hoboken (Township, Borough or City)

County: Hudson Zip Code: 07087

Incident Number(s)/Com. Center Number(s): 10-0420-1310-04

Program Interest (PI) Number(s): None yet assigned Case Tracking Number(s): 10-0420-1310-04

Date Remediation Initiated Pursuant to N.J.A.C. 7:26C-2.2 or 2.3(b): 04/20/2010

State Plane Coordinates for a central location at the site: Easting: 621600 Northing: 700094

Municipal Block(s) and Lot(s): Block # N/A (public right-of-way) Lot # N/A (public right-of-way)

Block # _____ Lot # _____ Block # _____ Lot # _____

Block # _____ Lot # _____ Block # _____ Lot # _____

Block # _____ Lot # _____ Block # _____ Lot # _____

Block # _____ Lot # _____ Block # _____ Lot # _____

SECTION B. NJDEP CASE MANAGER

Do you have an assigned Case Manager? ..... ☐ Yes ☒ No

If "Yes," please list the Case Manager: _____

SECTION C. REQUIRED TECHNICAL SUBMITTALS

	Not Applicable	Included in This Submission	Previously Submitted	Date of Submission	Date of Revised Submission
Immediate Environmental Concern Report	☒	☐	☐		
Immediate Response Action Plan	☒	☐	☐		
Preliminary Assessment Report	☒	☐	☐		
Receptor Evaluation	☐	☒	☐		
Site Investigation Report	☐	☒	☐		
Remedial Investigation/Remedial Action Work Plan	☒	☐	☐		
Feasibility Study Report	☒	☐	☐		
Response Action Outcome Report	☒	☐	☐		

SECTION D. SITE USE

Current Site Use (check all that apply)

☐ Industrial ☐ Agricultural
☐ Residential ☐ Park or recreational use
☐ Commercial ☐ Vacant
☐ School or child care ☒ Government
☒ Other: Public Highway

Intended Future Site Use, if known (check all that apply)

☐ Industrial ☒ Park or recreational use
☐ Residential ☐ Vacant
☐ Commercial ☒ Government
☐ School or child care ☐ Future site use unknown

SECTION E. CASE TYPE: (check all that apply)

- ☐ Child Care Facility
- ☐ School facility
- ☐ School Development Authority (SDA)
- ☐ UST Grant/Loan
- ☐ Hazardous Discharge Remediation Fund (HDSRF) Grant/Loan
- ☐ Administrative Consent Order (ACO)
- ☐ Remediation Agreement (RA)
- ☐ Brownfield Development Area (BDA)
- ☐ Site is located within an economic development priority area
- ☐ ISRA
- ☐ Regulated Underground Storage Tank (UST)
- ☐ Landfill
- ☐ Federal oversight (RCRA, CERCLA, DOD, TSCA, etc.)
- ☐ Coal Gas
- ☐ Chrome Site (Chromate chemical production waste)
- ☐ Spill Act Discharge
- ☐ Due Diligence with RAO
- ☒ Not Applicable

SECTION F. PUBLIC FUNDS

Did the remediation utilize public funds? ..... ☐ Yes ☒ No

If "Yes," check applicable: ☐ UST Grant ☐ UST Loan ☐ Brownfield Reimbursement Program ☐ HDSRF Grant ☐ HDSRF Loan ☐ Landfill Reimbursement Program ☐ Spill Fund ☐ Schools Development Authority

SECTION G. GENERAL

1. Was an inspection of the site conducted? ..... ☒ Yes ☐ No ☐ NA
   Date of the inspection 04/20/2010
2. Did the PA identify any areas of concern? ..... ☒ Yes ☐ No ☐ NA
   If "Yes," please complete section H2.
3. What page or appendix is the site map indicating all of the areas of concern located? Figure 5 - AOC Plan
4. Did the PA identify any current or historic industrial, commercial, agricultural or residential use at the site dating back to the time the site was naturally vegetated? ..... ☐ Yes ☒ No ☐ NA
   If "Yes," please complete section H1.
5. Prior to this submittal have any NFAs/RAOs been issued for this site? ..... ☐ Yes ☒ No
   a. Does the site currently have a Deed Notice? ..... ☐ Yes ☒ No
   b. Does the site currently have a CEA? ..... ☐ Yes ☒ No
   c. Has an order of magnitude evaluation been performed? ..... ☐ Yes ☒ No
6. Is the ground water at the site classified as a Class I Ground Water? ..... ☐ Yes ☒ No
7. Are there potable wells on-site? ..... ☐ Yes ☒ No
8. Has a well search been conducted pursuant to N.J.A.C. 7:26E-1.17? ..... ☒ Yes ☐ No
   a. If "Yes," are there any potable wells within 200' of the AOCs listed in H2 or within 200' of the site boundary? ..... ☐ Yes ☒ No
9. Is the site investigation complete? ..... ☒ Yes ☐ No

SECTION H. SITE INFORMATION

H1. Current and Historic Operators/Operations (attach additional sheets as necessary)

Name of Operator	Type of Operation – e.g., dry cleaning, electro-plating, residence	Dates of Operation	
		Start	End
Hudson County	Public Roadway	01/01/1910	06/22/2010

H2. Areas of Concern (For PA or PA/SI Report, list each AOC; for SI Report, list only AOCs documented in this submittal.)

	Area of Concern	Currently Exists? ☒ if "Yes"	Formerly Existed? ☒ if "Yes"	Investigation: SI Conducted ☒ if "Yes"	Investigation: RI Proposed ☒ if "Yes"
1	Above ground storage tank and associated piping	☐	☐	☐	☐
2	Area of stressed vegetation	☐	☐	☐	☐
3	Area which receives flood or storm water from potentially contaminated areas	☐	☐	☐	☐
4	Chemical storage cabinet and closet	☐	☐	☐	☐
5	Compressor vent discharge	☐	☐	☐	☐
6	Discharge area pursuant to N.J.A.C. 7:1E	☐	☐	☐	☐
7	Discolored or spill area	☐	☐	☐	☐
8	Drainage swale and culvert	☐	☐	☐	☐
9	Drywell and sump	☐	☐	☐	☐
10	Dumpster	☐	☐	☐	☐
11	Electrical transformer and capacitor	☐	☐	☐	☐
12	Floor drain collection system	☐	☐	☐	☐
13	Former agricultural applied pesticide area	☐	☐	☐	☐
14	Hazardous material storage or handling area	☐	☐	☐	☐
15	Historic fill or any other fill material	☒	☒	☒	☒
16	Hydraulic lift	☐	☐	☐	☐
17	Incinerator	☐	☐	☐	☐
18	Landfill or landfarm	☐	☐	☐	☐
19	Loading and unloading area	☐	☐	☐	☐
20	Non-contact cooling water discharge	☐	☐	☐	☐
21	Open area away from production area	☐	☐	☐	☐
22	Piping, above ground and below ground pumping station, sump and pit	☐	☐	☐	☐
23	Process area sink and piping which receive process waste	☐	☐	☐	☐
24	Rail car	☐	☐	☐	☐
25	Roof leader when process operations vent to the roof	☐	☐	☐	☐
26	Septic system, leachfield or seepage pit	☐	☐	☐	☐
27	Silo	☐	☐	☐	☐
28	Sprayfield	☐	☐	☐	☐
29	Storage pad including drum and/or waste storage	☐	☐	☐	☐
30	Storm sewer and spill containment collection system	☐	☐	☐	☐
31	Storm water detention pond and fire pond	☐	☐	☐	☐
32	Surface impoundment and lagoon	☐	☐	☐	☐
33	Surface water body	☐	☐	☐	☐
34	Underground piping including industrial process sewer	☐	☐	☐	☐
35	Underground storage tank and associated piping	☐	☐	☐	☐
36	Waste pile as defined by N.J.A.C. 7:26	☐	☐	☐	☐
37	Waste water treatment	☐	☐	☐	☐
38	Other:	☐	☐	☐	☐

H3. Complete this section only if an ISRA waiver was issued or an ISRA NFA was issued under an expedited review or Limited Site Review.

ISRA Case #	Expedited Review	Limited Site Review	Remediation In Progress Waiver	Regulated UST Waiver	Date	Comments
	☐	☐	☐	☐		
	☐	☐	☐	☐		
	☐	☐	☐	☐		
	☐	☐	☐	☐		
	☐	☐	☐	☐		
	☐	☐	☐	☐		
	☐	☐	☐	☐		
	☐	☐	☐	☐		

H4. REGULATED USTs: Complete if any underground storage tanks (USTs) on site are regulated Pursuant to N.J.A.C. 7:14B

a. Have all the regulated USTs on site been registered with the Department? ..... ☐ Yes ☐ No

b. Have all incidents related to regulated USTs been remediated/investigated? ..... ☐ Yes ☐ No

c. Have any USTs been removed on/after September 4, 1990? ..... ☐ Yes ☐ No

d. Including this submittal, has an SI/RI report been submitted for all USTs closed on/after September 4, 1990? ..... ☐ Yes ☐ No

H5. Compliance Check (Complete only if sampling of soil and/or ground water was conducted)

a. Identify the media impacted above applicable standards/screening levels (check all that apply):

☒ soil ☒ ground water

Type of contamination in soil and ground water above applicable standards/screening levels (check all that apply):

Soil	Ground Water		Soil	Ground Water	
☒	☒	Volatile Organics	☒	☐	PCBs
☒	☒	Polycyclic Aromatic Hydrocarbons(PAHs)	☐	☒	Chromium
☐	☐	Acid Extractables	☐	☐	Dioxin
☒	☒	Base Neutrals (non-PAHs)	☒	☒	Mercury
☒	☒	Metals	☒	☒	Arsenic
☒	☐	Pesticides	☐	☐	Perchlorate, RDX, TNT, etc.
☒	☐	PHC	☐	☐	Other, specify _____

b. For all AOCs at which an SI was conducted, but no RI/RA is proposed:

1) Are any soil analytical results greater than the most stringent Direct Contact Soil Remediation Standards (DCSRS)? ..... ☒ Yes ☐ No

2) Are any soil analytical results greater than the default Impact to Ground Water Soil Screening Levels (IGWSSL)? ..... ☒ Yes ☐ No

3) Are any ground water analytical results greater than the Ground Water Quality Standards (GWQS)? ..... ☒ Yes ☐ No ☐ NA

4) Are any Method Detection Limits (MDLs) greater than the applicable soil and/or ground water standards or screening levels? ..... ☐ Yes ☒ No

5) Are any surface water analytical results greater than the most stringent, both human and ecological, Surface Water Quality Standards? ..... ☐ Yes ☐ No ☒ NA

6) Are any sediment analytical results above the screening levels? ..... ☐ Yes ☐ No ☒ NA

7) Are any analytical results above the vapor intrusion screening levels? ..... ☒ Yes ☐ No ☐ NA

8) Did the SI document via a background investigation, outside the influence of onsite AOCs and operational areas, that:

a) contamination is migrating onto this site per N.J.A.C. 7:26E-3.7(g)? ..... ☐ Yes ☐ No ☒ NA

b) contamination is naturally occurring per N.J.A.C. 7:26E-3.10? ..... ☐ Yes ☐ No ☒ NA

9) Contamination is associated with an ongoing ISRA remediation..... ☐ Yes ☐ No ☒ NA

c. Have Alternative Remediation Standards (ARS) been utilized for Inhalation and/or Ingestion/Dermal pathways?..... ☐ Yes ☒ No

d. Have any site specific Impact to Groundwater Soil Remediation Standards (IGWSRS) been established?..... ☐ Yes ☒ No

Note: Complete if "Yes" to question b.) 1-4, c. or d. List affected AOC(s) below; attach additional sheets if necessary.

Area of Concern (from H2. above)	Exceeds DCSRS	Exceeds IGWSSL	Exceeds GWQS	MDLs > Standards	ARS	Site Specific IGWSRS	Comments
AOC-1 Historic Fill Material	☒	☒	☒	☐	☐	☐	
	☐	☐	☐	☐	☐	☐	
	☐	☐	☐	☐	☐	☐	
	☐	☐	☐	☐	☐	☐	
	☐	☐	☐	☐	☐	☐	
	☐	☐	☐	☐	☐	☐	
	☐	☐	☐	☐	☐	☐	
	☐	☐	☐	☐	☐	☐	

SECTION I. ALTERNATIVE REMEDIATION STANDARD / DEVIATIONS

Alternative remediation standard

If proposing an alternative remediation standard pursuant to N.J.A.C. 7:26D-7.4, check here and attach the Alternative Soil Remediation Standard Application Form as an addendum. ☐

Deviation from regulations

If the Licensed Site Remediation Professional has varied from the Technical Rules, provide the citation(s) from which the remediation varied and the page(s) in the attached document where the rationale for the deviation is provided.

N.J.A.C. 7:26E- _____ Page _____

N.J.A.C. 7:26E- _____ Page _____

N.J.A.C. 7:26E- _____ Page _____

SECTION J. PERSON RESPONSIBLE FOR CONDUCTING THE REMEDIATION INFORMATION AND CERTIFICATION

Full Legal Name of the Person Responsible for Conducting the Remediation: Hudson County Office of County Engineer

Representative First Name: Demetrio Representative Last Name: Arencibia

Title: Assistant County Engineer Business Affiliation: Hudson County Office of County Engineer

Phone Number: _____ Ext: _____ Fax: _____

Mailing Address: 595 County Avenue, Building 3, Floor 2

City/Town: Secaucus State: _____ ZIP Code: 07094

Email Address: darencibia@hcnj.us

Developer Certification Included ☐ or if Filed _____ Date of Filing

This certification shall be signed by the person responsible for conducting the remediation who is submitting this notification in accordance with Administrative Requirements for the Remediation of Contaminated Sites rule at N.J.A.C. 7:26C-1.5(a).

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein, including all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, to the best of my knowledge, I believe that the submitted information is true, accurate and complete. I am aware that there are significant civil penalties for knowingly submitting false, inaccurate or incomplete information and that I am committing a crime of the fourth degree if I make a written false statement which I do not believe to be true. I am also aware that if I knowingly direct or authorize the violation of any statute, I am personally liable for the penalties.

Signature: _____ Date: 7/7/10

Name/Title: DEMETRIO ARENCIBIA / ASST. COUNTY ENGINEER **No Changes Since Last Submittal** ☒

SECTION K. LICENSED SITE REMEDIATION PROFESSIONAL INFORMATION AND STATEMENT

LSRP ID Number: 511986

First Name: Christopher Last Name: Schmitt

Phone Number: (973) 658-3904 Ext: Fax: (973) 658-3954

Mailing Address: 299 Cherry Hill Road, Suite 105

City/Town: Parsippany State: NJ Zip Code: 07054

Email Address: cschmitt@HaleyAldrich.com

This statement shall be signed by the LSRP who is submitting this notification in accordance with SRRA Section 16 d. and Section 30 b.2.

I certify that I am a Licensed Site Remediation Professional authorized pursuant to N.J.S.A. 58:10C to conduct business in New Jersey. As the Licensed Site Remediation Professional of record for this remediation, I:

[SELECT ONE OR BOTH OF THE FOLLOWING AS APPLICABLE]:

☒ *directly oversaw and supervised all of the referenced remediation, and\or*

☒ *personally reviewed and accepted all of the referenced remediation presented herein.*

I believe that the information contained herein, and including all attached documents, is true, accurate and complete.

It is my independent professional judgment and opinion that the remediation conducted at this site, as reflected in this submission to the Department, conforms to, and is consistent with, the remediation requirements in N.J.S.A. 58:10C-14.

My conduct and decisions in this matter were made upon the exercise of reasonable care and diligence, and by applying the knowledge and skill ordinarily exercised by licensed site remediation professionals practicing in good standing, in accordance with N.J.S.A. 58:10C-16, in the State of New Jersey at the time I performed these professional services.

I am aware pursuant to N.J.S.A. 58:10C-17 that for purposely, knowingly or recklessly submitting false statement, representation or certification in any document or information submitted to the board or Department, etc., that there are significant civil, administrative and criminal penalties, including license revocation or suspension, fines and being punished by imprisonment for conviction of a crime of the third degree.

LSRP Signature: Date: 6/29/10

LSRP Name/Title: Christopher Schmitt/LSRP **No Changes Since Last Submittal** ☒

Company Name: Haley & Aldrich, Inc.

Submit this form to the assigned case manager. If there is no assigned case manager, submit this form to:

Bureau of Case Assignment & Initial Notice
New Jersey Department of Environmental Protection
Site Remediation Program
401 East State Street, PO Box 434
Trenton, NJ 08625

APPENDIX D

NJDEP Remedial Investigation Report Form

New Jersey Department of Environmental Protection
Site Remediation Program

REMEDIAL INVESTIGATION REPORT FORM

☐ Non-LSRP (Existing Cases) ☒ LSRP ☐ Subsurface Evaluator

Date Stamp
(For Department use only)

SECTION A. SITE NAME AND LOCATION

Site Name: Replacement of the 14th Street Viaduct over Conrail and Local Streets Structure No. 0900-016

List all AKAs: 14th Street Viaduct

Street Address: 14th Street from Manhattan Avenue (City of Union City) to Willow Avenue (Hoboken), New Jersey

Municipality: Union City and City of Hoboken (Township, Borough or City)

County: Hudson Zip Code: 07087

Mailing Address if different than street address: refer to Section O

Program Interest (PI) Number(s): None yet assigned Case Tracking Number(s): 10-0420-1310-04

Date Remediation Initiated Pursuant to N.J.A.C. 7:26C-2.2 or 2.3(b): 04/20/2010

State Plane Coordinates for a central location at the site: Easting: 621600 Northing: 700094

Municipal Block(s) and Lot(s): Block # N/A (public right-of-way) Lot # N/A (public right-of-way)

Block # _____ Lot # _____ Block # _____ Lot # _____

Block # _____ Lot # _____ Block # _____ Lot # _____

Block # _____ Lot # _____ Block # _____ Lot # _____

Block # _____ Lot # _____ Block # _____ Lot # _____

SECTION B. REQUIRED TECHNICAL SUBMITTALS

	Not Applicable	Included in this Submission	Previously Submitted	Date of Submission	Date of Revised Submission
Immediate Environmental Concern Report	☒	☐	☐		
Immediate Response Action Plans	☒	☐	☐		
Preliminary Assessment Report	☒	☐	☐		
Receptor Evaluation	☐	☒	☐		
Site Investigation Report	☐	☒	☐		
Remedial Investigation/Remedial Action Work Plan	☒	☐	☐		
Feasibility Study Report	☒	☐	☐		
Response Action Outcome Report	☒	☐	☐		
Permit Application	☒	☐	☐		

SECTION C. SITE USE

Current Site Use (check all that apply)

☐ Industrial ☐ Agricultural
☐ Residential ☐ Park or recreational use
☐ Commercial ☐ Vacant
☐ School or child care ☒ Government
☒ Other Public Highway

Intended Future Site Use, if known (check all that apply)

☐ Industrial ☒ Park or recreational use
☐ Residential ☐ Vacant
☐ Commercial ☒ Government
☐ School or child care ☐ Future site use unknown

SECTION D. PUBLIC FUNDS

Did the remediation utilize public funds? ☐ Yes ☒ No

If "Yes," check applicable: ☐ UST Grant ☐ UST Loan ☐ Brownfield Reimbursement Program
☐ HDSRF Grant ☐ HDSRF Loan ☐ Landfill Reimbursement Program
☐ Spill Fund ☐ Schools Development Authority

SECTION E. SCOPE OF THE REMEDIAL INVESTIGATION REPORT

☐ Area(s) of Concern Only (If submitted for specific AOC(s), attach Section H2 of the PA/SI form.)
☒ Full Site (based on a completed and submitted Preliminary Assessment/Site Investigation)

Is the Remedial Investigation complete? ☒ Yes ☐ No

SECTION F. SITE CONDITIONS

1. Check each media-type and highest concentration of contamination currently present above any applicable standards/criteria:

Soil in ppm						GW = Ground Water in ppb						SW = Surface Water in ppb						Sed = Sediment in ppm					
	Soil ppm	GW ppb	SW ppb	Sed ppm			Soil ppm	GW ppb	SW ppb	Sed ppm			Soil ppm	GW ppb	SW ppb	Sed ppm			Soil ppm	GW ppb	SW ppb	Sed ppm	
*VOCs	☒	☒	☐	☐	<100		☐	☐	☐	☐	100–1,000		☐	☐	☐	☐	>1,000
*SVOCs	☐	☐	☐	☐	<100		☒	☐	☐	☐	100–1,000		☐	☒	☐	☐	>1,000
*PAHs	☐	☒	☐	☐	<10		☒	☐	☐	☐	10–100		☐	☐	☐	☐	>100
*Metals	☐	☐	☐	☐	<100		☐	☐	☐	☐	100–1,000		☒	☒	☐	☐	>1,000
PCBs	☒	☐	☐	☐	<10		☐	☐	☐	☐	10–100		☐	☐	☐	☐	>100
*Pesticides	☒	☒	☐	☐	<1		☐	☐	☐	☐	1-10		☐	☐	☐	☐	>10
Dioxin (ppb)	☐	☐	☐	☐	<1 ppb		☐	☐	☐	☐	1-10 ppb		☐	☐	☐	☐	>10 ppb
Chromium	☐	☐	☐	☐	<100		☒	☒	☐	☐	100–1,000		☐	☐	☐	☐	>1,000
Mercury	☒	☒	☐	☐	<100		☐	☐	☐	☐	100–1,000		☐	☐	☐	☐	>1,000
Arsenic	☐	☐	☐	☐	<10		☒	☐	☐	☐	10–100		☐	☒	☐	☐	>100
TPHC	☐			☐	<1,700		☐			☐	1,700–5,100		☒			☐	>5,100

2. For any contaminant group (*) checked above, identify the compound/element with the highest concentration over its applicable remediation standard:

   Benzene | Benzo[a]anthrace | 2-Methylnaphthale | Naphthalene | Arsenic

3. Were the laboratory reporting minimum detection limits below applicable remediation standards/ criteria required for the site? ☒ Yes ☐ No

4. Are any of the following conditions currently present (check all that apply):

Groundwater:

☒ Contaminated ground water in the overburden aquifer
☐ Contaminated ground water in a confined aquifer
☐ Contaminated ground water in the bedrock aquifer
☐ Contaminated ground water in multiple aquifer units
☐ Multiple distinct ground water plumes
☐ Contaminated ground water migrating off-site
☐ Co-mingled on-site ground water plumes
☐ Co-mingled ground water plumes from both on-site and off-site sources
☐ Contaminated ground water discharging to surface water
☐ Residual or free product
☐ Radionuclides

Soil:

☐ On-site discharge(s) impacting soil off-site
☐ Chromate Production Waste
☐ Munitions and explosives of concern
☒ Contaminated soil in the saturated zone
☐ Historic pesticide impacts to soil
☐ Residual or free product
☐ Radionuclides
☒ Historic Fill
☐ Soil contamination due to naturally occurring background conditions

SECTION G. APPLICABLE REMEDIATION STANDARDS

Indicate the Remediation Standards used for all compounds (check all that apply).

☒ Default (check all that apply below)
☒ Direct Contact ☒ Impact to Groundwater Soil Screening Levels ☐ Ecological Screening Levels

☐ Alternate Remediation Standards for the Ingestion/Dermal Pathway

☐ Alternate Remediation Standards for the Inhalation Pathway

☐ Site Specific Standards for the Impact to Groundwater Pathway (check all that apply below)
☐ Soil-Water Partitioning Equation ☐ SPLP ☐ Sesoil ☐ Sesoil/AT123D

☐ Ecological Remediation Goals

What is the ground water classification for this site as per N.J.A.C. 7:9C (check all that apply)?

☐ Class I-A ☒ Class II-A
☐ Class I-PL Pinelands Protection Area ☐ Class III-A
☐ Class I-PL Pinelands Preservation Area ☐ Class III-B

SECTION H. BACKGROUND CONDITIONS

1. Have all contaminants found in soil and ground water on site been linked to on-site areas of concern? ..... ☒ Yes ☐ No
2. Did the RI demonstrate via a background investigation, outside the influence of on-site AOCs **and** operational areas, that:
   a. all or any part of the ground water contamination is migrating onto this site per N.J.A.C. 7:26E-3.7(g)? ..... ☐ Yes ☒ No ☐ NA
   b. soil contamination is naturally occurring per N.J.A.C. 7:26E-3.10 ..... ☐ Yes ☒ No ☐ NA

SECTION I. ALTERNATIVE STANDARD / DEVIATIONS

Alternative remediation standard

If proposing an alternative remediation standard pursuant to N.J.A.C. 7:26D-7.4, check here and attach the Alternative Soil Remediation Standard Application Form as an addendum. ☐

Deviation from regulations

If the Licensed Site Remediation Professional has varied from the Technical Rules, provide the citation(s) from which the remediation varied and the page(s) in the attached document where the rationale for the deviation is provided.

N.J.A.C. 7:26E- _____ Page _____

N.J.A.C. 7:26E- _____ Page _____

N.J.A.C. 7:26E- _____ Page _____

SECTION J. HISTORIC FILL

1. The presence of historic fill is supported by (check all that apply):
   ☒ Boring logs ☐ Test Pits ☐ Trenches ☐ Aerial Photos ☒ NJDEP Mapped Areas
   ☐ No historic fill identified at the site. If none, skip to K. below.
2. How was the historic fill characterized pursuant to N.J.A.C. 7:26E-4.6 (check all that apply)?
   ☐ Samples were collected outside areas potentially impacted by on-site operations (i.e., AOC(s))
   ☒ Contaminant levels in Table 4.2 at N.J.A.C. 7:26E-4.6
3. Are any other AOCs (i.e. location of discharge and any contaminants that may have migrated from that area) located within the defined boundaries of the historic fill? ..... ☐ Yes ☒ No
   If "No," skip to K. below
4. Have the same contaminant type(s) (e.g., lead, arsenic, and/or benzo(a)pyrene, etc.) characterized as being present in the historic fill been **sampled for** as a contaminant of concern at these co-located AOCs? ..... ☐ Yes ☐ No

SECTION K. GROUND WATER TRIGGER

Was a ground water investigation conducted at all AOCs where a ground water investigation was triggered pursuant to N.J.A.C. 7:26E-4.4 (a)? ..... ☒ Yes ☐ No ☐ NA

SECTION L. GROUND WATER REMEDIAL INVESTIGATION INFORMATION

1. Were any monitor wells installed in unconfined aquifers in which the water table is higher than the top of the well screen? ☐ Yes ☒ No

   If "Yes," identify the affected wells _____

2. If ground water in the bedrock aquifer is contaminated, were bedrock cores collected and/or were geophysical logging methods conducted to characterize the bedrock aquifer pursuant to N.J.A.C. 7:26E-4.4(g)5? ☐ Yes ☐ No ☒ NA

SECTION M. LABORATORY DATA

1. Were all data submitted in the appropriate full and/or reduced formats according to the deliverables defined in N.J.A.C. 7:26E-2? ☒ Yes ☐ No
2. Do all data submitted meet the quality assurance/quality control (QA/QC) requirements incorporated by reference in N.J.A.C. 7:26E-2 for:
   - sampling ☒ Yes ☐ No
   - analysis ☒ Yes ☐ No
3. How was it determined that the data complied with the QA/QC requirements?
   - ☒ Laboratory non-conformance summary/narrative
   - ☐ Laboratory correspondence
   - ☒ LSRP review
   - ☐ Independent contractor review
   - ☐ Other: _____
4. Has any data been qualified and used? ☐ Yes ☒ No
5. Has any data been rejected and used? ☐ Yes ☒ No
6. If clean fill has been brought onto the site, has it been analyzed? ☐ Yes ☐ No
7. Comments:

No clean fill was brought onto the site.

SECTION N. MISCELLANEOUS

1. Were any regulated USTs identified during the course of the RI that were not previously known? ☐ Yes ☒ No

   If "Yes," list tank size, contents and registration number(s). _____

2. If "Yes," to item M.1. above and if these USTs were Federally Regulated, was the source/cause of release identified on a Confirmed Discharge Notification form? ☐ Yes ☐ No

   If "No," complete and submit a revised Confirmed Discharge Notification form.

3. Identify Remedial Measures (RMs) conducted during the RI (check all that apply):
   - ☐ Soil excavation
   - ☐ Potable water supply treatment or replacement
   - ☐ Hydraulic containment of source area
   - ☐ Soil vapor extraction
   - ☐ Enhanced fluid recovery (EFR)
   - ☐ UST closure
   - ☐ Free product recovery
   - ☐ Vapor intrusion mitigation
   - ☒ No RMs were conducted during the RI
   - ☐ Other(s), specify: _____
4. Did the remedial investigation include sampling to characterize any on-site contaminated media for either on-site or off-site reuse? ☐ Yes ☒ No
5. Has new information (material facts, data or other information) been generated during the RI that corrects or contradicts information, or changes conclusions from, previously submitted reports or information? ☐ Yes ☒ No

   If "Yes," explain: _____

SECTION O. PERSON RESPONSIBLE FOR CONDUCTING THE REMEDIATION INFORMATION AND CERTIFICATION

Full Legal Name of the Person Responsible for Conducting the Remediation: Hudson County Office of County Engineer

Representative First Name: Demetrio Representative Last Name: Arencibia

Title: Assistant County Engineer

Phone Number: (201) 369-4342 Ext: Fax: (201) 369-4346

Mailing Address: 595 County Avenue, Building 3, Floor 2

City/Town: Secaucus State: NJ Zip Code: 07094

Email Address: darencibia@hcnj.us

Developer Certification Included ☐ or Filed _____ Date of Filing

This certification shall be signed by the person responsible for conducting the remediation who is submitting this notification in accordance with Administrative Requirements for the Remediation of Contaminated Sites rule at N.J.A.C. 7:26C-1.5(a).

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein, including all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, to the best of my knowledge, I believe that the submitted information is true, accurate and complete. I am aware that there are significant civil penalties for knowingly submitting false, inaccurate or incomplete information and that I am committing a crime of the fourth degree if I make a written false statement which I do not believe to be true. I am also aware that if I knowingly direct or authorize the violation of any statute, I am personally liable for the penalties.

Signature: Date: 7/7/10

Name/Title: Demetrio Arencibia/ Assistant County Engineer **No Changes Since Last Submittal** ☒

SECTION P. LICENSED SITE REMEDIATION PROFESSIONAL INFORMATION AND STATEMENT

LSRP ID Number: 511986

First Name: Christopher Last Name: Schmitt

Phone Number: (973) 658-3904 Ext: Fax: (973) 658-3954

Mailing Address: 299 Cherry Hill Road, Suite 105

City/Town: Parsippany State: NJ Zip Code: 07054

Email Address:

This statement shall be signed by the LSRP who is submitting this notification in accordance with SRRA Section 16 d. and Section 30 b.2.

I certify that I am a Licensed Site Remediation Professional authorized pursuant to N.J.S.A. 58:10C to conduct business in New Jersey. As the Licensed Site Remediation Professional of record for this remediation, I:

[SELECT ONE OR BOTH OF THE FOLLOWING AS APPLICABLE]:

☒ *directly oversaw and supervised all of the referenced remediation, and\or*

☒ *personally reviewed and accepted all of the referenced remediation presented herein.*

I believe that the information contained herein, and including all attached documents, is true, accurate and complete.

It is my independent professional judgment and opinion that the remediation conducted at this site, as reflected in this submission to the Department, conforms to, and is consistent with, the remediation requirements in N.J.S.A. 58:10C-14.

My conduct and decisions in this matter were made upon the exercise of reasonable care and diligence, and by applying the knowledge and skill ordinarily exercised by licensed site remediation professionals practicing in good standing, in accordance with N.J.S.A. 58:10C-16, in the State of New Jersey at the time I performed these professional services.

I am aware pursuant to N.J.S.A. 58:10C-17 that for purposely, knowingly or recklessly submitting false statement, representation or certification in any document or information submitted to the board or Department, etc., that there are significant civil, administrative and criminal penalties, including license revocation or suspension, fines and being punished by imprisonment for conviction of a crime of the third degree.

LSRP Signature: Date: 6/29/10

LSRP Name/Title: Christopher Schmitt/LSRP **No Changes Since Last Submittal** ☒

Company Name: Haley & Aldrich, Inc.

Completed forms should be sent to:

Bureau of Case Assignment & Initial Notice
New Jersey Department of Environmental Protection
Site Remediation Program
401 East State Street, PO Box 434
Trenton, NJ 08625

APPENDIX E

Stratigraphic Boring Logs

BORING RECORD SHEET

Client	Hudson County
Project	14th Street Viaduct
Location	Hoboken, City of Union City
Boring Contractor	Jersey Boring & Drilling
Driller	Joe Kurzynowski / Mario
Inspector	B. Issac

Boring No.	**EB-1**
Sheet	1 of 1
Date Started	June 18, 2009
Date Finished	June 18, 2009
Job No.	PR08-0027
Elevation	4.41

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE, NO. & REC. (in.)	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
0						
	10		S1	0		Medium dense, dark brown, coarse to fine SAND, little Silt, little fine Gravel, with concrete, brick, glass fragments, dry to moist.
		8	12			
		10				
	7			2		
	10		S2	2		Medium dense, dark brown, coarse to fine SAND, little Silt, trace fine Gravel, with fragments of concrete, glass etc., dry to moist.
		8	8			
		9				
	6			4		
	5		S3	4		Similar to above, wet
5'		2	3			
		2				
	3			6		
	3		S4	6		Similar to above with light petroleum like odor.
		3	15			
		4				
	3			8		
	1		S5	8		Very loose, dark brown, coarse to fine SAND, trace Silt, and fine Gravel, wet.
		1	3			
		1				
10'	1			10	Fill	
	3		S6	10		Loose, dark brown, coarse to fine Sand, some Silt, trace fine Gravel, wet, with concrete and brick fragments, light petroleum like odor
		3	12			
		2				
	3			12		
	3		S7	12		Loose, dark brown, coarse to fine Sand, some Silt, trace fine Gravel, wet, with concrete and brick fragments, light petroleum like odor
		4	8			
		3				
	1			14		
	10		S8	14		Loose, dark brown, coarse to fine Sand, some Silt, trace fine Gravel, wet, with concrete and brick fragments, light petroleum like odor
15'		8	15			
		10				
	8			16		
	3		S9	16		Loose, dark brown, coarse to fine Sand, some Silt, trace fine Gravel, wet, with concrete and brick fragments, light petroleum like odor
		4	9			
		7				
	7			18		
	7		S10	18		Loose, dark brown, coarse to fine Sand, some Silt, trace fine Gravel, wet, with concrete and brick fragments, light petroleum like odor
		7	8			
		9				
20	9			20		
						Bottom of Exploration at 20ft depth

S- SAMPLE TYPE: S-1 3/8" I.D. SPLIT SPOON

U - UNDISTURBED THIN WALLED TUBE SAMPLE

C - CORE SIZE, I.D.: 2.0 inch TYPE: NX 4" ID

Total Depth (ft)	20
Rock Core (ft)	--
BORING NO.	**EB-1**

BORING RECORD SHEET

Client	Hudson County
Project	14th Street Viaduct
Location	Hoboken, City of Union City
Boring Contractor	Jersey Boring & Drilling
Driller	Joe Kurzynowski / Mario
Inspector	B. Issac

Boring No.	**EB-2**
Sheet	1 of 1
Date Started	June 17, 2009
Date Finished	June 18, 2009
Job No.	PR08-0027
Elevation	4.42

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE, NO. & REC. (in.)	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
0						
	3		S1	0	Fill	Medium dense, brown, coarse to fine SAND, some Silt, trace fine Gravel, moist to dry, with concrete and brick fragments.
		4	12			
		7				
	8			2		
	22		S2	2		Medium dense, brown, coarse to fine SAND, some Silt, trace fine Gravel, moist to dry, with concrete and brick fragments .
		8	8			
		20				
	10			4		
	3		S3	4		Loose, dark brown, coarse to fine SAND, little Silt, trace fine Gravel, dry to moist, with brick, concrete fragments.
5'		8	9			
		6				
	7			6		
	1		S4	6		No recovery
		0	0			
		1				
	0			8		
	1		S5	8		Very loose, dark brown, coarse to fine SAND, little Silt, trace fine Gravel, wet, with concrete and brick fragments.
		2	3			
		1				
10'	1			10		
	4		S6	10		Very loose, dark brown, coarse to fine SAND, little Silt, trace fine Gravel, wet, with concrete and brick fragments.
		4	3			
		3				
	4			12		
	4		S7	12	Silty Clay & Peat	Loose, dark brown, coarse to fine SAND, some Clayey Silt, trace fine Gravel, wet, petroleum like odor, organic fibers.
		4	15			
		3				
	3			14		
	6		S8	14		Medium dense, dark brown, coarse to fine SAND, some Silt, and PEAT.
15'		6	18			
		7				
	8			16		
	5		S9	16		Medium dense, dark brown, coarse to fine SAND, some Silt, and PEAT.
		5	12			
		6				
	7			18		
						Bottom of Exploration at 18 ft depth
20'						

S- SAMPLE TYPE: S-1 3/8" I.D. SPLIT SPOON

U - UNDISTURBED THIN WALLED TUBE SAMPLE

C - CORE SIZE, I.D.: 2.0 inch TYPE: NX 4" ID

Total Depth (ft)	18
Rock Core (ft)	--
BORING NO.	**EB-2**

BORING RECORD SHEET

Client	Hudson County
Project	14th Street Viaduct
Location	Hoboken, City of Union City
Boring Contractor	Jersey Boring & Drilling
Driller	Joe Kurzynowski / Mario
Inspector	B. Issac

Boring No.	EB-4
Sheet	1 of 1
Date Started	July 2, 2009
Date Finished	July 2, 2009
Job No.	PR08-0027
Elevation	5.68

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE, NO. & REC. (in.)	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
0						Asphalt paved surface
		43	S1	6"	Fill	Dark brown, coarse to fine SAND, little Silt, with concrete and cinder fragments.
		15	7			
	23			2		
	10		S2	2		Dark brown, coarse to fine SAND, little Silt, with concrete, cinder, and brick fragments.
		19	14			
		36				
	35			4		
	17		S3	4		Dark brown, coarse to fine SAND, little Silt, with concrete, cinder, and brick fragments.
5'		23	14			
		12				
	13			6		
	12		S4	6		Dark brown, coarse to fine SAND, little Silt, with concrete, cinder, brick fragments and green oil like material (OLM).
		27	12			
		17				
	10			8		
	2		S5	8		Dark brown, coarse to fine SAND, little Silt, with concrete, cinder, and brick fragments and green OLM.
		3	6			
		2				
10'	3			10		
	1		S6	10		Dark brown, coarse to fine SAND, little Silt, with concrete, cinder, brick fragments and green OLM.
		1	13			
		1				
	2			12		
	1		S7	12	Silty Clay & Peat	Brown, coarse to fine Sand, some Silty Clay and PEAT with green oily stain.
		1	15			
		1				
	1			14		
	1		S8	14		Brown, coarse to fine Sand, some Silty Clay and PEAT with green oily stain.
15'		2	22			
		1				
	2			16		
	5		S9	16		Brown, coarse to fine Sand, some Silty Clay and PEAT with green oily stain.
		4	22			
		3				
	7			18		
	6		S10	18		Brown, coarse to fine Sand, some Silty Clay and PEAT with green oily stain.
		5	22			
		5				
20'	4			20		
						Bottom of Exploration at 20 ft depth

S- SAMPLE TYPE: S-1 3/8" I.D. SPLIT SPOON

U - UNDISTURBED THIN WALLED TUBE SAMPLE

C - CORE SIZE, I.D.: 2.0 inch TYPE: NX 4" ID

Total Depth (ft)	20
Rock Core (ft)	--
BORING NO.	EB-4

BORING RECORD SHEET

Client	Hudson County
Project	14th Street Viaduct
Location	Hoboken, City of Union City
Boring Contractor	Jersey Boring & Drilling
Driller	Joe Kurzynowski / Mario
Inspector	Greg Menzel

Boring No.	**B-101**
Sheet	1 of 1
Date Started	July 7, 2009
Date Finished	July 7, 2009
Job No.	PR08-0027
Elevation	92.32

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE, NO. & REC. (in.)	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
0					Topsoil	
	4			0		Dense, brown fm, tr. f. Gravel, lt. f. Gravel; organic odor.
		5				
		34				
	23			2		
	25			2		Very dense, brown fm SAND, tr. f. Gravel, lt. f. Gravel, tr. Silt.
		33				
		34				
	11			4		
	4			4	Decomp. Rock	Rock fragments
5'		6				
		100/3"				
				6		
			C1	6	Bedrock	Recovery 46/60=76% RQD 28/60=46%
10'						
				11		
			C2	11		Rock core from 11' to 16' Recovery 56/60=93% RQD 53/60=88%
15'						
				16		
			C3	16		Rock core 16' to 21' Recovery 47/60=78% RQD 41/60=68%
20'						
						Bottom of Exploration at 21' Depth

S- SAMPLE TYPE: S-1 3/8" I.D. SPLIT SPOON

U - UNDISTURBED THIN WALLED TUBE SAMPLE

C - CORE SIZE, I.D.: 2.0 inch TYPE: NX CASING: 4" ID

Total Depth (ft)	21
Rock Core (ft)	15
BORING NO.	**B-101**

BORING RECORD SHEET

Client	Hudson County
Project	14th Street Viaduct
Location	Hoboken, City of Union City
Boring Contractor	Jersey Boring & Drilling
Driller	Joe Kurzynowski / Mario
Inspector	Greg Menzel

Boring No.	**B-102**
Sheet	1 of 2
Date Started	July 8, 2009
Date Finished	July 9, 2009
Job No.	PR08-0027
Elevation	79.3

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE, NO. & REC. (in.)	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
0						
	8		S1	0	Fill	Hard, red-brown, SILT, tr. f. Sand, tr f Gravel.
		16	16			
		24				
	26			2		
	14		S2	2		Medium dense, brown, f. SAND & Silt, tr f. Gravel.
		13	3			
		13				
	4			4		
	15		S3	4		Medium dense, brown, f. SAND & Silt, tr f. Gravel.
5'		16	10			
		100/1"				
				6		
	31		S4	6		Medium dense, brown, f. SAND & Silt, tr f. Gravel.
		100/3"	3			
				8		
	19		S5	8		Very dense, dark brown, m SAND, tr. f. Gravel, tr cobbles
		65	6			
		100/1"	C1	9	Bedrock	Recovery: 52/60=86% RQD: 4/60=6%
10'			52			
						Hard, fresh, gray, fine-grained, Diabase, igneous. Bedding very thick, primary joint set, moderately dipping to high angle, very close to close, rough, stepped, fresh, tight.
				14		
			C2	14		Recovery: 57/60=95% RQD: 35/60=58%
15'						Hard, fresh, gray, fine-grained, Diabase, igneous. Bedding very thick, primary joint set, moderately dipping to high angle, very close to close, rough, stepped, fresh, tight.
				19		
			C3	19		Recovery: 42/60=70% RQD: 26/60=43%
20'						

S- SAMPLE TYPE: S-1 3/8" I.D. SPLIT SPOON

U - UNDISTURBED THIN WALLED TUBE SAMPLE

C - CORE SIZE, I.D.: 2.0 inch TYPE: NX CASING: 4" ID

Total Depth (ft)	24
Rock Core (ft)	15
BORING NO.	**B-102**

BORING RECORD SHEET

Boring No. **B-102**
Sheet 2 of 2
Job No. PR08-0027

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE & NO.	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
20'						
					Bedrock	Hard, fresh, gray, fine-grained, Diabase, igneous. Bedding very thick, primary joint set, horizontal, very close to moderate, rough, stepped, fresh, tight to open
				24		
						Bottom of Exploration at 24 ft Depth
25'						
30'						
35'						
40'						

BORING NO. **B-102**

BORING RECORD SHEET

Client	Hudson County
Project	14th Street Viaduct
Location	Hoboken, City of Union City
Boring Contractor	Jersey Boring & Drilling
Driller	Joe Kurzynowski/Mario Ferriera
Inspector	B. Issac

Boring No.	**B103**
Sheet	1 of 3
Date Started	June 15, 2009
Date Finished	June 16, 2009
Job No.	PR08-0027
Elevation	4.91

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE, NO. & REC. (in.)	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
0						Vegetation on the surface.
	7		S1	0	Fill	dark brown, coarse to fine SAND, little Silt, trace fine Grave, dry, with brick and concrete fragments and pieces.
		21	15			
		24				
	31			2		
	16		S2	2		Medium dense, brown, coarse to fine SAND, little Silt, trace fine Gravel, moist to wet, with brick and concrete fragment.
		9	12			
		5				
	5			4		
	1		S3	4		Very loose, brown to dark brown, coarse to fine SAND, little Silt, wet, trace fine Gravel.
5'		1	18			
		2				
	1			6		
	2		S4	6		Very loose, brown to dark brown, coarse to fine SAND, little Silt, trace fine Gravel, wet, with brick and concrete fragments.
		8	18			
		7				
	6			8		
	6		S5	8		Very loose, brown to dark brown, coarse to fine SAND, wet, little Silt, trace fine Gravel.
		8	3			
		6				
10'	6			10		
	3		S6	10		Dark brown, coarse to fine SAND, and concrete fragments. Bottom 6": Dark brown, Silty Clay, with little organic Silt / Clay.
		2	9			
		2				
	2			12	Silty Clay & Peat	
15'						
	WH		S7	15		Very soft, dark brown, PEAT and Silty Clay, (approx. 60% - 75% organics), organic odor with slight petroleum like odor. PID = 0.8 PPM
		WH	15			
		2				
	1			17		
					Silty Clay	
20'						

S- SAMPLE TYPE: S-1 3/8" I.D. SPLIT SPOON

U - UNDISTURBED THIN WALLED TUBE SAMPLE

C - CORE SIZE, I.D.: 2.0 inch TYPE: NX CASING: 4" ID

Total Depth (ft)	59
Rock Core (ft)	15
BORING NO.	**B103**

BORING RECORD SHEET

Boring No. **B103**
Sheet 2 of 3
Job No. PR08-0027

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE & NO.	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
20'						
	WR		S8	20	Silty Clay	Very soft, dark gray, SILTY CLAY, with organic (<5%), organic odor. PP=0.25 tsf
		WR	20			
		WH				
	WH			22		
25'						
	WH		S9	25		Very soft, dark gray, SILTY CLAY, with organic (<5%), organic odor. PP=0.25 tsf
		WH	20			
		WH				
	WH			27		
30'						
	WR		S10	30		Very soft, dark gray, SILTY CLAY, with organic (<5%), organic odor. PP=0.25 tsf
		WR	24			
		WR				
	WR			32		
35'						
	WR		S11	35		Very soft, dark gray, SILTY CLAY, with organic (<5%), organic odor. PP=0.25 tsf
		WR	20			
		WR				
	WR			37		
				38		
					Weathered Bedrock	Loss of drilling fluid reported ≈ 25 gallons
40'						

BORING NO. **B103**

BORING RECORD SHEET

Boring No. **B103**
Sheet 3 of 3
Job No. PR08-0027

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE & NO.	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
40'						
	100/3"		S12	40	Weathered Bedrock	Piece of gray, medium grain, Sandstone.
			1			
				42		
				44		
	4 to 5 min. per ft.	C1		44	Bedrock	Recovery 36/60 =60% RQD: 26/60=43%
45'						
						Hard, slightly weathered, tan, aphanitic to fine grained SANDSTONE.
				49		
	4 min	C2		49		Recovery: 54/60=90% RQD: 32/60=58%
50'						Hard, fresh to slightly weathered, light gray and yellow brown, fine grained, SANDSTONE. Bedding, thin to thick, horizontal. Primary joint set, horizontal, close, rough, undulating, fresh to decomposed. Secondary joint set, vertical, extremely close, smooth, planer, fresh to discolored, tight.
	4 to 5 min. per ft.					
				54		
	4 to 5 min. per ft.			54		Recovery: 56/60 =93% RQD: 54/60=90%
55'						Hard, fresh, fine grained, light gray, SANDSTONE. Bedding, thick, horizontal. Primary joint set, horizontal, wide, smooth, undulating, fresh. Secondary joint set, vertical, extremely close, rough, undulating, fresh, tight.
				59		
						Bottom of exploration at 59 ft depth
60'						

BORING NO. **B103**

BORING RECORD SHEET

Client	Hudson County
Project	14th Street Viaduct
Location	Hoboken, City of Union City
Boring Contractor	Jersey Boring & Drilling
Driller	Keith Elliott / Barry Elliott
Inspector	B. Issac / T. Enright

Boring No.	**B104**
Sheet	1 of 6
Date Started	June 15, 2009
Date Finished	June 16, 2009
Job No.	PR08-0027
Elevation	3.87

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE, NO. & REC. (in.)	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
0						
	100/6"		S1	0	Fill	Dark brown, coarse to fine SAND, some Silt, trace fine Gravel, with concrete fragments.
			6			Spoon refusal at 6" depth: drilled through approximate 9" of hard material likely asphalt.
				2		
	23		S2	2		Concrete and asphalt pieces, little coarse to fine SAND, trace fine Gravel.
		13	9			
		7				
	7			4		
	15		S3	4		Dense, dark brown, coarse to fine SAND, some Silt, little fine Gravel, wet, with concrete fragments.
5'		24	15			
		14				
	9			6		
	8		S4	6		Dense, dark brown, coarse to fine SAND, some Silty Clay, trace fine Gravel, wet, with concrete fragments.
		50	15			
		22				
	14			8		
	5		S5	8		Medium dense, dark brown, coarse to fine SAND, little Silt, little fine Gravel, with Gravel, with concrete fragments and cinders.
		6	12			
		8				
10'	14			10		
	7		S6	10		No recovery, with 2" and 3" split spoon
		7	0			
		6				
	8			12		
15'						
	1		S7	15		Very soft, gray, SILTY CLAY with cinder fragments.
		WH	1			
		WH				
	WH			17		
					Silty Clay	
20'						

S- SAMPLE TYPE: S-1 3/8" I.D. SPLIT SPOON

U - UNDISTURBED THIN WALLED TUBE SAMPLE

C - CORE SIZE, I.D.: 2.0 inch TYPE: NX CASING: 4" ID

Total Depth (ft)	115
Rock Core (ft)	10
BORING NO.	**B104**

BORING RECORD SHEET

Boring No. **B104**
Sheet 2 of 6
Job No. PR08-0027

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE & NO.	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
20'						
	WH		S8	20	Silty Clay	Very soft, dark gray, SILTY CLAY with trace organic matter.
		WH	24			PP < 0.25 tsf
		WH				
	WH			22		
25'						
	WH		S9	25		Very soft, dark gray, SILTY CLAY
		WH	20			
		WH				
	WH			27		
30'						
	WH		S10	30		Very soft, dark gray, SILTY CLAY with trace organic matter.
		WH	24			
		WH				
	WH			32		
35'						
	WH		S11	35		Very soft, dark gray, SILTY CLAY with trace organic matter.
		WH	24			
		WH				
	WH			37		
40'						

BORING NO. **B104**

BORING RECORD SHEET

Boring No. **B104**
Sheet 3 of 6
Job No. PR08-0027

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE & NO.	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
40'						
	WH		S12	40	Silty Clay	Very soft, dark gray, SILTY CLAY with trace organic matter.
		WH	24			
		WH				PP < 0.25 tsf
	WH			42		
45'						
	WH		S13	45		Very soft, dark gray, SILTY CLAY with trace organic matter.
		WH	24			
		WH				PP < 0.25 tsf
	WH			47		
50'						
	WH		S14	50		Very soft, dark gray, SILTY CLAY, trace organic matter, trace shells.
		WH	24			
		WH				PP < 0.25 tsf
	WH			52		
55'						
	WH		S15	55		Very soft, dark gray, SILTY CLAY, trace organic matter, trace shells.
		WH	24			
		WH				PP < 0.25 tsf
	WH			57		
60'						

BORING NO. **B104**

BORING RECORD SHEET

Boring No. **B104**
Sheet 4 of 6
Job No. PR08-0027

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE & NO.	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
60'						
	WH		S16	60	Silty Clay	Very soft, dark gray, SILTY CLAY, trace organic matter, trace shells.
		WH	24			
		WH				PP < 0.25 tsf
	WH			62		
65'						
	WH		S17	65		Very soft, dark gray, SILTY CLAY, trace organic matter, trace shells.
		WH	24			
		WH				PP < 0.25 tsf
	WH			67		
70'						
	WH		S18	70		Very soft, dark gray, SILTY CLAY, trace organic matter, trace shells.
		WH	24			
		WH				PP < 0.25 tsf
	WH			72		
75'						
	WH		S19	75		Very soft, dark gray, SILTY CLAY, trace organic matter, trace shells.
		WH	24			
		WH				PP < 0.25 tsf
	WH			77		
80'						

BORING NO. **B104**

BORING RECORD SHEET

Boring No.	**B104**
Sheet	5 of 6
Job No.	PR08-0027

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE & NO.	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
80'						
	WH		S20	80	Silty Clay	Very soft, dark gray, SILTY CLAY, trace organic matter, trace shells.
		WH	24			
		WH				PP < 0.25 tsf
	WH			82		
85'						
	WH		S21	85		Top 6": Very soft, dark gray, SILTY CLAY, trace organic matter, trace shells.
		WH	24		Peat & Silt / Organic Silt	
		WH				Stiff, dark brown, PEAT and Silt organic odor. (organic Silt, consolidated)
	WH			87		
90'						
	4		S22	90		90'-91': Similar to S19 PEAT & Silt
		9	18			
		19			Sand & Gravel	91'-92' Medium dense, gray, coarse to fine SAND, overlying, fine gray Gravel
	100/5"			92		
						Difficult roller bit advance to 97'
95'						
	19		S23	95		Very dense, light gray, coarse to fine SAND, little Silt, weathered bedrock (SANDSTONE).
		18	8			
		100/5"			Weather Bedrock	
				97		
			C1			Recovery: 24/60 = 40% RQD= 0 Light gray, fine grained, SANDSTONE. Highly weathered rock.
100'						

BORING NO. **B104**

BORING RECORD SHEET

Boring No.	**B104**
Sheet	6 of 6
Job No.	PR08-0027

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE & NO.	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
100'						
					Weather Bedrock	
				102		
			C2	102		Recovery: 14" RQD = 0
						Dark gray, fine grained, SANDSTONE. Highly weathered rock.
105'				105		
	Approx. 6 min. per ft		C3	105	Bedrock	Hard, fresh, gray to tan, aphanitic to fine grained, SANDSTONE. Bedding, horizontal, thin to extremly thin. Primary joint set, horizontal, moderate spacing, rough, undulating, decomposed, tight. Secondary joint, vertical, rough, undulating, fresh, tight.
						Recovery 60/60=100%
						RQD 44/60=73%
110'				110		
			C4	110		110' - 110.5' Similar to C3: Fine grained.
						110.5' - 115': Hard, fresh, medium to coarse grained , gray ,SANDSTONE. Bedding, horizontal, thin to medium. Joint set, horizontal, wide, rough, undulating, discolored, tight.
						Recovery 59/60=98%
						RQD 55/60=92%
115'						
						Bottom of Exploration at 115' Depth
120'						

BORING NO. **B104**

BORING RECORD SHEET

Client	Hudson County
Project	14th Street Viaduct
Location	Hoboken, City of Union City
Boring Contractor	Jersey Boring & Drilling
Driller	Keith Elliott / Barry Elliott
Inspector	B. Issac

Boring No.	**B105**
Sheet	1 of 7
Date Started	June 5, 2009
Date Finished	June 11, 2009
Job No.	PR08-0027
Elevation	3.91

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE, NO. & REC. (in.)	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
0					Fill	Light vegetation on the ground
	20		S1	0		Medium dense, dark brown, coarse to fine SAND, trace Silt, and fine gravel; dry, with brick and concrete fragments, Encountered concrete block at 1ft.
		100/5	7			
				2		
	28		S2	2		Medium dense, dark brown, coarse to fine SAND, trace to little Silt, and fine Gravel, dry, with concrete and brick fragments.
		12	15			
		9				
	9			4		
	9		S3	4		Medium dense, dark brown, coarse to fine SAND, little Silt, little fine Gravel, wet, with concrete fragments.
5'		11	12			
		6				
	4			6		
	28		S4	6		Medium dense, dark brown, coarse to fine SAND, trace to little Silt, and fine Gravel, dry, with concrete brick fragments.
		24	9			
		20				
	22			8		
	1		S5	8		Medium dense, dark brown, coarse to fine SAND, trace to little Silt, and fine Gravel, dry, with concrete brick fragments.
		2	3			
		5				
10'	7			10		
	5		S6	10		Medium dense, dark brown, coarse to fine SAND, trace to little Silt, and fine Gravel, dry, with concrete brick fragments.
		12	3			
		6				
	7			12		
15'						
	1		S7	15	Peat	Very soft, dark brow to gray, PEAT, little Silty Clay, organic odor, approximate 80% to 90% organic fibrous.
		1	20			
		1				
	1			17		
20'						

S- SAMPLE TYPE: S-1 3/8" I.D. SPLIT SPOON

U - UNDISTURBED THIN WALLED TUBE SAMPLE

C - CORE SIZE, I.D.: 2.0 inch TYPE: NX CASING: 4" ID

Total Depth (ft)	131
Rock Core (ft)	10
BORING NO.	**B105**

BORING RECORD SHEET

Boring No. **B105**
Sheet 2 of 7
Job No. PR08-0027

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE & NO.	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
20'						
	WH		S8	20	Peat and Clay	Very soft, brown to gray, PEAT, and Silty Clay; wet, organic odor, approximately 50% to 70% organic content.
		WH	24			
		WH				PP = 0.0 tsf
	WH			22		
	PUSH		U	22		No recovery
			0			
				24		
					Silty Clay	
25'						
	PUSH		U1	25		Dark gray, SILT CLAY, trace fine Sand, trace organic fiber, shells, and an organic odor
			13			
				27		
30'						
	WR		S9	30		Very soft, gray, CLAY, trace fine Sand, with trace organic fibers, shells, and organic odor.
		WR	24			
		WR				PP = 0.0 tsf
	WR			32		
	PUSH		U2	32		Very soft, gray, CLAY, trace fine Sand, with trace organic fibers, shells, and organic odor.
			24			
				34		
35'						
	WR		S10	35		Very soft, gray, CLAY, trace fine Sand, with trace organic fibers, shells, and organic odor.
		WR	24			
		WR				
	WR			37		
40'						

BORING NO. **B105**

BORING RECORD SHEET

Boring No. **B105**
Sheet 3 of 7
Job No. PR08-0027

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE & NO.	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
40'						
	PUSH		U3	40	Silty Clay	Very soft, gray, CLAY, trace fine Sand, with trace organic fibers, shells, and organic odor.
			15			
				42		
45'						
	WR		S11	45		Very soft, gray, CLAY, trace fine Sand, shells, and organic odor.
		WR	9			
		WR				
	WR			47		
50'						
	PUSH		U4	50		Very soft, gray, CLAY, trace fine Sand, shells, and organic odor.
			24			
				52		
55'						
	WR		S12	55		Very soft, gray, CLAY, trace fine Sand, shells, and organic odor.
		WR	24			
		WH				
	WH			57		
60'						

BORING NO. **B105**

BORING RECORD SHEET

Boring No. **B105**
Sheet 4 of 7
Job No. PR08-0027

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE & NO.	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
60'						
	WR		S13	60	Silty Clay	Very soft, gray, CLAY, trace fine Sand, shells, and organic odor.
		WR	24			
		WR				
	WR			62		
65'						
	WR		S14	65		Very soft, gray, CLAY, trace fine Sand, shells, and organic odor.
		WR	14			
		WR				
	WR			67		
70'						
	PUSH		S14	70		Very soft, gray, CLAY, trace fine Sand, shells, and organic odor.
			24			
				72		
75'						
	WR		S15	75		Very soft, gray, CLAY, trace fine Sand, shells, and organic odor.
		WH	18			
		WH				
	WH			77		
80'						

BORING NO. **B105**

BORING RECORD SHEET

Boring No. **B105**
Sheet 5 of 7
Job No. PR08-0027

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE & NO.	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
80'						
	WR		S16	80	Silty Clay	Very soft, gray, CLAY, trace fine Sand, shells, and organic odor.
		WH	24			
		WH				
	WH			82		
85'						
	WR		S17	85		Very soft, gray, CLAY, trace fine Sand, shells, and organic odor.
		WH	12			
		WH				
	WH			87		
					Organic Silt	
90'						
	WR		S18			90'-91': Soft, dark brown, organic SILTY CLAY.
		WR	14	91		
		7	S18A		Sand & Gravel	91'-92': Medium dense, dark gray, cmf SAND, little fine Gravel, trace Silt.
	25		8	92		
95'						
	23		S19	95		Very dense, red-brown, gray, cmf SAND, and f. Gravel and rock fragments.
		33	12			
		28				
	32			97		
100'						

BORING NO. **B105**

BORING RECORD SHEET

Boring No. **B105**
Sheet 6 of 7
Job No. PR08-0027

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE & NO.	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
100'						
	20		S20		Sand & Gravel	Very dense, red-brown, gray, cmf SAND, and f. Gravel and rock fragments.
		100/3	4			
			C1	101		Recovery 20/30=66%
						Dark gray to light gray, cobbles 10 to 18 inches
						Core barrel clogged during drilling.
						Loss of drilling fluid observed during drilling.
				103.5		
105'						
	17		S21	105		Dense coarse SAND and fine Gravel.
		14	4			
		18				
	21			107		
110'						
	13		S22	110		Very dense, gray, brown, coarse to fine SAND, some fine Gravel, little Silt.
		23	20			
		27				
	38			112		
						Loss of drilling fluid reported approx. 50 - 60 gallons
115'						
	100/3		S23	115	Weathered Bedrock	Loss of drilling fluid, crew will drive 3" steel casing to 115'
			3	115.25		
			C1	116		Recovery: 30/60=50% RQD = 0
						Hard, moderately weathered, light brown, medium to fine grained, SANDSTONE. Bedding, medium to thin, horizontal to low angle. Joint set horizontal to low angle, very close, rough, disintegrated.
120						

BORING NO. **B105**

BORING RECORD SHEET

Boring No. **B105**
Sheet 7 of 7
Job No. PR08-0027

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE & NO.	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
120'						
				121		Recovery:60/60=100% RQD: 60/60=100%
			C2	121	Bedrock	Hard, fresh, light brown, fine grained, SANDSTONE. Bedding horizontal, close to extremely close. Joint set, horizontal, moderately to close, rough, undulating, fresh to discolored.
125'						
				126		
			C3	126		Hard, fresh, light gray to dark brown, aphanitc to fine grained, SANDSTONE. Bedding, medium to thin, horizontal to low angle. Joint set, horizontal to low angle, extremely close, rough, stepped, fresh, tight.
130'						
				131		
						Bottom of Exploration at 131ft Depth
135'						
140'						

BORING NO. **B105**

BORING RECORD SHEET

Client	Hudson County
Project	14th Street Viaduct
Location	Hoboken, City of Union City
Boring Contractor	Jersey Boring & Drilling
Driller	Keith Elliott
Inspector	B. Issac

Boring No.	**B106**
Sheet	1 of 7
Date Started	June 30, 2009
Date Finished	July 1, 2009
Job No.	PR08-0027
Elevation	4.47

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE, NO. & REC. (in.)	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
0						Asphalt surface on top 6" thick
	1		S1	0	Fill	Loose, brown, coarse to fine SAND, little Silt, little fine Gravel; with concrete and brick fragments, dry.
		1	8			
		1				
	9			2		
	12		S2	2		Very dense, dark brown, coarse to fine SAND, little silt, trace Gravel; with brick, concrete, cinder fragments, dry.
		38	20			
		26				
	13			4		
	8		S3	4		Medium dense, dark brown, coarse to thick SAND, little Silt, little fine Gravel, with concrete fragments, moist to wet.
5'		7	18			
		10				
	8			6		
	7		S4	6		Medium dense, dark brown, coarse to fine SAND, some fine Gravel, little Silt; with concrete and cinder fragments.
		8	8			
		8				
	32			8		
	12		S5	8		Medium dense, dark brown, coarse to fine Sand, little Silt, little fine Gravel; with concrete and cinder fragments, wet.
		16	4			
		11				
10'	11			10		
						Very loose soils or void, casing free fall to 12ft with roller bit.
					Peat	
15'						
	1		S6	15		Soft, brown, PEAT, little organic Clayey Silt; organic odor, approximately 80% - 90% organic. Additional sample was obtained from this zone using 3" split spoon sample.
		2	3			
		1				
	1			17		
20'						

S- SAMPLE TYPE: S-1 3/8" I.D. SPLIT SPOON

U - UNDISTURBED THIN WALLED TUBE SAMPLE

C - CORE SIZE, I.D.: 2.0 inch TYPE: NX CASING: 4" ID

Total Depth (ft)	125
Rock Core (ft)	10
BORING NO.	**B106**

BORING RECORD SHEET

Boring No. **B106**
Sheet 2 of 7
Job No. PR08-0027

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE & NO.	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
20'						
	WH		S7	20	Peat	Soft, brown, PEAT, little organic Clayey Silt; organic odor, approximately 80% - 90% organic.
		WH	20			
		WH				
	WH			22		
25'						
	WH		S8	25	Silty Clay	Very Soft, gray, SILTY CLAY, organic odor.
		WH	24			
		WH				
	WH			27		
30'						
	WH		S9	30		Very Soft, gray, SILTY CLAY, organic odor.
		WH	24			
		WH				
	WH			32		
35'						
	WH		S10	35		Very Soft, gray, SILTY CLAY, organic odor.
		WH	24			
		WH				
	WH			37		
40'						

BORING NO. **B106**

BORING RECORD SHEET

Boring No. **B106**
Sheet 3 of 7
Job No. PR08-0027

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE & NO.	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
40'						
	WH		S11	40	Silty Clay	Very Soft, gray, SILTY CLAY, organic odor.
		WH	24			
		WH				
	WH			42		
45'						
	WH		S12	45		Very Soft, gray, SILTY CLAY, organic odor.
		WH	24			
		WH				
	WH			47		
50'						
	WH		S13	50		Very Soft, gray, SILTY CLAY, organic odor.
		WH	24			
		WH				
	WH			52		
55'						
	WH		S14	55		Very Soft, gray, SILTY CLAY, organic odor.
		WH	21			
		WH				
	WH			57		
60'						

BORING NO. **B106**

BORING RECORD SHEET

Boring No. **B106**
Sheet 4 of 7
Job No. PR08-0027

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE & NO.	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
60'						
	WH		S15	60	Silty Clay	Very Soft, gray, SILTY CLAY, organic odor.
		WH	24			
		WH				
	WH			62		
65'						
	WH		S16	65		Very Soft, gray, SILTY CLAY, organic odor.
		WH	24			
		WH				
	WH			67		
70'					PEAT	
	WH		S17	70		70'-71-: Stiff, dark brown, PEAT, little Silty Sand.
		7	15	71		
		9		71	Sand & Gravel	71'-72': Gray, fine to medium SAND, trace Silt.
	8			72		
75'						
	8		S18	75		Medium dense, coarse to fine SAND, and Gravel, some Silt.
		8	5			
		9				
	11			77		
80'						

BORING NO. **B106**

BORING RECORD SHEET

Boring No. **B106**
Sheet 5 of 7
Job No. PR08-0027

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE & NO.	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
80'						
	5		S19	80	Sand and Gravel	Medium dense, dark brown, and coarse to fine SAND, little Clayey Silt.
		6	6			
		14				
	10			82		
						Loss of drilling mud reported during boring advance.
85'						
	18		S20	85		Fine GRAVEL, and Silty Sand.
		12	2			
		15				
	18			87		
90'						
	8		S21	90		Medium dense, red-brown, gray, coarse to fine SAND, some fine Gravel, little Silt.
		13	7			
		16				
	16			92		
95'						
	25		S22	95		Gravel blocking the tip of the spoon.
		15	2			
		6				
	5			97		
100'						

BORING NO. **B106**

BORING RECORD SHEET

Boring No. **B106**
Sheet 6 of 7
Job No. PR08-0027

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE & NO.	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
100'						
	4		S23		Sand and Gravel	Coarse to medium SAND, and fine to coarse Gravel.
		4	3			
		6				
	7					
105'						
	6		S24			Medium dense, gray, coarse to fine SAND, trace Silt
		7	4			
		7				
	7					
					Clay and Sand	
110'						
	2		S25			Stiff, red-brown, gray, SILTY CLAY, and coarse to fine Sand.
		3	18			
		7				
	8					
					Boulders & Weathered Bedrock	3" piece of black gray Gneiss
115'						
			C1	115		Recovery: 45/60=75% RQD: 32/60=53%
					Bedrock	116.5'-120': Hard, fresh, tan to light brown, coarse to fine grained, SANDSTONE. Bedding, horizontal, close. Joint set moderately dipping, rough, undulating, decomposed, tight.
120'				120		

BORING NO. **B106**

BORING RECORD SHEET

Boring No. **B106**
Sheet 7 of 7
Job No. PR08-0027

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE & NO.	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
120'						
			C2	120	Bedrock	Recovery: 53/60=88% RQD: 53/60=88% Hard, fresh, tan to light brown, medium to fine grained, SANDSTONE. Bedding horizontal, very thin. Joint, moderately dipping, rough, undulating, fresh, tight.
125'				125		
						Bottom of Exploration at 125ft Depth
130'						
135'						
140'						

BORING NO. **B106**

BORING RECORD SHEET

Client	Hudson County
Project	14th Street Viaduct
Location	Hoboken, City of Union City
Boring Contractor	Jersey Boring & Drilling
Driller	Jerry Zambardi / Brenton
Inspector	B. Issac

Boring No.	**B107**
Sheet	1 of 6
Date Started	June 5, 2009
Date Finished	June 12, 2009
Job No.	PR08-0027
Elevation	4.23

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE, NO. & REC. (in.)	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
0					Fill	Top 6" Belgium blocks
	15		S1	0		Loose, dark brown, coarse to fine SAND, little Silt, trace Gravel; with brick, concrete, and cinder fragments, dry.
		5	18			
		3				
	5			2		
	8		S2	2		Medium dense, dark brown, coarse to fine SAND, little Silt, trace fine Gravel; with brick, concrete, and cinder fragments, dry.
		8	12			
		10				
	9			4		
	8		S3	4		Medium dense, dark brown, coarse to fine SAND, little Silt, trace fine Gravel; with brick, concrete, and cinder fragments, moist to wet.
5'		16	18			
		13				
	7			6		
	2		S4	6		Loose, dark brown, coarse to fine SAND, little Silt, trace fine Gravel; wet, with brick, concrete, and cinder fragments.
		2	18			
		1				
	1			8		
	3		S5	8		8'-9': Very loose, dark brown, coarse to fine SAND, little Silt, trace fine Gravel; with brick, concrete, and cinder fragments, wet .
		1	15			
		1				9'-10': Brown, medium to fine SAND, little Silt, trace fine Gravel; with brick fragments, wet. Bottom of boring B107.
10'	2			10		
						Bottom of Exploration at 10 ft
						Bore abandoned due to street closure restrictions by the city
15'						
20'						

S- SAMPLE TYPE: S-1 3/8" I.D. SPLIT SPOON

U - UNDISTURBED THIN WALLED TUBE SAMPLE

C - CORE SIZE, I.D.: 2.0 inch TYPE: NX CASING: 4" ID

Total Depth (ft)	110
Rock Core (ft)	10
BORING NO.	**B107**

BORING RECORD SHEET

Boring No.	**B107/B107A**
Sheet	1 of 6
Date Started	June 5, 2009
Date Finished	June 12, 2009
Job No.	PR08-0027
Elevation	4.23

Client	Hudson County
Project	14th Street Viaduct
Location	Hoboken, City of Union City
Boring Contractor	Jersey Boring & Drilling
Driller	Jerry Zambardi / Brenton
Inspector	B. Issac

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE, NO. & REC. (in.)	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
0					Fill	Top 6" Belgium blocks
	15		S1	0		Loose, dark brown, coarse to fine SAND, little Silt, trace Gravel; with brick, concrete, and cinder fragments, dry.
		5	18			
		3				
	5			2		
	8		S2	2		Medium dense, dark brown, coarse to fine SAND, little Silt, trace fine Gravel; with brick, concrete, and cinder fragments, dry.
		8	12			
		10				
	9			4		
	8		S3	4		Medium dense, dark brown, coarse to fine SAND, little Silt, trace fine Gravel; with brick, concrete, and cinder fragments, moist to wet.
5'		16	18			
		13				
	7			6		
	2		S4	6		Loose, dark brown, coarse to fine SAND, little Silt, trace fine Gravel; wet, with brick, concrete, and cinder fragments.
		2	18			
		1				
	1			8		
	3		S5	8		8'-9': Very loose, dark brown, coarse to fine SAND, little Silt, trace fine Gravel; with brick, concrete, and cinder fragments, wet .
		1	15			
		1				9'-10': Brown, medium to fine SAND, little Silt, trace fine Gravel; with brick fragments, wet. Bottom of boring B107.
10'	2			10		
	2		S1	10	Fill	Begin boring B107A*: Very loose, dark brown, coarse to fine SAND. little Silt, trace fine Gravel.
		1	3			
		1				
	1			12		
15'						
	WH		S2	15	Clay	Very soft, dark brown, PEAT, tr. mf Sand; (organic odor), moist.
		WH	18			
		WH				
	WH			17		
20'						

S- SAMPLE TYPE: S-1 3/8" I.D. SPLIT SPOON

U - UNDISTURBED THIN WALLED TUBE SAMPLE

C - CORE SIZE, I.D.: 2.0 inch TYPE: NX CASING: 4" ID

Total Depth (ft)	110
Rock Core (ft)	10
BORING NO.	**B107/B107A**

BORING RECORD SHEET

Boring No. **B107/B107A**
Sheet 2 of 6
Job No. PR08-0027

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE & NO.	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
20'						
	WH		S3	20	Clay	Very soft, dark gray, CLAY, sm. Sand; (organic odor), moist.
		WH	6			
		WH				
	WH			22		
25'						
	WH		S4	25		Very soft, dark gray, CLAY, sm. Sand; (organic odor), moist.
		WH	24			
		WH				
	WH			27		
30'						
	WH		S5	30		Very soft, dark gray, CLAY, sm. Sand; ±1% shell fragments, moist.
		WH	24			
		WH				
	WH			32		
35'						
	WH		S6	35		Very soft, dark gray, CLAY, sm. Sand; ±1% shell fragments, moist.
		WH	20			
		WH				
	WH			37		PP<0.25tsf
40'						

BORING NO. **B107/B107A**

BORING RECORD SHEET

Boring No. **B107/B107A**
Sheet 3 of 6
Job No. PR08-0027

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE & NO.	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
40'						
	WH		S7	40	Clay	Very soft, dark gray, CLAY, sm. Sand; ±1% shell fragments, moist.
		WH	24			
		WH				
	WH			42		
45'						
	WH		S8	45	Sand	Very loose, dark gray, mf SAND, little Silt; moist.
		1	24			
		1				
	1			47		
50'						
	2		S9	50		Loose, dark gray, cmf SAND, tr. Silt; wet.
		5	15			
		5				
	4			52		
55'						
	2		S10	55		Loose, dark gray, cmf SAND, tr. Silt; wet.
		3	13			
		5				
	8			57		
60'						

BORING NO. **B107/B107A**

BORING RECORD SHEET

Boring No. **B107/B107A**
Sheet 4 of 6
Job No. PR08-0027

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE & NO.	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
60'						
	3		S11	60	Sand	Loose, brown, cmf SAND, tr. Silt; wet.
		4	15			
		4				
	6			62		
65'						
	3		S12	65		Loose, brown, cmf SAND, tr. Silt; wet.
		3	12			
		5				
	8			67		
70'						
	2		S13	70		Loose, brown, cmf SAND, little Silt; wet.
		4	11			
		5				
	6			72		
75'						
	2		S14	75		Loose, brown, cmf SAND, tr. Silt; wet.
		4	14			
		6				
	6			77		
80'						

BORING NO. **B107/B107A**

BORING RECORD SHEET

Boring No. **B107/B107A**
Sheet 5 of 6
Job No. PR08-0027

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE & NO.	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
80'						
	2		S15	80	Sand	Loose, brown, mf SAND, little Silt; wet.
		4	12			
		6				
	8			82		
85'						
	4		S16	85		Loose, brown, cmf SAND, tr. Silt; wet.
		3	24			
		6				
	8			57		
90'						
	3		S17	90		M. dense, brown, cmf SAND, little Silt; wet.
		6	12			
		6				
	6			92		
95'						
	8		S18	95		Dense, brown, cmf SAND, tr. Silt, tr. cf Gravel; (petroleum odor, oily film at 97ft), wet.
		9				
		45				
	28			97		
100'						

BORING NO. **B107/B107A**

BORING RECORD SHEET

Boring No.	**B107/B107A**
Sheet	6 of 6
Job No.	PR08-0027

DEPTH	PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE & NO.	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
100'						
	10		S19	100	Sand	Medium dense, brown, cmf SAND, sm. cf Gravel, tr. Silt; (petroleum odor), wet, (weathered sandstone)
		23	11			
		30				
	50			102		
105'						
	30		S20	105		Medium dense, brown, cmf SAND, sm. cf Gravel, tr. Clay & Silt.
		22	28			
		28				
	70			107		
110'						
			C1	110	Bedrock	Recovery:60/60=100% RQD: 42/60=70% Hard, fresh, red, aphanitic to fine grained, SILTSTONE. Bedding thick, and horizontal. Primary joint set, horizontal, very close to moderate, rough to smooth, undulating, fresh, tight. Secondary joint set, vertical, smooth, undulating, mineralized, fresh, tight
115'				115		
			C2	115		Recovery:60/60=100% RQD: 59/60=98% Top 14" similar to C1. 116'-120': Hard, fresh, tan, aphanite to medium grained, SANDSTONE. Bedding, medium to thick, horizontal. Primary joint set, horizontal, close to wide, rough, undulationg, fresh, tight. Secondary joint set, vertical, smooth, undulating, fresh, tight.
120'				120		

BORING NO. **B107/B107A**

*Note: B107 was abandon due to Hoboken Police restrictions; new hole, B107A was drill below the structure.

BORING RECORD SHEET

Client	Hudson County	Boring No.	**B108**
Project	14th Street Viaduct	Sheet	1 of 6
Location	Hoboken, City of Union City	Date Started	June 15, 2009
Boring Contractor	Jersey Boring & Drilling	Date Finished	June 16, 2009
Driller	Jerry Zambardi / Brenton Rousey	Job No.	PR08-0027
Inspector	T. Enright	Elevation	4.62

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE, NO. & REC. (in.)	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
0						
					Fill	Tan-multi, cmf SAND, tr. cf Gravel.
		9	S1	0.5		
		24	10			
	70			2		
	10		S2	2		Loose, dark brown, cmf SAND, tr. f. Gravel, tr. Silt; moist.
		3	14			
		2				
	2			4		
	5		S3	4		Loose, dark gray, cmf SAND, tr. Silt, little cf Gravel.
5'		3	8			
		2				
	2			6		
	2		S4	6		Very loose, dark gray, cmf SAND, little cf Gravel, little Silt; (fragments of red brick, wood, ash), wet.
		2	13			
		2				
	2			8		
	6		S5	8		No recovery
		2	<1			
		1				
10'	1			10		
	1		S6	10		Very loose, dark gray, cf GRAVEL, & cmf Sand, tr. Silt; wood and brick fragments.
		1	2			
		2				
	2			12		
15'						
	WH		S7	15	Peat	Very soft, dark brown, PEAT; (organic odor), wet.
		WH	19			
		WH				
	WH			17		
20'						

S- SAMPLE TYPE: S-1 3/8" I.D. SPLIT SPOON

U - UNDISTURBED THIN WALLED TUBE SAMPLE

C - CORE SIZE, I.D.: 2.0 inch TYPE: NX CASING: 4" ID

Total Depth (ft)	115
Rock Core (ft)	10
BORING NO.	**B108**

BORING RECORD SHEET

Boring No. **B108**
Sheet 2 of 6
Job No. PR08-0027

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE & NO.	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
20'						
	WH		S8	20	Clay	Very soft, dark gray, CLAY, f. Sand; (fragments of Peat).
		WH	15			
		WH				PP<0.25tsf
	WH			22		
25'						
	WR		S9	25		Very soft, dark gray, CLAY, f. Sand; (trace of Peat).
		WR	20			
		WR				PP<0.25tsf
	WR			27		
30'						
	WH		S10	30		Very soft, dark gray, CLAY, f. Sand; Peat and shells in sample.
		WH	17			
		WH				PP<0.25tsf
	WH			32		
35'						
	WR		S11	35		Very soft, dark gray, CLAY, f. Sand; (shell in sample), wet.
		WR	19			
		WR				PP<0.25tsf
	WR			37		
40'						

BORING NO. **B108**

BORING RECORD SHEET

Boring No. **B108**
Sheet 3 of 6
Job No. PR08-0027

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE & NO.	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
40'						
	WR		S12	40	Clay	Very soft, dark gray, CLAY, f. Sand; (shell in sample), wet.
		WR	22			
		WR				PP<0.25tsf
	WR			42		
45'						
	WR		S13	45		Very soft, dark gray, CLAY, f. Sand; wet.
		WR	19			
		WH				
	WH			47		
50'						
	3		S14	50	Sand	Medium dense, brown, cmf Sand, tr. Silt; wet.
		5	14			
		7		52		
	10					
55'						
	5		S15	55		Loose, brown, cmf SAND, tr. Silt; wet.
		5	14			
		5				
	4			57		
60'						

BORING NO. **B108**

BORING RECORD SHEET

Boring No. **B108**
Sheet 4 of 6
Job No. PR08-0027

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE & NO.	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
60'						
	2		S16	60	Sand	Loose, dark gray, cmf SAND, tr. Silt; wet.
		4	14			
		4				
	4			62		
65'						
	3		S17	65		Loose, dark gray, cmf SAND, tr. Silt; wet.
		4	10			
		4				
	8			67		
70'						
	3		S18	70		Medium dense, brown, cmf SAND, tr. Silt.
		7	10			
		7				
	7			72		
75'						
	3		S19	75		Loose, brown, cmf SAND, tr. Silt.
		5	14			
		5				
	6			77		
80'						

BORING NO. **B108**

BORING RECORD SHEET

Boring No. **B108**
Sheet 5 of 6
Job No. PR08-0027

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE & NO.	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
80'						
	3		S20	80	Sand	Loose, brown, cmf SAND, tr. Silt; wet.
		4	14			
		5				
	11			82		
85'						
	2		S21	85	Clayey Silt	Dense, red-brown, CLAYEY SILT, & cmf Sand; moist. Oily film flowed out of hole at 85ft PP=3.75tsf
		13	16			
		17				
	23			87		
90'						
	5		S22	90		Dense, red-brown, CLAYEY SILT, & cmf Sand, tr. cf Gravel; moist.
		14	11			
		18				
	18			92		
95'						
	5		S23	95		Dense, red brown, CLAYEY SILT, & mf Sand, tr. cf Gravel; moist.
		23	14			
		refuse				
				97		
100'						

BORING NO. **B108**

BORING RECORD SHEET

Boring No. **B108**
Sheet 6 of 6
Job No. PR08-0027

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE & NO.	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
100'						
	4		S24	100	Clayey Silt	Dense, red-brown, CLAYEY SILT, & mf Sand, tr. cf Gravel; moist.
		7	14			
		33				PP=1tsf
	50			102		
105'						
			C1	105	Bedrock	Recovery: 44/60=73% RQD:37/60=61%
						Hard, fresh, tan, fine to med grained, SANDSTONE.
110'				110		
			C2	110		Recovery: 57/60=95% RQD:48/60=80%
						Hard, fresh, tan, fine to medium grained, SANDSTONE. Bedding very thin,
115'				115		
						Bottom of Exploration at 115' Depth
120'						

BORING NO. **B108**

BORING RECORD SHEET

Client	Hudson County
Project	14th Street Viaduct
Location	Hoboken, City of Union City
Boring Contractor	Jersey Boring & Drilling
Driller	Joe Kurzynowski / Mario
Inspector	T. Enright

Boring No.	**B109**
Sheet	1 of 6
Date Started	June 29, 2009
Date Finished	July 1, 2009
Job No.	PR08-0027
Elevation	4.82

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE, NO. & REC. (in.)	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
0					Fill	
	3		S1	0		Loose, dark brown, coarse to fine SAND, little Silt, little fine Gravel; with brick concrete, and plastic fragments, moist.
		4	9			
		6				
	24			2		
	18		S2	2		Loose, dark brown, coarse to fine SAND, little Silt, little fine Gravel; with brick concrete, and plastic fragments, moist to dry.
		15	0			
		12				
	17			4		
	9		S3	4		
5'		4	0			
		4				
	3			6		
	10		S4	6		Loose, dark brown, cmf SAND, tr. Gravel, tr. Silt; fragments of red bricks, wet.
		5	8			
		4				
	5			8		
	3		S5	8		Loose, dark brown, cmf SAND, tr. Gravel, tr. Silt; fragments of red bricks, wet.
		4	24			
		5				
10'	5			10		
	4		S6	10		Medium dense, dark brown, coarse to fine SAND, little fine Gravel; with brick and concrete fragments.
		6				
		11			Clay to Peat	SITLY CLAY, and coarse to fine Sand, little Gravel.
	7			12		
15'						
	2		S7	15		Very Soft, brown, PEAT; oily sheen.
		1	10			
		1				
	1			17		
20'						

S- SAMPLE TYPE: S-1 3/8" I.D. SPLIT SPOON

U - UNDISTURBED THIN WALLED TUBE SAMPLE

C - CORE SIZE, I.D.: 2.0 inch TYPE: NX CASING: 4" ID

Total Depth (ft)	110
Rock Core (ft)	10
BORING NO.	**B109**

BORING RECORD SHEET

Boring No. **B109**
Sheet 2 of 6
Job No. PR08-0027

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE & NO.	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
20'						
	2		S8	20	Clay	Very soft, dark gray, CLAY, tr. Sand; wet.
		1	7			
		1				PP<0.25tsf
	3			22		
25'						
	WH		S9	25		Very soft, dark gray, CLAY, tr. f. Sand; wet.
		WH	24			
		WH				PP<0.25tsf
	WH			27		
30'						
	WH		S10	30		Very soft, dark gray, tr. mf Sand; wet.
		WH	24			
		WH				PP<0.25tsf
	WH			32		
35'						
	WH		S11	35		Very soft, dark gray, CLAY, tr. f. Sand; wet.
		WH	24			
		WH				PP<0.25tsf
	WH			37		
40'						

BORING NO. **B109**

BORING RECORD SHEET

Boring No. **B109**
Sheet 3 of 6
Job No. PR08-0027

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE & NO.	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
40'						
	WH		S12	40	Clay	Very soft, dark gray, CLAY, tr. f. Sand; wet.
		WH	20			
		WH				PP<0.25tsf
	WH			42		
45'						
	WH		S13	45	Sand	Medium dense, dark gray, f. SAND, sm. Silt; wet.
		12	16			
		3				
	3			47		
50'						
	2		S14	50		Loose, dark gray, f. SAND, sm. Silt; wet.
		3	16			
		3				
	4			52		
55'						
	WH		S15	55		Loose, brown, fine to medium Sand, some Silt; wet.
		3				
		4				
	6			57		
60'						

BORING NO. **B109**

BORING RECORD SHEET

Boring No. **B109**
Sheet 4 of 6
Job No. PR08-0027

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE & NO.	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
60'						
	13		S16	60	Sand	Medium dense, brown, fine to medium, SAND, some Silt.
		15				
		10				
	6			62		
65'						
	3		S17	65		Medium dense, brown, fine to medium, SAND, some Silt. Piece of gravel blocking the spoon.
		3	3			
		4				
	5			67		
70'						
	4		S18	70		Loose, light brown, coarse to fine, SAND, trace Silt, trace fine Gravel.
		4	10			
		4				
	9			72		
75'						
	8		S19	75	Decomposed Rock	Dense, red-brown, gray-brown, coarse to fine SAND, and Silty Clay.
		15	11			PP=5tsf
		23				
	19			77		
80'						

BORING NO. **B109**

BORING RECORD SHEET

Boring No. **B109**
Sheet 5 of 6
Job No. PR08-0027

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE & NO.	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
80'						
	12		S20	80	Decomposed Rock	Dense, red-brown, mf SAND, sm. Clayey Silt, tr. cf Gravel; wet.
		15	14			
		21				
	30			82		
85'						
	43		S21			Dense, red-brown, mf SAND, sm. Clayey Silt, tr. cf Gravel; wet.
		100/2	7			
			C1	86	Boulder	Recovery: 22/60=36% RQD: 22/60=36% Hard, dark gray, fine grained, GNEISS; Boulder.
90'					Cobbles & Boulders	
				91		
			C2	92		Recovery: 26/60=43% RQD: 10/60=16% Coarse Gravel and cobbles up to 4" diameter
95'						
				96		
				96	Decomposed Rock	96'-97': Likely highly weathered, fine to coarse grained, tan, SANDSTONE.
				97		
			C3	97		Recovery; 24/24=100% RQD: 0/24=0 97'-99': Hard, moderately, weathered, tan, fine to medium grained, SANDSTONE.
				99		Recovery; 45/60=75% RQD: 24/60=40%
			C4	99		99'-101: Hard, slightly weathered, tan, fine to medium grained, SANDSTONE. Bedding, horizontal, close to moderate. Joint set horizontal, slight weathered, rough, undulating, moderate, tight.
100'						

BORING NO. **B109**

BORING RECORD SHEET

Boring No.	**B109**
Sheet	6 of 6
Job No.	PR08-0027

DEPTH	PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE & NO.	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
100'						
					Bedrock	
				101		
				101		
						101'-104': Hard, slightly moderately weathered, fine to coarse grained, red-brown, SANDSTONE. Joint set horizontal, rough, undulating, very close to close, slightly weathered. Joint vertical, rough, planar, fresh to slightly weathered.
				104		Recovery; 27/60=45% RQD: 0/60=0%
105'			C5	104		
						104'-107': Hard, moderately weathered, fine to coarse grained, red-brown SANDSTONE. Joint set, vertical, decomposed.
				107		
				107		107'-108': Highly weathered SANDSTONE.
				108		
			C6	108		Recovery: 60/60=100% RQD: 14/60=23%
						108'-110': Hard, slightly weathered, tan, fine to medium grained SANDSTONE. Bedding, horizontal, close. Joint set horizontal, fresh, rough, undulating, close.
110'				110		
						Bottom of Exploration at 110ft Depth
115'						
120'						

BORING NO. **B109**

BORING RECORD SHEET

Client	Hudson County
Project	14th Street Viaduct
Location	Hoboken, City of Union City
Boring Contractor	Jersey Boring & Drilling
Driller	Jerry Zambardi / Brenton Rousey
Inspector	T. Enright

Boring No.	**B110**
Sheet	1 of 6
Date Started	June 18, 2009
Date Finished	June 30, 2009
Job No.	PR08-0027
Elevation	5.20

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE, NO. & REC. (in.)	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
0					Fill	Belgium blocks on the surface over concrete
						Dark brown, coarse to fine, SAND, little Silt.
	29		S1	1		
	35		2	2		
				2		Boring advanced to 4ft due to loose gravel material.
	6		S2	4		Few fine Gravel and coarse Sand
5'		3	<1			
		6				
	4			6		
	2		S3	6		Loose, dark brown, coarse to fine, SAND, little Silt; with concrete, brick and cinder fragments.
		2	3			
		2				
	1			8		
	2		S4	8		Loose, dark brown, coarse to fine, SAND, little Silt; with concrete, brick and cinder fragments.
		2	5			
		1				
10'	1			10		
	WH		S5	10		Loose, dark brown, coarse to fine, SAND, some Clayey Silt, little fine Gravel; with concrete and brick fragments.
		WH	9		Silty Clay	
		1				
	3			12		Bottom 6": Soft, dark brown, SILTY CLAY.
15'						
	WH		S6	15	Peat	Very soft, dark brown, PEAT; (oily film, organic odor), moist.
		WH	24			
		WH				
	WH			17		
20'						

S- SAMPLE TYPE: S-1 3/8" I.D. SPLIT SPOON

U - UNDISTURBED THIN WALLED TUBE SAMPLE

C - CORE SIZE, I.D.: 2.0 inch TYPE: NX CASING: 4" ID

Total Depth (ft)	102
Rock Core (ft)	10
BORING NO.	**B110**

BORING RECORD SHEET

Boring No. **B110**
Sheet 2 of 6
Job No. PR08-0027

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE & NO.	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
20'						
	WH		S7	20	Peat	Very soft, dark brown, PEAT; (organic odor), wet.
		WH	6			
		WH				
	WH			22		
25'						
	WH		S8	25	Silty Clay	Very soft, dark gray, CLAY, tr. f. Sand; wet.
		WH	14			
		WH				PP< 0.25tsf
	WH			27		
30'						
	WH		S9	30		Very soft, dark gray, CLAY, tr. f. Sand; wet.
		WH	16			
		WH				
	WH			32		
35'						
	2		S10	35	Sand	Medium dense, dark gray, mf SAND, tr. Silt; wet.
		5	12			
		6				
	5			37		
40'						

BORING NO. **B110**

BORING RECORD SHEET

Boring No. **B110**
Sheet 3 of 6
Job No. PR08-0027

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE & NO.	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
40'						
	1		S11	40	Sand	Loose, dark gray, mf SAND, tr. Silt; wet.
		3	11			
		4				
	5			42		
45'						
	2		S12	45		Loose, brown, mf SAND, tr. Silt; wet.
		3				
		5				
	6			47		
50'						
	2		S13	50		Loose, brown, mf SAND, tr. Silt.
		3	12			
		7				
	5			52		
55'						
	9		S14	55		Medium dense, brown, cmf SAND, tr. Silt, tr. cf Gravel.
		13	8			
		10				
	16			57		
60'						

BORING NO. **B110**

BORING RECORD SHEET

Boring No. **B110**
Sheet 4 of 6
Job No. PR08-0027

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE & NO.	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
60'						
	2		S15	60		Medium stiff, red-brown, CLAY, tr. f. Sand.
		2	21			
		4				PP< 0.25tsf
	4			62		
65'						
	2		S16	65		Medium stiff, red-brown, CLAY, tr. f. Sand; wet.
		3	24			
		5				PP< 0.25tsf
	21			67		
70'						
	7		S17	70	Clay	Red-brown mud on the sides of the spoon
		15	0			
		25				
	25			72		
75'						
	6		S18	75		Medium dense, red-brown, CLAY, little mf Sand, tr. f. Gravel; wet.
		14	16			
		14				PP=2tsf
	18			77		
80'						

BORING NO. **B110**

BORING RECORD SHEET

Boring No. **B110**
Sheet 5 of 6
Job No. PR08-0027

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE & NO.	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
80'						
	10		S19		Clay	Medium dense, red-brown, CLAY, little mf Sand, tr. f. Gravel; wet.
		50/2"	6	81		
85'				85		
	100/4"		S20	85	Weathered Bedrock	Very dense, cmf SAND, tr. Silt, tr. cf Gravel.
			4			
90'						
				92		
			C1	92	Bedrock	Recovery 43/60=71% RQD=25/60=41% Hard, fresh, tan, medium grained, SANDSTONE. Bedding very thin to medium. Primary joint set, horizontal, close to moderate, rough, undulating, fresh, tight.
95'						
				97		
			C2	97		Recovery 59/60=98% RQD=50/60=83% Hard, fresh, tan, fine to medium grained, SANDSTONE. Bedding very thin to medium and horizontal. Primary joint set, horizontal, close to moderate, rough, undulating, fresh, tight. Secondary joint set, moderately dripping, very close to moderate, rough, undulating, fresh, tight.
100'						

BORING NO. **B110**

BORING RECORD SHEET

Boring No. **B110**
Sheet 6 of 6
Job No. PR08-0027

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE & NO.	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
100'						
					Bedrock	
				102		
						Bottom of Exploration 102ft Depth
105'						
110'						
115'						
120'						

BORING NO. **B110**

BORING RECORD SHEET

Client	Hudson County	Boring No.	**B111**
Project	14th Street Viaduct	Sheet	1 of 5
Location	Hoboken, City of Union City	Date Started	March 30, 2009
Boring Contractor	Jersey Boring & Drilling	Date Finished	July 1, 2009
Driller	Jerry Zambardi / Brenton Rousey	Job No.	PR08-0027
Inspector	B. Issac / T. Enright	Elevation	5.27

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE, NO. & REC. (in.)	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
0						
					Fill	Loose, tan, cmf SAND, tr. Gravel, tr. Silt; moist.
		4	S1	0.5		
		6	10			
	12			2		
	10		S2	2		Loose, tan, cmf SAND, tr. Gravel, tr. Silt; moist.
		4	5			
		5				
	2			4		
	2		S3	4		No recovery, cf GRAVEL
5'		1	<1			
		1				
	2			6		
	1		S4	6		Very loose, dark gray, cmf SAND, & cf Gravel, tr. Silt, wet.
		1	7			
		1				
	1			8		
	8		S5	8		Medium dense, dark gray, cmf SAND, & cf Gravel, tr Silt; wet, with fragments of red bricks
		7	5			
		6				
10'	3			10		
	2		S6	10		Very loose, dark gray, cmf SAND, & cf Gravel, tr. Silt; with red brick fragments.
		1	10			
		1				
	1			12		
15'						
	WH		S7	15		No recovery
		WH	0			
		WH				
	WH			17		
20'						

S- SAMPLE TYPE: S-1 3/8" I.D. SPLIT SPOON

U - UNDISTURBED THIN WALLED TUBE SAMPLE

C - CORE SIZE, I.D.: 2.0 inch TYPE: NX CASING: 4" ID

Total Depth (ft)	85
Rock Core (ft)	10
BORING NO.	**B111**

BORING RECORD SHEET

Boring No. **B111**
Sheet 2 of 5
Job No. PR08-0027

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE & NO.	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
20'						
	WH		S8	20	Fill	No recovery
		WH	0			
		WH				
	WH			22		
25'						
	1		S9	25	Sand	Very loose, dark gray, f. SAND, little, Silt; wet.
		1				
		1				
	1			27		
30'						
	1		S10	30		Loose, brown, f. SAND, little Silt; wet.
		2	14			
		4				
	8			32		
35'						
	2		S11	35		Loose, brown, f. SAND, little Silt; wet.
		2	11			
		4				
	3			37		
40'						

BORING NO. **B111**

BORING RECORD SHEET

Boring No. **B111**
Sheet 3 of 5
Job No. PR08-0027

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE & NO.	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
40'						
	2		S13	40	Sand	Loose, brown, cmf SAND, tr. Silt, tr. cf Gravel; wet.
		3	13			
		8				
	17			42		
45'						
	12		S13	45	Gravel	Dense, brown, cf GRAVEL, tr. Silt, tr. f. Sand; wet.
		13	4			
		12				
	11			47		
50'						
	3		S14	50		Medium-dense, red-brown, cf GRAVEL, tr. f. SAND, tr. Silt; wet.
		5	<1			
		10				
	8			52		
55'						
	3		S15	55	Sand	Very dense, red-brown, cmf SAND, sm. cf Gravel, little Silt.
		45	6			
		66				
	44			57		
60'						

BORING NO. **B111**

BORING RECORD SHEET

Boring No. **B111**
Sheet 4 of 5
Job No. PR08-0027

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE & NO.	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
60'						
	3		S16	60	Sand and Gravel	Very dense, red-brown, cmf SAND, sm. cf Gravel, little Silt.
		17	10			
		56				
	50			62		
65'						
	17		S17	65		Very dense, brown, cf GRAVEL, & cmf Sand, tr. Silt; wet.
		25	6			
		100/3"				
				67		
70'						
	6		S18	70		Very dense, red-brown, cmf SAND, sm. Silt, little cf Gravel; wet.
		75	16			
		80				
	68			72		
75'						
			C1	75	Bedrock	Recovery: 52/60=86% RQD 40/60=66% Hard, slightly weathered to fresh, tan, coarse to fine grained SANDSTONE. Bedding, horizontal to low angle, close. Joint, horizontal to low angle, close to moderate, fresh to decomposed.
80'				80		

BORING NO. **B111**

BORING RECORD SHEET

Boring No. **B111**
Sheet 5 of 5
Job No. PR08-0027

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE & NO.	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
80'						
			C2	80	Bedrock	Recovery: 55/60=91% RQD 35/60=58% 80'-81': Hard, moderately weathered, fine grained, red-brown, SANDSTONE. Joint close to very close, slightly weathered. 81'-85': Hard, fresh to slightly weathered, tan, coarse to fine, SANDSTONE. Bedding, close, horizontal. Joint, horizontal, fresh to discolored, rough, undulating, moderately, close.
85'				85		
						Bottom of Exploration at 85ft Depth
90'						
95'						
100'						

BORING NO. **B111**

BORING RECORD SHEET

Client	Hudson County
Project	14th Street Viaduct
Location	Hoboken, City of Union City
Boring Contractor	Jersey Boring & Drilling
Driller	Keith Elliott / Mark
Inspector	B. Issac

Boring No.	**B112**
Sheet	1 of 4
Date Started	June 24, 2009
Date Finished	June 25, 2009
Job No.	PR08-0027
Elevation	5.01

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE, NO. & REC. (in.)	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
0						
Hand Auger		A1		0	Fill	Brown, coarse to fine SAND, little Silt, little coarse to fine Gravel; brick and concrete fragments.
				2		
		A2		2		Brown, coarse to fine SAND, little Silt, little coarse to fine Gravel; with brick, cinder, and concrete fragments.
				4		
		A3		4		Brown, coarse to fine SAND, little Silt, little coarse to fine Gravel; with brick, cinder, and concrete fragments.
6'				6		
	3		S1	6		Medium dense, dark brown, coarse to fine SAND, little Silt, trace fine Gravel; with concrete, brick fragments, sight petroleum like odor.
		13	18			
		13				
	7			8		
	7		S2	8		Medium dense, dark brown, coarse to fine SAND, little Silt, trace fine Gravel; with concrete, brick, and cinder fragments, black oil like material (OLM) at 9.5 ft depth naphthalene odor.
		8	12			
		6				
10'	9			10		
	3		S3	10		Loose, dark brown, coarse to fine SAND, little Silt, trace fine Gravel; with cinder, concrete and brick fragments, black OLM visible throughout the sample, naphthalene odor.
		5	24			
		4				
	6			12		
						Some OLM was observed with the wash, forming a thin layer in the mud tub.
15'						
	WH		S4	15		15ft-16.5ft: Very soft, gray, SILTY CLAY with little organic (20%).
		WH	24			
		WH				
	WH			17		16.5ft-17ft: Dark brown, PEAT, with Silty Clay
					Peat	
20'						

S- SAMPLE TYPE: S-1 3/8" I.D. SPLIT SPOON

U - UNDISTURBED THIN WALLED TUBE SAMPLE

C - CORE SIZE, I.D.: 2.0 inch TYPE: NX CASING: 4" ID

Total Depth (ft)	75
Rock Core (ft)	10
BORING NO.	**B112**

BORING RECORD SHEET

Boring No. **B112**
Sheet 2 of 4
Job No. PR08-0027

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE & NO.	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
20'						
	WH		S5	20	Peat to Silty Clay	Very soft, dark brown, PEAT and Silty Clay, strong organic odor.
		WH	3			
		WH				
	WH			22		
		PUSH	U1	22		Gray, SILTY CLAY, with little organic matter. trace fine Sand,
				24		
25'						
					Sand & Gravel	
30'						
	8		S6	30		Medium dense, red-brown, gray, coarse to fine SAND, and fine Gravel, little Silty Clay, naphthalene odor.
		13	8			
		13				
	12			32		
						Boulder at 32 ft
35'						
	8		S7	35		Medium dense, red-brown, gray, coarse to fine SAND, and fine Gravel, little Silty Clay, naphthalene odor.
		14	14			
		13				
	11			37		
40'						

BORING NO. **B112**

BORING RECORD SHEET

Boring No.	**B112**
Sheet	3 of 4
Job No.	PR08-0027

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE & NO.	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
40'						
	9		S8	40	Sand & Gravel	Medium dense, red-brown, gray, coarse to fine SAND, and fine Gravel, little Silty Clay, naphthalene odor.
		9	18			
		10				
	14			42		
45'						
	9		S9	45		Medium dense, gray, brown, red, fine, GRAVEL, some red-brown, Silty Sand.
		10	12			
		11				
	14			47		
50'						
	2		S10	50	Silty Clay / Sand	Medium Stiff, red-brown, gray, varved CLAYEY SILT, Silty Clay and the Sand, 2mm to 5mm varves.
		3	20			
		5				
	5			52		
55'						
	10		S11	55	Decomposed Rock	Dense, red-brown, coarse to fine SILTY SAND, with Sandstone fragments.
		13	4			
		24				
	25			57		
60'						

BORING NO. **B112**

BORING RECORD SHEET

Boring No.	**B112**
Sheet	4 of 4
Job No.	PR08-0027

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE & NO.	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
60'						
	8		S12	60	Decomposed Rock	Very dense, tan, red-brown, coarse to fine SILTY SAND, with Sandstone fragments.
		100/6	4			
				62		
				63		
65'					Bedrock	
			C1	65		Recovery: 60/60=100% RQD 51/60=85% Hard, slighty weathered, light brown, fine to coarse grained, SANDSTONE. Bedding, medium to thick, horizontal. Joint set, horizonal, close to moderate, rough, stepped, fresh to discolored, tight. Secondary joint set, high angle, rough, undulating, decomposed, tight, at 68' depth
70'				70		
			C2	70		Recovery: 60/60=100% RQD: 42/60=70% 70'-73': Hard, slightly weathered, light brown, fine to coarse grained, SANDSTONE. Bedding horizontal, medium to thick. Joint set, horizontal to low angle, close to moderate, rough, undulating, fresh. 3" thick Silt Sand and fine Gravel and Sand at 72.5ft and 73 ft. Hard, slightly, weathered, fine grained, light brown, SANDSTONE. Joint set, horizontal, closed, rough, undulating, fresh to discolored, tight. Secondary joint set vertical, rough, undulating, fresh, tight.
75'				75		
						Bottom of Exploration at 75 ft Depth
80'						

BORING NO. **B112**

BORING RECORD SHEET

Client	Hudson County
Project	14th Street Viaduct
Location	Hoboken, City of Union City
Boring Contractor	Jersey Boring & Drilling
Driller	Jerry Zambordi / Brenton
Inspector	B. Issac / T. Enright

Boring No.	**B113**
Sheet	1 of 4
Date Started	June 24, 2009
Date Finished	June 29, 2009
Job No.	PR08-0027
Elevation	6.09

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE, NO. & REC. (in.)	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
0						Belgium blocks on surface removed
	Hand Auger					Hand augured through an existing abandoned footing to a 3ft depth, boring washed ahead at this location with a roller bit.
5'						
	9.5'					
10'	1		S1		Fill	Very loose, dark-gray, f. SAND, sm. Silt; (plant tissue, petroleum odor and oily film), wet.
		1	10			
		8				
	19		S2			Very stiff, dark-gray, cf GRAVEL, and mf Sand, tr. Silt; (petroleum odor and oily sheen), wet.
		15	7			
15'						
	WH		S3		PEAT	Very loose, dark-brown, PEAT, tr. F. Sand; (petroleum odor and oily sheen), wet.
		WH				
		WH				
	WH					
20'						

S- SAMPLE TYPE: S-1 3/8" I.D. SPLIT SPOON

U - UNDISTURBED THIN WALLED TUBE SAMPLE

C - CORE SIZE, I.D.: 2.0 inch TYPE: NX CASING: 4" ID

Total Depth (ft)	80
Rock Core (ft)	15
BORING NO.	**B113**

BORING RECORD SHEET

Boring No. **B113**
Sheet 2 of 4
Job No. PR08-0027

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE & NO.	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
20'						
	WH		S4	20	Silty Clay	Very Soft, dark-gray, CLAY, tr. f. Sand; (petroleum odor), wet.
		WH	22			
		WH				
	2			22		
25'						
	4		S5	25		Very stiff, brown, cmf SAND, little cf Gravel, tr. Silt; (petroleum odor), wet.
		14	13			
		16				
	14			27		
30'						
	3		S6	30		Very stiff, yellow-brown, CLAY, mf Sand, tr. Gravel; (petroleum odor), wet.
		7	7			
		10				
	13			32		
35'						
	3		S7	35		Stiff, red-brown CLAY, f. SAND, little f. Gravel; (petroleum odor), wet.
		4	4			
		7				
	8			37		
40'						

BORING NO. **B113**

BORING RECORD SHEET

Boring No. **B113**
Sheet 3 of 4
Job No. PR08-0027

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE & NO.	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
40'						
	4		S8	40	Silty Clay	Very stiff, red-brown, CLAY, & cf Gravel; (petroleum odor), wet.
		6				
		refuse				
				42		Boulder
45'					Sand & Gravel	
	9		S9	45		Dense, red-gray, cmf Sand, & cf Gravel, tr. Silt; (petroleum odor), moist.
		24	12			
		26				
	70			47		
50'						
	1		S10	50		Very dense, tan cmf SAND, tr. f. Gravel; (petroleum odor), moist.
		10	8			
		46				
	90			52		
55'						
	7		S11	55		Very stiff, dark-brown, SILT, little f. Sand, tr. F. Gravel; (petroleum odor).
		9	12			
		15				
	30			57		
60'						

BORING NO. **B113**

BORING RECORD SHEET

Boring No.	**B113**
Sheet	4 of 4
Job No.	PR08-0027

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE & NO.	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
60'						
	50/4		S12	60	Sand & Gravel	Very dense, tan cmf SAND, tr. f. Gravel, (petroleum odor), weathered rock.
			Tip			
				62		
65'					Bedrock	
			C1	65		Recovery: 51/60=85% RQD:16/60=26% Hard, slightly to moderately weathered, red-brown to brown, fine to medium grained, SANDSTONE. Bedding horizontal, thin to medium. Joint set, horizontal to low angle, very close to close, rough, undulating, fresh to decomposed, open to tight.
70'				70		
			C2	70		Recovery: 12/60=20% RQD: 0 Highly weathered, red, brown, SANDSTONE fragments with clay.
75'				75		
			C3	75		Recovery: 60/60=100% RQD: 28/60=46% Casing installed after boring hole collapse Hard, slightly to moderately weathered, tan, red-brown, fine grained SANDSTONE. Bedding, horizontal, medium. Joint set, horizontal, moderate, rough, undulating, fresh to discolored, tight. Joint set moderately dipping to low angle, moderate, rough, planer to undulating, fresh to discolored, tight.
80'				80		
						Bottom of Exploration at 80 ft depth

BORING NO. **B113**

BORING RECORD SHEET

Client	Hudson County
Project	14th Street Viaduct
Location	Hoboken, City of Union City
Boring Contractor	Jersey Boring & Drilling
Driller	Joe Kurznowski/Mario
Inspector	B. Issac

Boring No.	**B114**
Sheet	1 of 3
Date Started	June 24, 2009
Date Finished	June 24, 2009
Job No.	PR08-0027
Elevation	7.16

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE, NO. & REC. (in.)	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
0					Fill	Belgium blocks on the surface removed
Hand Auger				0		Light brown, coarse to fine SAND, trace Silt, trace fine Gravel, dry.
				2		
				2		Dark brown, coarse to fine SAND, trace Silt, trace fine Gravel; with cinder concrete and brick fragments, dry.
				4		
				4		Dark brown, coarse to fine SAND, trace Silt, trace fine Gravel; with cinder concrete and brick fragments, dry.
6'				6		
	12		S1	6		Dark brown, coarse to fine SAND, trace Silt, trace fine Gravel; with cinder concrete and brick fragments, moist to wet.
		9	18			
		5				
	6			8		
	12		S2	8		Medium dense, dark brown, coarse to fine SAND, little Silt, little fine Gravel; with concrete, cinder and brick fragments, wet.
		12	12			
		13				
10'	13			10		
	7		S3	10		Medium dense, dark brown, coarse to fine SAND, trace Silt, trace fine Gravel; with brick, concrete, cinder and wood fragments.
		12	6			
		15				
	34			12		
				14		
					Peat	Loss of drilling fluid observed
15'						
	5		S4	15		Very soft, dark brown, SILTY CLAY, and PEAT, trace fine Sand; with wood fragments, petroleum like substance observed on top and within the sample. Naphthalene like odor.
		1	20			
		1				
	1			17		
	2		S5	18		No recovery
		2	0			Large piece of wood, expected at the bottom
		4				
20'	4			20		

S- SAMPLE TYPE: S-1 3/8" I.D. SPLIT SPOON

U - UNDISTURBED THIN WALLED TUBE SAMPLE

C - CORE SIZE, I.D.: 2.0 inch TYPE: NX CASING: 4" ID

Total Depth (ft)	60
Rock Core (ft)	10
BORING NO.	**B114**

BORING RECORD SHEET

Boring No. **B114**
Sheet 2 of 3
Job No. PR08-0027

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE & NO.	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
20'						
	WH		S6	20	Peat	Very soft, dark brown, PEAT, and wood fragments, trace fine Sand.
		1	15			
		WH				Light, gray, coarse to fine Sand, and Silt observed at tip of the spoon.
	4			22		
					Sand and Gravel	
25'						
	7		S7	25		Medium dense, gray, red-brown, coarse to fine SAND, little Silt, little fine Gravel; observed petroleum like substance at the tip. Naphthalene odor observed.
		10	8			
		11				
	11			27		
30'						
	11		S8	30	Silt and Clay	Very stiff, tan, red-brown, varved, SILTY CLAY, Clayey Silt, and fine Sand. 2mm to 5mm thick varved.
		9	12			
		9		32		PP= 0.05 tsf
	11					
35'						
	8		S9	35		Very stiff, tan, red brown, varved, SILTY CLAY, Clayey Silt, and fine Sand. 2mm to 5mm thick varved.
		5	18			
		5				
	11			37		
40'						

BORING NO. **B114**

BORING RECORD SHEET

Boring No.	**B114**
Sheet	3 of 3
Job No.	PR08-0027

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE & NO.	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
40'						
	6		S10	40	Sand and Gravel	Few fine gravel, very clean, likely washed.
		24	0			
		26				
	20			42		
45'	100/3		S11	45-45.23		
			C1A	45	Decomposed Rock	Very dense, light brown gray, coarse to fine SAND, some Silt, little fine Gravel
				48.5		Poor recovery, highly weathered SANDSTONE.
			C1B	48.5		
50'				50		
			C2	50	Bedrock	Recovery: 45/60=75% RQD 35/60=58% 50'-52': Hard, slightly weathered, red-brown, SANDSTONE. Bedding medium. Joint set, horizontal, close, smooth undulating, discolored to decomposed, open. 52'-55': Hard, slightly weathered, tan to light brown, SANDSTONE. Bedding medium. Joint, horizontal, moderate, rough, undulating, decomposed, open.
55'				55		
			C3	55		Recovery: 57/60=95% RQD 44/60=73% Hard, slightly weathered, fine to medium grained, tan, light brown, SANDSTONE. Bedding, medium. Joint set, horizontal, moderate, rough, undulating, fresh to decomposed, tight.
60'				60		
						Bottom of Exploration at 60ft depth

BORING NO. **B114**

BORING RECORD SHEET

Client	Hudson County
Project	14th Street Viaduct
Location	Hoboken, City of Union City
Boring Contractor	Jersey Boring & Drilling
Driller	Joe Kurzynowski / Mario
Inspector	T. Enright

Boring No.	**B115**
Sheet	1 of 1
Date Started	July 13, 2009
Date Finished	July 14, 2009
Job No.	PR08-0027
Elevation	92.47

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE, NO. & REC. (in.)	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
0						
	4		S1		Topsoil	
		8	7			
		100/2		1'-2"		
				2	Weathered Bedrock	3" core into rock to place casing
			C1	3		Recovery:18/18=100% RQD = 0 Rock core sheared and rock jammed core barrel. See description below *
				4.5		
			C2	4.5		Recovery: 18/18=100% RQD: 11/18=61% Rock core sheared and rock jammed core barrel. See description below *
5'						
				6		
			C3	6		Recovery: 27/36=75% RQD: 13/36=36%
						Hard, fresh, gray, fine grained, DIABASE. Bedding very thick (igneous rock). Primary joint set, low angle, close to wide, rough, undulating, fresh, tight.
				9		
			C4	9		Recovery: 45/60=75% RQD: 40/60=66%
						Hard, fresh, gray, fine grained, DIABASE. Bedding very thick (igneous rock). Primary joint set, low angle, close to wide, rough, stepped fresh, tight.
10'						
				13	Bedrock	
			C5	13		Recovery: 49/60=81% RQD: 35/60=58%
						Hard, fresh, gray, fine grained, DIABASE. Bedding very thick (igneous rock). Primary joint set, low angle, close to wide, rough, undulating, fresh, tight.
15'						
						* Hard, fresh, gray, fine grained, DIABASE. Bedding very thick (igneous rock). Primary joint set, low angle, very close to wide, rough, undulating, fresh, tight.
				18		
						Bottom of Exploration at 18ft depth
20'						

S- SAMPLE TYPE: S-1 3/8" I.D. SPLIT SPOON

U - UNDISTURBED THIN WALLED TUBE SAMPLE

C - CORE SIZE, I.D.: 2.0 inch TYPE: NX CASING: 4" ID

Total Depth (ft)	18'
Rock Core (ft)	16.5
BORING NO.	**B115**

BORING RECORD SHEET

Client	Hudson County
Project	14th Street Viaduct
Location	Hoboken, City of Union City
Boring Contractor	Jersey Boring & Drilling
Driller	Candito
Inspector	Greg Menzel

Boring No.	**B116**
Sheet	1 of 2
Date Started	July 7, 2009
Date Finished	July 9, 2009
Job No.	PR08-0027
Elevation	72.98

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE, NO. & REC. (in.)	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
0						
	3		S1	0	Fill	Very Stiff, dark brown, SILT, sm. fm Sand, tr. f. Gravel
		10	12			
		10				
	24			2		
	15		S2	2		Very stiff, dark brown, SILT, sm. fm Sand, tr. f. Gravel
		15	6			
		10				
	10			4		
		100/1	S3	4	Decomposed Rock	Very dense, dark brown, m SAND
5'			1			Concrete 6"
				6		
	8			6		Core at 6'
		7				No recovery
		7				
	20			8		
	100/6		S4	8		Very dense, dark brown, fm Sand
			6			Boulder at 8'-6" to 10'-0"
10'				10		
			C1	10	Bedrock	Recovery: 60/60=100% RQD:30/60=50%
15'				15		
			C2	15		Recovery: 60/60=100% RQD: 0/60=0%
20'				20		

S- SAMPLE TYPE: S-1 3/8" I.D. SPLIT SPOON

U - UNDISTURBED THIN WALLED TUBE SAMPLE

C - CORE SIZE, I.D.: 2.0 inch TYPE: NX CASING: 4" ID

Total Depth (ft)	30
Rock Core (ft)	20
BORING NO.	**B116**

BORING RECORD SHEET

Boring No. **B116**
Sheet 2 of 2
Job No. PR08-0027

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE & NO.	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
20'						
			C3	20	Bedrock	Recovery: 32/60=53% RQD: 10/60=16%
25'				25		
			C4	25		Recovery: 40/60=66% RQD:7/60=11%
30'				30		
						Bottom of Exploration at 30ft depth
35'						
40'						

BORING NO. **B116**

BORING RECORD SHEET

Client	Hudson County	Boring No.	**B117**
Project	14th Street Viaduct	Sheet	1 of 4
Location	Hoboken, City of Union City	Date Started	June 16, 2009
Boring Contractor	Jersey Boring & Drilling	Date Finished	June 17, 2009
Driller	Joe Kurznowski/Mario	Job No.	PR08-0027
Inspector	B. Issac	Elevation	5.96

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE, NO. & REC. (in.)	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
0						
	15		S1	0	Fill	Medium dense, dark brown, coarse to fine SAND, little Silt, trace fine Gravel; with brick and concrete fragments, dry to moist.
		14	12			
		8				
	10			2		
	5		S2	2		Medium dense, dark brown, coarse to fine SAND, trace Silt, little fine Gravel; with crushed stone and concrete fragments, dry.
		6	10			
		7				
	8			4		
	4		S3	4		Medium dense, brown, coarse to fine SAND, little Silt, trace fine Gravel; with brick and concrete fragments, wet.
5'		3	8			
		12				
	18			6		
	13		S4	6		Medium dense, dark brown, coarse to fine SAND, some Clayey Silt, trace fine Gravel; with concrete fragments, petroleum like odor, wet.
		7	15			
		7				
	11			8		
	9		S5	8		Medium dense, dark brown, coarse to fine SAND, little Silt, trace fine Gravel; with concrete and brick fragments, wet.
		7	8			
		7				
10'	6			10		
	4		S6	10		Loose, dark brown, coarse to fine SAND, little Silt, little fine Gravel, with brick and concrete fragments.
		2	6			
		2				
	2			12		
15'						
	6		S7	15		Medium dense, dark brown, coarse to fine SAND, trace Silt; with concrete fragments.
		7	6			
		4				
	5			17		
20'						

S- SAMPLE TYPE: S-1 3/8" I.D. SPLIT SPOON

U - UNDISTURBED THIN WALLED TUBE SAMPLE

C - CORE SIZE, I.D.: 2.0 inch TYPE: NX CASING: 4" ID

Total Depth (ft)	70
Rock Core (ft)	20
BORING NO.	**B117**

BORING RECORD SHEET

Boring No. **B117**
Sheet 2 of 4
Job No. PR08-0027

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE & NO.	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
20'						
	3		S8	20	Fill	Medium dense, dark brown, coarse to fine SAND, trace Silt; with concrete fragments.
		2	6			
		2				
	3			22		
25'						
	4		S9	25		25'-26': Medium dense, dark brown, coarse to fine SAND, trace Silt; with concrete fragments.
		1	15			
		4			Peat	26'-27: Soft, dark brown, PEAT, little coarse to fine SAND, (approximately 70% - 80% organic content), moist to wet.
	5			27		
			S10	27		Undisturbed - No recovery took split spoon: Very soft, dark gray, CLAY, little f. Sand, tr. cf Gravel
			5			
	WH		S11			
		WH	1	29		
		WH				
30'	WH					
	WH		S12	30	Clay	Very soft, dark gray, CLAY. sm. f. Sand
		WH	24			
		WH				PP<0.25tsf
	WH			32		
35'						
	WH		S13	35		Very soft, dark gray, CLAY, sm. f. Sand; wet.
		WH	24			
		WH				PP<0.25tsf
	WH			37		
40'						

BORING NO. **B117**

BORING RECORD SHEET

Boring No. **B117**
Sheet 3 of 4
Job No. PR08-0027

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE & NO.	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
40'						
	WH		S14	40	Clay	Very soft, dark gray, CLAY, sm. f. Sand; (shell fragments in sample), wet.
		WH	12			
		WH				PP<0.25tsf
	WH			42		
45'						
	WH		S15	45		Medium stiff, dark gray, CLAY, sm. mf Sand, tr. cf Gravel.
		2	12			
		4				PP<0.25tsf
	7			47		
	17		S16			Medium stiff, dark gray, cf GRAVEL, & cmf. Sand, tr. Silt.
50'	Refusal		7			
			C1	50	Bedrock	Recovery: 60/60=100% RQD: 35/60=58% Hard, fresh, tan-multi, medium grained, SANDSTONE. Bedding extremely thin to medium, horizontal. Primary horizontal joints, extremely close to moderate, rough, undulating, discolored, tight.
55'				55		
			C2	55		Recovery: 60/60=100% RQD: 33/60=55% Hard, fresh, tan-multi, medium grained, SANDSTONE. Bedding extremely thin to medium and horizontal. Primary joint set, low angle, close to moderate, rough, undulating, discolored, open. Secondary joint set, medium dipping, moderate, rough, planar, discolored, tight. At ±59' the core has a wide ±4", discontinue, filled with soft talc material.
60'				60		

BORING NO. **B117**

BORING RECORD SHEET

Boring No. **B117**
Sheet 4 of 4
Job No. PR08-0027

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE & NO.	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
60'						
			C3	60	Bedrock	Recovery: 60/60=100% RQD: 13/60=21% 60'-62': same as above. Joint at 62' depth is filled with moderately weathered material Hard, fresh, dark gray, aphanitic, SILTSTONE. Bedding thick horizontal. Primary joint set, vertical, close to wide, smooth, undulating, fresh, tight.
65'				65		
			C4	65		Recovery: 30/30=100% RQD: 4/60=13% 65'-66.5': Hard, slightly weathered, tan, fine grained, SANDSTONE. Bedding extremely thin to thin and horizontal. Primary joint set low angle, close, rough undulating, discolored, open. Recovery: 30/30=100% RQD: 21/30=70% 66.5' to 70': Hard, fresh, tan-multi, medium grained, SANDSTONE. Bedding extremely thin to medium and horizontal. Primary joint set, low angle, close to moderate, rough, undulating, discolored, open. Secondary joint set, moderately dipping, moderate, rough, planar, discolored, tight.
				67.5		
			C5	67.5		
70'				70		
						Bottom of Exploration at 70ft Depth
75'						
80'						

BORING NO. **B117**

BORING RECORD SHEET

Client	Hudson County
Project	14th Street Viaduct
Location	Hoboken, City of Union City
Boring Contractor	Jersey Boring & Drilling
Driller	Keith Elliott / Barry Elliott
Inspector	B. Issac

Boring No.	**B118**
Sheet	1 of 6
Date Started	June 16, 2009
Date Finished	June 23, 2009
Job No.	PR08-0027
Elevation	4.32

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE, NO. & REC. (in.)	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
0						6" asphalt layer on the surface
	4		S1	0	Fill	Medium dense, dark brown, coarse to fine SAND, little Silt; with brick and concrete fragments, dry to moist.
		8	14			
		12				
	14			2		
	6		S2	2		Medium dense, dark brown, coarse to fine SAND, trace Silt, trace fine Gravel; with concrete fragments, dry to moist.
		6	5			
		6				
	6			4		
	3		S3	4		Medium dense, dark brown, coarse to fine SAND, little Silt, trace fine Gravel, wet.
5'		5	4			
		9				
	10			6		
	6		S4	6		Medium dense, dark brown, coarse to fine SAND, some Clayey Silt, trace fine Gravel; with brick and concrete fragments.
		7	6			
		10				
	8			8		
	3		S5	8		Medium dense, dark brown, coarse to fine SAND, some Clayey Silt, trace fine Gravel, with brick, glass, and concrete fragments.
		4	7			
		12				
10'	8			10		
	6			10		Loose, dark brown, coarse to fine SAND; some Clayey Silt, trace fine Gravel; brick and concrete fragments.
		6				
		4	S6			
	9		10	12		
15'						
	3		S7	15		Medium dense, dark brown, coarse to fine SAND; some Clayey Silt, trace fine Gravel; brick and concrete fragments.
		11				
		10				
	12			17		
20'						

S- SAMPLE TYPE: S-1 3/8" I.D. SPLIT SPOON

U - UNDISTURBED THIN WALLED TUBE SAMPLE

C - CORE SIZE, I.D.: 2.0 inch TYPE: NX CASING: 4" ID

Total Depth (ft)	115
Rock Core (ft)	10
BORING NO.	**B118**

BORING RECORD SHEET

Boring No. **B118**
Sheet 2 of 6
Job No. PR08-0027

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE & NO.	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
20'						
	5		S8	20	Fill	Medium dense, dark brown, coarse to fine SAND; some Clayey Silt, trace fine Gravel; brick and concrete fragments.
		4	6			
		5				
	5			22		
25'						
	3		S9	25		Loose, dark brown, coarse to fine SAND; some Clayey Silt, trace fine Gravel; brick and concrete fragments.
		4	5			
		3				
	4			27		
30'						
	3		S10	30		Loose, brown to dark brown, coarse to fine SAND, little Silt, trace fine Gravel; with brick and concrete fragments.
		3	9			
		2				
	10			32		
35'						
	WH		S11	35	Silty Clay	Very soft, dark gray, Silty Clay, trace fine Sand.
		WH	22			
		WH				
	WH			37		
40'						

BORING NO. **B118**

BORING RECORD SHEET

Boring No. **B118**
Sheet 3 of 6
Job No. PR08-0027

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE & NO.	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
40'						
	WH		S12	40	Silty Clay	Very soft, dark gray, Silty Clay, trace fine Sand.
		WH	24			
		WH				
	WH			42		
45'						
	WH		S13	45		Very soft, dark gray, Silty Clay, trace fine Sand.
		WH	24			
		WH				
	WH			47		
50'						
	WH		S14	50		Very soft, dark gray, Silty Clay, trace fine Sand.
		WH	20			
		WH				
	WH			52		
55'						
	WR		S15	55		Very soft, dark gray, Silty Clay, trace fine Sand.
		WR	24			
		WR				
	WR			57		
60'						

BORING NO. **B118**

BORING RECORD SHEET

Boring No. **B118**
Sheet 4 of 6
Job No. PR08-0027

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE & NO.	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
60'						
	WR		S16	60	Silty Clay	Very soft, dark gray, Silty Clay, trace fine Sand; piece of wood observed in the tip of the spoon.
		WR	24			
		WR				
	WR			62		
65'						
	WH		S17	65		Very soft, dark gray, Silty Clay, trace fine Sand.
		WH	8			
		WH				
	WH			67		
70'						
	WH		S18	70		Very soft, dark gray, Silty Clay, trace fine Sand.
		WH	18			
		WH				
	WH			72		
75'						
	WH		S19	75		Very soft, dark gray, Silty Clay, trace fine Sand.
		3				
		2				
	WH			77		
80'						

BORING NO. **B118**

BORING RECORD SHEET

Boring No. **B118**
Sheet 5 of 6
Job No. PR08-0027

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE & NO.	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
80'						
	3		S20	80	Silty Clay	Very soft, dark gray, Silty Clay, trace fine Sand.
		4	2			
		5				
	5			82		
85'						
	WR		S21	85	Silty Clay	Very soft, dark gray, Silty Clay, trace fine Sand.
		WH	24			
		WH				
	WH			57		
90'						
	4		S22	90.5		Similar to above
		9	20		Peat & Silt	90.5'-92': Very stiff, dark brown, PEAT, with Silt. 70% - 80% organic matter.
		11				
	15					
95'						
	5		S23	95	Silty Clay	Very soft, dark gray, SILTY CLAY, tr. f. Sand.
		12	14			
		100/5		96.5		
100'						

BORING NO. **B118**

BORING RECORD SHEET

Boring No. **B118**
Sheet 6 of 6
Job No. PR08-0027

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE & NO.	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
100'						
	14		S24	100	Gravel	Very dense, dark gray, cf Gravel, & cmf Sand, tr. Clay.
		23	14			
		27				
	100/5			102		
105'						
			C1	105	Bedrock	Recovery: 60/60=100% RQD: 26/60=43% Hard, slightly weathered, gray, fine to medium grained, SANDSTONE. Bedding medium and horizontal. Primary joint set horizontal, very close to moderate, rough, undulating, discolored, tight. Secondary joint set, moderately dipping, moderate, rough, undulating, discolored.
110'				110		
			C2	110		Recovery: 60/60=100% RQD: 16/60=26% 110'-110.5: coarse Gravel seam 110.5'-115': Hard, slightly weathered, gray, fine to medium grained, SANDSTONE. Bedding horizontal, medium to thick. Joint set, horizontal, very close to close, rough to smooth, undulating, fresh to decomposed, open to tight. Note: bottom 3ft recovered by retrieval
115'				115		
						Bottom of Exploration at 115ft Depth
120'						

BORING NO. **B118**

BORING RECORD SHEET

Client	Hudson County
Project	14th Street Viaduct
Location	Hoboken, City of Union City
Boring Contractor	Jersey Boring & Drilling
Driller	Keith Elliott
Inspector	T. Enright

Boring No.	**B119**
Sheet	1 of 6
Date Started	July 2, 2009
Date Finished	July 7, 2009
Job No.	PR08-0027
Elevation	3.76

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE, NO. & REC. (in.)	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
0						
					Fill	
			S1	1		Brown, coarse to fine SAND, little to trace Silt,; with concrete and brick fragments.
			16			
				2		
	5		S2	2		Loose, dark brown, coarse to fine SAND, little Silt, little fine Gravel; with concrete and brick fragments.
		4	11			
		4				
	5			4		
	3		S3	4		Medium dense, dark brown, coarse to fine SAND, little Silt, little fine Gravel; with concrete and brick fragments.
5'		3	12			
		15				
	16			6		
	21		S4	6		Medium dense, dark brown, coarse to fine SAND, little Silt, little fine Gravel; with concrete and cinder fragments.
		14	14			
		8				
	7			8		
	6		S5	8		Medium dense, dark brown, coarse to fine SAND, little Silt, little fine Gravel; with concrete and cinder fragments.
		6	13			
		5				
10'	5			10		
	6		S6	10		Medium dense, dark brown, coarse to fine SAND, little Silt, little fine Gravel; with concrete and cinder fragments.
		5	13			
		12				
	16			12		
15'						
	5		S7	15		Loose, dark gray, cf SAND, sm. cf Gravel, little Silt; (fragments of red bricks and wood), wet.
		4	9			
		6				
	5			17		
20'						

S- SAMPLE TYPE: S-1 3/8" I.D. SPLIT SPOON

U - UNDISTURBED THIN WALLED TUBE SAMPLE

C - CORE SIZE, I.D.: 2.0 inch TYPE: NX CASING: 4" ID

Total Depth (ft)	120
Rock Core (ft)	10
BORING NO.	**B119**

BORING RECORD SHEET

Boring No. **B119**
Sheet 2 of 6
Job No. PR08-0027

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE & NO.	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
20'						
	3		S8	20	Fill	Very soft, dark gray, CLAY, sm. cf Gravel, sm. f. Sand; (fragments of red brick), wet.
		3	6			
		WH				
	WH			22		
25'						
	1		S9	25	Peat	Very soft, brown, PEAT, tr. cf Gravel; (fragment of red bricks), wet.
		1	17			
		1				
	2			27		
30'						
	WR		S10	30	Clay	Very soft, dark gray, CLAY, tr. f. Sand; wet. PP<0.25tsf
		WR	23			
		WH				
	WH			32		
35'						
	WH		S11	35		Very soft, dark gray, CLAY, tr. f. SAND; (fragments of Peat), wet. PP<0.25tsf
		WH	24			
		WH				
	WH			37		
40'						

BORING NO. **B119**

BORING RECORD SHEET

Boring No. **B119**
Sheet 3 of 6
Job No. PR08-0027

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE & NO.	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
40'						
	WH		S12	40	Clay	Very soft, dark gray, Clay, tr. f. Sand; wet.
		WH	24			
		WH		42		PP<0.25tsf
	WH					
45'						
	WH		S13	45		Very soft, dark gray, CLAY, tr. f. Sand; wet.
		WH	16			
		WH				PP<0.25tsf
	WH			47		
50'						
	WR		S14	50		Very soft, dark gray, CLAY, tr. f. SAND; wet.
		WR	18			
		WH				PP<0.25tsf
	WH			52		
55'						
	WR		S15	55		Very soft, dark gray, CLAY, tr. f. Sand; wet.
		WR	24			
		WH				PP<0.25tsf
	WH			57		
60'						

BORING NO. **B119**

BORING RECORD SHEET

Boring No. **B119**
Sheet 4 of 6
Job No. PR08-0027

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE & NO.	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
60'						
	WH		S16	60	Clay	Very soft, dark gray, CLAY, tr. f. Sand; wet.
		WH	24			
		WH				
	WH			62		
65'						
	WR		S17	65		Very soft, dark gray, CLAY, tr. f. Sand; wet.
		WR	20			
		WR		67		
	WR					
70'						
	WR		S18	70		Very soft, dark gray, CLAY, tr. f. Sand; wet.
		WR	20			
		WR				
	WR			72		
75'						
	WR		S19	75		Very soft, dark gray, CLAY, tr. f. Sand; wet.
		WH				
		WH				
	WH			77		
80'						

BORING NO. **B119**

BORING RECORD SHEET

Boring No. **B119**
Sheet 5 of 6
Job No. PR08-0027

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE & NO.	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
80'						
	WH		S20	80	Clay	Very soft, dark gray, CLAY, tr. f. Sand; wet.
		2	18			
		2				PP<0.25tsf
	2			82		
					Peat	
85'						
	3		S21	85		Stiff, dark brown, PEAT, little Silt.
		7	24			
		8				PP= 2.0tsf
	11			87		
					Sand & Gravel	
90'						
	38		S22	90		Very dense, tan, red-brown, fine to coarse GRAVEL, and fine to coarse Sand, little Silt.
		45	9			
		18				
	19			92		
95'						
	18		S23	95		Dense, tan, gray, coarse to fine SAND, and coarse to fine Gravel.
		19	5			
		15				
	91			97		
100'						

BORING NO. **B119**

BORING RECORD SHEET

Boring No. **B119**
Sheet 6 of 6
Job No. PR08-0027

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE & NO.	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
100'						
	7		S24	100	Sand & Gravel	Medium dense, dark gray, coarse to fine SAND, little Silt.
		13	7			
		13				
	12			102		
105'						
	13		S25	105	Weathered Bedrock	Medium dense, tan, red-brown, coarse to fine SAND, some fine Gravel, little Silt; with rock fragments, likely weathered bedrock.
		7	15			
		7				
	13					
				107	Bedrock	Hard drilling at 107ft, anticipate top of bedrock
110'				110		
			C1	110		Recovery: 50/60=83% RQD 26/60=43% 110'-113': Dark gray, coarse to fine grained, SANDSTONE with mica.
				113		
			C1 cont.	113		Recovery: 52/60=86% RQD 48/60=80% 113'-115': Very hard, tan, dark gray, mineralization, very fine to aphanitic. Joints horizontal, rough, fresh, close.
115'				115		
			C2	115		Recovery: 52/60=86% RQD 48/60=80% Very hard, tan with gray stripes, very fine to aphanitic. Joint, horizontal, fresh, wide, rough. Metamorphic rock, to determine later.
120'				120		
						Bottom of Exploration at 120ft Depth

BORING NO. **B119**

BORING RECORD SHEET

Client	Hudson County
Project	14th Street Viaduct
Location	Hoboken, City of Union City
Boring Contractor	Jersey Boring & Drilling
Driller	Keith Elliott / Barry Elliott
Inspector	B. Issac

Boring No.	**B120**
Sheet	1 of 7
Date Started	June 3, 2009
Date Finished	June 29, 2009
Job No.	PR08-0027
Elevation	4.77

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE, NO. & REC. (in.)	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
0						Belgium block surface; pavers removed
	37		S1	0	Fill	Medium dense, dark brown, coarse to fine SAND, trace fine Gravel, trace Silt; with brick fragments, crushed stone, and concrete, dry, no odor.
		10	20			
		15				
	7			2		
	6		S2	2		Medium dense, dark brown, coarse to fine SAND, trace fine Gravel, trace Silt; with brick and ceramic fragments, crushed stone, and concrete, moist, no odor.
		6	20			
		12				
	13			4		
	13		S3	4		Medium dense, dark brown, coarse to fine SAND, trace fine Gravel, trace Silt; with brick fragments, crushed stone, and concrete, wet, no odor.
5'		9	15			
		9				
	13			6		Brown, coarse to fine sand observed in the tip.
	7		S4	6		Loose, dark brown, coarse to fine SAND, little Silt, trace fine Gravel; with concrete and brick fragments, wet, decaying odor.
		5	12			
		3				
	3			8		
	5		S5	8		Loose, dark brown, coarse to fine SAND, little Silt, trace fine Gravel; with concrete and brick fragments, wet, decaying odor.
		3	15			
		13				
10'	20			10		
	1		S6	10		Loose, dark brown, coarse to fine SAND, and Clayey Silt, decay odor.
		1	12			
		2				Bottom 6": Brick fragments and fine Gravel and crush stone.
	6			12		
15'						
	4		S7	15		Medium dense, dark brown, coarse to fine SAND, little Silt; wet, with concrete fragments, poor sample recovery.
		4	1			
		7				
	10			17		
20'						

S- SAMPLE TYPE: S-1 3/8" I.D. SPLIT SPOON

U - UNDISTURBED THIN WALLED TUBE SAMPLE

C - CORE SIZE, I.D.: 2.0 inch TYPE: NX CASING: 4" ID

Total Depth (ft)	125
Rock Core (ft)	10
BORING NO.	**B120**

BORING RECORD SHEET

Boring No. **B120**
Sheet 2 of 7
Job No. PR08-0027

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE & NO.	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
20'						
	9		S8	20	Fill	No recovery
		11	0			
		9				
	6			22		
	7			22		Medium dense, dark brown, coarse to fine SAND, and coarse to fine Gravel / concrete fragments, some Silt; wet.
		7	S8A			
		7	8			
	9			24		
25'						
	5		S9	25		Loose, dark brown, coarse to fine SAND, some coarse to fine Gravel, little Silt; with wood, concrete and brick fragments.
		3	12			
		2				
	4			27		
30'						
	4		S10	30		No recovery
		3	0			
		5				
	3			32		
35'						
	WH		S11	35	Silty Clay	Very soft, dark gray, lean CLAY, little fine Sand, traces of decaying vegetation visible in the sample. Organic decay odor.
		WH	18			
		WH				
	WH			37		
						PP=0.5tsf
40'						

BORING NO. **B120**

BORING RECORD SHEET

Boring No. **B120**
Sheet 3 of 7
Job No. PR08-0027

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE & NO.	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
40'						
	WR		S12	40	Silty Clay	Very soft, dark gray, lean CLAY, little fine Sand; organic decay odor.
		WH	24			
		WH				
	WH			42		
45'						
	WR		S13	45		Very soft, dark gray, lean CLAY, little fine Sand; with trace shell fragments. PP=0.5tsf
		WH	24			
		WH				
	WH			47		
50'						
	WR		S14	50		Very soft, dark gray, lean CLAY, little fine Sand; with trace shell fragments. PP=0.5tsf
		WH	24			
		WH				
	WH			52		
55'						
	WR		S15	55		Very soft, dark gray, lean CLAY, little fine Sand; with trace shell fragments. PP=0.5tsf
		WH	20			
		WH				
	WH			57		
60'						

BORING NO. **B120**

BORING RECORD SHEET

Boring No. **B120**
Sheet 4 of 7
Job No. PR08-0027

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE & NO.	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
60'						
	WR		S16	60	Clay	Very soft, dark gray, lean CLAY, little fine Sand; with trace shell fragments.
		WH	24			
		WH				PP=0.5tsf
	WH			62		
65'						
	WH		S17	65		Very soft, dark gray, lean CLAY, and medium to fine Sand, trace fine Gravel.
		WH	24			
		2				
	3			67		
				68		
70'						
	10		S18	70	Sand	Medium dense, gray, medium to fine Sand, trace Silt.
		8	18			
		7				
	8			72		
75'						
	15		S19	75	Sand and Gravel	Medium dense, brown with red and green, coarse to fine SAND, and coarse to fine Gravel, trace Silt.
		14	6			
		11				
	7			77		
80'						

BORING NO. **B120**

BORING RECORD SHEET

Boring No. **B120**
Sheet 5 of 7
Job No. PR08-0027

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE & NO.	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
80'						
	11		S20	80	Sand and Gravel	Medium dense, gray, brown, coarse to fine GRAVEL, and coarse to fine Sand, trace Silt.
		14	6			
		11				
	11			82		
85'						
	2		S21	85		Medium dense, gray, brown, coarse to fine GRAVEL, and coarse to fine Sand, trace Silt. Sample recollected using a 3" split spoon.
		8	1			
		12				
	14			87		
90'						
	36		S22	90		Gray, brown, coarse to fine GRAVEL, and coarse to fine Sand; (sample obtained using 3" split spoon sampler). Sample appears to be washed by the water used for drilling. Sample quality questionable.
		46	12			
		48				
	39			92		
95'						
	24		S23	95		Dense, gray, brown, red-brown, coarse Gravel.
		30	4			
		9				
	9			97		
100'						

BORING NO. **B120**

BORING RECORD SHEET

Boring No. **B120**
Sheet 6 of 7
Job No. PR08-0027

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE & NO.	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
100'						
	21		S24	100	Clay	Very dense, gray, brown, coarse to fine SAND, and fine Gravel.
		22	6			
		30				
	31			102		
105'						
	WH		S25	105		Soft, gray, red, brown, varved Silty Clay, and fine SAND.
		2	18			
		2				
	3			107		
				108		
110'					Weathered Bedrock	
	100/2		S26	110		No recovery. Likely boulders from 110 to 114.
			0			
				112		
				114		
115'						
			C1	115	Bedrock	Recovery: 58/60=96% RQD: 45/60=75% Hard, fresh, fine to medium grained, light gray, SANDSTONE. Bedding, horizontal, thin. Joint set, horizontal, close to moderate, rough, undulating, fresh to decomposed, tight.
120'				120		

BORING NO. **B120**

BORING RECORD SHEET

Boring No. **B120**
Sheet 7 of 7
Job No. PR08-0027

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE & NO.	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
120'						
			C2	120	Bedrock	Recovery: 58/60=96% RQD: 45/60=75% Hard, fresh, fine to coarse grained, light gray, SANDSTONE. Bedding, horizontal, thin to very thin. Joint set, horizontal, moderate to wide, rough, undulating, fresh, tight.
125'				125		
						Bottom of Exploration at 125ft Depth
130'						
135'						
140'						

BORING NO. **B120**

BORING RECORD SHEET

Client	Hudson County	Boring No.	**B121**
Project	14th Street Viaduct	Sheet	1 of 6
Location	Hoboken, City of Union City	Date Started	June 3, 2009
Boring Contractor	Jersey Boring & Drilling	Date Finished	June 4, 2009
Driller	Jerry Zambardi / Brenton Rousey	Job No.	PR08-0027
Inspector	T. Enright	Elevation	5.69

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE, NO. & REC. (in.)	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
0						Belgium block road, 3 blocks removed
					Fill	Medium dense, dark gray, cmf SAND, tr. cf Gravel, tr. Silt; wet.
		5	S1	0.5		
		6	7			
	9			2		
	17		S2	2		Medium dense, dark gray, cmf SAND, tr. cf Gravel, tr. Silt; wet.
		10	24			
		6				
	6			4		
	3		S3	4		Very Loose, dark gray, cmf SAND, tr. cf Gravel, tr. Silt; wet.
5'		2	4			
		2				
	2			6		
	13		S4	6		Medium dense, dark gray, cmf SAND, tr. f. Gravel, tr. Silt; wet.
		10	10			
		6				
	13			8		
	9		S5	8		Medium dense, dark gray, cmf SAND, tr. f. Gravel, tr. Silt; wet.
		7	13			
		6				
10'	3			10		
	6		S6	10		Loose, dark gray, cmf SAND, tr. f. Gravel, Tr. Silt; wet.
		5	11			
		4				
	6			12		
15'						
	4		S7	15		Loose, brown, cmf SAND, sm. cf Gravel, tr. Silt; wet, organic odor.
		3	4			
		3				
	2			17		
20'						

S- SAMPLE TYPE: S-1 3/8" I.D. SPLIT SPOON

U - UNDISTURBED THIN WALLED TUBE SAMPLE

C - CORE SIZE, I.D.: 2.0 inch TYPE: NX CASING: 4" ID

Total Depth (ft)	118
Rock Core (ft)	10
BORING NO.	**B121**

BORING RECORD SHEET

Boring No. **B121**
Sheet 2 of 6
Job No. PR08-0027

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE & NO.	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
20'						
	1		S8	20	Clay	Very Loose, brown, CLAYEY SILT, mf Sand; organic odor, Peat, wet.
		1				
		2				
	7			22		
25'						
	WH		S9	25		Very soft, dark brown / yellow-brown, CLAY, & mf Sand; organic odor, Peat, moist.
		WH	24			
		1				
	2			27		
30'						
	WH		S10	30		Very soft, dark gray, CLAY, & fine Sand, moist.
		WH	24			
		WH				
	WH			32		
35'						
	WH		S11	35		Very soft, dark gray, CLAY, & f. Sand; moist.
		WH	24			
		WH		37		
	WH					
40'						

BORING NO. **B121**

BORING RECORD SHEET

Boring No. **B121**
Sheet 3 of 6
Job No. PR08-0027

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE & NO.	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
40'						
	WH		S12	40	Clay	Very soft, dark gray, CLAY, & f. Sand; moist.
		WH	24			
		1				
	2			42		
45'						
	WH		S13	45		Very soft, dark gray, CLAYEY SILT, & mf Sand; moist.
		WH				
		1				
	2			47		
50'						
	3		S14	50	Sand	Loose, dark gray, mf SAND, Little Silt; moist.
		3	12			
		5				
	6			52		
55'						
	3		S15	55		Loose, red-brown, mf SAND, little Silt; moist.
		5	13			
		5				
	7			57		
60'						

BORING NO. **B121**

BORING RECORD SHEET

Boring No. **B121**
Sheet 4 of 6
Job No. PR08-0027

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE & NO.	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
60'						
	3		S16	60	Sand	Loose, red-brown, cmf SAND, tr. Silt; moist.
		3	11			
		5				
	6			62		
65'						
	3		S17	65		Loose, red-brown, cmf SAND, tr. Silt; moist.
		3	12			
		5		67		
	8					
70'						
	4		S18	70		Medium dense, red-brown, cmf SAND, tr. Silt; moist.
		6	10			
		6				
	6			72		
75'						
	3		S19	75		Loose, yellow-brown, cmf SAND, tr. Silt, moist.
		3	14			
		5				
	7			77		
80'						

BORING NO. **B121**

BORING RECORD SHEET

Boring No. **B121**
Sheet 5 of 6
Job No. PR08-0027

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE & NO.	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
80'						
	4		S20	80	Sand	Loose, brown, mf SAND, tr. Silt; moist.
		4	12			
		6				
	7			82		
85'						
	3		S21	85		Loose, brown, mf SAND, tr. Silt; moist.
		3	14			
		4				
	6			87		
90'						
	4		S22	90		Medium dense, brown, mf SAND, tr. Silt; moist.
		5	17			
		6				
	7			92		
95'						
	4		S23	95		Medium dense, brown, mf SAND, tr. Silt; naphthalene odor from hole.
		5	14			
		10				
	11			97		
100'						

BORING NO. **B121**

BORING RECORD SHEET

Boring No.	**B121**
Sheet	6 of 6
Job No.	PR08-0027

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE & NO.	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
100'						
	27		S24		Sand	Very dense, cmf SAND, tr. cf Gravel, tr. Silt; (oily film).
	50		4			
			C1	101	Boulders	Recovery 26/48=54% RQD:12/48=25%
105'				105		
			C2	105		Recovery 9/24=37% RQD:4/24=16%
				107		
	33					
	50			108		No recovery, lost tip of split spoon
			C3	108	Bedrock	Recovery: 60/60=100% RQD:17/60=28% Hard, light gray, yellow brown, medium grained, slightly weathered, SANDSTONE. Bedding thin, low angle. Joint, moderately dipping, extremely close to close, rough, undulating, fresh, discolored.
110'						
				113		
			C4	113		Recovery: 50/60=85% RQD:27/60=45%
115'						Hard, dark red, fine grained, slightly weathered, SHALE / MUDSTONE. Bedding extremely thin to very thin. Joint, low angle, very close to moderate, smooth, undulating, fresh, tight.
				118		
						Bottom of Exploration at 118ft Depth
120'						

BORING NO. **B121**

BORING RECORD SHEET

Client	Hudson County	Boring No.	**B122**
Project	14th Street Viaduct	Sheet	1 of 6
Location	Hoboken, City of Union City	Date Started	June 5, 2009
Boring Contractor	Jersey Boring & Drilling	Date Finished	June 5, 2009
Driller	Jerry Zambardi / Brenton Rousey	Job No.	PR08-0027
Inspector	B. Issac / T. Enright	Elevation	6.22

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE, NO. & REC. (in.)	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
0						
	18		S1	0	Fill	Medium dense, dark brown, coarse to fine SAND, little fine Gravel, little Silt, with concrete, brick fragments, dry.
		8	8			
		6				
	5			2		
	3		S2	2		Loose, dark brown, coarse to fine SAND, little fine Gravel, little Silt, with concrete, brick fragments, dry.
		2	8			
		2				
	8			4		
	8		S3	4		Loose, dark brown, coarse to fine SAND, some Clayey Silt, trace fine Gravel; moist to wet, with concrete and brick fragments. Suspended sampling due to suspected unidentified utility at approximately 7ft depth and move bore hole.
5'		6	12			
		4				
	3			6		
	4			6		
		Refusal				**Bottom of Exploration 6.5 ft Depth** Suspended sampling due to susected unidentified utility at approximately 7 ft depth. Borehole moved to new location
				8		
10'						
15'						
20'						

S- SAMPLE TYPE: S-1 3/8" I.D. SPLIT SPOON

U - UNDISTURBED THIN WALLED TUBE SAMPLE

C - CORE SIZE, I.D.: 2.0 inch TYPE: NX CASING: 4" ID

Total Depth (ft)	6.5
Rock Core (ft)	
BORING NO.	**B122**

BORING RECORD SHEET

Client	Hudson County
Project	14th Street Viaduct
Location	Hoboken, City of Union City
Boring Contractor	Jersey Boring & Drilling
Driller	Jerry Zambardi / Brenton Rousey
Inspector	B. Issac / T. Enright

Boring No.	**B122/B122A**
Sheet	1 of 6
Date Started	June 8, 2009
Date Finished	June 9, 2009
Job No.	PR08-0027
Elevation	6.22

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE, NO. & REC. (in.)	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
0						
	18		S1	0	Fill	Medium dense, dark brown, coarse to fine SAND, little fine Gravel, little Silt, with concrete, brick fragments, dry.
		8	8			
		6				
	5			2		
	3		S2	2		Loose, dark brown, coarse to fine SAND, little fine Gravel, little Silt, with concrete, brick fragments, dry.
		2	8			
		2				
	8			4		
	8		S3	4		Loose, dark brown, coarse to fine SAND, some Clayey Silt, trace fine Gravel; moist to wet, with concrete and brick fragments. Suspended sampling due to suspected unidentified utility at approximately 7ft depth and move bore hole. Bottom of Boring B122
5'		6	12			
		4				
	3			6		
	2		S1	6		Begin Boring B122A Very loose, dark gray, cmf SAND, tr Silt; moist.
		1	7			
		1				
	1			8		
	1		S2	8		Very loose, dark gray, cmf Sand, sm. Silt, tr. f. Gravel; moist.
		1	2			
		1				
10'	1			10		
	3		S3	10		Loose, dark gray, SILT, cmf Sand, tr. f. Gravel; red brick fragments, moist.
		3	1			
		3				
	3			12		
15'						
	1		S4	15		Loose, dark gray, cmf SAND, little f. Gravel, tr. Silt; red brick fragments, moist.
		3	1			
		2				
	2			17		
20'						

S- SAMPLE TYPE: S-1 3/8" I.D. SPLIT SPOON

U - UNDISTURBED THIN WALLED TUBE SAMPLE

C - CORE SIZE, I.D.: 2.0 inch TYPE: NX CASING: 4" ID

Total Depth (ft)	110
Rock Core (ft)	10
BORING NO.	**B122/B122A**

BORING RECORD SHEET

Boring No. **B122/B122A**
Sheet 2 of 6
Job No. PR08-0027

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE & NO.	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
20'						
	8		S9		Clay	Stiff, dark gray, CLAY, sm. cmf Sand, tr. f. Gravel; moist.
		8	9			
		3				
	1					
				24		Undisturbed sample, no recovery
25'						
				26		
			U1	26		
				28		
30'						
	WH		S6	30		Very soft, dark gray, CLAY.
		WH	24			
		WH				PP<0.25tsf
	WH			32		
			S7			Undisturbed sample, no recovery took split spoon.
			24			Clay, some Sand.
			U2	34		
35'			15			
				36		
40'						

BORING NO. **B122/B122A**

BORING RECORD SHEET

Boring No. **B122/B122A**
Sheet 3 of 6
Job No. PR08-0027

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE & NO.	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
40'						
	1		S8	40	Clay	Medium stiff, dark gray, mf SAND, little silt; shell fragments, moist.
		1	24			
		7				
	11			42		
45'						
	WH		S9	45		Very soft, dark gray, CLAY, & mf SAND; moist.
		WH	24			
		WH				PP<0.25tsf
	WH			47		
50'						
	6		S10	50	Sand	Medium dense, red-brown, cmf Sand, tr. Silt; moist.
		6	16			
		9				
	13			52		
55'						
	2		S11	55		Loose, dark gray, mf SAND, little Silt; moist.
		4	15			
		6				
	5			57		
60'						

BORING NO. **B122/B122A**

BORING RECORD SHEET

Boring No. **B122/B122A**
Sheet 4 of 6
Job No. PR08-0027

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE & NO.	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
60'						
	2		S12	60	Sand	Loose, dark gray, mf Sand, little Silt; moist.
		3	17			
		4				
	5			62		
65'						
	3		S13	65		Loose, dark gray, mf SAND, little Silt; moist.
		4	15			
		5				
	5			67		
70'						
	2		S14	70		Medium dense, dark gray, mf SAND, little Silt; moist.
		7	12			
		9				
	10			72		
75'						
	4		S15	75		Medium dense, brown, mf SAND, little Silt; moist.
		6	12			
		8				
	9			77		
80'						

BORING NO. **B122/B122A**

BORING RECORD SHEET

Boring No. **B122/B122A**
Sheet 5 of 6
Job No. PR08-0027

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE & NO.	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
80'						
	6		S16	80	Sand	Medium dense, brown, cmf SAND, tr. Gravel, tr. Silt; moist.
		6	13			
		18				
	50			82		
85'						
	5		S17	85		Very dense, brown, cmf SAND, tr. cf Gravel, tr. Silt; petroleum odor, oily film at 87ft, shell fragments, moist.
		18	24			
		41				
	20			87		
90'						
	12		S18	90		Very dense, dark gray, cf GRAVEL, tr. cmf Sand, tr Silt; petroleum odor, moist.
		37	2			
		34				
	56			92		
95'						
	10		S19	95		Dense, red-brown, CLAY, little cmf SAND; bottom 5 inches is made-up of fine brown Gravel with petroleum odor, moist.
		15	24			
		30				
	33			97		PP=3tsf
100'						

BORING NO. **B122/B122A**

BORING RECORD SHEET

Boring No. **B122/B122A**
Sheet 6 of 6
Job No. PR08-0027

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE & NO.	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
100'						
			C1	100	Bedrock	Recovery: 53/60=88% RQD: 48/60=80% Hard, fresh, light tan, fine to medium grained, SANDSTONE, very thin. Primary joint set, horizontal, wide, rough, undulating, fresh, tight.
105'				105		
			C2	105		Recovery: 43/60=71% RQD: 4/60=7% 105'-107':Hard, fresh, dark red, fine to medium grained, MUDSTONE. Bedding extremely thin. Primary joint set, low angle, very close, rough, undulating, discolored, tight. 107'-110': Hard, fresh, light tan, fine to medium grained, SANDSTONE, very thin. Primary joint set, horizontal, wide, rough, undulating, fresh, tight.
110'				110		
						Bottom of Exploration 110ft Depth
115'						
120'						

BORING NO. **B122/B122A**

BORING RECORD SHEET

Client	Hudson County
Project	14th Street Viaduct
Location	Hoboken, City of Union City
Boring Contractor	Jersey Boring & Drilling
Driller	Jerry Zambardi / Brenton Rousey
Inspector	B. Issac

Boring No.	**B123**
Sheet	1 of 4
Date Started	June 10, 2009
Date Finished	June 10, 2009
Job No.	PR08-0027
Elevation	5.28

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE, NO. & REC. (in.)	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
0						
						Asphalt surface approximately 6 inches thick over laying 6 inches thick concrete
	5		S1	1	Fill	Medium dense, brown, coarse to fine SAND, trace Silt, trace fine Gravel, with concrete, brick and cinder fragments, dry.
	12		12	2		
	8		S2	2		Medium dense, brown, coarse to fine SAND, trace Silt, trace fine Gravel, with concrete, brick and cinder fragments, dry.
		4	18			
		3				
	3			4		
	3		S3	4		Loose, brown, coarse to fine SAND, little Silt, trace fine Gravel; with brick, concrete, and cinder fragments, wet at bottom 3 inches.
5'		2	18			
		2				
	2			6		
	WH		S4	6		Loose, dark brown, coarse to fine SAND, little Silt, little fine Gravel; with brick, concrete, and cinder fragments, wet.
		1	12			
		3				
	2			8		
	2		S5	8		Loose, dark brown, coarse to fine SAND, little Clayey Silt, little fine Gravel; with brick, concrete, and cinder fragments, wet.
		5	18			
		7				
10'	8			10		
	4		S6	10		Loose, dark brown, coarse to fine SAND, little Silt, little fine Gravel; with brick, concrete, and cinder fragments, wet.
		3	8			
		4				
	5			12		
15'						
	8		S7	15		Medium dense, brown, coarse to fine SAND, little Silt and Gravel; with brick concrete fragments, material observed to be containing some oil like material.
		7	8			
		5				
	5			17		
20'						

S- SAMPLE TYPE: S-1 3/8" I.D. SPLIT SPOON

U - UNDISTURBED THIN WALLED TUBE SAMPLE

C - CORE SIZE, I.D.: 2.0 inch TYPE: NX CASING: 4" ID

Total Depth (ft)	67
Rock Core (ft)	--
BORING NO.	**B123**

BORING RECORD SHEET

Boring No. **B123**
Sheet 2 of 4
Job No. PR08-0027

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE & NO.	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
20'						
	WH		S8	20	Silty Clay and Peat	Very soft, brown, gray, Silty Clay, and fibrous Peat, trace fine Sand.
		WH	20			
		WH				
	2			22		
25'						
	WH		S9	25	Silty Clay	Very soft, gray, SILTY CLAY, with trace organic matter, trace fine Sand.
		WH	20			
		WH				
	WH			27		
30'						
	1		S10	30	Sand	Loose, gray, brown, medium to fine SAND, little Silty Clay.
		2	24			
		1		32		
	2					
35'						
	3		S11	35		Loose, gray, brown, medium to fine SAND, little Silty Clay.
		5	18			
		6				
	5			37		
40'						

BORING NO. **B123**

BORING RECORD SHEET

Boring No. **B123**
Sheet 3 of 4
Job No. PR08-0027

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE & NO.	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
40'						
	6		S12	40	Sand	Loose, brown, fine SAND, little Silt.
		5	24			
		2				
	4			42		
45'						
	2		S13	45		Loose, brown, medium to fine SAND, trace Silt.
		4	18			
		5				
	6			47		
50'						
	2		S14	50		Loose, brown, medium to fine SAND, trace Silt; observed light oily sheen in the sample.
		4	15			
		4				
	8			52		
55'						
	3		S15	55		Loose, brown, medium to fine SAND, trace Silt.
		3	12			
		4				
	5			57		
60'						

BORING NO. **B123**

BORING RECORD SHEET

Boring No. **B123**
Sheet 4 of 4
Job No. PR08-0027

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE & NO.	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
60'						
	3		S16	60	Sand	Loose, brown, coarse to fine SAND.
		5	15			
		5				
	8			62		
					Sand & Gravel	Gravel layer encountered at 66ft depth during drilling.
65'						
	23		S17	65		Dense, gray-brown, coarse to fine SAND, and fine Gravel, trace Silt; observed oil like material at the tip of the sample.
		22	15			
		16				
	17			67		
						Bottom of Exploration at 67ft Depth
						Bore hole grouted and sealed on the surface
70'						
75'						
80'						

BORING NO. **B123**

BORING RECORD SHEET

Client	Hudson County	Boring No.	**MW124**
Project	14th Street Viaduct	Sheet	1 of 1
Location	Hoboken, City of Union City	Date Started	July 7, 2009
Boring Contractor	Jersey Boring & Drilling	Date Finished	July 7, 2009
Driller	Jerry Zambardi / Donald / Sean	Job No.	PR08-0027
Inspector	T. Enright	Elevation	5.84

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE, NO. & REC. (in.)	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
0						Belgium blocks removed from the surface
					Fill	
		19	S1	0.5		Medium dense, brown, dark brown, coarse to fine SAND, little Gravel, trace Silt; with concrete, cinder, and brick fragments.
		19	8			
	8			2		
	6		S2	2		Medium dense, brown, dark brown, coarse to fine SAND, little Gravel, trace Silt; with concrete, cinder, and brick fragments.
		6	8			
		5				
	4			4		
	6		S3	4		Loose, dark brown, coarse to fine SAND, little Silt, trace fine Gravel.
5'		4	10			
		3				
	3			6		
	3		S4	6		Fine GRAVEL; and pieces of ceramic tiles, slight naphthalene like odor.
		2	2			
		3				
	10			8		
	2		S5	8		Loose, dark, brown, coarse to fine SAND, some Clayey Silt, trace fine Gravel. Dark brown oil like material (OLM) observed with strong naphthalene odor, concrete, and cinder fragments.
		3	8			
		3				
10'	2			10		
	1		S6	10		Loose, dark, brown, coarse to fine SAND, some Clayey Silt, trace fine Gravel. Dark brown OLM observed with strong naphthalene odor, concrete, and cinder fragments.
		3	2			
		3				
	3			12		
						Casing advanced to 13ft depth for monitoring well installation
						Bottom of Exploration at 13ft Depth
15'						
20'						

S- SAMPLE TYPE: S-1 3/8" I.D. SPLIT SPOON

U - UNDISTURBED THIN WALLED TUBE SAMPLE

C - CORE SIZE, I.D.: 2.0 inch TYPE: NX CASING: 4" ID

Total Depth (ft)	13
Rock Core (ft)	--
BORING NO.	**MW124**

BORING RECORD SHEET

Client	Hudson County
Project	14th Street Viaduct
Location	Hoboken, City of Union City
Boring Contractor	Jersey Boring & Drilling
Driller	Jerry Zambardi / Donald / Sean
Inspector	B. Issac / T. Enright

Boring No.	**B124**
Sheet	1 of 5
Date Started	July 7, 2009
Date Finished	July 9, 2009
Job No.	PR08-0027
Elevation	6.09

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE, NO. & REC. (in.)	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
0						Belgium blocks removed from the surface
					Fill	
		19	S1	0.5		Medium dense, brown, dark brown, coarse to fine SAND, little Gravel, trace Silt; with concrete, cinder, and brick fragments.
		19	8			
	8			2		
	6		S2	2		Medium dense, brown, dark brown, coarse to fine SAND, little Gravel, trace Silt; with concrete, cinder, and brick fragments.
		6	8			
		5				
	4			4		
	6		S3	4		Loose, dark brown, coarse to fine SAND, little Silt, trace fine Gravel.
5'		4	10			
		3				
	3			6		
	3		S4	6		Fine GRAVEL; and pieces of ceramic tiles, slight naphthalene like odor.
		2	2			
		3				
	10			8		
	2		S5	8		Loose, dark, brown, coarse to fine SAND, some Clayey Silt, trace fine Gravel. Dark brown oil like material (OLM) observed with strong naphthalene odor, concrete, and cinder fragments.
		3	8			
		3				
10'	2			10		
	1		S6	10		Loose, dark, brown, coarse to fine SAND, some Clayey Silt, trace fine Gravel. Dark brown OLM observed with strong naphthalene odor, concrete, and cinder fragments.
		3	2			
		3				
	3			12		
						Above data as observed at MW124
15'						
	1		S1	15	Peat and Silt	Soft, dark brown, PEAT, little Silt, trace fine Sand; approximately 60% - 80% fibers observed, black oil like substance on the sample, Naphthalene odor.
		3	12			
		3				
	1			17		
20'						

S- SAMPLE TYPE: S-1 3/8" I.D. SPLIT SPOON

U - UNDISTURBED THIN WALLED TUBE SAMPLE

C - CORE SIZE, I.D.: 2.0 inch TYPE: NX CASING: 4" ID

Total Depth (ft)	101
Rock Core (ft)	15
BORING NO.	**B124**

BORING RECORD SHEET

Boring No. **B124**
Sheet 2 of 5
Job No. PR08-0027

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE & NO.	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
20'						
	WH		S2	20	Clayey Silt	Very soft, dark brown, CLAYEY SILT; organic odor, with trace organic matter.
		WH	24			
		2				
	2			22		
25'						
	WH		S3	25	Sand	Very loose, gray, medium to fine SAND, little Clayey Silt; wet.
		1	24			
		2				
	1			27		
30'						
	1		S4	30		Very loose, brown, medium to fine SAND, trace Silt; slight naphthalene odor.
		1	18			
		2				
	2			32		
35'						
	8		S5	35		Medium dense, brown, medium to fine SAND, trace Silt; slight naphthalene odor, observed OLM in the sample at 36.5ft depth.
		5	18			
		6		37		
	8					
40'						

BORING NO. **B124**

BORING RECORD SHEET

Boring No. **B124**
Sheet 3 of 5
Job No. PR08-0027

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE & NO.	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
40'						
	2		S6	40	Sand	Loose, brown, medium to fine SAND, trace Silt; slight naphthalene odor.
		4	18			
		4				
	5			42		
45'						
	2		S7	45		Loose, brown, medium to fine SAND, trace Silt; slight naphthalene odor.
		3	12			
		4				
	7			47		
50'						
	5		S8	50		Medium dense, brown, medium to fine SAND, trace Silt; slight naphthalene odor.
		6	20			
		10				
	9			52		
55'					Sand & Gravel	4" thick layer of gray-brown, coarse to fine SAND, and Gravel; with brown OLM with naphthalene odor.
	12		S9	55		Very stiff, red-brown, clayey SILT / silty CLAY.
		15	12		Silty Clay	
		15				
	7			57		
60'						

BORING NO. **B124**

BORING RECORD SHEET

Boring No. **B124**
Sheet 4 of 5
Job No. PR08-0027

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE & NO.	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
60'						
	3		S10	60	Silty Clay / Sand & Gravel	Recovered fine GRAVEL, with Clayey Silt , <2" Silty Clay observed outside the split spoon.
		5	2			
		6				
	8			62		
65'						
	11		S11	65		Medium dense, red-brown, medium to fine SAND, and fine Gravel, little Silty Clay.
		10	4			
		19				
	54			67		Drilled through boulders, cobble and gravel.
70'						
	12		S12	70		Very dense, red-brown, CLAYEY SAND, and coarse to fine Gravel.
		22	20			
		46				
	66			72		Encounter boulders and cobbles during boring advance.
75'						
	12		S13	75		75'-76': similar to S12
		27	15			
		30				76'-77': Very dense, red-brown, gray, varved, CLAYEY SILT, Silty Clay, and fine to medium Sand; varved up to 5 mm thick.
	50/2			77		
80'						

BORING NO. **B124**

BORING RECORD SHEET

Boring No. **B124**
Sheet 5 of 5
Job No. PR08-0027

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE & NO.	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
80'						
	8		S14	80	Sand	Very dense, brown, coarse to fine SAND, and fine Gravel, little Silt.
		88	15			
		60				
	36			82		
85'						
	13		S15	85	Bedrock	No recovery, fine Gravel washed in the spoon.
		75/2	0	86		
			C1	86		Recovery: 58/60=96% RQD: 31/60=51%
						86'-87': Hard, fresh to slightly weathered, tan, brown, fine grained, SANDSTONE.
						87'-91': Hard, fresh to slightly weathered, tan, fine grained to coarse grained, SANDSTONE. Bedding, horizontal, very thin to thin. Joint horizontal to low angle, close, rough, undulating to smooth, discolored to decomposed, tight. Most joints below 88.5ft depth.
90'						
				91		
			C2	91		Recovery: 20/60=33% RQD: 0/60=0%
						Hard, SANDSTONE.
95'						
				96		
			C3	96		Recovery: 52/60=96% RQD: 41/60=68%
100'						
						Bottom of Exploration at 101ft Depth

BORING NO. **B124**

BORING RECORD SHEET

Client	Hudson County
Project	14th Street Viaduct
Location	Hoboken, City of Union City
Boring Contractor	Jersey Boring & Drilling
Driller	Jerry Zambardi / Donald
Inspector	B. Issac

Boring No.	**B125**
Sheet	1 of 5
Date Started	July 2, 2009
Date Finished	July 6, 2009
Job No.	PR08-0027
Elevation	5.90

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE, NO. & REC. (in.)	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
0						
	4		S1	0	Fill	Medium dense, brown, coarse to fine, SAND, little Silt, little fine gravel; with concrete and cinder fragments.
		12	18			
		6				
	8			2		
	4		S2	2		Loose, brown, coarse to fine SAND, trace Silt; with pieces of concrete.
		2	4			
		3				
	3			4		
	1		S3	4		Loose, brown, coarse to fine SAND, trace Silt; with pieces of concrete.
5'		1	3			
		1				
	1			6		
	PUSH		S4	6		No recovery with standard split spoon sampler and 3" split spoon sampler.
			0			
				8		
	PUSH		S5	8		Very loose, dark brown, coarse to fine SAND, little Silt, little Gravel; with stone aggregate and concrete fragments, naphthalene like odor.
			12			
10'				10		
	PUSH			10		Very loose layer, unable to obtain split spoon sample recovery.
				12		
15'						
	2		S6	15		No recovery
		3	0			
		4				
	1			17		
					Peat	
20'						

S- SAMPLE TYPE: S-1 3/8" I.D. SPLIT SPOON

U - UNDISTURBED THIN WALLED TUBE SAMPLE

C - CORE SIZE, I.D.: 2.0 inch TYPE: NX CASING: 4" ID

Total Depth (ft)	90
Rock Core (ft)	10
BORING NO.	**B125**

BORING RECORD SHEET

Boring No. **B125**
Sheet 2 of 5
Job No. PR08-0027

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE & NO.	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
20'						
	WH		S7	20	Peat	Very soft, brown, PEAT, and Sandy Silt; approximately 60% - 80% organic matter, organic odor.
		WH	24			
		1				
	1			22		
				23		
					Sand	
25'						
	1		S8	25		Loose, gray, medium to fine SAND, trace Silt; organic odor.
		3	18			
		4				
	4			27		
30'						
	1		S9	30		Loose, gray, red-brown, medium to fine SAND, trace Silt.
		3	18			
		4				
	7			32		
35'						
	3		S10	35		Medium dense, gray, coarse to fine SAND, trace Silt.
		8	12			
		9				
	8			37		
40'						

BORING NO. **B125**

BORING RECORD SHEET

Boring No. **B125**
Sheet 3 of 5
Job No. PR08-0027

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE & NO.	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
40'						
	2		S11	40	Sand	Medium dense, gray, coarse to fine SAND, trace Silt.
		3	12			
		4				
	5			42		
45'						
	4		S12	45		Medium dense, gray, coarse to fine SAND, trace Silt.
		5	15			
		14				
	15			47		Red-brown, fine grained, SANDSTONE, at the tip of the spoon.
50'						
	7		S13	50		Medium dense, red-brown, cmf SAND, little f. Gravel, tr. Silt; naphthalene odor.
		12	10			
		13				
	10			52		
55'						
	2		S14	55	Silty Clay	Medium stiff, red-brown, CLAYEY SILT; wet.
		2	9			
		6				
	6			57		
60'						

BORING NO. **B125**

BORING RECORD SHEET

Boring No. **B125**
Sheet 4 of 5
Job No. PR08-0027

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE & NO.	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
60'						
	3		S15	60	Silty Clay	Stiff, red-brown, CLAYEY SILT; wet.
		5	24			
		4				
	5			62		
65'						
	6		S16	65	Silty Clay	Stiff, gray, red-brown, CLAYEY SILT; with fine Sand and Silty Clay varved.
		7	20			
		8				
	8			67		
70'						
	8		S17	70	Silty Clay	Very Stiff, red-brown, gray, CLAYEY SILT; with coarse to fine Sand.
		9	12			
		13				
	15			72		
75'						
	24		S19	75	Boulders / Weathered Bedrock	Very dense, tan and red-brown, coarse to fine SAND, little Silt; likely weathered Sandstone.
		42	15			
		70				
	84			77		
				78		
					Bedrock	
80'						

BORING NO. **B125**

BORING RECORD SHEET

Boring No. **B125**
Sheet 5 of 5
Job No. PR08-0027

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE & NO.	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
80'						
			C1	80	Bedrock	Hard, tan, fresh to slightly weathered, fine to coarse grained, SANDSTONE. Bedding, horizontal, medium to thick. Joint, horizontal at 84ft depth: close, rough, discolored to decomposed. Joint moderately dipping, wide, undulating, fresh to discolored, tight. Recovery: 60/60=100% RQD: 57/60= 95% 84.3' - 85': Hard, fresh, tan, fine grained, SANDSTONE.
85'				85		
			C2	85		85'-88': Hard, tan and red-brown, fresh to slightly weathered, fine grained, SANDSTONE. Bedding, horizontal, close. Joint, horizontal, discolored, very close, rough. Recovery: 60/60=100% RQD: 53/60=88% 88'-90': Hard, tan, fine to coarse grained, SANDSTONE. Joint, horizontal, fresh, discolored, moderate, tight.
90'				90		
						Bottom of Exploration at 90ft Depth Note: S18 ignored due to sampling error. Although last split spoon sample was obtained at 80' to 82' depth. The rock core was obtained from 80' to 90' depth. This discrepancy in sampling should be verified using adjacent borings.
95'						
100'						

BORING NO. **B125**

BORING RECORD SHEET

Client	Hudson County
Project	14th Street Viaduct
Location	Hoboken, City of Union City
Boring Contractor	Jersey Boring & Drilling
Driller	Joe Kurzynowski / Mario
Inspector	B. Issac

Boring No.	**B126**
Sheet	1 of 4
Date Started	June 25, 2009
Date Finished	June 29, 2009
Job No.	PR08-0027
Elevation	4.93

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE, NO. & REC. (in.)	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
0						Edge of asphalt pavement, on subgrade
Hand Auger			A1	0	Fill	Brown, coarse to fine SAND, and fine Gravel, little Silt; dry, with brick and concrete fragments.
				2		
			A2	2		Brown, coarse to fine SAND, some Silt, little fine Gravel, moist, with stone and concrete fragments.
				4		
			A3	4		Brown, coarse to fine SAND, some Silt, little fine Gravel, wet, with stone and concrete fragments.
6'				6		
	4		S1	6		Loose, dark brown, coarse to fine SAND, little Silt, little fine Gravel; wet, with concrete fragment.
		4	18			
		4				
	3			8		
	3		S2	8		Loose, dark brown, coarse to fine SAND, little Silt, little fine Gravel; with concrete and brick fragments.
		4	15			
		3				
10'	2			10		
	1		S3	10		Very loose, dark brown, medium to fine SAND, little Silt, trace fine Gravel; wet, with brick and concrete fragments.
		1	12			
		2				
	3			12		
15'						
	1		S4	15		Pieces of gravel in the tip of the spoon
		2	1			
		3				
	3			17		
20'						

S- SAMPLE TYPE: S-1 3/8" I.D. SPLIT SPOON

U - UNDISTURBED THIN WALLED TUBE SAMPLE

C - CORE SIZE, I.D.: 2.0 inch TYPE: NX CASING: 4" ID

Total Depth (ft)	71.5
Rock Core (ft)	1.5
BORING NO.	**B126**

BORING RECORD SHEET

Boring No. **B126**
Sheet 2 of 4
Job No. PR08-0027

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE & NO.	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
20'						
	1		20	S5	Peat / Silty Clay	Soft, dark brown, PEAT, and organic Silt, little coarse to fine SAND, organic odor. Approximate 60% to 80% organic matter.
		1				
		2				
	2		22			
	PUSH		22	U1		
				14		
				23		
			24		Sand and Gravel	Gray, fine SAND, little Silt.
	WH		24	S6		Very loose, gray, medium to fine SAND, little Silt.
25'		WH		24		
		1				
	2		26			
30'						
	5		S7	30		Medium dense, gray, coarse to fine SAND, little Silt, little fine Gravel.
		7	16			
		9				
	11			32		
35'						
	12		S8	35		3 pieces of gravel
		15	3			
		14				
	13			37		
				39		
40'						

BORING NO. **B126**

BORING RECORD SHEET

Boring No. **B126**
Sheet 3 of 4
Job No. PR08-0027

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE & NO.	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
40'						
	4		S9	40	Silty Clay	Stiff, red-brown, gray, SILTY CLAY, little fine Sand.
		4	12			
		6				
	7			42		
45'						
	4		S10		Silty Clay	Stiff, red-brown, gray, SILTY CLAY, little fine Sand.
		4	18			
		5				
	5					
50'						
	16		S11	50	Decomposed Rock	Medium dense, red-brown, dark gray, coarse to fine SAND, and Silty Clay: decomposed rock fragments.
		15	18			
		11				
	10			52		
55'						
	30		S12	55	Decomposed Rock	Medium dense, red-brown, dark gray, coarse to fine SAND, and Silty Clay: decomposed rock fragments.
		36	18			
		31				
	34			57		
60'						

BORING NO. **B126**

BORING RECORD SHEET

Boring No. **B126**
Sheet 4 of 4
Job No. PR08-0027

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE & NO.	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
60'						
	7		S13	60	Decomposed Rock	Very dense, gray, coarse to fine SAND, and some fine Gravel, some Silt; decomposed rock fragments.
		24	12			
		100/4				
				62		
65'						
	37		S14	65		Very dense, gray, brown, red brown, tan, coarse to fine SAND, some Silt, little fine Gravel; decomposed bedrock.
		40	18			
		42				
	52			67		
70'						
		C1		70	Bedrock	Recovery 10/18=55% Hard, dark brown, fine to Medium grained, moderately weathered SANDSTONE.
				71.5		
75'						**Bottom of Exploration at 71.5 ft depth** Borehole abandon due to high contamination observed during rock coring
80'						

BORING NO. **B126**

BORING RECORD SHEET

Client	Hudson County
Project	14th Street Viaduct
Location	Hoboken, City of Union City
Boring Contractor	Jersey Boring & Drilling
Driller	Jerry Zambordi / Brenton
Inspector	B. Issac

Boring No.	**B127**
Sheet	1 of 4
Date Started	June 22, 2009
Date Finished	June 23, 2009
Job No.	PR08-0027
Elevation	5.49

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE, NO. & REC. (in.)	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
0						
Hand Auger			A1	0	Fill	Dark brown, coarse to fine SAND, little Silt, little fine Gravel; with concrete, brick, wood fragments.
				2		
			A2	2		Dark brown, coarse to fine SAND, trace Silt, little fine Gravel; with concrete, cinder and metal fragments.
				4		
			A3	4		Dark brown, coarse to fine SAND, little Silt; with concrete fragments, oily sheen and petroleum like odor observed.
6'				6		
	4		S1	6		Loose, dark brown, coarse to fine SAND, little Silt, trace fine Gravel; with concrete, wood, brick fragment, wet.
		5	15			
		4				
	5			8		
	4		S2	8		Loose, dark brown, coarse to fine SAND, little Silt, trace fine Gravel; with concrete, wood, brick fragment wet.
		5	10			
		10				
10'	8			10		
	5		S3	10		Loose, dark brown, coarse to fine SAND, little Silt, trace fine Gravel; with concrete, wood, brick fragment wet, oily sheen observed, slight naphthalene like odor.
		10	8			
		4				
	5			12		
	5		S4	12		No recovery; Oily sheen on the spoon, strong naphthalene odor. Oil like material (OLM) observed during drilling.
		4	0			
		3				
	2			14		
15'						
	WH		S5	17	Peat / Silty Clay	Very soft, dark brown, SILTY CLAY, and PEAT (approximately 40 to 60 %); oily sheen observed at several spots on the sample recovered
		WH	24			
		1				
	2			19		
	PUSH		U1	19		
			10			Very soft, dark brown, SILTY CLAY, and PEAT (approximately 40 to 60 %); oily sheen observed at several spots on the sample recovered.
20'						
				21		

S- SAMPLE TYPE: S-1 3/8" I.D. SPLIT SPOON

U - UNDISTURBED THIN WALLED TUBE SAMPLE

C - CORE SIZE, I.D.: 2.0 inch TYPE: NX CASING: 4" ID

Total Depth (ft)	80
Rock Core (ft)	10
BORING NO.	**B127**

BORING RECORD SHEET

Boring No. **B127**
Sheet 2 of 4
Job No. PR08-0027

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE & NO.	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
20'				19		Undisturbed tube sample
			U1		Peat / Silty Clay	
				21		
25'				25		
	10		S6	25	Sand & Gravel	Medium dense, brown, gray, yellow-red, coarse to fine SAND, and rock fragments, little Silt.
		12	12			
		15				
	16			27		
30'						
	2		S7	30		Clean fine Gravel, likely wash, no water loss report
		7	3			
		10				
	16			32		
					Silty Clay	
35'						
	2		S8	35		Stiff, brown, red-brown, gray, SILTY CLAY, with fine sand varves.
		4	20			
		5				
	6			37		
	PUSH			37		
				39		
40'						

BORING NO. **B127**

BORING RECORD SHEET

Boring No. **B127**
Sheet 3 of 4
Job No. PR08-0027

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE & NO.	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
40'						
	2		S9	40	Silty Clay	Medium stiff, red-brown, CLAY, sm. f. Sand; wet.
		3	24			
		3				
	3			42		
45'						
	4		S10	45		Very stiff, red-brown, CLAY, sm. f. Sand; petroleum odor, wet.
		6	10			
		10				
	14			47		
50'						
	29		S11	50		Hard, light brown, cmf SAND, & Clay; wet.
		35				
		46				
	36			52		
55'						
		C1		55	Decomposed Rock	Recovery: 16/60=23% RQD = 0 Dark gray, dark brown, boulders
		16				
60'				60		

BORING NO. **B127**

BORING RECORD SHEET

Boring No.	**B127**
Sheet	4 of 4
Job No.	PR08-0027

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE & NO.	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
60'						
	24		S12	60	Decomposed Rock	Hard, red-brown, cmf SAND, lt. Silt, tr. f. Gravel; (petroleum odor), wet.
		40	21			
		70				
	35			62		
65'						
	17		S13	65		Hard, red-brown, cmf SAND, lt. Silt, tr. f. Gravel; (petroleum odor, oily film), wet.
		16	21			
		33				
	90			67		
70'						
			C2	70	Bedrock	Recovery: 50/60=83%" RQD:23/60=38% Hard, slightly weathered, red, medium grained, SANDSTONE. Bedding very thin and horizontal. Primary joint set horizontal, rough, undulating, decomposed, tight.
75'				75		
			C3	75		Recovery: 59/60=98%" RQD:45/60=75% Hard, slightly weathered, red, medium to fine grained, SANDSTONE. Bedding, horizontal, medium. Joint set, horizontal to low angle, close, smooth, undulating, decomposed to discolored, tight.
80'				80		
						Bottom of Exploration at 80 ft depth

BORING NO. **B127**

BORING RECORD SHEET

Client	Hudson County	Boring No.	**B128**
Project	14th Street Viaduct	Sheet	1 of 4
Location	Hoboken, City of Union City	Date Started	June 22, 2009
Boring Contractor	Jersey Boring & Drilling	Date Finished	June 22, 2009
Driller	Jerry Zambardi	Job No.	PR08-0027
Inspector	B. Issac	Elevation	6.76

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE, NO. & REC. (in.)	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
0					Fill	Belgium blocks on surface
Hand Auger			A1	0		Brown to dark brown, coarse to fine SAND, little Silt, little fine Gravel; with brick, concrete fragments.
			Grab			
				2		
			A2	2		Brown to dark brown, coarse to fine SAND, trace fine Gravel, trace Silt, with cinder and concrete fragment.
			Grab			
				4		
			A3	4		Brown, coarse to fine SAND, little Silt, little fine to coarse Gravel; with concrete and cinder fragments.
			Grab			
6'				6		
	3		S1	6		Loose, dark brown, coarse to fine SAND, little Silt, trace fine Gravel; light petroleum odor.
		4	15			
		5				
	3			8		
	3		S2	8		Very loose, brown to dark brown, coarse to fine SAND, some Silt; with concrete fragments.
		2	3			
		1				
10'	3			10		
	2		S3	10		Very loose, brown to dark brown, coarse to fine SAND, some Silt; light petroleum like odor, with concrete fragments.
		1	4			
		1				
	2			12		
15'						
	2		S4	15	Silty Clay	Very soft, dark brown, SILTY CLAY, trace organic; organic odor.
		1	18			
		1				PP=0.25tsf
	2			17		
20'						

S- SAMPLE TYPE: S-1 3/8" I.D. SPLIT SPOON

U - UNDISTURBED THIN WALLED TUBE SAMPLE

C - CORE SIZE, I.D.: 2.0 inch TYPE: NX CASING: 4" ID

Total Depth (ft)	65
Rock Core (ft)	10
BORING NO.	**B128**

BORING RECORD SHEET

Boring No. **B128**
Sheet 2 of 4
Job No. PR08-0027

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE & NO.	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
20'						
	3		S5	20	Silty Sand	Dense, gray, coarse to fine SAND, some Silt, little fine Gravel; trace oily sheen, light petroleum odor.
		10	10			
		28				
	17			22		
25'						
	7		S6	25		Medium dense, red-brown, coarse to fine SAND, and Silt, trace fine Gravel.
		11	15			
		5				
	9			27		
30'						
	2		S7	30		Very loose, brown, coarse to fine SAND, some fine Gravel, little Silt.
		1	6			
		1		32		
	2					
35'						
	5		S8	35		Medium dense, red-brown, olive-brown, medium to fine SAND, and Clayey Silt, little fine Gravel.
		7	6			
		11				
	10			37		
40'						

BORING NO. **B128**

BORING RECORD SHEET

Boring No. **B128**
Sheet 3 of 4
Job No. PR08-0027

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE & NO.	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
40'						
	7		S9	40	Silty Sand	Medium dense, red brown, coarse to fine SAND, and Clayey Silt, trace fine Gravel.
		10	10			
		11				
	10			42		
45'						
	20		S10	45	Decomposed Rock	Very dense, yellow-brown, light brown, red-brown, coarse to fine Sand, some Silt, little fine Gravel. Decomposed rock Naphthalene like odor observed
		58	15			
		29				
	30			47		
50'						
	20		S11	50		Very dense, yellow-brown, light brown, red-brown, coarse to fine Sand, some Silt, little fine Gravel. Decomposed rock Naphthalene like odor observed
		30	18			
		33				
	50/3			52		
55'						
			C1	55	Bedrock	Recovery: 42/60=70% RQD: 14/60=23% Rock core 55' - 57' Moderately hard, highly weathered, red-brown, medium to fine grained, SANDSTONE. Rock core 57'-60' Hard, slightly weathered, tan, fine to medium grained SANDSTONE. Bedding medium to thick. Joint set, horizontal, close, rough, planar, decomposed, tight.
60'				60		

BORING NO. **B128**

BORING RECORD SHEET

Boring No. **B128**
Sheet 4 of 4
Job No. PR08-0027

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE & NO.	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
60'						
			C2	60	Bedrock	Hard, slightly weathered, tan, fine to medium grained, SANDSTONE. Bedding, medium to thick. Joint set, horizontal, close to moderate, rough, planar, fresh, tight. Recovery: 60/60=100% RQD: 42/60=70%
65'				65		
						Bottom of Exploration at 65ft depth
70'						
75'						
80'						

BORING NO. **B128**

BORING RECORD SHEET

Client	Hudson County
Project	14th Street Viaduct
Location	Hoboken, City of Union City
Boring Contractor	Jersey Boring & Drilling
Driller	Joe Kurzynowski/Mario
Inspector	B. Issac / T. Enright

Boring No.	**B129**
Sheet	1 of 3
Date Started	June 22, 2009
Date Finished	June 23, 2009
Job No.	PR08-0027
Elevation	7.35

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE, NO. & REC. (in.)	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
0					Fill	
Hand Auger						
			A1	4		Dark brown, coarse to fine SAND, some Silt, little fine Gravel
			grab			
6'				6		
10'						
	3		S1	10		Loose, dark brown, coarse to fine SAND, trace Silt, little fine Gravel; strong petroleum like odor, oiyl sheen visible throughout the sample.
		4	12			
		3				
	5			12		
15'						
	2		S2	15	Silty Clay	Very soft, brown, SILTY CLAY, little coarse to fine Sand, trace fine Gravel; strong petroleum like odor with organic odor.
		1	15			
		1				
	2			17		
20'						

S- SAMPLE TYPE: S-1 3/8" I.D. SPLIT SPOON

U - UNDISTURBED THIN WALLED TUBE SAMPLE

C - CORE SIZE, I.D.: 2.0 inch TYPE: NX CASING: 4" ID

Total Depth (ft)	55
Rock Core (ft)	10
BORING NO.	**B129**

BORING RECORD SHEET

Boring No. **B129**
Sheet 2 of 3
Job No. PR08-0027

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE & NO.	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
20'						
	21		S3	20	Glacial Till	Medium dense, gray, brown , red-brown, coarse to fine SAND, some Silt, little fine Gravel; light petroleum odor
		11	12			
		9				
	9			22		
25'						
	10		S4	25		Medium dense, Light red-brown, coarse to fine Sand and SILT.
		12	20			
		12				
	14			27		
30'						
	5		S5	30		Loose, grey, red-brown, varved fine SAND and Clayey Silt.
		5	20			
		5				
	8			32		
						Naphthalene like smell observed during drilling.
35'						
	12		S6	35		Medium dense, light brown and red-brown, coarse to fine SAND, little Silt, trace fine Gravel; strong naphthalene like odor.
		14	12			
		14				
	17			37		
40'						

BORING NO. **B129**

BORING RECORD SHEET

Boring No. **B129**
Sheet 3 of 3
Job No. PR08-0027

DEPTH	STANDARD PENETRATION RESISTANCE (BLOWS/6 INCHES)		SAMPLE TYPE & NO.	SAMPLE DEPTH (FT)	STRATA CHANGE DEPTH (ELEV.)	FIELD DESCRIPTION AND REMARKS
40'						
	10		S7	40	Decomposed Rock	Medium dense, red-brown, coarse to fine SAND, some Silt; fragmented red-brown, Sandstone partials.
		9	15			
		18				
	100/5			42		
45'						
	100/2		S8	45	Rock	Very dense, red-brown, cmf SAND, lt. Silty Clay, tr. f Gravel Rock core at 45' Recovery: 60/60=100% RQD: 40/60=66% Hard, slightly weathered, tan-multi, fine to medium grained, SANDSTONE. Bedding very thin to moderate. Primary joint set moderately dipping, moderate, rough undulating ,fresh to discolored, tight. Joint between fine grain and medium grain ±1/2" filled with gray clay, no odor.
			2"			
			C1	45		
50'				50		
			C2	50		Recovery: 60/60=100% RQD: 30/60=50% Hard, fresh, tan-multi, medium to coarse grained, CONGLOMERATE. Bedding thin to medium. Primary joint set moderately dipping, moderate, close, rough undulating, fresh, tight,
55'				55		
						Bottom of Exploration at 55ft depth
60'						

BORING NO. **B129**

APPENDIX F

Monitoring Well Permits, Records, Construction Logs, Forms A and B

JBD copy 09-059

DWR-133M
1/09

STATE OF NEW JERSEY
DEPARTMENT OF ENVIRONMENTAL PROTECTION
TRENTON, NJ

Permit No. _____

Mail To:
NJDEP
BUREAU OF WATER SYSTEMS
AND WELL PERMITTING
PO BOX 426
TRENTON, NJ 08625-0426
email: wellpermitting@dep.state.nj.us

MONITORING WELL PERMIT

VALID ONLY AFTER APPROVAL BY THE D.E.P.

COORD #: 26 . 14 .

Owner: Hudson County
Address: 583 Newark AVE.
Jersey City, N.J. 07306

Driller: Jersey Boring & Drilling Co. Inc.
Address: 150 Wright Street
Newark, N.J. 07114

Name of Facility: 14th Street Viaduct
Address: 14th Street Viaduct
Hoboken, N.J. 07030

Diameter of Well(s)	4 Inches	Proposed Depth of Well(s)	100 Feet
# of Wells Applied for (max. 10)	Site wide	Will pumping equipment be utilized?	YES ☐ NO ☒
Type of Well (see reverse)	Boring/flat bed	If Yes, give pump capacity	N/A cumulative GPM

LOCATION OF WELL(S)

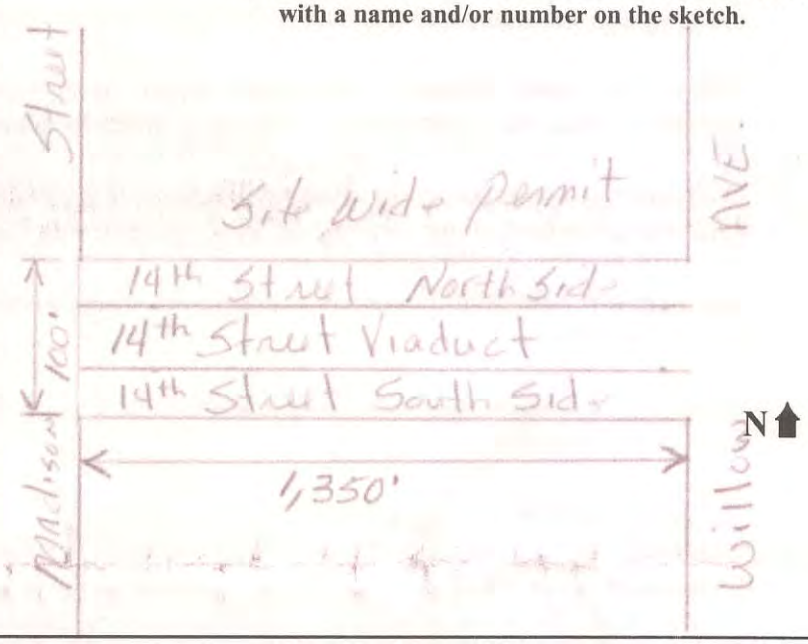
Lot #	Block #	Municipality	County
Row	Row	Hoboken	Hudson

LOCAL ID	NORTHING (Y)	EASTING (X)
B-108	700099	621699

PROPOSED WELL LOCATION (NAD 83 HORIZONTAL DATUM)
NJ STATE PLANE COORDINATE IN US SURVEY FEET

METHOD
☒ **SURVEY** ☐ **DIGITAL IMAGE** ☐ **GPS**

Draw sketch of well(s) nearest roads,buildings, etc. with marked distances in feet. Each well MUST be labeled with a name and/or number on the sketch.



FOR MONITORING WELLS, RECOVERY WELLS, OR PIEZOMETERS, THE FOLLOWING MUST BE COMPLETED BY THE APPLICANT. PLEASE INDICATE WHY THE WELLS ARE BEING INSTALLED:

- ☐ RCRA Site
- ☐ Underground Storage Tank Site
- ☐ Operational Ground Water Permit Site
- ☐ Pretreatment and Residuals Site
- ☐ Water and Hazardous Waste Enforcement Case
- ☐ Water Supply Aquifer Test Observation Well
- ☒ Other (explain) Geotechnical Investigation for future Construction
- ☐ Spill Site
- ☐ ISRA Site
- ☐ CERCLA (Superfund) Site

CASE I.D. Number: N/A

This Space for Approval Stamp

WELL PERMIT APPROVED
N.J. D.E.P.
MAY 15 2009
BUREAU OF WATER SYSTEMS
& WELL PERMITTING

FOR D.E.P. USE ☐ Issuance of this permit is subject to the conditions attached. (see next page) ☐ For monitoring purposes only
☐ _____

SEE REVERSE SIDE FOR IMPORTANT PROVISIONS PERTAINING TO THIS PERMIT.
In compliance with N.J.S.A.58:4A-14, application is made for a permit to drill a well as described above.

Date: 5-7-09 Signature of Driller: [signature] Registration No. J1306

Signature of Property Owner: Todd Batchelor Agent for owner

COPIES: Water Systems & Well Permitting - White Health Dept. - Yellow Owner - Blue Driller - White

DWR-133M
1/09

STATE OF NEW JERSEY
DEPARTMENT OF ENVIRONMENTAL PROTECTION
TRENTON, NJ

PSD 105667
PSD 105375

Mail To:
NJDEP
BUREAU OF WATER SYSTEMS
AND WELL PERMITTING
PO BOX 426
TRENTON, NJ 08625-0426
email: wellpermitting@dep.state.nj.us

Permit No. _____

MONITORING WELL PERMIT

VALID ONLY AFTER APPROVAL BY THE D.E.P.

COORD #: 26 14 741

Owner: Hudson County
Address: 583 Newark AVE.
Jersey City, N.J. 07306

Driller: Jersey Boring & Drilling Co. Inc.
Address: 150 Wright Street
Newark N.J. 07114

Name of Facility: 14th Street Viaduct
Address: 14th Street Viaduct
Hoboken, N.J. 07030

Diameter of Well(s)	2" Inches	Proposed Depth of Well(s)	25' Feet
# of Wells Applied for (max. 10)	9	Will pumping equipment be utilized?	YES ☐ NO ☒
Type of Well (see reverse)	Monitoring	If Yes, give pump capacity	N/A cumulative GPM

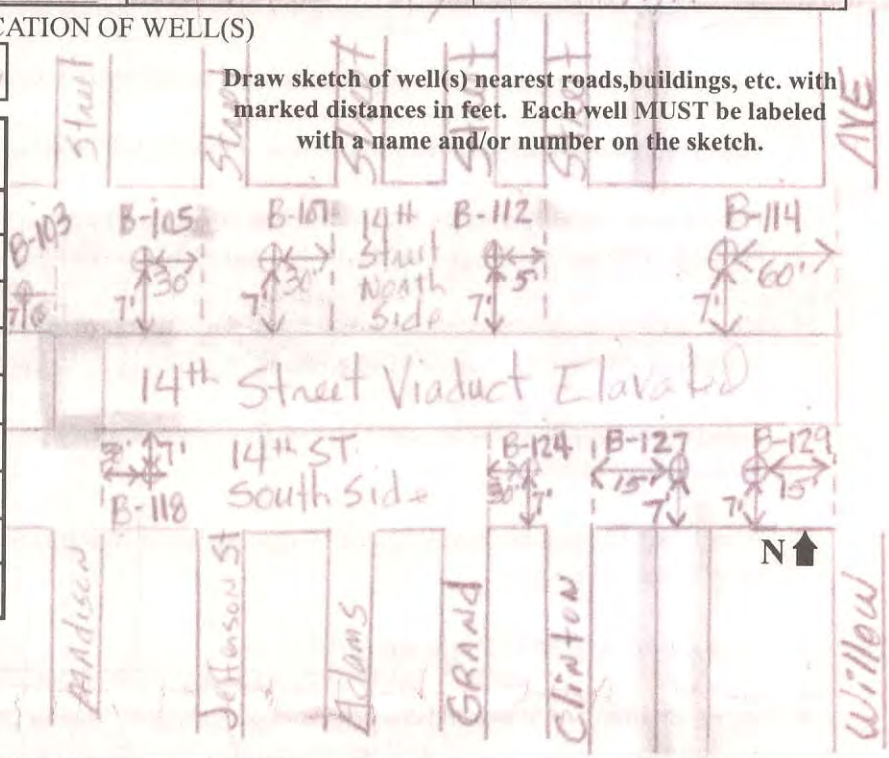
LOCATION OF WELL(S)

Lot #	Block #	Municipality	County
Row	Row	Hoboken	Hudson

LOCAL ID	NORTHING (Y)	EASTING (X)
B-103	700258	620999
B-105	700178	621350
B-107	700120	621608
B-112	699996	622151
B-114	699952	622347
B-118	700162	621172
B-124	699984	621944
B-127	699918	622186
B-129	699870	622379

PROPOSED WELL LOCATION (NAD 83 HORIZONTAL DATUM)
NJ STATE PLANE COORDINATE IN US SURVEY FEET

Draw sketch of well(s) nearest roads,buildings, etc. with marked distances in feet. Each well MUST be labeled with a name and/or number on the sketch.



METHOD
☒ SURVEY ☐ DIGITAL IMAGE ☐ GPS

FOR MONITORING WELLS, RECOVERY WELLS, OR PIEZOMETERS, THE FOLLOWING MUST BE COMPLETED BY THE APPLICANT. PLEASE INDICATE WHY THE WELLS ARE BEING INSTALLED:

- ☐ RCRA Site
- ☐ Underground Storage Tank Site
- ☐ Operational Ground Water Permit Site
- ☐ Pretreatment and Residuals Site
- ☐ Water and Hazardous Waste Enforcement Case
- ☐ Water Supply Aquifer Test Observation Well
- ☒ Other (explain) Ground Water Readings for future Construction
- ☐ Spill Site
- ☐ ISRA Site
- ☐ CERCLA (Superfund) Site

CASE I.D. Number: N/A

This Space for Approval Stamp

WELL PERMIT APPROVED
N.J. D.E.P.
MAY 15 2009
BUREAU OF WATER SYSTEMS & WELL PERMITTING

FOR D.E.P. USE
☐ Issuance of this permit is subject to the conditions attached. (see next page)
☐ For monitoring purposes only
☐ _____

SEE REVERSE SIDE FOR IMPORTANT PROVISIONS PERTAINING TO THIS PERMIT.
In compliance with N.J.S.A.58:4A-14, application is made for a permit to drill a well as described above.

Date: 5-7-09
Signature of Driller: Blanco
Registration No.: J1306
Signature of Property Owner: Todd Batchelor Agent for owner

COPIES: Water Systems & Well Permitting - White Health Dept. - Yellow Owner - Blue Driller - White

New Jersey Department of Environmental Protection
Bureau of Water Allocation

MONITORING WELL RECORD

Well Permit Number
P200905867

Atlas Sheet Coordinates
2614741

OWNER IDENTIFICATION HUDSON COUNTY

Address 583 NEWARK AVENUE

City Jersey City State New Jersey Zip Code 07306

WELL LOCATION - If not the same as owner please give address **Owner's Well No.** B-103

County Hudson Municipality Hoboken City Lot No. ROW Block No. ROW

Address 14TH STREET VIADUCT B-103

WELL USE Monitoring

DATE WELL STARTED 6-15-09
DATE WELL COMPLETED 6-16-09

WELL CONSTRUCTION

Total Depth Drilled 15 ft.

Finished Well Depth 15 ft.

Borehole Diameter:

Top 6 in.

Bottom 6 in.

Well was finished: ☐ above grade ☒ flush mounted

If finished above grade, casing height (stick up) above land surface — ft.

Steel protective casing installed? ☐ Yes ☒ No

Static Water Level after drilling 6 ft.

Water Level was Measured Using Tape

Well was developed for 1 hours at .25 gpm

Method of development Submersible pump

Pump Capacity 1 gpm

Pump Type Typhoon

Drilling Fluid N/A Type of Rig CME 75

Health and Safety Plan Submitted? ☐ Yes ☒ No

Level of Protection used on site (circle one) None (D) C B A

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	0	5	2	PVC	Sch 40
Middle Casing (for triple cased wells only)	—	—	—	—	—
Outer Casing (largest diameter)	—	—	—	—	—
Open Hole or Screen (No. Used .020)	5	15	2	PVC	Sch 40
Blank Casings (No. Used)	—	—	—	—	—
Tail Piece	—	—	—	—	—
Gravel Pack	3	15	6	Monie	#2
Grout	0	3	6	Neat Cement Bentonite	200 lbs 15 lbs

Grouting Method Tremie with pump

Drilling Method Mud Rotary

GEOLOGIC LOG

Note each depth where water was encountered in consolidated formations

0' to 10' Brn C/F Sd Lt Silt & gravel Brick & concrete (fill)
10' to 15' Brn Organic Clay Silt

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

Drilling Company JERSEY BORING

Well Driller (Print) Joseph Kurzyowski

Driller's Signature

Registration No. MD1350 Date 8/18/09

AS-BUILT WELL LOCATION (NAD 83 HORIZONTAL DATUM)

NJ STATE PLANE COORDINATE IN US SURVEY FEET

NORTHING: 700258 EASTING: 620999

OR

LATITUDE: __ ° __ ' __.__ " LONGITUDE: __ ° __ ' __.__ "

ORIGINAL: DEP ***COPIES: DRILLER*** ***OWNER*** ***HEALTH DEPARTMENT***

New Jersey Department of Environmental Protection
Bureau of Water Allocation

MONITORING WELL RECORD

Well Permit Number
P200905868

Atlas Sheet Coordinates
2614741

OWNER IDENTIFICATION HUDSON COUNTY

Address 583 NEWARK AVENUE

City Jersey City State New Jersey Zip Code 07306

WELL LOCATION - If not the same as owner please give address **Owner's Well No.** B-105

County Hudson Municipality Hoboken City Lot No. ROW Block No. ROW

Address 14TH STREET VIADUCT B-105

WELL USE Monitoring

DATE WELL STARTED 6-11-09
DATE WELL COMPLETED 6-11-09

WELL CONSTRUCTION

Total Depth Drilled 15 ft.

Finished Well Depth 15 ft.

Borehole Diameter:

Top 6 in.

Bottom 6 in.

Well was finished: ☐ above grade ☒ flush mounted

If finished above grade, casing height (stick up) above land surface — ft.

Steel protective casing installed? ☐ Yes ☒ No

Static Water Level after drilling 8 ft.

Water Level was Measured Using Tape

Well was developed for 1 hours at .25 gpm

Method of development Submersible pump

Pump Capacity 1 gpm

Pump Type Typhoon

Drilling Fluid N/A Type of Rig CME 75

Health and Safety Plan Submitted? ☐ Yes ☒ No

Level of Protection used on site (circle one) None (D) C B A

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	0	5	2	PVC	Sch 40
Middle Casing (for triple cased wells only)	—	—	—	—	—
Outer Casing (largest diameter)	—	—	—	—	—
Open Hole or Screen (No. Used .020)	5	15	2	PVC	Sch 40
Blank Casings (No. Used)	—	—	—	—	—
Tail Piece	—	—	—	—	—
Gravel Pack	3	15	6	marie	#2
Grout	0	3	6	Neat Cement Bentonite	200 lbs 15 lbs

Grouting Method Tremie with pump

Drilling Method Mud Rotary

GEOLOGIC LOG

Note each depth where water was encountered in consolidated formations

0' to 15' Brown Sand, gravel Concrete, Brick & Cinder (fill)

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

Drilling Company JERSEY BORING

Well Driller (Print) Frank Carozza

Driller's Signature Frank Carozza

Registration No. 238869 Date 8/18/09

AS-BUILT WELL LOCATION
(NAD 83 HORIZONTAL DATUM)

NJ STATE PLANE COORDINATE IN US SURVEY FEET

NORTHING: 700178 EASTING: 621350

OR

LATITUDE: __ ° __ ' __.__ " LONGITUDE: __ ° __ ' __.__ "

ORIGINAL: DEP ***COPIES: DRILLER*** ***OWNER*** ***HEALTH DEPARTMENT***

New Jersey Department of Environmental Protection
Bureau of Water Allocation

Well Permit Number P200905869

MONITORING WELL RECORD

Atlas Sheet Coordinates 2614741

OWNER IDENTIFICATION HUDSON COUNTY

Address 583 NEWARK AVENUE

City Jersey City State New Jersey Zip Code 07306

WELL LOCATION - If not the same as owner please give address **Owner's Well No.** B-107

County Hudson Municipality Hoboken City Lot No. ROW Block No. ROW

Address 14TH STREET VIADUCT B-107

WELL USE Monitoring

DATE WELL STARTED 7-1-09

DATE WELL COMPLETED 7-1-09

WELL CONSTRUCTION

Total Depth Drilled 15 ft.

Finished Well Depth 13 ft.

Borehole Diameter:

Top 6 in.

Bottom 6 in.

Well was finished: ☐ above grade ☒ flush mounted

If finished above grade, casing height (stick up) above land surface — ft.

Steel protective casing installed? ☐ Yes ☒ No

Static Water Level after drilling 46" ft.

Water Level was Measured Using Tape

Well was developed for 1 hours

at 125 gpm

Method of development Submersible pump

Pump Capacity gpm

Pump Type Typhoon

Drilling Fluid N/A Type of Rig CME 75

Health and Safety Plan Submitted? ☐ Yes ☒ No

Level of Protection used on site (circle one) None (D) C B A

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	0	3	2	PVC	Sch 40
Middle Casing (for triple cased wells only)	—	—	—	—	—
Outer Casing (largest diameter)	—	—	—	—	—
Open Hole or Screen (No. Used .020)	3	13	2	PVC	Sch 40
Blank Casings (No. Used)	—	—	—	—	—
Tail Piece	—	—	—	—	—
Gravel Pack	2	15	6	Monie	#2
Grout	0	2	6	Neat Cement Bentonite	190 lbs 12 lbs

Grouting Method Tremie with pump

Drilling Method Mud Rotary

GEOLOGIC LOG

Note each depth where water was encountered in consolidated formations

0' to 10' Brn Sd, gravel Cinder & Brick Fill

10' to 13' Brn organic clay Slt

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

Drilling Company JERSEY BORING

Well Driller (Print) Joseph Kurzynowski

Driller's Signature

Registration No. MD 13550 Date 8/18/09

AS-BUILT WELL LOCATION (NAD 83 HORIZONTAL DATUM)

NJ STATE PLANE COORDINATE IN US SURVEY FEET

NORTHING: 700120 EASTING: 621608

OR

LATITUDE: __ ° __ ' __.__ " LONGITUDE: __ ° __ ' __.__ "

ORIGINAL: DEP ***COPIES: DRILLER*** ***OWNER*** ***HEALTH DEPARTMENT***

New Jersey Department of Environmental Protection
Bureau of Water Allocation

Well Permit Number
P200905870

MONITORING WELL RECORD

Atlas Sheet Coordinates
2614741

OWNER IDENTIFICATION HUDSON COUNTY

Address 583 NEWARK AVENUE

City Jersey City State New Jersey Zip Code 07306

WELL LOCATION - If not the same as owner please give address **Owner's Well No.** B-112

County Hudson Municipality Hoboken City Lot No. ROW Block No. ROW

Address 14TH STREET VIADUCT B-112

WELL USE Monitoring

DATE WELL STARTED 6-25-09

DATE WELL COMPLETED 6-25-09

WELL CONSTRUCTION

Total Depth Drilled 14 ft.

Finished Well Depth 14 ft.

Borehole Diameter:

Top 6 in.

Bottom 6 in.

Well was finished: ☐ above grade ☒ flush mounted

If finished above grade, casing height (stick up) above land surface — ft.

Steel protective casing installed? ☐ Yes ☒ No

Static Water Level after drilling 14 ft.

Water Level was Measured Using Tape

Well was developed for 1 hours at .25 gpm

Method of development Submersible pump

Pump Capacity / gpm

Pump Type Typhoon

Drilling Fluid N/A Type of Rig CME 75

Health and Safety Plan Submitted? ☐ Yes ☒ No

Level of Protection used on site (circle one) None (D) C B A

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	0	4	2	PVC	Sch 40
Middle Casing (for triple cased wells only)	—	—	—	—	—
Outer Casing (largest diameter)	—	—	—	—	—
Open Hole or Screen (No. Used .020)	4	14	2	PVC	Sch 40
Blank Casings (No. Used)	—	—	—	—	—
Tail Piece	—	—	—	—	—
Gravel Pack	2	14	6	Marie	#2
Grout	0	2	6	Neat Cement Bentonite	190 lbs 12 lbs

Grouting Method Tremie with pump

Drilling Method mud Rotary

GEOLOGIC LOG

Note each depth where water was encountered in consolidated formations

0' to 10' Brn Sd gravel brick & concrete (fill)

10' to 14' Brn organic Clay Slt

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

Drilling Company JERSEY BORING

Well Driller (Print) Joseph Kuczynowski

Driller's Signature

Registration No. MD 1350 Date 8/18/09

AS-BUILT WELL LOCATION (NAD 83 HORIZONTAL DATUM)

NJ STATE PLANE COORDINATE IN US SURVEY FEET

NORTHING: 699996 EASTING: 622151

OR

LATITUDE: __ ° __ ' __.__ " LONGITUDE: __ ° __ ' __.__ "

ORIGINAL: DEP ***COPIES: DRILLER*** ***OWNER*** ***HEALTH DEPARTMENT***

New Jersey Department of Environmental Protection
Bureau of Water Allocation

Well Permit Number
P200905871

MONITORING WELL RECORD

Atlas Sheet Coordinates
2614741

OWNER IDENTIFICATION HUDSON COUNTY

Address 583 NEWARK AVENUE

City Jersey City State New Jersey Zip Code 07306

WELL LOCATION - If not the same as owner please give address **Owner's Well No.** B-114

County Hudson Municipality Hoboken City Lot No. ROW Block No. ROW

Address 14TH STREET VIADUCT B-114

WELL USE Monitoring

DATE WELL STARTED 6-24-09

DATE WELL COMPLETED 6-24-09

WELL CONSTRUCTION

Total Depth Drilled 14 ft.

Finished Well Depth 14 ft.

Borehole Diameter:

Top 6 in.

Bottom 6 in.

Well was finished: ☐ above grade ☒ flush mounted

If finished above grade, casing height (stick up) above land surface — ft.

Steel protective casing installed? ☐ Yes ☒ No

Static Water Level after drilling 7 ft.

Water Level was Measured Using Tape

Well was developed for 1 hours

at .25 gpm

Method of development Submersible pump

Pump Capacity 1 gpm

Pump Type Typhoon

Drilling Fluid N/A Type of Rig CME 75

Health and Safety Plan Submitted? ☐ Yes ☒ No

Level of Protection used on site (circle one) None (D) C B A

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	0	4	2	PVC	Sch 40
Middle Casing (for triple cased wells only)	—	—	—	—	—
Outer Casing (largest diameter)	—	—	—	—	—
Open Hole or Screen (No. Used .020)	4	14	2	PVC	Sch 40
Blank Casings (No. Used)	—	—	—	—	—
Tail Piece	—	—	—	—	—
Gravel Pack	2	14	6	Morie	#2
Grout	0	2	6	Neat Cement Bentonite	190 lbs 12 lbs

Grouting Method Tremie with pump

Drilling Method Mud Rotary

GEOLOGIC LOG

Note each depth where water was encountered in consolidated formations

0' to 12' Brn Sd, gravel, Slt Brick, Concrete & Cinder (fill)
12' to 14' Brn Organic Clayey Silt.

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

Drilling Company JERSEY BORING

Well Driller (Print) Joseph Ruszkowski

Driller's Signature

Registration No. MD 1350 Date 8/18/09

AS-BUILT WELL LOCATION (NAD 83 HORIZONTAL DATUM)

NJ STATE PLANE COORDINATE IN US SURVEY FEET

NORTHING: 699952 EASTING: 622347

OR

LATITUDE: __ ° __ ' __.__ " LONGITUDE: __ ° __ ' __.__ "

ORIGINAL: DEP ***COPIES: DRILLER*** ***OWNER*** ***HEALTH DEPARTMENT***

New Jersey Department of Environmental Protection
Bureau of Water Allocation

MONITORING WELL RECORD

Well Permit Number
P200905874

Atlas Sheet Coordinates
2614741

OWNER IDENTIFICATION HUDSON COUNTY

Address 583 NEWARK AVENUE

City Jersey City State New Jersey Zip Code 07306

WELL LOCATION - If not the same as owner please give address **Owner's Well No.** B-127

County Hudson Municipality Hoboken City Lot No. ROW Block No. ROW

Address 14TH STREET VIADUCT B-127

WELL USE Monitoring

DATE WELL STARTED 6-22-09

DATE WELL COMPLETED 6-23-09

WELL CONSTRUCTION

Total Depth Drilled 13 ft.

Finished Well Depth 13 ft.

Borehole Diameter:

Top 6 in.

Bottom 6 in.

Well was finished: ☐ above grade ☒ flush mounted

If finished above grade, casing height (stick up) above land surface — ft.

Steel protective casing installed? ☐ Yes ☒ No

Static Water Level after drilling 4 ft.

Water Level was Measured Using Tape

Well was developed for 1 hours

at .125 gpm

Method of development Submersible pump

Pump Capacity 1 gpm

Pump Type Typhoon

Drilling Fluid N/A Type of Rig CME 75

Health and Safety Plan Submitted? ☐ Yes ☒ No

Level of Protection used on site (circle one) None (D) C B A

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	0	3	2	PVC	Sch40
Middle Casing (for triple cased wells only)	—	—	—	—	—
Outer Casing (largest diameter)	—	—	—	—	—
Open Hole or Screen (No. Used .020)	3	13	2	PVC	Sch40
Blank Casings (No. Used)	—	—	—	—	—
Tail Piece	—	—	—	—	—
Gravel Pack	2	13	6	morie	#2
Grout	0	2	6	Neat Cement Bentonite	190 lbs 12 lbs

Grouting Method Tremie with pump

Drilling Method mud Rotary

GEOLOGIC LOG

Note each depth where water was encountered in consolidated formations

0' to 12' Brn Sd, Slt & gravel

12' to 13' Brn organic Peat

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

Drilling Company JERSEY BORING

Well Driller (Print) Joseph Kurzynowski

Driller's Signature

Registration No. PMD 1350 Date 8/18/09

AS-BUILT WELL LOCATION (NAD 83 HORIZONTAL DATUM)

NJ STATE PLANE COORDINATE IN US SURVEY FEET

NORTHING: 699918 EASTING: 622186

OR

LATITUDE: __ ° __ ' __.__ " LONGITUDE: __ ° __ ' __.__ "

ORIGINAL: DEP ***COPIES: DRILLER*** ***OWNER*** ***HEALTH DEPARTMENT***

New Jersey Department of Environmental Protection
Bureau of Water Allocation

Well Permit Number
P200905875

MONITORING WELL RECORD

Atlas Sheet Coordinates
2614741

OWNER IDENTIFICATION HUDSON COUNTY

Address 583 NEWARK AVENUE

City Jersey City State New Jersey Zip Code 07306

WELL LOCATION - If not the same as owner please give address **Owner's Well No.** B-129

County Hudson Municipality Hoboken City Lot No. ROW Block No. ROW

Address 14TH STREET VIADUCT B-129

WELL USE Monitoring

DATE WELL STARTED 6-23-09
DATE WELL COMPLETED 6-23-09

WELL CONSTRUCTION

Total Depth Drilled 12 ft.

Finished Well Depth 12 ft.

Borehole Diameter:

Top 6 in.

Bottom 6 in.

Well was finished: ☐ above grade ☒ flush mounted

If finished above grade, casing height (stick up) above land surface — ft.

Steel protective casing installed? ☐ Yes ☒ No

Static Water Level after drilling 5 ft.

Water Level was Measured Using Tape

Well was developed for 1 hours

at .25 gpm

Method of development Submersible pump

Pump Capacity 1 gpm

Pump Type Typhoon

Drilling Fluid N/A Type of Rig CME 75

Health and Safety Plan Submitted? ☐ Yes ☒ No

Level of Protection used on site (circle one) None (D) C B A

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	0	2	2	PVC	Sch40
Middle Casing (for triple cased wells only)	—	—	—	—	—
Outer Casing (largest diameter)	—	—	—	—	—
Open Hole or Screen (No. Used .020)	2	12	2	PVC	Sch40
Blank Casings (No. Used)	—	—	—	—	—
Tail Piece	—	—	—	—	—
Gravel Pack	1	12	6	Morie	#2
Grout	0	1	6	Neat Cement Bentonite	175 lbs 10 lbs

Grouting Method Tremie with pump

Drilling Method mud Rotary

GEOLOGIC LOG

Note each depth where water was encountered in consolidated formations

0 to 12' Brn Sd, slt & gravel

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

Drilling Company JERSEY BORING

Well Driller (Print) Joseph Kurzynowski

Driller's Signature

Registration No. MD 1350 Date 8/18/09

AS-BUILT WELL LOCATION (NAD 83 HORIZONTAL DATUM)

NJ STATE PLANE COORDINATE IN US SURVEY FEET

NORTHING: 699870 **EASTING:** 622379

OR

LATITUDE: __ ° __ ' __.__ " **LONGITUDE:** __ ° __ ' __.__ "

ORIGINAL: DEP ***COPIES: DRILLER*** ***OWNER*** ***HEALTH DEPARTMENT***

New Jersey Department of Environmental Protection
Bureau of Water Allocation

Well Permit Number P200905872

MONITORING WELL RECORD

Atlas Sheet Coordinates 2614741

OWNER IDENTIFICATION HUDSON COUNTY

Address 583 NEWARK AVENUE

City Jersey City State New Jersey Zip Code 07306

WELL LOCATION - If not the same as owner please give address **Owner's Well No.** B-118

County Hudson Municipality Hoboken City Lot No. ROW Block No. ROW

Address 14TH STREET VIADUCT B-118

WELL USE Monitoring

DATE WELL STARTED 6-21-09

DATE WELL COMPLETED 6-21-09

WELL CONSTRUCTION

Total Depth Drilled 14 ft.

Finished Well Depth 14 ft.

Borehole Diameter:

Top 6 in.

Bottom 6 in.

Well was finished: ☐ above grade ☒ flush mounted

If finished above grade, casing height (stick up) above land surface — ft.

Steel protective casing installed? ☐ Yes ☒ No

Static Water Level after drilling 8 ft.

Water Level was Measured Using Tape

Well was developed for 1 hours at .25 gpm

Method of development Submersible pump

Pump Capacity 1 gpm

Pump Type Typhoon

Drilling Fluid N/A Type of Rig CME 75

Health and Safety Plan Submitted? ☐ Yes ☒ No

Level of Protection used on site (circle one) None (D) C B A

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	0	4	2	PVC	Sch40
Middle Casing (for triple cased wells only)	—	—	—	—	—
Outer Casing (largest diameter)	—	—	—	—	—
Open Hole or Screen (No. Used .020)	4	14	2	PVC	Sch40
Blank Casings (No. Used)	—	—	—	—	—
Tail Piece	—	—	—	—	—
Gravel Pack	2	14	6	Morie	#2
Grout	0	2	6	Neat Cement Bentonite	198 lbs 12 lbs

Grouting Method Tremie with pump

Drilling Method mud Rotary

GEOLOGIC LOG

Note each depth where water was encountered in consolidated formations

0' to 14' Brn Sd, gravel, Slt
Brick Concrete & glass (Fill)

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

Drilling Company JERSEY BORING

Well Driller (Print) Joseph Kunzupowski

Driller's Signature

Registration No. MD 1350 Date 8/18/09

AS-BUILT WELL LOCATION (NAD 83 HORIZONTAL DATUM)

NJ STATE PLANE COORDINATE IN US SURVEY FEET

NORTHING: 700162 EASTING: 621172

OR

LATITUDE: __ ° __ ' __.__ " LONGITUDE: __ ° __ ' __.__ "

ORIGINAL: DEP ***COPIES: DRILLER*** ***OWNER*** ***HEALTH DEPARTMENT***

New Jersey Department of Environmental Protection
Bureau of Water Allocation

Well Permit Number P200905873

MONITORING WELL RECORD

Atlas Sheet Coordinates 2614741

OWNER IDENTIFICATION HUDSON COUNTY

Address 583 NEWARK AVENUE

City Jersey City State New Jersey Zip Code 07306

WELL LOCATION - If not the same as owner please give address **Owner's Well No.** B-124

County Hudson Municipality Hoboken City Lot No. ROW Block No. ROW

Address 14TH STREET VIADUCT B-124

WELL USE Monitoring

DATE WELL STARTED 7-7-09

DATE WELL COMPLETED 7-9-09

WELL CONSTRUCTION

Total Depth Drilled 13'6" ft.

Finished Well Depth 13 ft.

Borehole Diameter:

Top 6 in.

Bottom 6 in.

Well was finished: ☐ above grade ☒ flush mounted

If finished above grade, casing height (stick up) above land surface — ft.

Steel protective casing installed? ☐ Yes ☒ No

Static Water Level after drilling 4 ft.

Water Level was Measured Using Tape

Well was developed for 1 hours at .25 gpm

Method of development Submersible pump

Pump Capacity 1 gpm

Pump Type Typhoon

Drilling Fluid N/A Type of Rig CME 75

Health and Safety Plan Submitted? ☐ Yes ☒ No

Level of Protection used on site (circle one) None (D) C B A

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	0	3	2	PVC	Sch40
Middle Casing (for triple cased wells only)	—	—	—	—	—
Outer Casing (largest diameter)	—	—	—	—	—
Open Hole or Screen (No. Used .020)	3	13	2	PVC	Sch40
Blank Casings (No. Used)	—	—	—	—	—
Tail Piece	—	—	—	—	—
Gravel Pack	2	13'6"	6	morie	#2
Grout	0	2	6	Neat Cement Bentonite	190 lbs 72 lbs

Grouting Method Tremie with pump

Drilling Method mud Rotary

GEOLOGIC LOG

Note each depth where water was encountered in consolidated formations

0' to 12' Blk Sd, gravel Cinders Concrete & brick (fill)

12' to 13'6" Organic peat

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

Drilling Company JERSEY BORING

Well Driller (Print) Joseph Kurzynowski

Driller's Signature

Registration No. MD1350 Date 8/18/09

AS-BUILT WELL LOCATION (NAD 83 HORIZONTAL DATUM)

NJ STATE PLANE COORDINATE IN US SURVEY FEET

NORTHING: 699984 EASTING: 621944

OR

LATITUDE: __ ° __ ' __.__ " LONGITUDE: __ ° __ ' __.__ "

ORIGINAL: DEP ***COPIES: DRILLER*** ***OWNER*** ***HEALTH DEPARTMENT***

HALEY & ALDRICH

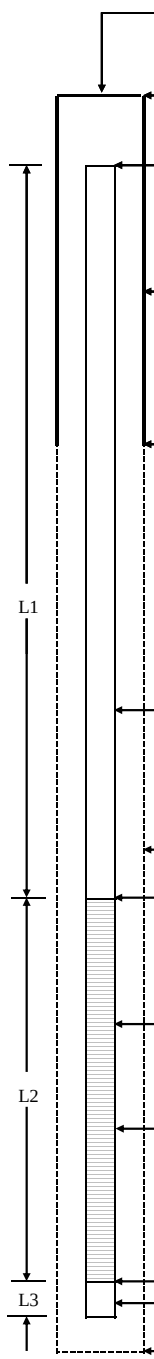
OBSERVATION WELL INSTALLATION REPORT

Well No. MW-103
Boring No. B-103

PROJECT	Replacement of 14th Street Viaduct	**H&A FILE NO.**	36059-002
LOCATION	Hoboken & Union City, Hudson County, New Jersey	**PROJECT MGR.**	E. Zamiskie
CLIENT	TranSystems Corp	**FIELD REP.**	B. Issac
CONTRACTOR	Jersey Boring & Drilling	**DATE INSTALLED**	6/16/2009
DRILLER	J. Kurzynowski	**WATER LEVEL**	4.5 ft bgs

Ground El. 4.62 ft
El. Datum NGVD 1929
Location 621013.4 E, 700256.8 N
☑ **Guard Pipe**
☐ **Roadway Box**

SOIL/ROCK CONDITIONS	BOREHOLE BACKFILL
	Stick-up (2.8 – 0.0)
Fill (0.0 – 12.0)	Concrete Seal (0.0 – 1.0)
	Bentonite Seal (1.0 – 3.0)
	Filter Sand (3.0 – 16.0)
Silty Clay/Peat (12.0 – 16.0)	



(Numbers refer to depth from ground surface in feet)

(Not to Scale)

Type of protective cover/lock Lockable guard pipe

Height/Depth of top of guard pipe/roadway box above/below ground surface 2.8 ft

Height/Depth of top of riser pipe above/below ground surface 0.3 ft

Type of protective casing: 4-inch diameter Steel pipe casing
Length 5.0 ft
Inside Diameter 4.000 in

Depth of bottom of guard pipe/roadway box 2.3 ft

Type of Seals	Top of Seal (ft)	Thickness (ft)
Concrete	0.0	1.0
Bentonite Seal	1.0	2.0
Filter Sand	3.0	13.0

Type of riser pipe: Schedule 40 PVC
Inside diameter of riser pipe 2.0 in
Type of backfill around riser Sand/Bentonite/Concrete

Diameter of borehole 4.5 in

Depth to top of well screen 5.5 ft

Type of screen Slotted PVC
Screen gauge or size of openings 0.020 in
Diameter of screen 2.0 in
Type of backfill around screen Filter Sand #2

Depth of bottom of well screen 15.5 ft

Bottom of Silt trap 15.5 ft

Depth of bottom of borehole 16.0 ft

Riser Pay Length (L1)	+	Length of screen (L2)	+	Length of silt trap (L3)	=	Pay length
5.5 ft	+	10 ft	+	0 ft	=	15.5 ft

COMMENTS: Corresponding Test Boring located in the vicinity was advanced below the Monitoring Well depth

Form 2007

HALEY & ALDRICH

OBSERVATION WELL INSTALLATION REPORT

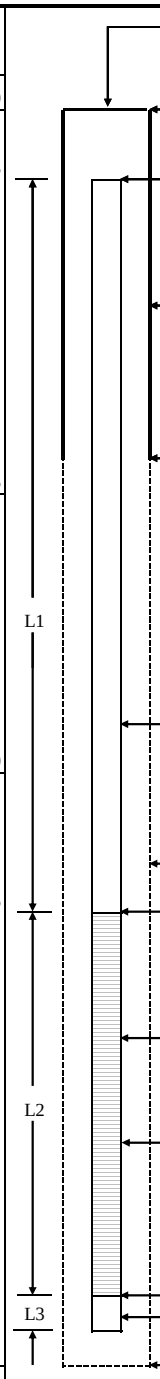
Well No. MW-105
Boring No. B-105

PROJECT	Replacement of 14th Street Viaduct	**H&A FILE NO.**	36059-002
LOCATION	Hoboken & Union City, Hudson County, New Jersey	**PROJECT MGR.**	E. Zamiskie
CLIENT	TranSystems Corp	**FIELD REP.**	B. Issac
CONTRACTOR	Jersey Boring & Drilling	**DATE INSTALLED**	6/15/2009
DRILLER	K. Elliott	**WATER LEVEL**	4.0 ft bgs

Ground El. 3.8 ft
El. Datum NGVD 1929
Location 700180.8 N, 621337.1 E
☐ **Guard Pipe**
☑ **Roadway Box**

SOIL/ROCK CONDITIONS	BOREHOLE BACKFILL
0.0	0.0
	Concrete Seal
	1.5
	Bentonite Seal
Fill	3.0
	Filter Sand
15.0	
Peat	
	16.0

(Numbers refer to depth from ground surface in feet)



(Not to Scale)

Type of protective cover/lock Compression Sealed RW Box

Height/Depth of top of guard pipe/roadway box above/below ground surface 0.0 ft

Height/Depth of top of riser pipe above/below ground surface 0.3 ft

Type of protective casing: Roadway box sleeve
Length 0.5 ft
Inside Diameter 4.000 in

Depth of bottom of guard pipe/roadway box 0.5 ft

Type of Seals	Top of Seal (ft)	Thickness (ft)
Concrete	0.0	1.5
Bentonite Seal	1.5	1.5
Filter Sand	3.0	13.0

Type of riser pipe: Schedule 40 PVC
Inside diameter of riser pipe 2.0 in
Type of backfill around riser Sand/Bentonite/Concrete

Diameter of borehole 4.5 in

Depth to top of well screen 5.5 ft

Type of screen Slotted PVC
Screen gauge or size of openings 0.020 in
Diameter of screen 2.0 in
Type of backfill around screen Filter Sand #2

Depth of bottom of well screen 15.5 ft

Bottom of Silt trap 15.5 ft

Depth of bottom of borehole 16.0 ft

5.5 ft	+	10 ft	+	0 ft	=	15.5 ft
Riser Pay Length (L1)		Length of screen (L2)		Length of silt trap (L3)		Pay length

COMMENTS: Corresponding Test Boring located in the vicinity was advanced below the Monitoring Well depth

Form 2007

HALEY & ALDRICH

OBSERVATION WELL INSTALLATION REPORT

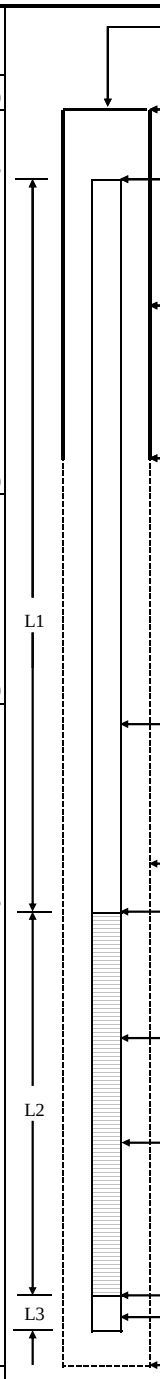
Well No. MW-107
Boring No. B-107

PROJECT	Replacement of 14th Street Viaduct	**H&A FILE NO.**	36059-002
LOCATION	Hoboken & Union City, Hudson County, New Jersey	**PROJECT MGR.**	E. Zamiskie
CLIENT	TranSystems Corp	**FIELD REP.**	B. Issac
CONTRACTOR	Jersey Boring & Drilling	**DATE INSTALLED**	7/6/2009
DRILLER	J. Zambardi	**WATER LEVEL**	5.5 ft bgs.

Ground El. 5.2 ft
El. Datum NGVD 1929
Location 700103.8 N, 621587.6 E
☐ **Guard Pipe**
☑ **Roadway Box**

SOIL/ROCK CONDITIONS	BOREHOLE BACKFILL	
0.0	0.0	
Fill	Concrete Seal	0.3 – 1.0
	Bentonite Seal	1.0 – 2.0
	Filter Sand	2.0 – 14.0
		14.0

(Numbers refer to depth from ground surface in feet)



(Not to Scale)

Type of protective cover/lock Compression Sealed RW Box

Height/Depth of top of guard pipe/roadway box above/below ground surface 0.0 ft

Height/Depth of top of riser pipe above/below ground surface 0.3 ft

Type of protective casing: Roadway box sleeve
Length 0.5 ft
Inside Diameter 4.000 in

Depth of bottom of guard pipe/roadway box 0.5 ft

Type of Seals	Top of Seal (ft)	Thickness (ft)
Concrete	0.0	1.0
Bentonite Seal	1.0	1.0
Filter Sand	2.0	12.0

Type of riser pipe: Schedule 40 PVC
Inside diameter of riser pipe 2.0 in
Type of backfill around riser Sand/Bentonite/Concrete

Diameter of borehole 4.5 in

Depth to top of well screen 3.5 ft

Type of screen Slotted PVC
Screen gauge or size of openings 0.020 in
Diameter of screen 2.0 in
Type of backfill around screen Filter Sand #2

Depth of bottom of well screen 13.5 ft

Bottom of Silt trap 13.5 ft

Depth of bottom of borehole 14.0 ft

3.5 ft	+	10 ft	+	0 ft	=	13.5 ft
Riser Pay Length (L1)		Length of screen (L2)		Length of silt trap (L3)		Pay length

COMMENTS: Corresponding Test Boring located in the vicinity was advanced below the Monitoring Well depth

Form 2007

HALEY & ALDRICH

OBSERVATION WELL INSTALLATION REPORT

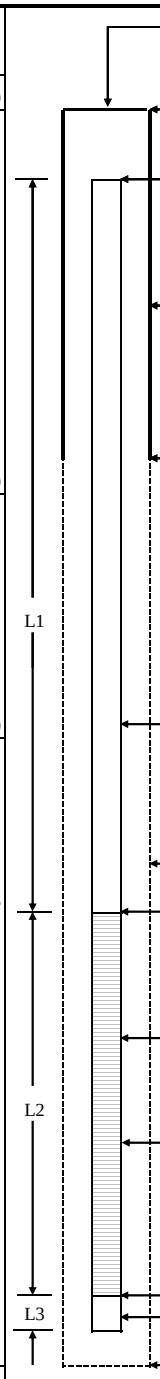
Well No. MW-112
Boring No. B-112

PROJECT	Replacement of 14th Street Viaduct	**H&A FILE NO.**	36059-002
LOCATION	Hoboken & Union City, Hudson County, New Jersey	**PROJECT MGR.**	E. Zamiskie
CLIENT	TranSystems Corp	**FIELD REP.**	B. Issac
CONTRACTOR	Jersey Boring & Drilling	**DATE INSTALLED**	6/29/2009
DRILLER	K. Elliott	**WATER LEVEL**	5.25 ft bgs

Ground El. 4.8 ft
El. Datum NGVD 1929
Location 7000002.0 N, 622131.4 E
☐ **Guard Pipe**
☑ **Roadway Box**

SOIL/ROCK CONDITIONS	BOREHOLE BACKFILL	
0.0	0.0	
	Concrete Seal	0.2
		1.0
	Bentonite Seal	2.0
Fill		
	Filter Sand	3.5
		14.0

(Numbers refer to depth from ground surface in feet)



(Not to Scale)

Type of protective cover/lock	Compression Sealed RW Box	
Height/Depth of top of guard pipe/roadway box above/below ground surface	0.0	ft
Height/Depth of top of riser pipe above/below ground surface	0.2	ft
Type of protective casing:	Roadway box sleeve	
Length	0.5	ft
Inside Diameter	4.000	in
Depth of bottom of guard pipe/roadway box	0.5	ft

Type of Seals	Top of Seal (ft)	Thickness (ft)
Concrete	0.0	1.0
Bentonite Seal	1.0	1.0
Filter Sand	2.0	12.0

Type of riser pipe:	Schedule 40 PVC	
Inside diameter of riser pipe	2.0	in
Type of backfill around riser	Sand/Bentonite/Concrete	
Diameter of borehole	4.5	in
Depth to top of well screen	3.5	ft
Type of screen	Slotted PVC	
Screen gauge or size of openings	0.020	in
Diameter of screen	2.0	in
Type of backfill around screen	Filter Sand #2	
Depth of bottom of well screen	13.5	ft
Bottom of Silt trap	13.5	ft
Depth of bottom of borehole	14.0	ft

Riser Pay Length (L1)	+	Length of screen (L2)	+	Length of silt trap (L3)	=	Pay length
3.5 ft	+	10 ft	+	0 ft	=	13.5 ft

COMMENTS: Corresponding Test Boring located in the vicinity was advanced below the Monitoring Well depth

Form 2007

HALEY & ALDRICH

OBSERVATION WELL INSTALLATION REPORT

Well No. MW-114
Boring No. B-114

PROJECT	Replacement of 14th Street Viaduct	**H&A FILE NO.**	36059-002
LOCATION	Hoboken & Union City, Hudson County, New Jersey	**PROJECT MGR.**	E. Zamiskie
CLIENT	TranSystems Corp	**FIELD REP.**	B. Issac
CONTRACTOR	Jersey Boring & Drilling	**DATE INSTALLED**	6/25/2009
DRILLER	J. Kurzynowski	**WATER LEVEL**	6.8 ft bgs

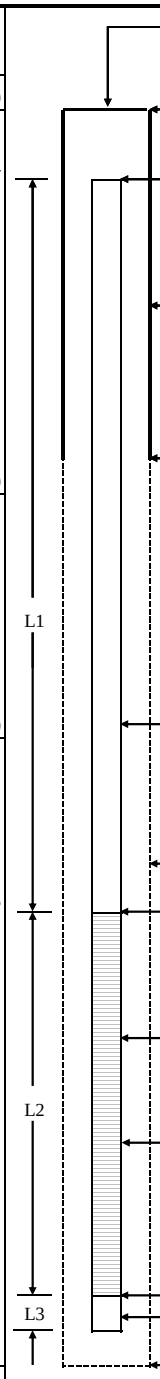
Ground El. 7 ft
El. Datum NGVD 1929

Location 699957.3 N, 622343.2 E

☐ **Guard Pipe**
☑ **Roadway Box**

SOIL/ROCK CONDITIONS	BOREHOLE BACKFILL	
0.0	0.0	
	Concrete Seal	0.4 – 1.0
	Bentonite Seal.	1.0 – 2.0
Fill		
	Filter Sand.	2.0 – 14.0
		14.0

(Numbers refer to depth from ground surface in feet)



(Not to Scale)

Type of protective cover/lock Compression Sealed RW Box

Height/Depth of top of guard pipe/roadway box above/below ground surface 0.0 ft

Height/Depth of top of riser pipe above/below ground surface 0.4 ft

Type of protective casing: Roadway box sleeve
- **Length** 0.5 ft
- **Inside Diameter** 4.000 in

Depth of bottom of guard pipe/roadway box 0.5 ft

Type of Seals	Top of Seal (ft)	Thickness (ft)
Concrete	0.0	1.0
Bentonite Seal	1.0	1.0
Filter Sand	2.0	12.0

Type of riser pipe: Schedule 40 PVC
- **Inside diameter of riser pipe** 2.0 in
- **Type of backfill around riser** Sand/Bentonite/Concrete

Diameter of borehole 4.5 in

Depth to top of well screen 3.5 ft

Type of screen Slotted PVC
- **Screen gauge or size of openings** 0.020 in
- **Diameter of screen** 2.0 in

Type of backfill around screen Filter Sand #2

Depth of bottom of well screen 13.5 ft

Bottom of Silt trap 13.5 ft

Depth of bottom of borehole 14.0 ft

3.5 ft	+	10 ft	+	0 ft	=	13.5 ft
Riser Pay Length (L1)		Length of screen (L2)		Length of silt trap (L3)		Pay length

COMMENTS: Corresponding Test Boring located in the vicinity was advanced below the Monitoring Well depth

Form 2007

HALEY & ALDRICH

OBSERVATION WELL INSTALLATION REPORT

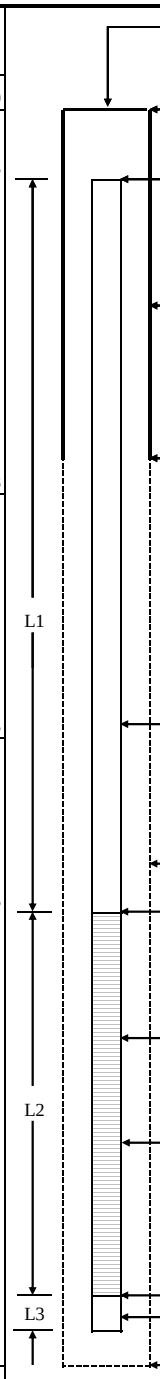
Well No. MW-118
Boring No. B-118

PROJECT	Replacement of 14th Street Viaduct	**H&A FILE NO.**	36059-002
LOCATION	Hoboken & Union City, Hudson County, New Jersey	**PROJECT MGR.**	E. Zamiskie
CLIENT	TranSystems Corp	**FIELD REP.**	B. Issac
CONTRACTOR	Jersey Boring & Drilling	**DATE INSTALLED**	6/24/2009
DRILLER	K. Elliott	**WATER LEVEL**	4.5 ft bgs

Ground El. 4.3 ft
El. Datum NGVD 1929
Location 700149.3 N, 621174.5 E
☐ **Guard Pipe**
☑ **Roadway Box**

SOIL/ROCK CONDITIONS	BOREHOLE BACKFILL	
0.0	0.0	
Fill	Concrete Seal	0.3 – 0.8
	Bentonite Seal	0.8 – 1.3
	Filter Sand	1.3 – 13.0
	13.0	

(Numbers refer to depth from ground surface in feet)



(Not to Scale)

Type of protective cover/lock Compression Sealed RW Box

Height/Depth of top of guard pipe/roadway box above/below ground surface 0.0 ft

Height/Depth of top of riser pipe above/below ground surface 0.3 ft

Type of protective casing: Roadway box sleeve
- **Length** 0.5 ft
- **Inside Diameter** 4.000 in

Depth of bottom of guard pipe/roadway box 0.5 ft

Type of Seals	Top of Seal (ft)	Thickness (ft)
Concrete	0.0	0.8
Bentonite Seal	0.8	0.5
Filter Sand	1.3	11.8

Type of riser pipe: Schedule 40 PVC
- **Inside diameter of riser pipe** 2.0 in
- **Type of backfill around riser** Sand/Bentonite/Concrete

Diameter of borehole 4.5 in

Depth to top of well screen 2.5 ft

Type of screen Slotted PVC
- **Screen gauge or size of openings** 0.020 in
- **Diameter of screen** 2.0 in

Type of backfill around screen Filter Sand #2

Depth of bottom of well screen 12.5 ft

Bottom of Silt trap 12.5 ft

Depth of bottom of borehole 13.0 ft

Riser Pay Length (L1)	+	Length of screen (L2)	+	Length of silt trap (L3)	=	Pay length
2.5 ft	+	10 ft	+	0 ft	=	12.5 ft

COMMENTS: Corresponding Test Boring located in the vicinity was advanced below the Monitoring Well depth

Form 2007

HALEY & ALDRICH

OBSERVATION WELL INSTALLATION REPORT

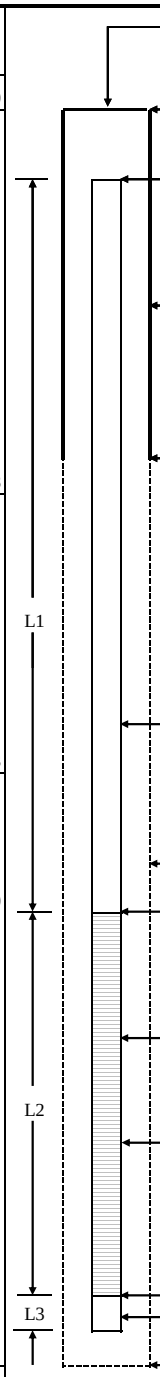
Well No. MW-124
Boring No. B-124

PROJECT	Replacement of 14th Street Viaduct	**H&A FILE NO.**	36059-002
LOCATION	Hoboken & Union City, Hudson County, New Jersey	**PROJECT MGR.**	E. Zamiskie
CLIENT	TranSystems Corp	**FIELD REP.**	B. Issac
CONTRACTOR	Jersey Boring & Drilling	**DATE INSTALLED**	7/7/2009
DRILLER	J. Zambardi	**WATER LEVEL**	4.5 ft bgs

Ground El. 5.8 ft
El. Datum NGVD 1929
Location 699991.5 N, 621946.9 E
☐ **Guard Pipe**
☑ **Roadway Box**

SOIL/ROCK CONDITIONS	BOREHOLE BACKFILL
0.0	0.0
	Concrete Seal (0.1 – 0.8)
	Bentonite Seal (0.8 – 1.3)
Fill	1.3
	Filter Sand (1.3 – 13.5)
	13.5

(Numbers refer to depth from ground surface in feet)



(Not to Scale)

Type of protective cover/lock Compression Sealed RW Box

Height/Depth of top of guard pipe/roadway box above/below ground surface 0.0 ft

Height/Depth of top of riser pipe above/below ground surface 0.1 ft

Type of protective casing: Roadway box sleeve
- **Length** 0.5 ft
- **Inside Diameter** 4.000 in

Depth of bottom of guard pipe/roadway box 0.5 ft

Type of Seals	Top of Seal (ft)	Thickness (ft)
Concrete	0.0	0.8
Bentonite Seal	1.0	1.3
Filter Sand	2.0	11.5

Type of riser pipe: Schedule 40 PVC
- **Inside diameter of riser pipe** 2.0 in
- **Type of backfill around riser** Sand/Bentonite/Concrete

Diameter of borehole 4.5 in

Depth to top of well screen 3.0 ft

Type of screen Slotted PVC
- **Screen gauge or size of openings** 0.020 in
- **Diameter of screen** 2.0 in

Type of backfill around screen Filter Sand #2

Depth of bottom of well screen 13.0 ft

Bottom of Silt trap 13.0 ft

Depth of bottom of borehole 13.5 ft

3 ft	+	10 ft	+	0 ft	=	13 ft
Riser Pay Length (L1)		Length of screen (L2)		Length of silt trap (L3)		Pay length

COMMENTS: Corresponding Test Boring located in the vicinity was advanced below the Monitoring Well depth

Form 2007

HALEY & ALDRICH

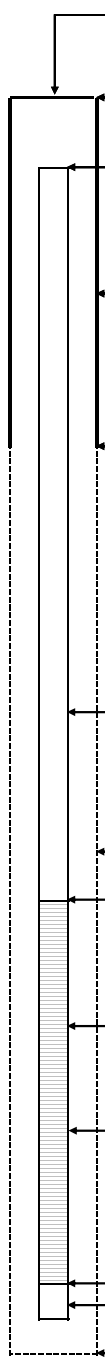
OBSERVATION WELL INSTALLATION REPORT

Well No. MW-127
Boring No. B-127

PROJECT	Replacement of 14th Street Viaduct	**H&A FILE NO.**	36059-002
LOCATION	Hoboken & Union City, Hudson County, New Jersey	**PROJECT MGR.**	E. Zamiskie
CLIENT	TranSystems Corp	**FIELD REP.**	B. Issac
CONTRACTOR	Jersey Boring & Drilling	**DATE INSTALLED**	6/23/2009
DRILLER	J. Zambardi	**WATER LEVEL**	4.25 ft bgs

Ground El. 5.2 ft
El. Datum NGVD 1929
Location 699921.2 N, 622190.1 E
☐ **Guard Pipe**
☑ **Roadway Box**

SOIL/ROCK CONDITIONS	BOREHOLE BACKFILL	
0.0	0.0	
Fill	Concrete Seal	0.3 – 1.0
	Bentonite Seal	1.0 – 2.0
	Filter Sand	2.0 – 14.0
	14.0	



Type of protective cover/lock Compression Sealed RW Box

Height/Depth of top of guard pipe/roadway box above/below ground surface 0.0 ft

Height/Depth of top of riser pipe above/below ground surface 0.3 ft

Type of protective casing: Roadway box sleeve
- **Length** 0.5 ft
- **Inside Diameter** 4.000 in

Depth of bottom of guard pipe/roadway box 0.5 ft

Type of Seals	Top of Seal (ft)	Thickness (ft)
Concrete	0.0	1.0
Bentonite Seal	1.0	1.0
Filter Sand	2.0	12.0

Type of riser pipe: Schedule 40 PVC
- **Inside diameter of riser pipe** 2.0 in
- **Type of backfill around riser** Sand/Bentonite/Concrete

Diameter of borehole 4.5 in

Depth to top of well screen 3.5 ft

Type of screen Slotted PVC
- **Screen gauge or size of openings** 0.020 in
- **Diameter of screen** 2.0 in

Type of backfill around screen Filter Sand #2

Depth of bottom of well screen 13.5 ft

Bottom of Silt trap 13.5 ft

Depth of bottom of borehole 14.0 ft

(Numbers refer to depth from ground surface in feet)

(Not to Scale)

3.5 ft	+	10 ft	+	0 ft	=	13.5 ft
Riser Pay Length (L1)		Length of screen (L2)		Length of silt trap (L3)		Pay length

COMMENTS: Corresponding Test Boring located in the vicinity was advanced below the Monitoring Well depth

Form 2007

HALEY & ALDRICH

OBSERVATION WELL INSTALLATION REPORT

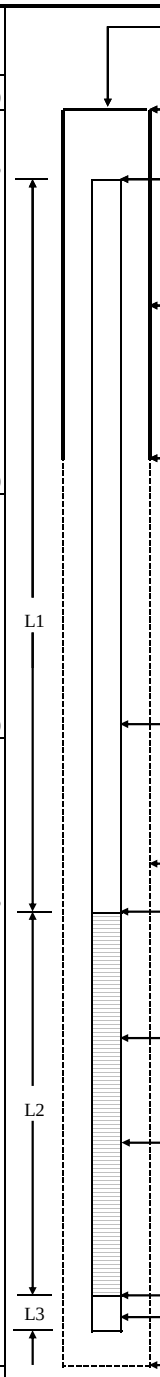
Well No. MW-129
Boring No. B-129

PROJECT	Replacement of 14th Street Viaduct	**H&A FILE NO.**	36059-002
LOCATION	Hoboken & Union City, Hudson County, New Jersey	**PROJECT MGR.**	E. Zamiskie
CLIENT	TranSystems Corp	**FIELD REP.**	B. Issac
CONTRACTOR	Jersey Boring & Drilling	**DATE INSTALLED**	6/23/2009
DRILLER	J. Kurzynowski	**WATER LEVEL**	5.5 ft bgs

Ground El. 7.5 ft
El. Datum NGVD 1929
Location 699876.5 N, 622371.6 E
☐ **Guard Pipe**
☑ **Roadway Box**

SOIL/ROCK CONDITIONS	BOREHOLE BACKFILL
0.0	0.0
	Concrete Seal
	0.5
	Bentonite Seal
Fill	
	1.0
	Bentonite Seal
	2.0
	Filter Sand
	3.5
	Filter Sand
	14.0

(Numbers refer to depth from ground surface in feet)



(Not to Scale)

Type of protective cover/lock Compression Sealed RW Box

Height/Depth of top of guard pipe/roadway box above/below ground surface 0.0 ft

Height/Depth of top of riser pipe above/below ground surface 0.5 ft

Type of protective casing: Roadway box sleeve
- **Length** 0.5 ft
- **Inside Diameter** 4.000 in

Depth of bottom of guard pipe/roadway box 0.5 ft

Type of Seals	Top of Seal (ft)	Thickness (ft)
Concrete	0.0	1.0
Bentonite Seal	1.0	1.0
Filter Sand	2.0	12.0

Type of riser pipe: Schedule 40 PVC
- **Inside diameter of riser pipe** 2.0 in
- **Type of backfill around riser** Sand/Bentonite/Concrete

Diameter of borehole 4.5 in

Depth to top of well screen 3.5 ft

Type of screen Slotted PVC
- **Screen gauge or size of openings** 0.020 in
- **Diameter of screen** 2.0 in

Type of backfill around screen Filter Sand #2

Depth of bottom of well screen 13.5 ft

Bottom of Silt trap 13.5 ft

Depth of bottom of borehole 14.0 ft

3.5 ft	+	10 ft	+	0 ft	=	13.5 ft
Riser Pay Length (L1)		Length of screen (L2)		Length of silt trap (L3)		Pay length

COMMENTS: Corresponding Test Boring located in the vicinity was advanced below the Monitoring Well depth

Form 2007

MONITORING WELL CERTIFICATION - FORM A - AS-BUILT CERTIFICATION

Name of Owner: Hudson County
Name of Facility: 14th Street Viaduct
Location: 14th Street Hoboken, N.J. Hudson CTy.
UST Registration No.: _____ BUST case No.: ____-____-____-_____

CERTIFICATION

Well Permit Number: P200905867 Owner's Well Number B-103
Well Completion Date: 6-16-09 Lithologic Log: Attach

Distance from Top of Casing (cap off) to ground surface (one-hundredth of a foot):	7.00
Total Depth of Well to the nearest 1/2 foot:	15'
Depth to Top of Screen (or Top of Open Hole) From Top of Casing (one-hundredth of a foot):	5'
Screen Length (or length of open hole) in feet:	10'
Screen or Slot Size:	.020
Screen or Slot Material:	Sch 40 PVC
Casing Material: (PVC, Steel or Other-Specify):	Sch 40 PVC
Casing Diameter (inches):	2"
Static Water Level From Top of Casing at the Time of Installation (one-hundredth of a foot):	6'
Yield (gallons per minute):	.25
Development Technique (specify):	Submersible Typhoon
Length of Time Well is Developed/Pumped or Bailed:	1 Hours — Minutes

Authentication

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Technical Certification:

George Thornhill [signature]
Name (Type or Print) Signature

J1306
Certification or License No.

Seal

Certification by Executive Officer or Duly Authorized Representative:

DENNIS SPEARNOCK [signature] 6/23/10
Name (Type or Print) Signature Date

Title: Manager

MONITORING WELL CERTIFICATION - FORM A - AS-BUILT CERTIFICATION

Name of Owner: Hudson County
Name of Facility: 14th Street Viaduct
Location: 14th Street Hoboken, N.J. Hudson CTy.
UST Registration No.: _____ BUST case No.: ____ - ____ - ____ - _____

CERTIFICATION

Well Permit Number: P200905868 Owner's Well Number B-105
Well Completion Date: 6-11-09 Lithologic Log: Attach

Distance from Top of Casing (cap off) to ground surface (one-hundredth of a foot):	3.53
Total Depth of Well to the nearest 1/2 foot:	15'
Depth to Top of Screen (or Top of Open Hole) From Top of Casing (one-hundredth of a foot):	5'
Screen Length (or length of open hole) in feet:	10'
Screen or Slot Size:	.020
Screen or Slot Material:	Sch 40 PVC
Casing Material: (PVC, Steel or Other-Specify):	Sch 40 PVC
Casing Diameter (inches):	2"
Static Water Level From Top of Casing at the Time of Installation (one-hundredth of a foot):	8
Yield (gallons per minute):	.25
Development Technique (specify):	Submersible Typhoon
Length of Time Well is Developed/Pumped or Bailed:	1 Hours - Minutes

Authentication

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Technical Certification:

George Thornhill George Thornhill
Name (Type or Print) Signature

J1306
Certification or License No.

Seal

Certification by Executive Officer or Duly Authorized Representative:

DENNIS SPEARNOCK Dennis Spearnock 6/23/10
Name (Type or Print) Signature Date

Title: Manager

MONITORING WELL CERTIFICATION - FORM A - AS-BUILT CERTIFICATION

Name of Owner: Hudson County
Name of Facility: 14th Street Viaduct
Location: 14th Street Hoboken, N.J. Hudson CTy.
UST Registration No.: _____ BUST case No.: ____ - ____ - ____ - _____

CERTIFICATION

Well Permit Number: P200905869 Owner's Well Number B-107
Well Completion Date: 7-1-09 Lithologic Log: Attach

Distance from Top of Casing (cap off) to ground surface (one-hundredth of a foot):	5.04
Total Depth of Well to the nearest 1/2 foot:	13'
Depth to Top of Screen (or Top of Open Hole) From Top of Casing (one-hundredth of a foot):	3'
Screen Length (or length of open hole) in feet:	10'
Screen or Slot Size:	.020
Screen or Slot Material:	Sch 40 PVC
Casing Material: (PVC, Steel or Other-Specify):	Sch 40 PVC
Casing Diameter (inches):	2"
Static Water Level From Top of Casing at the Time of Installation (one-hundredth of a foot):	4.5'
Yield (gallons per minute):	.25
Development Technique (specify):	Submersible Typhoon
Length of Time Well is Developed/Pumped or Bailed:	1 Hours — Minutes

Authentication

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Technical Certification:

George Thornhill [signature]
Name (Type or Print) Signature

J1306
Certification or License No.

Seal

Certification by Executive Officer or Duly Authorized Representative:

DENNIS SPEARNOCK [signature] 6/23/10
Name (Type or Print) Signature Date

Title: Manager

MONITORING WELL CERTIFICATION - FORM A - AS-BUILT CERTIFICATION

Name of Owner: Hudson County
Name of Facility: 14th Street Viaduct
Location: 14th Street Hoboken, N.J. Hudson CTy.
UST Registration No.: _____ BUST case No.: ____ - ____ - ____ - _____

CERTIFICATION

Well Permit Number: P200905870 Owner's Well Number B-112
Well Completion Date: 6-25-09 Lithologic Log: Attach

Distance from Top of Casing (cap off) to ground surface (one-hundredth of a foot):	4.70
Total Depth of Well to the nearest 1/2 foot:	14'
Depth to Top of Screen (or Top of Open Hole) From Top of Casing (one-hundredth of a foot):	4'
Screen Length (or length of open hole) in feet:	10'
Screen or Slot Size:	.020
Screen or Slot Material:	Sch 40 PVC
Casing Material: (PVC, Steel or Other-Specify):	Sch 40 PVC
Casing Diameter (inches):	2"
Static Water Level From Top of Casing at the Time of Installation (one-hundredth of a foot):	14'
Yield (gallons per minute):	.25
Development Technique (specify):	Submersible Typhoon
Length of Time Well is Developed/Pumped or Bailed:	1 Hours – Minutes

Authentication

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Technical Certification:

George Thornhill [signature]
Name (Type or Print) Signature

J1306
Certification or License No.

Seal

Certification by Executive Officer or Duly Authorized Representative:

DENNIS SPEARNOLK [signature] 6/23/10
Name (Type or Print) Signature Date

Title: Manager

MONITORING WELL CERTIFICATION - FORM A - AS-BUILT CERTIFICATION

Name of Owner: Hudson County
Name of Facility: 14th Street Viaduct
Location: 14th Street Hoboken, N.J. Hudson CTy.
UST Registration No.: _____ BUST case No.: ____ - ____ - ____ - _____

CERTIFICATION

Well Permit Number: P20090587L
Owner's Well Number B-114
Well Completion Date: 6-24-09
Lithologic Log: Attach

Distance from Top of Casing (cap off) to ground surface (one-hundredth of a foot):	6.63
Total Depth of Well to the nearest 1/2 foot:	14'
Depth to Top of Screen (or Top of Open Hole) From Top of Casing (one-hundredth of a foot):	4'
Screen Length (or length of open hole) in feet:	10'
Screen or Slot Size:	.020
Screen or Slot Material:	Sch 40 PVC
Casing Material: (PVC, Steel or Other-Specify):	Sch 40 PVC
Casing Diameter (inches):	2"
Static Water Level From Top of Casing at the Time of Installation (one-hundredth of a foot):	7'
Yield (gallons per minute):	.25
Development Technique (specify):	Submersible Typhoon
Length of Time Well is Developed/Pumped or Bailed:	1 Hours – Minutes

Authentication

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Technical Certification:

George Thornhill — George Thornhill
Name (Type or Print) — Signature

J1306
Certification or License No.

Seal

Certification by Executive Officer or Duly Authorized Representative:

DENNIS SPEARNOCK — Dennis A Spearnock — 6/23/10
Name (Type or Print) — Signature — Date

Title: Manager

MONITORING WELL CERTIFICATION - FORM A - AS-BUILT CERTIFICATION

Name of Owner: Hudson County
Name of Facility: 14th Street Viaduct
Location: 14th Street Hoboken, N.J. Hudson CTy.
UST Registration No.: _____ BUST case No.: ____ - ____ - ____ - _____

CERTIFICATION

Well Permit Number: P200905872 Owner's Well Number B-118
Well Completion Date: 6-21-09 Lithologic Log: Attach

Distance from Top of Casing (cap off) to ground surface (one-hundredth of a foot):	4.13
Total Depth of Well to the nearest 1/2 foot:	14'
Depth to Top of Screen (or Top of Open Hole) From Top of Casing (one-hundredth of a foot):	4'
Screen Length (or length of open hole) in feet:	10'
Screen or Slot Size:	.020
Screen or Slot Material:	Sch 40 PVC
Casing Material: (PVC, Steel or Other-Specify):	Sch 40 PVC
Casing Diameter (inches):	2"
Static Water Level From Top of Casing at the Time of Installation (one-hundredth of a foot):	8'
Yield (gallons per minute):	.25
Development Technique (specify):	Submursible Typhoon
Length of Time Well is Developed/Pumped or Bailed:	1 Hours — Minutes

Authentication

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Technical Certification:

George Thornhill [signature]
Name (Type or Print) Signature

J1306
Certification or License No.

Seal

Certification by Executive Officer or Duly Authorized Representative:

DENNIS SIEARNOCK [signature] 6/23/10
Name (Type or Print) Signature Date

Title: Manager

MONITORING WELL CERTIFICATION - FORM A - AS-BUILT CERTIFICATION

Name of Owner: Hudson County
Name of Facility: 14th Street Viaduct
Location: 14th Street Hoboken, N.J. Hudson CTy.
UST Registration No.: _____ BUST case No.: ____ - ____ - ____ - _____

CERTIFICATION

Well Permit Number: P200905873 Owner's Well Number B-124
Well Completion Date: 7-9-09 Lithologic Log: Attach

Distance from Top of Casing (cap off) to ground surface (one-hundredth of a foot):	5.75
Total Depth of Well to the nearest 1/2 foot:	13'
Depth to Top of Screen (or Top of Open Hole) From Top of Casing (one-hundredth of a foot):	3'
Screen Length (or length of open hole) in feet:	10'
Screen or Slot Size:	.020
Screen or Slot Material:	Sch 40 PVC
Casing Material: (PVC, Steel or Other-Specify):	Sch 40 PVC
Casing Diameter (inches):	2"
Static Water Level From Top of Casing at the Time of Installation (one-hundredth of a foot):	4'
Yield (gallons per minute):	.25
Development Technique (specify):	Submersible Typhoon
Length of Time Well is Developed/Pumped or Bailed:	1 Hours — Minutes

Authentication

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Technical Certification:

George Thornhill [signature]
Name (Type or Print) Signature

J1306
Certification or License No.

Seal

Certification by Executive Officer or Duly Authorized Representative:

DENNIS SPEARNOCK [signature] 6/23/10
Name (Type or Print) Signature Date

Title: Manager

MONITORING WELL CERTIFICATION - FORM A - AS-BUILT CERTIFICATION

Name of Owner: Hudson County
Name of Facility: 14th Street Viaduct
Location: 14th Street Hoboken, N.J. Hudson CTy.
UST Registration No.: _____ BUST case No.: ____ - ____ - ____ - _____

CERTIFICATION

Well Permit Number: P2009058 74 Owner's Well Number B-127
Well Completion Date: 6-23-09 Lithologic Log: Attach

Distance from Top of Casing (cap off) to ground surface (one-hundredth of a foot):	5.14
Total Depth of Well to the nearest 1/2 foot:	13'
Depth to Top of Screen (or Top of Open Hole) From Top of Casing (one-hundredth of a foot):	3'
Screen Length (or length of open hole) in feet:	10'
Screen or Slot Size:	.020
Screen or Slot Material:	Sch 40 PVC
Casing Material: (PVC, Steel or Other-Specify):	Sch 40 PVC
Casing Diameter (inches):	2"
Static Water Level From Top of Casing at the Time of Installation (one-hundredth of a foot):	4'
Yield (gallons per minute):	.25
Development Technique (specify):	Submersible Typhoon
Length of Time Well is Developed/Pumped or Bailed:	1 Hours — Minutes

Authentication

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Technical Certification:

George Thornhill [signature]
Name (Type or Print) Signature

J1306
Certification or License No.

Seal

Certification by Executive Officer or Duly Authorized Representative:

DENNIS SPEARNOCK [signature] 6/23/10
Name (Type or Print) Signature Date

Title: Manager

MONITORING WELL CERTIFICATION - FORM A - AS-BUILT CERTIFICATION

Name of Owner: Hudson County
Name of Facility: 14th Street Viaduct
Location: 14th Street Hoboken, N.J. Hudson CTy.
UST Registration No.: _____ BUST case No.: ____ - ____ - ____ - _____

CERTIFICATION

Well Permit Number: P200905875 Owner's Well Number B-129
Well Completion Date: 6-23-09 Lithologic Log: Attach

Distance from Top of Casing (cap off) to ground surface (one-hundredth of a foot):	7.04
Total Depth of Well to the nearest 1/2 foot:	12'
Depth to Top of Screen (or Top of Open Hole) From Top of Casing (one-hundredth of a foot):	2'
Screen Length (or length of open hole) in feet:	10'
Screen or Slot Size:	.020
Screen or Slot Material:	Sch 40 PVC
Casing Material: (PVC, Steel or Other-Specify):	Sch 40 PVC
Casing Diameter (inches):	2"
Static Water Level From Top of Casing at the Time of Installation (one-hundredth of a foot):	5'
Yield (gallons per minute):	.25
Development Technique (specify):	Submursible Typhoon
Length of Time Well is Developed/Pumped or Bailed:	1 Hours — Minutes

Authentication

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Technical Certification:

George Thornhill [signature]
Name (Type or Print) Signature

J1306
Certification or License No.

Seal

Certification by Executive Officer or Duly Authorized Representative:

Dennis Spearnock [signature] 6/23/10
Name (Type or Print) Signature Date

Title: Manager

TranSystems

Letter of Transmittal

45 Eisenhower Drive
Paramus, NJ 07652

T 201-368-0400
F 201-368-7740
www.transystems.com

To:	Christopher F. Schmitt, LSRP
	Haley & Aldrich, Inc
	299 Cherry Hill Road Suite 105 Parsippany, NJ 07054
Date:	05/06/10
No. of Pages:	52

From:	Bill Clark
Subject:	14th Street Bridge
	Monitoring Well Certifications
Project Name:	Replacement of the 14th Street Viaduct
Project No:	708 08 0027

Handling Instructions:

- ☐ URGENT!!
- ☒ For Your Information and Use
- ☐ As Requested
- ☐ Please Confirm Receipt
- ☐ For Review and Comment
- ☐ For Approval
- ☐ Approved as Submitted
- ☐ Returned for Corrections
- ☐ See Comments
- ☐ Approved as Noted
- ☐ Rejected

Sent under separate cover via _____ the following items:

- ☐ Shop Drawings
- ☐ Specifications
- ☐ Prints
- ☐ Copy of Letter
- ☐ Plans
- ☐ _____
- ☐ Samples

Copies	Date	Description
1	05/6/10	Monitoring Well Certification Form B for 14th st. Viaduct.

Comments:

Deliver Via:

- ☒ Overnight Service (FedEx, UPS, DHL)
- ☐ Courier/Messenger
- ☐ Hand Deliver
- ☐ Mail

CC: _____

Signature: _____

Print: Bill Clark

MONITORING WELL CERTIFICATION FORM B - LOCATION CERTIFICATION

Name of Owner: Hudson County Office of the County Engineer

Name of Facility: 14th Street Viaduct Over Conrail and Local Streets Structure No. 0900-016

Location: North side of 14th St. 100'+/- west of Madison St Hoboken, NJ

Case Number(s): NJDEP 10-0420-1310-04 (UST #, ISRA #, Incident #, or EPA #)

LAND SURVEYOR'S CERTIFICATION

Well Permit Number: P2009-05586-7
(This number must be permanently affixed to the well casing.)

Owners Well Number (As shown on application or plans): MW-103

Geographic Coordinate NAD 83 (to nearest 1/10 of second):

Longitude: West 74° 02' 05.1" Latitude: North 40° 45' 17.7"

New Jersey State Plane Coordinates NAD 83 to nearest 10 feet:

North 700257 East 621013

Elevation of Top of Inner Casing (cap off) at reference mark (nearest 0.01'): 7.00

Source of elevation datum (benchmark, number/description and elevation/datum. If an on-site datum is used, identify here, assume datum of 100', and give approximated actual elevation.)

Set Traverse Point, KS29/Rebar. Elevation 6.11. Traverse elevations originally established using GPS NAVD 88 Datum.

Significant observations and notes: _____

AUTHENTICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

SEAL

Robert A. Ryan — 5/3/10

PROFESSIONAL LAND SURVEYOR'S SIGNATURE — DATE

Robert A. Ryan 27482

PROFESSIONAL LAND SURVEYOR'S NAME AND LICENSE NUMBER
(Please print or type)

494 Broad St. Newark, N.J. (973) 623-2999

PROFESSIONAL LAND SURVEYOR'S ADDRESS AND PHONE NUMBER

MONITORING WELL CERTIFICATION FORM B - LOCATION CERTIFICATION

Name of Owner: Hudson County Office of the County Engineer

Name of Facility: 14th Street Viaduct Over Conrail and Local Streets Structure No. 0900-016

Location: North side of 14th St. 45'+/- west of Jefferson St Hoboken, NJ

Case Number(s): NJDEP 10-0420-1310-04 (UST #, ISRA #, Incident #, or EPA #)

LAND SURVEYOR'S CERTIFICATION

Well Permit Number: P2009-05586-8
(This number must be permanently affixed to the well casing.)

Owners Well Number (As shown on application or plans): MW-105

Geographic Coordinate NAD 83 (to nearest 1/10 of second):

Longitude: West 74° 02' 00.9" Latitude: North 40° 45' 17.0"

New Jersey State Plane Coordinates NAD 83 to nearest 10 feet:

North 700181 East 621337

Elevation of Top of Inner Casing (cap off) at reference mark (nearest 0.01'): 3.53

Source of elevation datum (benchmark, number/description and elevation/datum. If an on-site datum is used, identify here, assume datum of 100', and give approximated actual elevation.)

Set Traverse Point, KS64/ PK Nail in sidewalk. Elevation 4.34. Traverse elevations originally established using GPS NAVD 88 Datum.

Significant observations and notes: _____

AUTHENTICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

SEAL

Robert A. Ryan — 5/3/10

PROFESSIONAL LAND SURVEYOR'S SIGNATURE — DATE

Robert A. Ryan 27482

PROFESSIONAL LAND SURVEYOR'S NAME AND LICENSE NUMBER
(Please print or type)

KS Engineers 494 Broad St. Newark, N.J. (973) 623-2999

PROFESSIONAL LAND SURVEYOR'S ADDRESS AND PHONE NUMBER

MONITORING WELL CERTIFICATION FORM B - LOCATION CERTIFICATION

Name of Owner: Hudson County Office of the County Engineer

Name of Facility: 14th Street Viaduct Over Conrail and Local Streets Structure No. 0900-016

Location: 14th St., under Viaduct, 50'+/- west of Adams St. Hoboken, NJ

Case Number(s): NJDEP 10-0420-1310-04 (UST #, ISRA #, Incident #, or EPA #)

LAND SURVEYOR'S CERTIFICATION

Well Permit Number: P2009-05586-9
(This number must be permanently affixed to the well casing.)

Owners Well Number (As shown on application or plans): MW-107

Geographic Coordinate NAD 83 (to nearest 1/10 of second):

Longitude: West 74° 01' 57.6" Latitude: North 40° 45' 16.2"

New Jersey State Plane Coordinates NAD 83 to nearest 10 feet:

North 700104 East 621588

Elevation of Top of Inner Casing (cap off) at reference mark (nearest 0.01'): 5.04

Source of elevation datum (benchmark, number/description and elevation/datum. If an on-site datum is used, identify here, assume datum of 100', and give approximated actual elevation.)

Set Traverse Point, KS64/ PK Nail in sidewalk. Elevation 4.34. Traverse elevations originally established using GPS NAVD 88 Datum.

Significant observations and notes: _____

AUTHENTICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

SEAL

Robert A. Ryan 5/3/10

PROFESSIONAL LAND SURVEYOR'S SIGNATURE DATE

Robert A. Ryan 27482

PROFESSIONAL LAND SURVEYOR'S NAME AND LICENSE NUMBER
(Please print or type)

KS Engineers 494 Broad St. Newark, N.J. (973) 623-2999

PROFESSIONAL LAND SURVEYOR'S ADDRESS AND PHONE NUMBER

MONITORING WELL CERTIFICATION FORM B - LOCATION CERTIFICATION

Name of Owner: Hudson County Office of the County Engineer

Name of Facility: 14th Street Viaduct Over Conrail and Local Streets Structure No. 0900-016

Location: North side of 14th St., 30'+/- west of Clinton St. Hoboken, NJ

Case Number(s): NJDEP 10-0420-1310-04 (UST #, ISRA #, Incident #, or EPA #)

LAND SURVEYOR'S CERTIFICATION

Well Permit Number: P2009-05587-0
(This number must be permanently affixed to the well casing.)

Owners Well Number (As shown on application or plans): MW-112

Geographic Coordinate NAD 83 (to nearest 1/10 of second):

Longitude: West 74° 01' 50.6" Latitude: North 40° 45' 15.2"

New Jersey State Plane Coordinates NAD 83 to nearest 10 feet:

North 700002 East 622131

Elevation of Top of Inner Casing (cap off) at reference mark (nearest 0.01'): 4.70

Source of elevation datum (benchmark, number/description and elevation/datum. If an on-site datum is used, identify here, assume datum of 100', and give approximated actual elevation.)

Set Traverse Point, KS90/ PK Nail in sidewalk. Elevation 5.23. Traverse elevations originally established using GPS NAVD 88 Datum.

Significant observations and notes: _____

AUTHENTICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

SEAL

Robert A. Ryan 5/3/10

PROFESSIONAL LAND SURVEYOR'S SIGNATURE DATE

Robert A. Ryan 27422

PROFESSIONAL LAND SURVEYOR'S NAME AND LICENSE NUMBER
(Please print or type)

KS Engineers 494 Broad St. Newark, N.J. (973) 623-2999

PROFESSIONAL LAND SURVEYOR'S ADDRESS AND PHONE NUMBER

MONITORING WELL CERTIFICATION FORM B - LOCATION CERTIFICATION

Name of Owner: Hudson County Office of the County Engineer

Name of Facility: 14th Street Viaduct Over Conrail and Local Streets Structure No. 0900-016

Location: North side of 14th St., 70'+/- west of Willow Ave. Hoboken, NJ

Case Number(s): NJDEP 10-0420-1310-04 (UST #, ISRA #, Incident #, or EPA #)

LAND SURVEYOR'S CERTIFICATION

Well Permit Number: P2009-05587-1
(This number must be permanently affixed to the well casing.)

Owners Well Number (As shown on application or plans): MW-114

Geographic Coordinate NAD 83 (to nearest 1/10 of second):

Longitude: West 74° 01' 47.8" Latitude: North 40° 45' 14.7"

New Jersey State Plane Coordinates NAD 83 to nearest 10 feet:

North 699957 East 622343

Elevation of Top of Inner Casing (cap off) at reference mark (nearest 0.01'): 6.63

Source of elevation datum (benchmark, number/description and elevation/datum. If an on-site datum is used, identify here, assume datum of 100', and give approximated actual elevation.)

Set Traverse Point, KS90/ PK Nail in sidewalk. Elevation 5.23. Traverse elevations originally established using GPS NAVD 88 Datum.

Significant observations and notes: _____

AUTHENTICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

SEAL

Robert A. Ryan — 5/3/10

PROFESSIONAL LAND SURVEYOR'S SIGNATURE — DATE

Robert A. Ryan 27482

PROFESSIONAL LAND SURVEYOR'S NAME AND LICENSE NUMBER
(Please print or type)

KS Engineers 494 Broad St. Newark, N.J. (973) 623-2999

PROFESSIONAL LAND SURVEYOR'S ADDRESS AND PHONE NUMBER

MONITORING WELL CERTIFICATION FORM B - LOCATION CERTIFICATION

Name of Owner: Hudson County Office of the County Engineer

Name of Facility: 14th Street Viaduct Over Conrail and Local Streets Structure No. 0900-016

Location: South side of 14th St., 40'+/- east of Madison St. Hoboken, NJ

Case Number(s): NJDEP 10-0420-1310-04 (UST #, ISRA #, Incident #, or EPA #)

LAND SURVEYOR'S CERTIFICATION

Well Permit Number: P2009-05587-2
(This number must be permanently affixed to the well casing.)

Owners Well Number (As shown on application or plans): MW-118

Geographic Coordinate NAD 83 (to nearest 1/10 of second):

Longitude: West 74° 02' 03.0" Latitude: North 40° 45' 16.7"

New Jersey State Plane Coordinates NAD 83 to nearest 10 feet:

North 700149 East 621174

Elevation of Top of Inner Casing (cap off) at reference mark (nearest 0.01'): 4.13

Source of elevation datum (benchmark, number/description and elevation/datum. If an on-site datum is used, identify here, assume datum of 100', and give approximated actual elevation.)

Set Traverse Point, KS14/ PK Nail in street. Elevation 4.78. Traverse elevations originally established using GPS NAVD 88 Datum.

Significant observations and notes: _____

AUTHENTICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

SEAL

Robert A. Ryan — 5/3/10

PROFESSIONAL LAND SURVEYOR'S SIGNATURE — DATE

Robert A. Ryan — 27482

PROFESSIONAL LAND SURVEYOR'S NAME AND LICENSE NUMBER
(Please print or type)

KS Engineers 494 Broad St. Newark, N.J. (973) 623-2999

PROFESSIONAL LAND SURVEYOR'S ADDRESS AND PHONE NUMBER

MONITORING WELL CERTIFICATION FORM B - LOCATION CERTIFICATION

Name of Owner: Hudson County Office of the County Engineer

Name of Facility: 14th Street Viaduct Over Conrail and Local Streets Structure No. 0900-016

Location: South side of 14th St., 35'+/- east of Grand St. Hoboken, NJ

Case Number(s): NJDEP 10-0420-1310-04 (UST #, ISRA #, Incident #, or EPA #)

LAND SURVEYOR'S CERTIFICATION

Well Permit Number: P2009-05587-3
(This number must be permanently affixed to the well casing.)

Owners Well Number (As shown on application or plans): MW-124

Geographic Coordinate NAD 83 (to nearest 1/10 of second):

Longitude: West 74° 01' 53.0" Latitude: North 40° 45' 15.1"

New Jersey State Plane Coordinates NAD 83 to nearest 10 feet:

North 699991 East 621947

Elevation of Top of Inner Casing (cap off) at reference mark (nearest 0.01'): 5.75

Source of elevation datum (benchmark, number/description and elevation/datum. If an on-site datum is used, identify here, assume datum of 100', and give approximated actual elevation.)

Set Traverse Point, KS69/ PK Nail in sidewalk. Elevation 5.70. Traverse elevations originally established using GPS NAVD 88 Datum.

Significant observations and notes: _____

AUTHENTICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

SEAL

Robert A. Ryan — 5/3/10

PROFESSIONAL LAND SURVEYOR'S SIGNATURE — DATE

Robert A. Ryan 27482

PROFESSIONAL LAND SURVEYOR'S NAME AND LICENSE NUMBER
(Please print or type)

KS Engineers 494 Broad St. Newark, N.J. (973) 623-2999

PROFESSIONAL LAND SURVEYOR'S ADDRESS AND PHONE NUMBER

MONITORING WELL CERTIFICATION FORM B - LOCATION CERTIFICATION

Name of Owner: Hudson County Office of the County Engineer

Name of Facility: 14th Street Viaduct Over Conrail and Local Streets Structure No. 0900-016

Location: South side of 14th St., 20'+/- east of Clinton St. Hoboken, NJ

Case Number(s): NJDEP 10-0420-1310-04 (UST #, ISRA #, Incident #, or EPA #)

LAND SURVEYOR'S CERTIFICATION

Well Permit Number: P2009-05587-4
(This number must be permanently affixed to the well casing.)

Owners Well Number (As shown on application or plans): MW-127

Geographic Coordinate NAD 83 (to nearest 1/10 of second):

Longitude: West 74° 01' 49.8" Latitude: North 40° 45' 14.4"

New Jersey State Plane Coordinates NAD 83 to nearest 10 feet:

North 699921 East 622190

Elevation of Top of Inner Casing (cap off) at reference mark (nearest 0.01'): 5.14

Source of elevation datum (benchmark, number/description and elevation/datum. If an on-site datum is used, identify here, assume datum of 100', and give approximated actual elevation.)

Set Traverse Point, KS69/ PK Nail in sidewalk. Elevation 5.70. Traverse elevations originally established using GPS NAVD 88 Datum.

Significant observations and notes: _____

AUTHENTICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

SEAL

Robert A. Ryan 5/3/10

PROFESSIONAL LAND SURVEYOR'S SIGNATURE DATE

Robert A. Ryan 27482

PROFESSIONAL LAND SURVEYOR'S NAME AND LICENSE NUMBER
(Please print or type)

KS Engineers 494 Broad St. Newark, N.J. (973) 623-2999

PROFESSIONAL LAND SURVEYOR'S ADDRESS AND PHONE NUMBER

MONITORING WELL CERTIFICATION FORM B - LOCATION CERTIFICATION

Name of Owner: Hudson County Office of the County Engineer

Name of Facility: 14th Street Viaduct Over Conrail and Local Streets Structure No. 0900-016

Location: South side of 14th St., 20'+/- west of Willow Ave. Hoboken, NJ

Case Number(s): NJDEP 10-0420-1310-04 (UST #, ISRA #, Incident #, or EPA #)

LAND SURVEYOR'S CERTIFICATION

Well Permit Number: P2009-05587-5
(This number must be permanently affixed to the well casing.)

Owners Well Number (As shown on application or plans): MW-129

Geographic Coordinate NAD 83 (to nearest 1/10 of second):

Longitude: West 74° 01' 47.4" Latitude: North 40° 45' 13.9"

New Jersey State Plane Coordinates NAD 83 to nearest 10 feet:

North 699877 East 622371

Elevation of Top of Inner Casing (cap off) at reference mark (nearest 0.01'): 7.04

Source of elevation datum (benchmark, number/description and elevation/datum. If an on-site datum is used, identify here, assume datum of 100', and give approximated actual elevation.)

Set Traverse Point, KS69/ PK Nail in sidewalk. Elevation 5.70. Traverse elevations originally established using GPS NAVD 88 Datum.

Significant observations and notes: _____

AUTHENTICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

SEAL

Robert A. Ryan — 5/3/10

PROFESSIONAL LAND SURVEYOR'S SIGNATURE — DATE

Robert A. Ryan 27482

PROFESSIONAL LAND SURVEYOR'S NAME AND LICENSE NUMBER
(Please print or type)

KS Engineers 494 Broad St. Newark, N.J. (973) 623-2999

PROFESSIONAL LAND SURVEYOR'S ADDRESS AND PHONE NUMBER

APPENDIX G

Investigation-Derived Waste Disposal Documentation

Monarch ENVIRONMENTAL SERVICES

108 East Lake Road
P.O. Box 330
Woodstown, NJ 08098

BILL OF LADING

221732

ON SITE COLLECTION RECEIPT

Bill To: LAND-N-SEA
Mike
(609)932-8352

PO #:
Profile #: 2714

GENERATOR		STOP INFORMATION	
Job Site		Date:	3/24/2010
Adams & 14th Street		Start Time:	7:00:00 AM
Hoboken, NJ,		Arrival Time:	9:29:00 AM
Phone #:		Departure Time:	11:20:00 AM
EPA ID #:		Finish Time:	1:45:00 PM
			6.75 HR

DESIGNATED FACILITY		TRANSPORTER	
Monarch Environmental		Monarch Environmental, Inc.	
108 East Lake Road		Phone #:	856-769-9022
Woodstown, NJ, 08098		EPA ID #:	NJR000040667
Phone #:	856-769-9022	Driver Name:	Brian Cunningham
EPA ID #:	NJD011881174	Truck #:	ME-44

US DOT DESCRIPTION	CONTAINERS No.	CONTAINERS Type	Total Quality	Unit Wt/Vol	Waste No.
Petroleum Mixture Liquids/Solids	45	DM	22500	lbs	

GENERATORS CERTIFICATION

I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classifed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and are not-hazardous by US EPA & applicable state regulations.

Placards Required: **Placards Supplied:** No, Furnished By Carrier

GENERATOR AKNOWLEDGEMENT:

On Behalf of
Steve Lynch
on behalf of 3/24/2010

TRANSPORTER ACKNOWLEDGEMENT:

Brian Cunningham 3/24/2010

FACILITY AKNOWLEDGEMENT:

Karen Kohout

Tank #: 2

Mike Riek 3-24-10

IN CASE OF EMERGENCY CALL (800) 220-3478

APPENDIX H

Groundwater Contour Map Reporting Forms

NOTE: THIS IS A COURTESY COPY OF THIS RULE. ALL OF THE DEPARTMENT'S RULES ARE COMPILED IN TITLE 7 OF THE NEW JERSEY ADMINISTRATIVE CODE.

APPENDIX G - CONTOUR MAP REPORTING FORM

27 July 2009

This reporting form shall accompany each groundwater contour map submittal. Use additional sheets as necessary.

1. Did any surveyed well casing elevations change from the previous sampling event? Yes... No... If yes, attach new "Well Certification--Form B--Location Certification" as found in the "Guide for the Submission of Remedial Action Workplans" (NJDEP, March 1995) and identify the reason for the elevation change (damage to casing, installation of recovery system in monitoring well, etc.).

2. Are there any monitor wells in unconfined aquifers in which the water table elevation is higher than the top of the well screen? Yes... No... If yes, identify these wells.

3. Are there any monitor wells present at the site but omitted from the contour map? Yes... No... Unless the omission of the well(s) has been previously approved by the Department, justify the omissions.

4. Are there any monitor wells containing separate phase product during this measuring event? Yes... No... Were any of the monitor wells with separate phase product included in the groundwater contour map? Yes... No... If yes, show the formula used to correct the water table elevation.

5. Has the groundwater flow direction changed more than 45 degrees from the previous groundwater contour map? Yes... No... If yes, discuss the reasons for the change.

6. Has groundwater mounding and/or depressions been identified in the groundwater contour map? Yes... No... Unless the groundwater mounds and/or depressions are caused by the groundwater remediation system, discuss the reasons for this occurrence.

7. Are all the wells used in the contour map screened in the same water-bearing zone? Yes... No... If no, justify inclusion of those wells.

8. Were the groundwater contours computer generated..., computer aided..., or hand-drawn...? If computer aided or generated, identify the interpolation method(s) used.

Kriging technique

NOTE: THIS IS A COURTESY COPY OF THIS RULE. ALL OF THE DEPARTMENT'S RULES ARE COMPILED IN TITLE 7 OF THE NEW JERSEY ADMINISTRATIVE CODE.

APPENDIX G - CONTOUR MAP REPORTING FORM

28 May 2010

This reporting form shall accompany each groundwater contour map submittal. Use additional sheets as necessary.

1. Did any surveyed well casing elevations change from the previous sampling event? Yes... No... If yes, attach new "Well Certification--Form B--Location Certification" as found in the "Guide for the Submission of Remedial Action Workplans" (NJDEP, March 1995) and identify the reason for the elevation change (damage to casing, installation of recovery system in monitoring well, etc.).

2. Are there any monitor wells in unconfined aquifers in which the water table elevation is higher than the top of the well screen? Yes... No... If yes, identify these wells.

3. Are there any monitor wells present at the site but omitted from the contour map? Yes... No... Unless the omission of the well(s) has been previously approved by the Department, justify the omissions.

4. Are there any monitor wells containing separate phase product during this measuring event? Yes... No... Were any of the monitor wells with separate phase product included in the groundwater contour map? Yes... No... If yes, show the formula used to correct the water table elevation.

5. Has the groundwater flow direction changed more than 45 degrees from the previous groundwater contour map? Yes... No... If yes, discuss the reasons for the change.

6. Has groundwater mounding and/or depressions been identified in the groundwater contour map? Yes... No... Unless the groundwater mounds and/or depressions are caused by the groundwater remediation system, discuss the reasons for this occurrence.

7. Are all the wells used in the contour map screened in the same water-bearing zone? Yes... No... If no, justify inclusion of those wells.

8. Were the groundwater contours computer generated..., computer aided..., or hand-drawn...? If computer aided or generated, identify the interpolation method(s) used.

Kriging technique

APPENDIX I

Groundwater Field Sampling Report – 27 July 2009

TestAmerica Edison

Summary of Field Sampling Measurements and Data (Standard Purge)

Client: Haley & Aldrich Project: 14th St, Hoboken Analyst / Field Sampler: Tom Lesinski

Job No: 4158 Date Sampled: 7/27/2009 Weather: 80°F Clouds Field Sampler: Steve Schulze

Well / Purge Information											
Well ID	**MW-103**	**MW-105**	**MW-118**	**MW-107**	**MW-124**	**MW-127**	**MW-129**	**MW-114**	**MW-112**		
PID Reading from Well Casing (ppm)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Depth to Product from TOC (ft.)	ND	ND	ND	ND	ND	ND	ND	ND	ND		
Depth to Water from TOC (ft.) (before purging)	6.61	3.12	3.51	4.60	5.33	3.60	4.90	6.26	4.45		
Depth to Bottom from TOC (ft.)	17.85	15.17	12.50	13.20	12.95	13.33	13.28	13.00	12.55		
Water Volume in Well (gal.)	1.83	1.96	1.47	1.40	1.24	1.59	1.37	1.10	1.32		
Purge Method	Peristaltic Pump	Submersible pump	Submersible pump	Submersible pump	Submersible pump	Submersible pump	Submersible pump	Submersible pump	Submersible pump		
Purge Start Time	0806	0835	0857	0922	0946	1025	1113	1154	1229		
Purge End Time	0814	0842	0902	0928	0957	1031	1125	1202	1237		
Purge Rate (gpm)	0.69	0.86	0.90	0.75	0.36	0.83	0.33	0.43	0.50		
Volume Purged (gal.)	5.5	6.0	4.5	4.5	4.0	5.0	4.0	3.5	4.0		
Depth to Water from TOC (ft.) (after purging)	6.73	3.30	5.13	4.65	6.35	3.77	11.98	6.28	4.53		
Depth to Water from TOC (ft.) (before sampling)	6.61	3.13	3.70	4.60	5.44	3.61	8.46	6.26	4.49		
Sampling Method	Teflon bailer	Teflon bailer	Teflon bailer	Teflon bailer	Teflon bailer	Teflon bailer	Teflon bailer	Teflon bailer	Teflon bailer		
Time of Sampling	0820	0845	0905	0930	1005	1035	1130	1205	1240		
Field Parameters											
pH before Purge	7.04	6.97	7.04	7.08	7.17	7.19	7.20	7.59	7.22		
Temp. before Purge (°C)	17.7	16.4	18.0	18.6	21.2	22.0	21.8	21.1	21.4		
Diss. Oxygen before Purge (ppm)	1.69	1.23	1.60	0.94	0.96	1.30	1.06	1.49	2.40		
Cond. before Purge (umhos/cm)	4880	2480	1329	2320	1296	1412	6.22	6590	6430		
Redox Potential before Purge (mV)	-89.7	-68.6	-55.6	-61.6	-45.9	-21.1	-59.1	-10.9	-52.2		
Turbidity before Purge (ntu)	52.1	63.4	93.6	59.6	359	74.8	86.7	239	3224		
pH after Purge	7.71	6.96	6.99	6.94	6.89	6.91	7.22	7.13	7.28		
Temp. after Purge (°C)	16.4	14.2	17.9	15.8	18.9	21.5	18.1	19.1	19.4		
Diss. Oxygen after Purge (ppm)	1.44	0.75	1.56	0.50	0.38	1.82	2.22	0.53	2.39		
Cond. after Purge (umhos/cm)	1676	2500	1338	3100	1842	1714	5490	7050	3330		
Redox Potential after Purge (mV)	-104.6	-72.8	-65.4	-87.9	-48.1	-14.8	-83.4	-50.2	-72.8		
Turbidity after Purge (ntu)	13.1	12.8	350	339	949	9.99	270	42.8	38.7		
pH at Sample	7.28	6.93	6.90	7.07	6.90	6.92	7.25	7.15	7.19		
Temp. at Sample (°C)	16.6	14.6	17.7	16.5	18.3	21.3	18.6	19.8	19.6		
Diss. Oxygen at Sample (ppm)	0.76	0.68	1.32	0.23	0.17	1.29	2.75	1.22	0.46		
Cond. at Sample (umhos/cm)	1630	2450	1360	2750	2060	1766	4230	6490	3750		
Redox Potential at Sample (mV)	-90.5	-79.8	-72.0	-99.1	-66.2	-20.6	-68.5	-75.5	-79.2		
Turbidity at Sample (ntu)	18.7	978	2466	2600	1938	596	1128	1444	2222		

Comments: FB072709 @ 0815

APPENDIX J

Well Search Documentation

Haley & Aldrich, Inc.
299 Cherry Hill Rd.
Suite 105
Parsippany, NJ 07054-1124

Tel: 973.263.3900
Fax: 973.263.2580
HaleyAldrich.com

14 May 2010
File No. 36059-004

New Jersey Department of Environmental Protection
Bureau of Water Systems and Well Permitting
Radius Well Search Requests
PO Box 426
Trenton, New Jersey 08625-0426

Subject: One Mile Radius Well Search Request
14th Street Viaduct Replacement Project
14th Street from Manhattan Avenue to Willow Avenue
Hoboken and Union City, Hudson County, New Jersey

Ladies and Gentlemen:

On behalf of our client, TranSystems, Inc., attached please find a One Mile Radius Well Search Request for the 14th Street Viaduct Replacement Project located in Hoboken and Union City, Hudson County, NJ.

We have included a check payable to "Treasurer, State of New Jersey" in the amount of $230 in payment of the One Mile Radius Well Search fee.

The location of the center of the site (intersection of 14th Street and Adams Street) is as follows:

Latitude: 40 degrees 45 minutes 16 seconds
Longitude: 74 degrees 01 minutes 57 seconds

We have attached a USGS topographic quadrangle map (Weehawken, NJ) showing the site location.

Please contact me if you have any questions or require any additional information.

Sincerely yours,
HALEY & ALDRICH, INC.

Christopher F. Schmitt, LSRP, CHMM
Sr. Environmental Scientist

Attachments
Completed Radius Well Search Request Form
Check Payable to "Treasurer, State of New Jersey"
USGS Topographic Quadrangle Map Showing Site Location

G:\36059_TranSystems\004\Correspondence\2010-0414-HAI-TransSystems-14th Street-Well Search Request letter-F.doc

HALEY & ALDRICH

Haley & Aldrich, Inc.
465 Medford Street
Suite 2200
Boston, MA 02129-1400
Tel: 617.886.7400

Citizens Bank
Massachusetts

5-7017
2110

173081

173081

DATE	AMOUNT
May 12, 2010	$230.00

PAY TO THE ORDER OF

****** Two Hundred Thirty Dollars And Zero Cents

Treasurer, State of New Jersey

VOID AFTER 90 DAYS

AUTHORIZED SIGNATURES

SECURITY FEATURES INCLUDED. DETAILS ON BACK.

⑈173081⑈ ⑆211070175⑆ 1107824556⑈

Haley & Aldrich, Inc.

173081

Invoice #	Date	Gross Payment	Discount	Net payment
05-07-10	05/07/10	$230.00	$0.00	$230.00

State of New Jersey

Department of Environmental Protection
Division of Water Supply
Bureau of Water Systems and Well Permitting
401 East State Street – P.O. Box 426 Trenton, NJ 08625-0426
FAX# (609) 633-1231

WELL SEARCHES SUBMITTED INCOMPLETE WILL BE RETURNED FOR MORE INFORMATION

Radius Well Search Request Form

SEARCH IS NEEDED FOR:
- ☐ Aquifer Evaluation for a Water Allocation Permit Application
- ☐ SRP Biannual Re-certification
- ☒ Ground Water Contamination Evaluation
- ☐ Brownfields Redevelopment
- ☐ Other (Specify) _____

CHECK TYPE OF RADIUS SEARCH: ☐ ¼ Mile ☐ ½ Mile ☒ 1 Mile ☐ 2 Mile ☐ 5 Mile ☐ 10 Mile

REQUESTOR'S NAME: Christopher F. Schmitt / Haley & Aldrich, Inc.

ADDRESS/CITY/STATE/ZIP: 299 Cherry Hill Road, Suite 105, Parsippany, NJ 07054-1124

TELEPHONE #: 973.658.3904 FAX #: 973.658.3954

E-MAIL ADDRESS: CSchmitt@haleyaldrich.com

SITE LOCATION: Coordinates: Latitude 40 deg. 45 min. 16 sec. (accurate to one degree)
Longitude 74 deg. 01 min. 57 sec. (accurate to one deg.)

Municipality: Hoboken County: Hudson

Street Address: 14th Street and Adams Street

Manual Radius Well Searches (Wells are not Plotted)		
¼ Mile	$55.00	**Service Provided**
½ Mile	$115.00	A photocopy of Atlas sheet search area, all well records and logs or other information on file.
1 Mile	$230.00	
2 Mile	$430.00	
Computer Radius Well Searches (Wells are Plotted)		
5 Mile	$50.00*	A printout of 100,000 gpd diversions and reference information & atlas sheet scale showing locations. Map is ½ atlas sheet scale. * No charge if needed for a water allocation permit application
10 Mile	$50.00*	

NJDEP BWSWP USE ONLY

Date Received: _____ Approximate Expected Date to Be Completed: _____

Date Fee Requested: _____ Date Fee Paid: _____ Fee Amount: $ _____ Date Search Completed: _____

RADIUS WELL SEARCHES:

Radius Well Searches are most commonly performed for two reasons. The first is to determine wells that may be affected by an area of contamination. The second is as part of the requirement to modify or apply for a new water allocation permit. Please select from the list of manual radius well searches and/or computer radius well searches and then carefully follow the procedure for submission detailed below.

Radius searches may be performed in our office, using our database. To schedule an appointment please call (609) 984-6831. Have the Latitude and Longitude(degrees, minutes, seconds) ready so we may perform a "preliminary search".

MANUAL RADIUS WELL SEARCHES
(WELLS ARE NOT PLOTTED)

Radius	Price	Service Provided
¼ mile	$55	A photocopy of atlas sheet search area, all well records and logs or other information on file
½ mile	$115	
1 mile	$230	
2 mile	$430	

COMPUTER RADIUS WELL SEARCHES
(WELLS ARE PLOTTED)

5 mile	$50*	A printout of 100,000 gpd Diversions and reference info. & map of atlas sheet scale showing locations
10 mile	$50*	
		Map is ½ atlas sheet scale

*** No charge, if requested for water allocation permits**

PROCEDURE FOR SUBMISSION

1. **Written request on company letterhead with service requested, specified clearly (___ mile computer radius or ___ mile radius well search)**

2. **Check made payable to "Treasurer, State of New Jersey"**

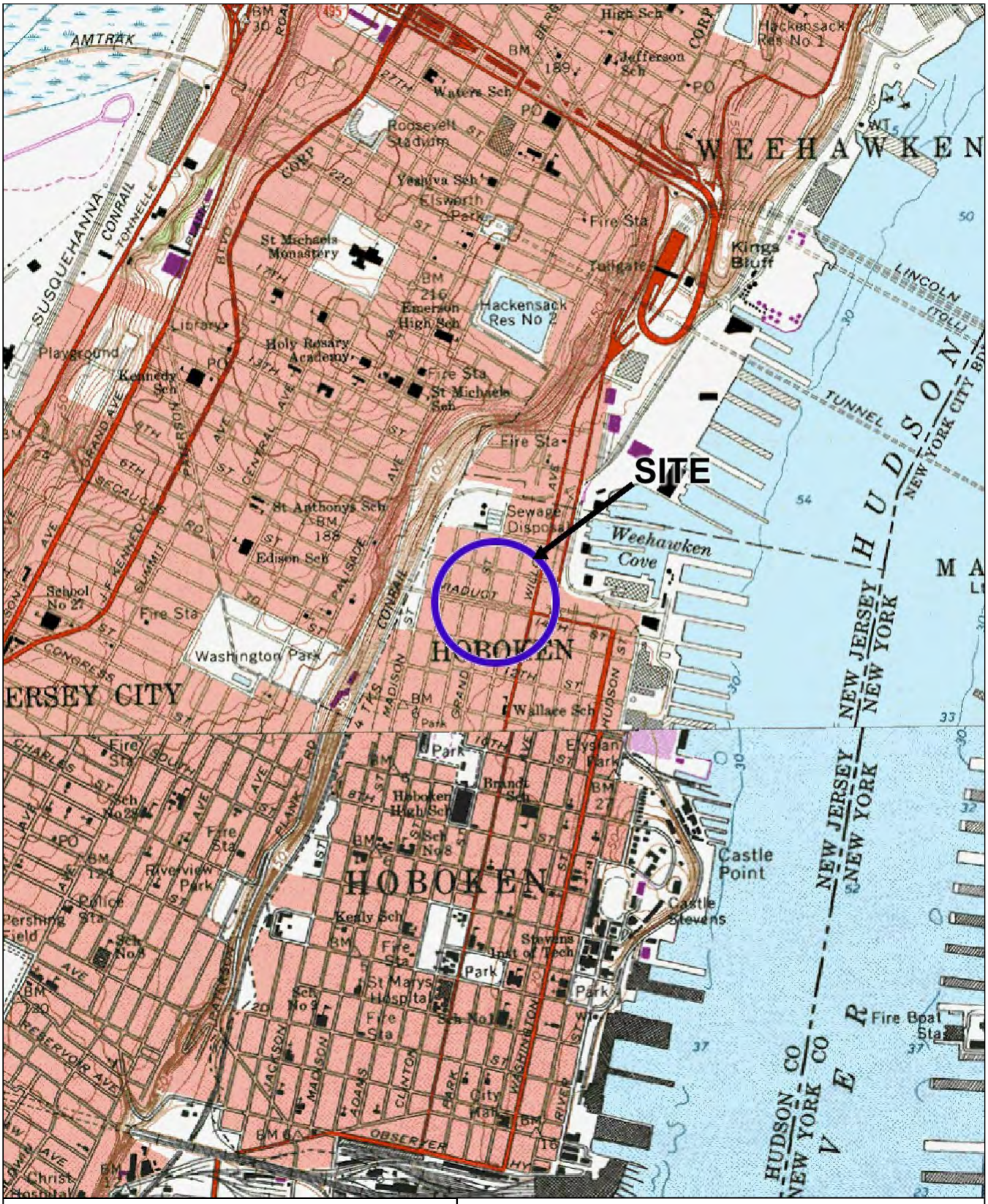
3. **Latitude and Longitude, in degrees, minutes, seconds, accurate to one second. <u>No State Plane Coordinates</u>.**

4. **Photocopy of a topo/quad map with the site identified (Atlas Sheet or USGS of letter size)**

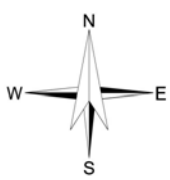
5. **Submit all above information to the following address:**

NJ Department of Environmental Protection
Bureau of Water Systems and Well Permitting
Radius Well Search Requests
PO Box 426
Trenton, NJ 08625-0426

***** Allow 4-8 weeks for receipt of completed well search. Requests will be returned if any of the information is incomplete or if latitude and longitude do not match the map. *****



SITE COORDINATES:40°45'16"N 74°1'52"W



U.S.G.S. QUADRANGLE: WEEHAWKEN, NJ

HALEY & ALDRICH

14TH STREET VIADUCT REPLACEMENT
14TH STREET FROM WILLOW AVE (HOBOKEN, NJ)
TO MANHATTAN AVE (UNION CITY, NJ)
NOBOKEN, NEW JERSEY

PROJECT LOCUS

SCALE: 1:24,000
MAY 2010

FIGURE 1

36059 1.PDF

The status of wells is not necessarily available for wells permitted prior to 2004. Authorized means the Permit was approved

Date Drilled and well depths are only available for wells that have had the well record submitted and entered into the database.

Well Permit numbers. After Sept 2008 the format of the well permit number was changed to accommodate the submission of online well permitting applications. The letter P (denotes a paper application) and E (denotes an electronic application) followed by the year and a consecutive number. Prior to September 2008 the permit numbers were based in the NJ Atlas Grid system.

Please note that this is NOT a Well Registry Report but a report on Well Permits issued by the Department and reflects the data provided in the permit and well record at the time of document submission and may not reflect the current information on lot and block, address or construction or ownership of the wells.

Well permits that were cancelled by the applicant (never constructed) or rescinded by the Department (prior to construction) are not displayed in the report.

Please note that if "REDACTED" appears in the report it means that the information is not available over the internet, but can be provided upon written request to the Bureau of Water Systems and Well Permitting.

Please refer to information available at:http://www.state.nj.us/dep/watersupply/well.htm for more information regarding detailed well searches if this report does not provide the information you need.

Well Type	Well Permit	Well Name	Permit Date	Drilling End Date	Status of well	Block	Lot	Municipality	County	Finished Depth	Units
Boring/Individual	2600032505	B-1	02/04/93	02/05/93	Authorized	260	1	Hoboken City	Hudson	42.00	ft
	2600032506	B-4	02/04/93	02/08/93	Authorized	260	1	Hoboken City	Hudson	40.00	ft
	2600032507	B-5	02/04/93	02/08/93	Authorized	260	1	Hoboken City	Hudson	42.00	ft
	2600032508	B-7	02/04/93	02/05/93	Authorized	260	1	Hoboken City	Hudson	30.00	ft
	2600032509	B-6	02/04/93	02/09/93	Authorized	260	1	Hoboken City	Hudson	41.00	ft
	2600034641	LB1	09/09/93	09/20/93	Decommissioned	235	1	Hoboken City	Hudson		
	2600034642	LB2	09/09/93	09/22/93	Decommissioned	235	1	Hoboken City	Hudson		
	2600034643	LB3	09/09/93	09/23/93	Decommissioned	235	1	Hoboken City	Hudson		

	2600035545	B-1	12/21/93	12/28/93	Authorized	1-30	140	Hoboken City	Hudson	96.00	ft
	2600035546	B-2	12/21/93	12/29/93	Authorized	1-30	140	Hoboken City	Hudson	76.00	ft
	2600036167	BH26	02/25/94	03/18/94	Decommissioned	105	1.1	Hoboken City	Hudson	33.00	ft
	2600036168	BH25	02/25/94	03/07/94	Decommissioned	25	2	Hoboken City	Hudson	74.00	ft
	2600037236	BH-23	06/15/94	06/27/94	Decommissioned	N/A	N/A	Hoboken City	Hudson	68.00	ft
	2600037237	BH-23A	06/15/94	06/26/94	Decommissioned	N/A	N/A	Hoboken City	Hudson	72.00	ft
	2600039563	BC40-11	02/10/95	03/23/95	Decommissioned	139	1.2	Hoboken City	Hudson	100.00	ft
	2600039564	BC40-12	02/10/95	04/03/95	Decommissioned	139	1.2	Hoboken City	Hudson	52.00	ft
	2600039566	BC40-14	02/10/95	04/05/95	Decommissioned	139	1.2	Hoboken City	Hudson	52.00	ft
	2600040160	BC40-10	03/22/95	03/31/95	Decommissioned	19	A11	Hoboken City	Hudson	49.00	ft
	2600040557	NA-06	05/05/95	05/23/95	Decommissioned	231	3	Hoboken City	Hudson	28.00	ft
	2600040561	NA-01	05/05/95	05/23/95	Decommissioned	257	01	Hoboken City	Hudson	9.00	ft
	2600041381	BC40-16W	07/19/95	11/07/95	Decommissioned	N/A	N/A	Hoboken City	Hudson	41.00	ft
	2600041458	B-1	07/26/95	09/14/95	Decommissioned	139	3	Hoboken City	Hudson	125.00	ft
	2600041459	B-2U	07/26/95	09/15/95	Decommissioned	139	3	Hoboken City	Hudson	97.00	ft
	2600041463	B-1	07/26/95	08/04/95	Authorized	89	12-16,17	Hoboken City	Hudson		
	2600041464	B-2	07/26/95	08/14/95	Authorized	89	12-16,17	Hoboken City	Hudson		
	2600042382	B-113	10/13/95	10/19/95	Decommissioned	262	1	Hoboken City	Hudson	84.00	ft
	2600042800	B-3	11/13/95	04/30/96	Authorized	151	1-6.2	Hoboken City	Hudson		
	2600042801	B-4	11/13/95	04/30/96	Authorized	151	1-6.2	Hoboken City	Hudson		
	2600042802	B-5	11/13/95	05/01/96	Authorized	151	1-6.2	Hoboken City	Hudson		
	2600042803	B-6	11/13/95	05/03/96	Authorized	151	1-6.2	Hoboken City	Hudson		
	2600042805	B-2	11/13/95	04/29/96	Authorized	156	6	Hoboken City	Hudson		
	2600043438	B - 9	02/01/96	02/08/96	Authorized	233	1 & 2	Hoboken City	Hudson	48.00	ft
	2600043439	B-11	02/01/96	02/08/96	Authorized	233	1 & 2	Hoboken City	Hudson	18.00	ft
	2600043778	BN10-06	03/11/96	04/19/96	Decommissioned	NA	NA	Hoboken City	Hudson		
	2600044702	# 1	06/10/96	06/11/96	Decommissioned	176	7,A-D	Hoboken City	Hudson	55.00	ft
	2600044703	# 2	06/10/96	06/12/96	Decommissioned	176	7,A-D	Hoboken City	Hudson	57.00	ft
	2600045123	B96-9	07/22/96	08/16/96	Decommissioned	139	3	Hoboken City	Hudson		
	2600046682	M-26	01/23/97	02/04/97	Authorized	268	1,2.1	Hoboken City	Hudson		
	2600047170	B-5	04/01/97	04/15/97	Decommissioned	27	14THRU19	Hoboken City	Hudson		
	2600048029	B-306	07/10/97	08/07/97	Authorized	D	6	Hoboken City	Hudson	70.00	ft
	2600050328	B2,3	03/24/98	04/06/98	Authorized	115	1-8,20-3	Hoboken City	Hudson	32.00	ft
	2600051027	B1	05/27/98	06/10/98	Authorized	175	1,24.2/25	Hoboken City	Hudson	66.00	ft
	2600053197	B-16	03/02/99	03/30/99	Authorized	52	2,4,5	Hoboken City	Hudson	107.00	ft
	2600053925	B-1	05/05/99	05/12/99	Authorized	82	11,12	Hoboken City	Hudson	77.00	ft
	2600054192	B-1	06/04/99	06/22/99	Decommissioned	17	33	Hoboken City	Hudson	62.00	ft

	2600055647	SB-1	10/25/99	11/03/99	Decommissioned	85	14	Hoboken City	Hudson	51.00	ft
	2600056669	B-412A	02/17/00	02/25/00	Decommissioned	231	3	Hoboken City	Hudson	100.00	ft
	2600056776	B-5	03/07/00	05/16/00	Decommissioned	N/A	N/A	Hoboken City	Hudson	76.00	ft
	2600056866	BLANKET	03/14/00	05/22/00	Authorized	N/A	N/A	Hoboken City	Hudson	41.00	ft
	2600056990	DB2	03/29/00	04/04/00	Authorized	110	1	Hoboken City	Hudson	42.00	ft
	2600057518	B-2	05/05/00	05/12/00	Authorized	47	14,15,16	Hoboken City	Hudson	69.00	ft
	2600057885	B-3	06/14/00	07/07/00	Authorized	222	3	Hoboken City	Hudson	37.00	ft
	2600057886	B-2	06/14/00	06/27/00	Authorized	268	2.2	Hoboken City	Hudson	40.00	ft
	2600057977	B-3	06/26/00	07/25/00	Decommissioned	235	1	Hoboken City	Hudson	41.00	ft
	2600058072	B-2	07/06/00	07/11/00	Decommissioned	N/A	N/A	Hoboken City	Hudson	45.00	ft
	2600058073	B-7	07/06/00	07/10/00	Decommissioned	N/A	N/A	Hoboken City	Hudson	50.00	ft
	2600058340	GB-1	08/03/00	08/18/00	Authorized	NA	NA	Hoboken City	Hudson	92.00	ft
	2600058374	B-1	08/07/00	08/21/00	Decommissioned	77	31 & 32	Hoboken City	Hudson	37.00	ft
	2600058375	B-2	08/07/00	08/21/00	Decommissioned	77	31 & 32	Hoboken City	Hudson	40.00	ft
	2600058969	R-1	09/22/00	10/10/00	Decommissioned	19	A3	Hoboken City	Hudson	46.00	ft
	2600058970	R-2	09/22/00	10/10/00	Decommissioned	19	A3	Hoboken City	Hudson	45.00	ft
	2600059975	B-1	12/19/00	12/21/00	Decommissioned	N/A	N/A	Hoboken City	Hudson	52.00	ft
	2600059985	B-504	12/21/00	01/25/01	Authorized	262.5	1	Hoboken City	Hudson	66.00	ft
	2600060833	SB16	04/05/01	04/16/01	Decommissioned	110	1	Hoboken City	Hudson	34.00	ft
	2600061142	PSS-8	04/18/01	05/01/01	Decommissioned	235	1	Hoboken City	Hudson	36.00	ft
	2600063706	B-1	02/21/02	03/15/02	Decommissioned	96	1	Hoboken City	Hudson	42.00	ft
	2600067041	MP-2	02/14/03	02/28/03	Authorized	139	113	Hoboken City	Hudson	163.50	ft
	2600067816		05/06/03		Authorized	N/A	N/A	Hoboken City	Hudson		
	2600067817		05/06/03		Authorized	N/A	N/A	Hoboken City	Hudson		
	2600067818		05/06/03		Authorized	N/A	N/A	Hoboken City	Hudson		
	2600067819		05/06/03		Authorized	N/A	N/A	Hoboken City	Hudson		
	2600067820		05/06/03		Authorized	N/A	N/A	Hoboken City	Hudson		
	2600067821		05/06/03		Authorized	N/A	N/A	Hoboken City	Hudson		
	2600068164	1	06/06/03	06/11/04	Authorized	NA	NA	Hoboken City	Hudson	115.70	ft
	2600068165	2	06/06/03	06/12/04	Authorized	NA	NA	Hoboken City	Hudson	120.00	ft
	2600068166	3	06/06/03	06/14/04	Authorized	NA	NA	Hoboken City	Hudson	117.00	ft
	2600068167	4	06/06/03	06/17/04	Authorized	NA	NA	Hoboken City	Hudson	120.00	ft
	2600068168	5	06/06/03	06/19/04	Authorized	NA	NA	Hoboken City	Hudson	126.60	ft
	2600068169	6	06/06/03	06/21/04	Authorized	NA	NA	Hoboken City	Hudson	127.90	ft
	2600069918	B-101	12/04/03	12/11/03	Authorized	261-1	1	Hoboken City	Hudson	150.00	ft
	2600070109		01/15/04		Authorized	83	17-18	Hoboken City	Hudson		
	2600070110	3	01/15/04	01/27/04	Authorized	83	17-18	Hoboken City	Hudson	81.17	ft

	2600070111	1	01/15/04	01/25/04	Authorized	83	17-18	Hoboken City	Hudson	116.17	ft
	2600070112	2	01/15/04	01/26/04	Authorized	83	17-18	Hoboken City	Hudson	106.17	ft
	2600070983	5	04/13/04	04/22/04	Authorized	73	18-19	Hoboken City	Hudson	46.17	ft
	2600070984	4	04/13/04	04/21/04	Authorized	73	18-19	Hoboken City	Hudson	65.17	ft
	2600070985	3	04/13/04	04/20/04	Authorized	73	18-19	Hoboken City	Hudson	71.17	ft
	2600070986	2	04/13/04	04/19/04	Authorized	73	18-19	Hoboken City	Hudson	76.30	ft
	2600070987	1	04/13/04	04/16/04	Authorized	73	18-19	Hoboken City	Hudson	81.80	ft
	2600071417	B-1	06/10/04	06/14/04	Authorized	34	9.2	Hoboken City	Hudson	65.00	ft
	2600071770	MS-1	07/26/04	09/20/04	Authorized	N/A	N/A	Hoboken City	Hudson	80.00	ft
	2600071771	MS-2	07/26/04	09/21/04	Authorized	N/A	N/A	Hoboken City	Hudson	80.00	ft
	2600071845	B-1	07/29/04	08/27/04	Authorized	267, 269.4	1	Hoboken City	Hudson	67.00	ft
	2600071846	B-2	07/29/04	08/27/04	Authorized	267, 269.4	1	Hoboken City	Hudson	67.00	ft
	2600071847	B-3	07/29/04	08/26/04	Authorized	267, 269.4	1	Hoboken City	Hudson	66.00	ft
	2600071848	B-4	07/29/04	08/13/04	Authorized	267, 269.4	1	Hoboken City	Hudson	72.00	ft
	2600071849	B-5	07/29/04	08/19/04	Authorized	267, 269.4	1	Hoboken City	Hudson	71.00	ft
	2600071850	B-6	07/29/04	08/21/04	Authorized	267, 269.4	1	Hoboken City	Hudson	55.00	ft
	2600071851	B-7	07/29/04	08/20/04	Authorized	267, 269.4	1	Hoboken City	Hudson	70.00	ft
	2600071852	B-8	07/29/04	08/25/04	Authorized	267, 269.4	1	Hoboken City	Hudson	60.00	ft
	2600071853	B-9	07/29/04	08/25/04	Authorized	267, 269.4	1	Hoboken City	Hudson	60.00	ft
	2600072139		08/31/04		Authorized	7	196-18B	Hoboken City	Hudson		
	2600072140		08/31/04		Authorized	7	196-18B	Hoboken City	Hudson		
	2600072781	B-1	10/29/04	11/18/04	Authorized	126	1	Hoboken City	Hudson	35.00	ft
	2600072782	B-2	10/29/04	11/17/04	Authorized	255	1	Hoboken City	Hudson	60.00	ft
	2600072783	B-3	10/29/04	11/19/04	Authorized	255	1	Hoboken City	Hudson	27.00	ft
	2600073831		02/16/05		Authorized	210	1-6, 26-29	Hoboken City	Hudson		
	2600073832		02/16/05		Authorized	210	1-6, 26-29	Hoboken City	Hudson		
	2600073833		02/16/05		Authorized	210	1-6, 26-29	Hoboken City	Hudson		
	2600073834		02/16/05		Authorized	210	1-6, 26-29	Hoboken City	Hudson		
	2600073835		02/16/05		Authorized	210	1-6, 26-29	Hoboken City	Hudson		
	2600075818	B-1	07/13/05	08/02/05	Authorized	76	25	Hoboken City	Hudson	50.70	ft
	2600075819	B-2	07/13/05	08/01/05	Authorized	76	25	Hoboken City	Hudson	56.50	ft
	2600075820	B-1	07/13/05	08/03/05	Authorized	46	19	Hoboken City	Hudson	90.00	ft
	2600075821	B-2	07/13/05	08/04/05	Authorized	46	19	Hoboken City	Hudson	83.00	ft
	2600076890		09/28/05		Authorized	87	1.01	Hoboken City	Hudson		
	2600077200	1	10/12/05	10/20/05	Authorized	78	10	Hoboken City	Hudson	53.50	ft
	2600077201		10/12/05		Authorized	78	10	Hoboken City	Hudson		
	2600077202		10/12/05		Authorized	78	10	Hoboken City	Hudson		

	2600077203		10/12/05		Authorized	78	10	Hoboken City	Hudson		
	2600077204		10/12/05		Authorized	78	10	Hoboken City	Hudson		
	2600077791	B-2	12/02/05	12/15/05	Authorized	92	1.1 & 1.11	Hoboken City	Hudson	55.00	ft
	2600077792		12/02/05		Authorized	92	1.1 & 1.11	Hoboken City	Hudson		
	2600077793		12/02/05		Authorized	92	1.1 & 1.11	Hoboken City	Hudson		
	2600077794		12/02/05		Authorized	92	1.1 & 1.11	Hoboken City	Hudson		
	2600078198	MW-100	01/24/06	02/06/06	Authorized	134	3.2	Hoboken City	Hudson	55.00	ft
	2600078558		03/01/06		Authorized	38	1	Hoboken City	Hudson		
	2600078559		03/01/06		Authorized	38	1	Hoboken City	Hudson		
	2600079104	B-1	05/01/06	05/05/06	Authorized	26	14,15,16	Hoboken City	Hudson	71.00	ft
	2600079105	B-2	05/01/06	05/05/06	Authorized	26	14,15,16	Hoboken City	Hudson	71.50	ft
	2600079106	B-3	05/01/06	05/05/06	Authorized	26	14,15,16	Hoboken City	Hudson	77.00	ft
	2600079152	CE-3	05/04/06	08/01/06	Authorized	256	7	Hoboken City	Hudson	145.00	ft
	2600082294		02/07/07		Authorized	87	1.01	Hoboken City	Hudson		
	2600082295		02/07/07		Authorized	87	1.01	Hoboken City	Hudson		
	2600082603	B101	03/06/07	03/26/07	Authorized	93	1-7, 26-32	Hoboken City	Hudson	97.00	ft
	2600082604	B102	03/06/07	03/28/07	Authorized	93	1-7, 26-32	Hoboken City	Hudson	93.00	ft
	2600082605	B-103	03/06/07	03/29/07	Authorized	93	1-7, 26-32	Hoboken City	Hudson	69.00	ft
	2600082606	B104	03/06/07	03/30/07	Authorized	93	1-7, 26-32	Hoboken City	Hudson	50.00	ft
	2600082798	B-1	03/21/07	04/03/07	Authorized	81	1,2,33,34	Hoboken City	Hudson	94.50	ft
	2600082799	B-2	03/21/07	04/09/07	Authorized	81	1,2,33,34	Hoboken City	Hudson	97.50	ft
	2600082800	B-3	03/21/07	03/28/07	Authorized	81	1,2,33,34	Hoboken City	Hudson	114.00	ft
	2600082801	B-4	03/21/07	03/30/07	Authorized	81	1,2,33,34	Hoboken City	Hudson	100.08	ft
	2600082802	B-5	03/21/07	04/02/07	Authorized	81	1,2,33,34	Hoboken City	Hudson	92.08	ft
	2600082803	B-6	03/21/07	04/05/07	Authorized	81	1,2,33,34	Hoboken City	Hudson	107.00	ft
	2600082804	B-7	03/21/07	04/06/07	Authorized	81	1,2,33,34	Hoboken City	Hudson	95.00	ft
	2600082805	B-8	03/21/07	04/10/07	Authorized	81	1,2,33,34	Hoboken City	Hudson	107.50	ft
	2600083160	PE-222	04/17/07	04/24/07	Authorized	2-142	1-6	Hoboken City	Hudson	201.50	ft
	2600083161	PE-223	04/17/07	05/15/07	Authorized	2-142	1-6	Hoboken City	Hudson	193.00	ft
	2600083363		05/02/07		Authorized	2	7,10	Hoboken City	Hudson		
	2600083364		05/02/07		Authorized	2	7,10	Hoboken City	Hudson		
	2600083524		05/16/07		Authorized	98	1-32	Hoboken City	Hudson		
	2600083525		05/16/07		Authorized	98	1-32	Hoboken City	Hudson		
	2600083526		05/16/07		Authorized	98	1-32	Hoboken City	Hudson		
	2600083527		05/16/07		Authorized	98	1-32	Hoboken City	Hudson		
	2600083887	B-4	06/13/07	06/18/07	Authorized	263.2	1	Hoboken City	Hudson	41.80	ft
	2600084097	B-1	07/02/07	07/25/07	Authorized	264.0	3.1	Hoboken City	Hudson	60.00	ft

	2600084098	B-2	07/02/07	07/31/07	Authorized	264.0	3.1	Hoboken City	Hudson	37.00	ft
	2600084099	B-3	07/02/07	07/26/07	Authorized	264.0	3.1	Hoboken City	Hudson	55.00	ft
	2600084100	B-4	07/02/07	07/31/07	Authorized	264.0	3.1	Hoboken City	Hudson	65.00	ft
	2600084101	B-7	07/02/07	07/30/07	Authorized	264.0	3.1	Hoboken City	Hudson	55.00	ft
	2600084102	B-6	07/02/07	07/26/07	Authorized	264.0	3.1	Hoboken City	Hudson	60.00	ft
	2600084197	SCPT-01	07/09/07	07/26/07	Authorized	95	11,16	Hoboken City	Hudson	63.32	ft
	2600084198	SCPT-02	07/09/07	07/26/07	Authorized	95	11,16	Hoboken City	Hudson	87.93	ft
	2600084223	B-1	07/10/07	08/01/07	Decommissioned	95	11-16	Hoboken City	Hudson	97.00	ft
	2600084224	B-2	07/10/07	07/30/07	Decommissioned	95	11-16	Hoboken City	Hudson	85.00	ft
	2600084423	B-1	07/26/07	07/30/07	Authorized	53	2	Hoboken City	Hudson	60.00	ft
	2600084424	B-2	07/26/07	07/31/07	Authorized	53	2	Hoboken City	Hudson	50.60	ft
	2600084425	B-5	07/26/07	08/06/07	Authorized	53	2	Hoboken City	Hudson	52.00	ft
	2600084426	B-6	07/26/07	08/08/07	Authorized	53	2	Hoboken City	Hudson	40.20	ft
	2600084427	B-7	07/26/07	08/13/07	Authorized	53	2	Hoboken City	Hudson	85.00	ft
	2600085406	B-1	10/23/07	01/31/08	Decommissioned	125	10	Hoboken City	Hudson	70.00	ft
	2600085407	B-3	10/23/07	02/04/08	Decommissioned	ROW	ROW	Hoboken City	Hudson	52.00	ft
	2600085508		11/07/07		Authorized	114	13 & 20	Hoboken City	Hudson		
	2600085509		11/07/07		Authorized	114	13 & 20	Hoboken City	Hudson		
	2600085709	SB-3	11/20/07	11/21/07	Decommissioned	126	3,4,7.01	Hoboken City	Hudson	60.30	ft
	2600085710		11/20/07		Authorized	126	3,4,7.01	Hoboken City	Hudson		
	2600085711		11/20/07		Authorized	126	3,4,7.01	Hoboken City	Hudson		
	2600086002	CPT-1	12/28/07	01/03/08	Decommissioned	114	12.22	Hoboken City	Hudson	56.27	ft
	2600086003	CPT-2	12/28/07	01/03/08	Decommissioned	114	12.22	Hoboken City	Hudson	88.58	ft
	2600086406	B-1	02/05/08	03/03/08	Decommissioned	70	10	Hoboken City	Hudson	67.00	ft
	2600086407	B-2	02/05/08	03/04/08	Decommissioned	70	10	Hoboken City	Hudson	70.17	ft
	2600087478	EPE-NJ-013	05/15/08	05/21/08	Decommissioned	143	1 & 2	Hoboken City	Hudson	127.00	ft
	2600087479		05/15/08		Authorized	143	1 & 2	Hoboken City	Hudson		
	2600087503		05/22/08		Authorized	ROW	ROW	Hoboken City	Hudson		
	2600087504		05/22/08		Authorized	ROW	ROW	Hoboken City	Hudson		
	2600087505		05/22/08		Authorized	ROW	ROW	Hoboken City	Hudson		
	2600087506	EPE-NJ-018	05/22/08	07/03/08	Decommissioned	ROW	ROW	Hoboken City	Hudson	160.00	ft
	2600087957		06/27/08		Authorized	259	1	Hoboken City	Hudson		
	2600087958		06/27/08		Authorized	259	1	Hoboken City	Hudson		
	2600087959		06/27/08		Authorized	259	1	Hoboken City	Hudson		
	P200800512	CPT-01	09/18/08	09/30/08	Decommissioned	114	20, 25	Hoboken City	Hudson	58.73	ft
	P200800513	CPT-02	09/18/08	09/30/08	Decommissioned	114	20, 25	Hoboken City	Hudson	54.79	ft
	P200800514		09/18/08		Proposed	114	22	Hoboken City	Hudson		

	P200801044	EPE-NJ-022	09/30/08	10/29/08	Decommissioned	ROW	ROW	Hoboken City	Hudson	128.00	ft
	P200801045	EPE-NJ-023	09/30/08	11/03/08	Decommissioned	ROW	ROW	Hoboken City	Hudson	125.00	ft
	P200801046	EPE-NJ-024	09/30/08	10/24/08	Decommissioned	ROW	ROW	Hoboken City	Hudson	115.00	ft
	P200801047	EPE-NJ-025	09/30/08	10/22/08	Decommissioned	ROW	ROW	Hoboken City	Hudson	127.00	ft
	P200802214	CPT-01	10/22/08	12/01/08	Decommissioned	114	18	Hoboken City	Hudson	52.16	ft
	P200906779	DR-1	06/04/09	06/17/09	Decommissioned	116	1.2	Hoboken City	Hudson	48.00	ft
	P200906780	DR-2	06/04/09	06/15/09	Decommissioned	116	1.2	Hoboken City	Hudson	62.00	ft
	P200906781	DR-3	06/04/09	06/16/09	Decommissioned	116	1.2	Hoboken City	Hudson	54.00	ft
	P200906782	DR-4	06/04/09	06/22/09	Decommissioned	116	1.2	Hoboken City	Hudson	62.00	ft
	P200906783	DR-5	06/04/09	06/22/09	Decommissioned	116	1.2	Hoboken City	Hudson	42.00	ft
	P200906784		06/04/09		Proposed	116	1.2	Hoboken City	Hudson		
	P200907784	DR-7	06/25/09	06/26/09	Decommissioned	116	1.2	Hoboken City	Hudson	41.00	ft
	P200907785	DR-8	06/25/09	06/28/09	Decommissioned	116	1.2	Hoboken City	Hudson	50.00	ft
	P200907786	DR-9	06/25/09	06/26/09	Decommissioned	116	1.2	Hoboken City	Hudson	70.00	ft
	P200907787	DR-10	06/25/09	06/29/09	Decommissioned	116	1.2	Hoboken City	Hudson	64.00	ft
Total Number	**208**										
Well Type	**Well Permit**	**Well Name**	**Permit Date**	**Drilling End Date**	**Status of well**	**Block**	**Lot**	**Municipality**	**County**	**Finished Depth**	**Units**
Boring/Site Wide	2600031085	B1-B12	10/06/92		Authorized	225	1	Hoboken City	Hudson		
	2600067480		04/07/03		Authorized	N/A	N/A	Hoboken City	Hudson		
	2600070250	B3	02/09/04	03/05/04	Authorized	87	1-12, 21-32	Hoboken City	Hudson	114.00	ft
	2600071169	B-1 THROUGH B-16	05/11/04	05/17/04	Authorized	262.2	1	Hoboken City	Hudson	68.00	ft
	2600072644		10/15/04		Authorized	87	1-12, 21-32	Hoboken City	Hudson		
	2600074369	B-2	04/05/05	04/21/05	Authorized	99	1-30, 31.1, 31.2 & 32	Hoboken City	Hudson	77.00	ft
	2600074682	CPT-4	04/20/05	04/25/05	Authorized	99	1-30,31.1,31.2,32	Hoboken City	Hudson	795.60	ft
	2600076256	LB-3	08/02/05	08/19/05	Authorized	261	1	Hoboken City	Hudson	80.00	ft
	2600076785		09/20/05		Authorized	86	5-16	Hoboken City	Hudson		
	2600078682		03/14/06		Authorized	88	1 THRU 32	Hoboken City	Hudson		
	2600078686	7	03/14/06	03/23/06	Authorized	88	1 THRU 32	Hoboken City	Hudson	125.00	ft
	2600082538	BLANKET	03/01/07	05/30/07	Authorized	NA	NA	Hoboken City	Hudson	179.10	ft
	2600082617	CPT-02	03/06/07	03/21/07	Authorized	93	1-7, 26-32	Hoboken City	Hudson	103.84	ft
	2600082839		03/22/07		Authorized	110	1	Hoboken City	Hudson		
	2600083665	LB-4	05/30/07	06/28/07	Authorized	01	261	Hoboken City	Hudson	80.00	ft
	2600084147	BLANKET	07/05/07	08/22/07	Decommissioned	231.3	1 & 2	Hoboken City	Hudson	85.00	ft
	2600086904	NLB-3	03/17/08	04/03/08	Decommissioned	01	261	Hoboken City	Hudson	70.00	ft

	P200905866	B-108	05/13/09	06/16/09	Decommissioned	ROW	ROW	Hoboken City	Hudson	115.00	ft
Total Number	**18**										
Well Type	**Well Permit**	**Well Name**	**Permit Date**	**Drilling End Date**	**Status of well**	**Block**	**Lot**	**Municipality**	**County**	**Finished Depth**	**Units**
Closed Loop Geothermal	2600071075	B-1	04/29/04	05/14/04	Authorized	87	30	Hoboken City	Hudson	114.00	ft
Total Number	**1**										
Well Type	**Well Permit**	**Well Name**	**Permit Date**	**Drilling End Date**	**Status of well**	**Block**	**Lot**	**Municipality**	**County**	**Finished Depth**	**Units**
Inclinometer	2600077876	CS-11	12/15/05	12/20/05	Authorized	99	9 & 10	Hoboken City	Hudson	107.00	ft
	2600077877	CS1A1	12/15/05		Authorized	99	9 & 10	Hoboken City	Hudson		
	2600083100	CS-1	04/10/07	04/25/07	Authorized	269.3	1	Hoboken City	Hudson	65.00	ft
	2600083101	CS-2	04/10/07	04/24/07	Authorized	269.3	1	Hoboken City	Hudson	65.00	ft
	2600083102	CS-3	04/10/07	04/30/07	Authorized	269.2	1	Hoboken City	Hudson	55.00	ft
	2600083103	CS-4	04/10/07	05/01/07	Authorized	269.2	1	Hoboken City	Hudson	55.00	ft
	2600084148	M-10A	07/05/07	09/17/07	Authorized	231.3	1 & 2	Hoboken City	Hudson	102.50	ft
	2600084149	M-12	07/05/07	08/11/07	Authorized	231.3	1 & 2	Hoboken City	Hudson	95.00	ft
Total Number	**8**										
Well Type	**Well Permit**	**Well Name**	**Permit Date**	**Drilling End Date**	**Status of well**	**Block**	**Lot**	**Municipality**	**County**	**Finished Depth**	**Units**
Injection	2600074015	SP-1	02/25/05	03/16/05	Authorized	131	1	Hoboken City	Hudson	10.00	ft
	2600074016	SP-2	02/25/05	03/16/05	Authorized	131	1	Hoboken City	Hudson	10.00	ft
	2600076141	DIP-1	07/28/05	09/08/05	Authorized	87	1-12 & 21-32	Hoboken City	Hudson	33.00	ft
	2600076142	DIP-2	07/28/05	09/08/05	Authorized	87	1-12 & 21-32	Hoboken City	Hudson	33.00	ft
	2600076143	DIP-3	07/28/05	09/08/05	Authorized	87	1-12 & 21-32	Hoboken City	Hudson	33.00	ft
	2600076144	DIP-4	07/28/05	09/08/05	Authorized	87	1-12 & 21-32	Hoboken City	Hudson	33.00	ft
	2600076145	DIP-5	07/28/05	09/08/05	Authorized	87	1-12 & 21-32	Hoboken City	Hudson	33.00	ft
	2600076146	DIP-6	07/28/05	09/08/05	Authorized	87	1-12 & 21-32	Hoboken City	Hudson	33.00	ft
	2600076147	DIP-8	07/28/05	09/08/05	Authorized	87	1-12 & 21-32	Hoboken City	Hudson	33.00	ft
	2600076148	DIP-7	07/28/05	09/09/05	Authorized	87	1-12 & 21-32	Hoboken City	Hudson	33.00	ft
	2600076149	DIP-9	07/28/05	09/07/05	Authorized	87	1-12 & 21-32	Hoboken City	Hudson	33.00	ft
							1-12 & 21-				

	2600076150	DIP-10	07/28/05	09/07/05	Authorized	87	32	Hoboken City	Hudson	33.00	ft
	2600076151	DIP-11	07/28/05	09/07/05	Authorized	87	1-12 & 21-32	Hoboken City	Hudson	33.00	ft
	2600076152	DIP-14	07/28/05	09/07/05	Authorized	87	1-12 & 21-32	Hoboken City	Hudson	32.00	ft
	2600076153	DIP-15	07/28/05	09/06/05	Authorized	87	1-12 & 21-32	Hoboken City	Hudson	33.00	ft
	2600076154	DIP-12	07/28/05	09/09/05	Authorized	87	1-12 & 21-32	Hoboken City	Hudson	32.00	ft
	2600076155	DIP-13	07/28/05	09/09/05	Authorized	87	1-12 & 21-32	Hoboken City	Hudson	32.00	ft
	2600076156	DIP-18	07/28/05	09/20/05	Authorized	87	1-12 & 21-32	Hoboken City	Hudson	32.00	ft
	2600076157	DIP-17	07/28/05	09/20/05	Authorized	87	1-12 & 21-32	Hoboken City	Hudson	33.00	ft
	2600076158		07/28/05		Authorized	87	1-12 & 21-32	Hoboken City	Hudson		
	2600076159	DIP-21	07/28/05	09/08/05	Authorized	87	1-12 & 21-32	Hoboken City	Hudson	33.00	ft
	2600076160	DIP-22	07/28/05	09/06/05	Authorized	87	1-12 & 21-32	Hoboken City	Hudson	32.00	ft
	2600076161	DIP-23	07/28/05	09/06/05	Authorized	87	1-12 & 21-32	Hoboken City	Hudson	32.00	ft
	2600076162	DIP-24	07/28/05	09/06/05	Authorized	87	1-12 & 21-32	Hoboken City	Hudson	32.00	ft
	2600076163	DIP-25	07/28/05	09/07/05	Authorized	87	1-12 & 21-32	Hoboken City	Hudson	33.00	ft
	2600076164	DIP-19	07/28/05	09/21/05	Authorized	87	1-12 & 21-32	Hoboken City	Hudson	33.00	ft
	2600076165	DIP-20	07/28/05	09/22/05	Authorized	87	1-12 & 21-32	Hoboken City	Hudson	33.00	ft
	2600076166	DIP-26	07/28/05	09/21/05	Authorized	87	1-12 & 21-32	Hoboken City	Hudson	34.00	ft
	2600076167	DIP-27	07/28/05	07/21/05	Authorized	87	1-12 & 21-32	Hoboken City	Hudson	34.50	ft
	2600076184	SIP-1	08/01/05	09/06/05	Authorized	87	1-12 & 21-32	Hoboken City	Hudson	22.00	ft
	2600076185	SIP-2	08/01/05	09/06/05	Authorized	87	1-12 & 21-32	Hoboken City	Hudson	23.00	ft
	2600076186	SIP-3	08/01/05	09/06/05	Authorized	87	1-12 & 21-32	Hoboken City	Hudson	22.00	ft
	2600076187	SIP-4	08/01/05	09/06/05	Authorized	87	1-12 & 21-32	Hoboken City	Hudson	22.00	ft
	2600076188	SIP-5	08/01/05	09/07/05	Authorized	87	1-12 & 21-32	Hoboken City	Hudson	23.00	ft
	2600076189	SIP-6	08/01/05	09/07/05	Authorized	87	1-12 & 21-32	Hoboken City	Hudson	22.00	ft
	2600076190	SIP-7	08/01/05	09/07/05	Authorized	87	1-12 & 21-32	Hoboken City	Hudson	22.00	ft
	2600076191	SIP-8	08/01/05	09/07/05	Authorized	87	1-12 & 21-32	Hoboken City	Hudson	23.00	ft
	2600076192	SIP-17	08/01/05	09/10/05	Authorized	87	1-12 & 21-32	Hoboken City	Hudson	23.00	ft
	2600076193	SIP-18	08/01/05	09/10/05	Authorized	87	1-12 & 21-32	Hoboken City	Hudson	23.00	ft
	2600076194	SIP-22	08/01/05	09/03/05	Authorized	87	1-12 & 21-32	Hoboken City	Hudson	22.00	ft
	2600076195	SIP-33	08/01/05	09/10/05	Authorized	87	1-12 & 21-32	Hoboken City	Hudson	22.00	ft
							1-12 & 21-				

	2600076196		08/01/05		Authorized	87	32	Hoboken City	Hudson		
	2600076197		08/01/05		Authorized	87	1-12 & 21-32	Hoboken City	Hudson		
	2600076198		08/01/05		Authorized	87	1-12 & 21-32	Hoboken City	Hudson		
	2600076199	SIP-9	08/01/05	09/07/05	Authorized	87	1-12 & 21-32	Hoboken City	Hudson	22.00	ft
	2600076200	SIP-10	08/01/05	09/08/05	Authorized	87	1-12 & 21-32	Hoboken City	Hudson	23.00	ft
	2600076201	SIP-11	08/01/05	09/08/05	Authorized	87	1-12 & 21-32	Hoboken City	Hudson	24.00	ft
	2600076202	SIP-12	08/01/05	09/09/05	Authorized	87	1-12 & 21-32	Hoboken City	Hudson	23.00	ft
	2600076203	SIP-13	08/01/05	09/09/05	Authorized	87	1-12 & 21-32	Hoboken City	Hudson	23.00	ft
	2600076204	SIP-14	08/01/05	09/09/05	Authorized	87	1-12 & 21-32	Hoboken City	Hudson	23.00	ft
	2600076205	SIP-15	08/01/05	09/09/05	Authorized	87	1-12 & 21-32	Hoboken City	Hudson	23.00	ft
	2600076206	SIP-16	08/01/05	09/09/05	Authorized	87	1-12 & 21-32	Hoboken City	Hudson	23.00	ft
	2600081090	TPE-32	10/16/06	11/08/06	Authorized	131	1	Hoboken City	Hudson	15.00	ft
	2600081091	TPE-33	10/16/06	11/08/06	Authorized	131	1	Hoboken City	Hudson	15.00	ft
	2600081092	TPE-34	10/16/06	11/08/06	Authorized	131	1	Hoboken City	Hudson	15.00	ft
	2600081093	TPE-36	10/16/06	11/08/06	Authorized	131	1	Hoboken City	Hudson	15.00	ft
	2600081094	TPE-31	10/16/06	11/22/06	Authorized	131	1	Hoboken City	Hudson	15.00	ft
	2600081095	TPE-37	10/16/06	11/22/06	Authorized	131	1	Hoboken City	Hudson	15.00	ft
	2600081096	TPE-38	10/16/06	11/22/06	Authorized	131	1	Hoboken City	Hudson	15.00	ft
	2600081097	TPE-39	10/16/06	11/22/06	Authorized	131	1	Hoboken City	Hudson	15.00	ft
	2600081098	TPE-35	10/16/06	11/08/06	Authorized	131	1	Hoboken City	Hudson	15.00	ft
	2600081099	TPE-29	10/16/06	11/08/06	Authorized	131	1	Hoboken City	Hudson	15.00	ft
	2600081100	TPE-30	10/16/06	11/22/06	Authorized	131	1	Hoboken City	Hudson	15.00	ft
Total Number	**63**										
Well Type	**Well Permit**	**Well Name**	**Permit Date**	**Drilling End Date**	**Status of well**	**Block**	**Lot**	**Municipality**	**County**	**Finished Depth**	**Units**
Monitoring	2600008390	WELL #1	12/10/85		Authorized	112	3	Hoboken City	Hudson		
	2600008391	well #2	12/10/85		Authorized	112	3	Hoboken City	Hudson		
	2600008392	WELL #3	12/10/85		Authorized	112	3	Hoboken City	Hudson		
	2600008393	WELL #4	12/10/85		Authorized	112	3	Hoboken City	Hudson		
	2600008394	WELL #5	12/10/85		Authorized	112	3	Hoboken City	Hudson		
	2600008892		03/27/86		Authorized	262	1	Hoboken City	Hudson		
	2600008893	MW-5	03/27/86		Authorized	262	1	Hoboken City	Hudson		
	2600008894	MW-3	03/27/86		Authorized	262,	1	Hoboken City	Hudson		

	2600008895	MW-2	03/27/86		Authorized	262	1	Hoboken City	Hudson		
	2600008896	MW-8	03/27/86		Authorized	262,	1	Hoboken City	Hudson		
	2600008897	MW-6	03/27/86		Authorized	262	1	Hoboken City	Hudson		
	2600008899	MW-4	03/27/86		Authorized	262	1	Hoboken City	Hudson		
	2600008900	MW-9	03/27/86		Authorized	262	1	Hoboken City	Hudson		
	2600008932	B-5	04/06/86		Authorized	262,	1	Hoboken City	Hudson		
	2600011062	WELL 1	07/10/87	07/27/87	Authorized	269	13.1	Hoboken City	Hudson	22.00	ft
	2600011063	WELL 2	07/10/87	07/28/87	Authorized	269	13.1	Hoboken City	Hudson	18.00	ft
	2600011064	WELL 3	07/10/87	07/29/87	Authorized	269	13.1	Hoboken City	Hudson	18.00	ft
	2600011065	WELL 4	07/10/87	07/30/87	Authorized	269	13.1	Hoboken City	Hudson	16.00	ft
	2600011066	WELL 6	07/10/87		Authorized	269	13.1	Hoboken City	Hudson	21.00	ft
	2600011067	WELL 5	07/10/87		Authorized	269	13.1	Hoboken City	Hudson	18.00	ft
	2600013720	MW-2-4	07/22/88		Decommissioned	4,5,6	42	Hoboken City	Hudson		
	2600013721	MW-3	07/22/88		Decommissioned	4,5,6	42	Hoboken City	Hudson		
	2600015117	MW1	12/20/88		Authorized	25	2	Hoboken City	Hudson		
	2600016092	MW-1	04/12/89		Authorized	80,81,	1 TO 32	Hoboken City	Hudson		
	2600016093	MW2	04/12/89		Authorized	80,81	1-19	Hoboken City	Hudson		
	2600016094	MW3	04/12/89		Authorized	80,81	1-19	Hoboken City	Hudson		
	2600016095	MW4	04/12/89		Authorized	80,81	1-19	Hoboken City	Hudson		
	2600017566	mw-5	09/18/89		Decommissioned	4,5,6	42	Hoboken City	Hudson		
	2600021303	MW-1	07/20/90		Authorized	27	4,8	Hoboken City	Hudson		
	2600021304	MW-2	07/20/90		Authorized	27	4, 8	Hoboken City	Hudson		
	2600021305	MW-3	07/20/90		Authorized	27	4,8	Hoboken City	Hudson		
	2600023742	MW-6R	01/29/91		Authorized	90-87	1-19,	Hoboken City	Hudson		
	2600023743	MW-5R	01/29/91		Authorized	90-87	1-19,	Hoboken City	Hudson		
	2600023744	MW-10	01/29/91		Authorized	90-87	1-19,	Hoboken City	Hudson		
	2600023745	MW-7R	01/29/91		Authorized	90-87	1-19,	Hoboken City	Hudson		
	2600023746	MW-11	01/29/91		Authorized	90-87	1-19,	Hoboken City	Hudson		
	2600026781	MW1	09/17/91		Decommissioned	9 & 10	12,26&37	Hoboken City	Hudson		
	2600026782	MW2	09/17/91		Decommissioned	9 & 10	12,26&37	Hoboken City	Hudson		
	2600026783	MW3	09/17/91		Decommissioned	9 & 10	12,26&37	Hoboken City	Hudson		
	2600029373	MW4	05/07/92		Decommissioned	9/10	12,26,37	Hoboken City	Hudson		
	2600029375	MW-6A	05/07/92		Decommissioned	9/10	12,26,37	Hoboken City	Hudson		
	2600029538	MW-1	05/19/92		Authorized	156	6	Hoboken City	Hudson		
	2600029539	MW-2	05/19/92		Authorized	156	6	Hoboken City	Hudson		
	2600029540	14.2	05/19/92		Authorized	156	6	Hoboken City	Hudson		
	2600030110	(B)MW-2	07/14/92		Authorized	260	1-2	Hoboken City	Hudson		

	2600030111	(B)MW-3	07/14/92		Authorized	260	1-2	Hoboken City	Hudson		
	2600030112	(B)MW-4	07/14/92		Authorized	260	1-2	Hoboken City	Hudson		
	2600030113	(B)MW-5	07/14/92		Authorized	260	1-2	Hoboken City	Hudson		
	2600030118	MW-1	07/15/92		Authorized	125	7	Hoboken City	Hudson		
	2600031822	MW1	12/08/92	04/02/93	Decommissioned	88	30	Hoboken City	Hudson	16.00	ft
	2600031823	MW2	12/08/92	04/01/93	Decommissioned	88	30	Hoboken City	Hudson	15.00	ft
	2600031824	MW3	12/08/92	04/01/93	Decommissioned	88	30	Hoboken City	Hudson	15.00	ft
	2600032277	MW7	01/21/93	01/21/93	Decommissioned	9&10	12,26,37	Hoboken City	Hudson	11.00	ft
	2600032830	MW 8	03/09/93	05/06/93	Authorized	80, 81	1-19	Hoboken City	Hudson	16.00	ft
	2600032831	MW9	03/09/93	05/06/93	Authorized	80-81	1-19	Hoboken City	Hudson	17.00	ft
	2600032832	MW12	03/09/93	05/07/93	Authorized	80-81	1-19	Hoboken City	Hudson	15.00	ft
	2600032860	MW1	03/11/93	03/31/93	Decommissioned	106	1	Hoboken City	Hudson	10.00	ft
	2600032861	MW2	03/11/93	03/31/93	Decommissioned	106	1	Hoboken City	Hudson	10.00	ft
	2600032862	MW3	03/11/93	03/31/93	Decommissioned	106	1	Hoboken City	Hudson	10.00	ft
	2600032863	MW4	03/11/93	04/01/93	Decommissioned	106	1	Hoboken City	Hudson	12.00	ft
	2600032864	MW5	03/11/93	04/01/93	Decommissioned	106	1	Hoboken City	Hudson	12.00	ft
	2600032955	MW1	03/25/93	04/02/93	Decommissioned	262-264	1	Hoboken City	Hudson	13.00	ft
	2600033516	(PTL)MW1	05/18/93	05/24/93	Authorized	261	1	Hoboken City	Hudson	20.00	ft
	2600033517	PTLMW-2	05/18/93	05/24/93	Authorized	260	1 & 2	Hoboken City	Hudson	20.00	ft
	2600033519	PTLMW4	05/18/93	05/24/93	Authorized	261	1	Hoboken City	Hudson	15.00	ft
	2600033520	PTLMW5	05/18/93	05/28/93	Authorized	261	1	Hoboken City	Hudson	14.00	ft
	2600035230	MW-E(BMW-6)	11/09/93	11/11/93	Authorized	260	1 & 2	Hoboken City	Hudson	17.00	ft
	2600039177	MW1	12/27/94	01/06/95	Decommissioned	152	10	Hoboken City	Hudson	15.00	ft
	2600040502	MW-1	05/02/95	05/15/95	Authorized	153	1	Hoboken City	Hudson	12.00	ft
	2600040862	MW-2	05/30/95	06/07/95	Authorized	109,110	1,1.1,11	Hoboken City	Hudson	13.00	ft
	2600042050	MW-4	09/12/95	01/22/96	Decommissioned	51	1	Hoboken City	Hudson	13.00	ft
	2600043703	MW-1	02/29/96	03/11/96	Authorized	156	6	Hoboken City	Hudson	14.00	ft
	2600043704	MW-2	02/29/96	03/12/96	Authorized	156	6	Hoboken City	Hudson	14.00	ft
	2600043705	MW-3	02/29/96	03/13/96	Authorized	156	6	Hoboken City	Hudson	14.00	ft
	2600043706	MW-4	02/29/96	03/12/96	Authorized	156	6	Hoboken City	Hudson	14.00	ft
	2600043707	MW-5	02/29/96	03/14/96	Authorized	151	6-7,1-5,	Hoboken City	Hudson	12.00	ft
	2600043708	MW-6	02/29/96	03/13/96	Authorized	151	6-7, 1-5	Hoboken City	Hudson	9.00	ft
	2600043709	MW-7	02/29/96	03/13/96	Authorized	151	6-7, 1-5	Hoboken City	Hudson	12.00	ft
	2600044121	MW 1	03/27/96	05/16/96	Decommissioned	267	1	Hoboken City	Hudson	12.00	ft
	2600044953	MW-8	07/08/96	07/16/96	Authorized	151	6-7, 1-5	Hoboken City	Hudson	14.00	ft
	2600044955	MW-9	07/08/96	07/15/96	Authorized	156	6	Hoboken City	Hudson	13.00	ft
	2600045072	G7-MW02	07/18/96	10/29/96	Decommissioned	232	1	Hoboken City	Hudson	18.00	ft

	2600045073	G7-MW04	07/18/96	09/25/96	Decommissioned	257	2	Hoboken City	Hudson	12.00	ft
	2600045074	G7-MW05	07/18/96	09/24/96	Decommissioned	257	2	Hoboken City	Hudson	15.00	ft
	2600045075	G7-MW06	07/18/96	09/23/96	Decommissioned	257	2	Hoboken City	Hudson	10.00	ft
	2600045076	G7-MW07	07/18/96	09/19/96	Decommissioned	257	2	Hoboken City	Hudson	20.00	ft
	2600045080	G7-MW01	07/18/96	10/30/96	Decommissioned	N/A	N/A	Hoboken City	Hudson	12.00	ft
	2600045084	G7-MW8	07/18/96	10/22/96	Decommissioned	261	1	Hoboken City	Hudson	15.00	ft
	2600045100	G7-MW09	07/19/96	09/12/96	Decommissioned	ROW	ROW	Hoboken City	Hudson	15.00	ft
	2600045101	G7-MW10	07/19/96	09/06/96	Decommissioned	268	1	Hoboken City	Hudson	12.00	ft
	2600045102	G8-MW01	07/19/96	10/03/96	Decommissioned	269.1	1	Hoboken City	Hudson	10.00	ft
	2600045103	G7-MW11	07/19/96	09/09/96	Decommissioned	269.1	1	Hoboken City	Hudson	12.00	ft
	2600045202	G7-MW3	07/25/96	10/14/96	Decommissioned	233	2	Hoboken City	Hudson	12.00	ft
	2600045276	#1	07/31/96	08/06/96	Decommissioned	84	18	Hoboken City	Hudson	56.00	ft
	2600045702	G7-MW12	09/19/96	09/26/96	Decommissioned	269.01	1	Hoboken City	Hudson	14.00	ft
	2600045828	MW 13	10/02/96	10/31/96	Authorized	80, 81	1-19	Hoboken City	Hudson	17.00	ft
	2600045829	MW 14	10/02/96	10/31/96	Authorized	80, 81	1-19	Hoboken City	Hudson	18.00	ft
	2600045875	G7-PZ01	10/04/96	10/04/96	Decommissioned	269.1	1	Hoboken City	Hudson	21.00	ft
	2600046826	MW 1	02/14/97	02/28/97	Decommissioned	41	12 TO 15	Hoboken City	Hudson	14.00	ft
	2600046827	MW 2	02/14/97	02/28/97	Decommissioned	41	12 TO 15	Hoboken City	Hudson	14.00	ft
	2600046828	MW 3	02/14/97	02/28/97	Decommissioned	41	12 TO 15	Hoboken City	Hudson	9.00	ft
	2600047776	MW#10	06/16/97	06/24/97	Authorized	156	6	Hoboken City	Hudson	42.00	ft
	2600049367	MW-1	11/17/97	12/22/97	Decommissioned	156	3	Hoboken City	Hudson	20.00	ft
	2600050104	MW 1	02/24/98	03/18/98	Authorized	51	24	Hoboken City	Hudson	12.00	ft
	2600051110	OW2	06/08/98	06/19/98	Authorized	175	1,24.2	Hoboken City	Hudson	17.00	ft
	2600051869	MW1	09/16/98	09/25/98	Authorized	25	1-32	Hoboken City	Hudson	13.00	ft
	2600052284	MW-1	10/28/98	11/05/98	Decommissioned	67	17-18	Hoboken City	Hudson	15.00	ft
	2600052531	MW1	11/19/98	11/25/98	Authorized	255	2, 3	Hoboken City	Hudson	21.00	ft
	2600053262	MW-3	03/08/99	04/01/99	Authorized	25	1-32	Hoboken City	Hudson	12.00	ft
	2600053263	MW-2	03/08/99	04/01/99	Authorized	25	1-32	Hoboken City	Hudson	12.00	ft
	2600054534	MW-4	06/29/99		Authorized	25	1-32	Hoboken City	Hudson		
	2600055191	(BE)M-W1	09/16/99	10/15/99	Authorized	261	1	Hoboken City	Hudson	13.00	ft
	2600055192	(BE)M-W2	09/16/99	10/09/99	Authorized	261	1	Hoboken City	Hudson	20.00	ft
	2600055193	(BE)M-W3	09/16/99	10/09/99	Authorized	261	1	Hoboken City	Hudson	11.00	ft
	2600055641	MW-1	10/25/99	11/09/99	Authorized	85	14	Hoboken City	Hudson	13.00	ft
	2600055642	MW-2	10/25/99	11/05/99	Authorized	85	14	Hoboken City	Hudson	13.00	ft
	2600055643	MW-3	10/25/99	11/01/99	Authorized	85	14	Hoboken City	Hudson	13.00	ft
	2600055644	MW-4	10/25/99	11/12/99	Authorized	85	14	Hoboken City	Hudson	12.00	ft
	2600055645	MW-5	10/25/99	11/12/99	Authorized	85	14	Hoboken City	Hudson	12.00	ft

	2600055646	MW-6	10/25/99	11/12/99	Authorized	85	14	Hoboken City	Hudson	13.00	ft
	2600055648	MW-7	10/25/99	11/04/99	Authorized	85	14	Hoboken City	Hudson	42.00	ft
	2600056464	MW-2	01/26/00	02/10/00	Authorized	42	9	Hoboken City	Hudson	15.00	ft
	2600057843	MW57	06/09/00	06/11/00	Authorized	19	1-5,46	Hoboken City	Hudson	18.00	ft
	2600058636	MW-1	08/25/00	09/13/00	Authorized	39	18	Hoboken City	Hudson	19.00	ft
	2600059167	MW-1	10/11/00	11/09/00	Authorized	13	9-15,34	Hoboken City	Hudson	12.00	ft
	2600059168	MW-2	10/11/00	11/09/00	Authorized	13	9-15,34	Hoboken City	Hudson	12.00	ft
	2600059169	MW-3	10/11/00	11/09/00	Authorized	13	9-15,34	Hoboken City	Hudson	12.00	ft
	2600059170	MW-4	10/11/00	11/09/00	Authorized	13	9-15,34	Hoboken City	Hudson	12.00	ft
	2600059171	MW-5	10/11/00	11/09/00	Authorized	13	9-15,34	Hoboken City	Hudson	12.00	ft
	2600060639	MW-1	03/19/01	03/29/01	Decommissioned	52	28	Hoboken City	Hudson	14.00	ft
	2600061457	MW-12	06/04/01		Authorized	87	13-18,20	Hoboken City	Hudson		
	2600063290	MW5	12/13/01	12/18/01	Decommissioned	51	1	Hoboken City	Hudson	13.00	ft
	2600063302	MW6	12/18/01	12/10/01	Decommissioned	51	1	Hoboken City	Hudson	13.00	ft
	2600065089	MW-1	07/02/02	08/07/02	Authorized	87	13-20	Hoboken City	Hudson	14.00	ft
	2600065090	MW-2	07/02/02	08/07/02	Authorized	87	13-20	Hoboken City	Hudson	13.50	ft
	2600065091	MW-3	07/02/02	08/07/02	Authorized	87	13-20	Hoboken City	Hudson	13.80	ft
	2600065092	MW-4	07/02/02	08/07/02	Authorized	87	13-20	Hoboken City	Hudson	13.60	ft
	2600065093	MW-1	07/02/02	08/08/02	Authorized	95	25-32	Hoboken City	Hudson	14.00	ft
	2600066962	MW-1	02/11/03	02/28/03	Authorized	254	10	Hoboken City	Hudson	15.00	ft
	2600066963	MW-2	02/11/03	02/27/03	Authorized	254	10	Hoboken City	Hudson	15.00	ft
	2600066964	MW-3	02/11/03	02/28/03	Authorized	254	10	Hoboken City	Hudson	14.00	ft
	2600067612		04/22/03		Authorized	107	7	Hoboken City	Hudson		
	2600067613		04/22/03		Authorized	107	7	Hoboken City	Hudson		
	2600067614		04/22/03		Authorized	107	7	Hoboken City	Hudson		
	2600067615		04/22/03		Authorized	107	7	Hoboken City	Hudson		
	2600067616		04/22/03		Authorized	107	7	Hoboken City	Hudson		
	2600067617		04/22/03		Authorized	107	7	Hoboken City	Hudson		
	2600067618		04/22/03		Authorized	107	7	Hoboken City	Hudson		
	2600067787	MW-1	05/05/03	05/14/03	Authorized	193	13	Hoboken City	Hudson	18.00	ft
	2600067932	MW-503	05/19/03	06/29/03	Decommissioned	67	2	Hoboken City	Hudson	15.00	ft
	2600067968		05/22/03		Authorized	107	7	Hoboken City	Hudson		
	2600068420	MW1	07/10/03	08/19/03	Authorized	216	19.2	Hoboken City	Hudson	12.00	ft
	2600069342		09/29/03		Authorized	42	9	Hoboken City	Hudson		
	2600070002		12/17/03		Authorized	255	2	Hoboken City	Hudson		
	2600070003		12/17/03		Authorized	255	2	Hoboken City	Hudson		
	2600070004		12/17/03		Authorized	255	2	Hoboken City	Hudson		

	2600070005		12/17/03		Authorized	255	2	Hoboken City	Hudson		
	2600070006		12/17/03		Authorized	255	2	Hoboken City	Hudson		
	2600070778	MW-1	03/09/04	03/19/04	Authorized	73	1-34	Hoboken City	Hudson	17.00	ft
	2600070779	MW-2	03/09/04	03/19/04	Authorized	73	1-34	Hoboken City	Hudson	17.00	ft
	2600070780	MW-3	03/09/04	03/18/04	Authorized	73	1-34	Hoboken City	Hudson	17.00	ft
	2600070781	MW-4	03/09/04	03/18/04	Authorized	73	1-34	Hoboken City	Hudson	17.00	ft
	2600070782	MW-5	03/09/04	03/18/04	Authorized	73	1-34	Hoboken City	Hudson	17.00	ft
	2600070783	MW-6	03/09/04	03/18/04	Authorized	73	1-34	Hoboken City	Hudson	17.00	ft
	2600070784	MW-7	03/09/04	03/17/04	Authorized	73	1-34	Hoboken City	Hudson	16.00	ft
	2600070785	MW-8	03/09/04	03/18/04	Authorized	73	1-34	Hoboken City	Hudson	17.00	ft
	2600070786	MW-9	03/09/04	03/17/04	Authorized	73	1-34	Hoboken City	Hudson	17.00	ft
	2600070804	MW-1	03/11/04	03/29/04	Authorized	246	2	Hoboken City	Hudson	15.00	ft
	2600070840	MW-10	03/17/04	03/17/04	Authorized	73	1	Hoboken City	Hudson	17.00	ft
	2600070997	B-3SR	04/14/04	05/21/04	Authorized	110	1	Hoboken City	Hudson	14.00	ft
	2600071058	MW-1	04/26/04	01/11/02	Authorized	227	1	Hoboken City	Hudson	23.00	ft
	2600071059	MW-2	04/26/04	01/11/02	Authorized	227	1	Hoboken City	Hudson	23.00	ft
	2600071367	MW - 1	06/02/04	06/28/04	Authorized	218	4	Hoboken City	Hudson	19.00	ft
	2600071470		06/18/04		Authorized	ROW	ROW	Hoboken City	Hudson		
	2600071471		06/18/04		Authorized	ROW	ROW	Hoboken City	Hudson		
	2600071472	MW 7	06/18/04	08/19/04	Authorized	157	1	Hoboken City	Hudson	15.00	ft
	2600071709	MW - 1	07/16/04	08/25/04	Authorized	196	1	Hoboken City	Hudson	15.00	ft
	2600071710	MW - 2	07/16/04	08/24/04	Authorized	196	1	Hoboken City	Hudson	15.00	ft
	2600071711	MW - 3	07/16/04	08/24/04	Authorized	196	1	Hoboken City	Hudson	15.00	ft
	2600072279	MW - 5	09/03/04	09/07/04	Authorized	123	11 & 12	Hoboken City	Hudson	13.00	ft
	2600072346	MW - 1	09/16/04	11/15/04	Authorized	251	5	Hoboken City	Hudson	24.00	ft
	2600072468		09/24/04		Authorized	255	2	Hoboken City	Hudson		
	2600072469	MW 4R	09/24/04	10/08/04	Authorized	255	2	Hoboken City	Hudson	16.00	ft
	2600072470	MW - 5	09/24/04	10/08/04	Authorized	255	2	Hoboken City	Hudson	16.00	ft
	2600072471	MW - 3R	09/24/04	10/07/04	Authorized	255	2	Hoboken City	Hudson	16.00	ft
	2600072939	MW8	11/16/04	12/01/04	Authorized	85	14	Hoboken City	Hudson	10.00	ft
	2600072940	MW9	11/16/04	12/01/04	Authorized	85	14	Hoboken City	Hudson	10.50	ft
	2600072941	MW10	11/16/04	11/29/04	Authorized	85	14	Hoboken City	Hudson	10.20	ft
	2600073091	MW-1	11/30/04	12/07/04	Authorized	51	1	Hoboken City	Hudson	13.00	ft
	2600073092		11/30/04		Authorized	51	1	Hoboken City	Hudson		
	2600073093		11/30/04		Authorized	51	1	Hoboken City	Hudson		
	2600073094	MW-4	11/30/04	12/07/04	Authorized	51	1	Hoboken City	Hudson	12.50	ft
	2600073095		11/30/04		Authorized	51	1	Hoboken City	Hudson		

	2600073096		11/30/04		Authorized	ROW	ROW	Hoboken City	Hudson		
	2600073274	MW11	12/15/04	12/16/04	Authorized	73	1-34	Hoboken City	Hudson	18.00	ft
	2600073275	MW12	12/15/04	12/16/04	Authorized	73	1-34	Hoboken City	Hudson	18.00	ft
	2600073276	MW13	12/15/04	12/16/04	Authorized	73	1-34	Hoboken City	Hudson	18.00	ft
	2600073277	MW14	12/15/04	12/16/04	Authorized	73	1-34	Hoboken City	Hudson	18.00	ft
	2600073659	MW2	01/26/05	01/11/02	Authorized	216.1	22	Hoboken City	Hudson	23.00	ft
	2600073660	MW3	01/26/05	07/29/02	Authorized	227	1	Hoboken City	Hudson	18.00	ft
	2600073661	MW1	01/26/05	01/11/02	Authorized	216.1	24	Hoboken City	Hudson	23.00	ft
	2600074011	VM-1	02/25/05	03/16/05	Authorized	131	1	Hoboken City	Hudson	10.00	ft
	2600074012	VM-2	02/25/05	03/16/05	Authorized	131	1	Hoboken City	Hudson	10.00	ft
	2600074013	VM-3	02/25/05	03/16/05	Authorized	131	1	Hoboken City	Hudson	10.00	ft
	2600074014	VM-4	02/25/05	03/16/05	Authorized	131	1	Hoboken City	Hudson	10.00	ft
	2600074017	TPE-1	02/25/05	03/16/05	Authorized	131	1	Hoboken City	Hudson	15.00	ft
	2600074018	TPE-2	02/25/05	03/16/05	Authorized	131	1	Hoboken City	Hudson	15.00	ft
	2600074039	MW1	03/02/05	03/09/05	Authorized	104	1-12	Hoboken City	Hudson	14.50	ft
	2600074713	PMW-10	04/25/05	01/18/06	Authorized	131	1	Hoboken City	Hudson	15.00	ft
	2600074886	MW1	05/03/05	05/23/05	Decommissioned	252	36	Hoboken City	Hudson	15.75	ft
	2600075190	MW 1	05/24/05	06/10/05	Authorized	22	1	Hoboken City	Hudson	13.50	ft
	2600075191	MW 2	05/24/05	06/10/05	Authorized	22	1	Hoboken City	Hudson	13.50	ft
	2600075192	MW 3	05/24/05	06/10/05	Authorized	22	1	Hoboken City	Hudson	13.00	ft
	2600075524	MW-1	06/14/05	07/01/05	Authorized	252	39	Hoboken City	Hudson	16.50	ft
	2600075690		06/28/05		Authorized	143	3	Hoboken City	Hudson		
	2600076396	MW-1	08/08/05	09/02/05	Authorized	179	40	Hoboken City	Hudson	10.00	ft
	2600076499	MW1	08/16/05	08/25/05	Authorized	36	1	Hoboken City	Hudson	13.00	ft
	2600076500	MW-2	08/16/05	08/24/05	Authorized	36	1	Hoboken City	Hudson	13.50	ft
	2600076501	MW3	08/16/05	08/25/05	Authorized	36	1	Hoboken City	Hudson	13.00	ft
	2600076502	MW4	08/16/05	08/24/05	Authorized	36	1	Hoboken City	Hudson	13.00	ft
	2600076503	MW5	08/16/05	08/24/05	Authorized	36	1	Hoboken City	Hudson	13.00	ft
	2600076504	MW6	08/16/05	08/25/05	Authorized	36	1	Hoboken City	Hudson	13.00	ft
	2600076720		09/14/05		Authorized	130	1	Hoboken City	Hudson		
	2600076888	MW-10	09/26/05	10/19/05	Authorized	1	131	Hoboken City	Hudson	15.00	ft
	2600076934	MW13	09/29/05	10/07/05	Authorized	125	1, 6	Hoboken City	Hudson	12.00	ft
	2600076935	MW14	09/29/05	10/07/05	Authorized	125	1, 6	Hoboken City	Hudson	22.00	ft
	2600076955		09/30/05		Authorized	87	1.01	Hoboken City	Hudson		
	2600076956	MW2S	09/30/05	10/20/05	Authorized	87	1.01	Hoboken City	Hudson	15.00	ft
	2600076957		09/30/05		Authorized	87	1.01	Hoboken City	Hudson		
	2600076958	MW4S	09/30/05	11/16/05	Authorized	87	1.01	Hoboken City	Hudson	15.00	ft

	2600076959	MW5S	09/30/05	11/14/05	Authorized	87	1.01	Hoboken City	Hudson	15.00	ft
	2600076960	MW6S	09/30/05	11/14/05	Authorized	87	1.01	Hoboken City	Hudson	15.00	ft
	2600076961	BR1	09/30/05	10/18/05	Authorized	87	1.01	Hoboken City	Hudson	136.00	ft
	2600076962		09/30/05		Authorized	87	1.01	Hoboken City	Hudson		
	2600076963		09/30/05		Authorized	87	1.01	Hoboken City	Hudson		
	2600077055	MW1D	10/05/05	10/14/05	Authorized	87	1.01	Hoboken City	Hudson	37.00	ft
	2600077056	MW2D	10/05/05	11/15/05	Authorized	87	1.01	Hoboken City	Hudson	35.00	ft
	2600077057	MW3D	10/05/05	10/19/05	Authorized	87	1.01	Hoboken City	Hudson	37.00	ft
	2600077058	MW4D	10/05/05	10/18/05	Authorized	87	1.01	Hoboken City	Hudson	37.00	ft
	2600077059		10/05/05		Authorized	87	1.01	Hoboken City	Hudson		
	2600077060		10/05/05		Authorized	87	1.01	Hoboken City	Hudson		
	2600077061		10/05/05		Authorized	87	1.01	Hoboken City	Hudson		
	2600077062		10/05/05		Authorized	87	1.01	Hoboken City	Hudson		
	2600077063		10/05/05		Authorized	87	1.01	Hoboken City	Hudson		
	2600077064		10/05/05		Authorized	87	1.01	Hoboken City	Hudson		
	2600077065		10/05/05		Authorized	87	1.01	Hoboken City	Hudson		
	2600077066		10/05/05		Authorized	87	1.01	Hoboken City	Hudson		
	2600077708	MW-1	11/29/05	12/13/05	Authorized	238	14	Hoboken City	Hudson	43.00	ft
	2600077919	MW11	12/22/05	02/08/06	Authorized	99	18	Hoboken City	Hudson	12.00	ft
	2600077920	MW2	12/22/05	02/08/06	Authorized	99	18	Hoboken City	Hudson	12.00	ft
	2600077921	MW3	12/22/05	05/23/06	Authorized	99	18	Hoboken City	Hudson	12.00	ft
	2600077922	MW4	12/22/05	05/23/06	Authorized	99	18	Hoboken City	Hudson	12.00	ft
	2600077990	MW-4	01/09/06	04/07/06	Authorized	258	1	Hoboken City	Hudson	10.00	ft
	2600077991	MW-5	01/09/06	04/07/06	Authorized	258	1	Hoboken City	Hudson	12.00	ft
	2600078241	MW-5R	01/31/06	02/20/06	Authorized	255	2	Hoboken City	Hudson	6.50	ft
	2600078242	MW4R	01/31/06	02/28/06	Authorized	255	2	Hoboken City	Hudson	11.00	ft
	2600078243		01/31/06		Authorized	255	2	Hoboken City	Hudson		
	2600078334	MW-1	02/09/06	04/17/06	Decommissioned	166	16.1	Hoboken City	Hudson	13.00	ft
	2600078561	MW-3	03/01/06	03/24/06	Decommissioned	51	6	Hoboken City	Hudson	13.00	ft
	2600078562	MW-2	03/01/06	03/24/06	Decommissioned	51	5	Hoboken City	Hudson	13.00	ft
	2600078563	MW-1	03/01/06	03/24/06	Decommissioned	51	5	Hoboken City	Hudson	13.00	ft
	2600078699	MW-1	03/15/06	03/29/06	Authorized	72	1	Hoboken City	Hudson	16.00	ft
	2600078700	MW-2	03/15/06	03/29/06	Authorized	72	1	Hoboken City	Hudson	16.00	ft
	2600078701	MW-3	03/15/06	03/29/06	Authorized	72	1	Hoboken City	Hudson	16.00	ft
	2600078702	MW-4	03/15/06	03/29/06	Authorized	72	1	Hoboken City	Hudson	16.00	ft
	2600078703	MW-5	03/15/06	03/30/06	Authorized	72	1	Hoboken City	Hudson	16.00	ft
	2600078704	MW-6	03/15/06	03/30/06	Authorized	72	1	Hoboken City	Hudson	16.00	ft

	2600078777	MW3	03/27/06	04/03/06	Authorized	88	1	Hoboken City	Hudson	15.00	ft
	2600078778	MW2	03/27/06	04/03/06	Authorized	88	14	Hoboken City	Hudson	14.00	ft
	2600078779		03/27/06		Authorized	88	19	Hoboken City	Hudson		
	2600078818	MW-1	03/28/06	04/06/06	Authorized	116	1.1	Hoboken City	Hudson	47.00	ft
	2600078819	MW-2	03/28/06	04/06/06	Authorized	116	1.1	Hoboken City	Hudson	15.00	ft
	2600078820	MW-3	03/28/06	04/06/06	Authorized	116	1.1	Hoboken City	Hudson	15.00	ft
	2600078821		03/28/06		Authorized	116	1.1	Hoboken City	Hudson		
	2600079359	MW1	05/31/06	06/07/06	Decommissioned	7	170	Hoboken City	Hudson	12.00	ft
	2600079426	MW-1	06/12/06	06/20/06	Authorized	1	1	Hoboken City	Hudson	13.00	ft
	2600079427	MW-2	06/12/06	06/20/06	Authorized	1	1	Hoboken City	Hudson	13.00	ft
	2600079428	MW-3	06/12/06	06/21/06	Authorized	1	1	Hoboken City	Hudson	13.00	ft
	2600079429	MW-1	06/12/06	06/20/06	Authorized	174	2	Hoboken City	Hudson	10.00	ft
	2600079708	MW-23S	06/27/06	07/17/06	Authorized	NA	NA	Hoboken City	Hudson	13.00	ft
	2600079709	MW-23D	06/27/06	07/19/06	Authorized	NA	NA	Hoboken City	Hudson	97.00	ft
	2600079710	MW-24S	06/27/06	07/11/06	Authorized	NA	NA	Hoboken City	Hudson	13.00	ft
	2600079711	MW-24D	06/27/06	07/11/06	Authorized	NA	NA	Hoboken City	Hudson	26.50	ft
	2600079712	MW-24B	06/27/06	07/14/06	Authorized	NA	NA	Hoboken City	Hudson	73.00	ft
	2600079713	MW-21S	06/27/06	07/20/06	Authorized	NA	NA	Hoboken City	Hudson	14.00	ft
	2600079714	MW-21D	06/27/06	07/24/06	Authorized	NA	NA	Hoboken City	Hudson	49.50	ft
	2600079715		06/27/06		Authorized	NA	NA	Hoboken City	Hudson		
	2600079716		06/27/06		Authorized	NA	NA	Hoboken City	Hudson		
	2600080039	MW-22S	07/18/06	07/24/06	Authorized	120	29	Hoboken City	Hudson	13.00	ft
	2600080040	MW-22D	07/18/06	07/26/06	Authorized	120	29	Hoboken City	Hudson	64.00	ft
	2600081155	MW1	10/19/06	11/01/06	Authorized	66	1	Hoboken City	Hudson	14.00	ft
	2600081156	MW2	10/19/06	11/01/06	Authorized	66	1	Hoboken City	Hudson	14.00	ft
	2600081157	MW3	10/19/06	11/01/06	Authorized	66	1	Hoboken City	Hudson	14.00	ft
	2600082124	MW-1	01/29/07	02/21/07	Authorized	770	33	Hoboken City	Hudson	13.00	ft
	2600082141	MW-2	01/29/07	02/21/07	Authorized	170	31	Hoboken City	Hudson	13.00	ft
	2600082312	MW-1	02/08/07	02/23/07	Decommissioned	194	36	Hoboken City	Hudson	13.00	ft
	2600082827	MW-1P	03/22/07	05/15/07	Authorized	110	1	Hoboken City	Hudson	42.00	ft
	2600082828	MW-2P	03/22/07	05/16/07	Authorized	110	1	Hoboken City	Hudson	44.00	ft
	2600082829	MW-3P	03/22/07	05/15/07	Authorized	110	1	Hoboken City	Hudson	41.00	ft
	2600082844	MW-1	03/26/07	05/04/07	Authorized	207	16	Hoboken City	Hudson	14.50	ft
	2600082923	PE-148	04/02/07	04/10/07	Authorized	143,136,140	2, 6.1, 15	Hoboken City	Hudson	15.00	ft
	2600082924	PE-139	04/02/07	04/06/07	Authorized	143,136,140	2, 6.1, 15	Hoboken City	Hudson	125.00	ft
	2600082925	PE-128	04/02/07	05/10/07	Authorized	143,136,140	2, 6.1, 15	Hoboken City	Hudson	15.00	ft
	2600083418	MW-10	05/09/07	05/24/07	Authorized	2	12	Hoboken City	Hudson	12.00	ft

	2600083419	MW-11	05/09/07	05/24/07	Authorized	2	12	Hoboken City	Hudson	12.00	ft
	2600083602	MW-1	05/22/07	07/17/07	Authorized	26	7-10	Hoboken City	Hudson	14.00	ft
	2600083603	MW-2	05/22/07	07/17/07	Authorized	26	7-10	Hoboken City	Hudson	14.00	ft
	2600083604	MW-3	05/22/07	07/17/07	Authorized	26	7-10	Hoboken City	Hudson	14.00	ft
	2600083605	MW-4	05/22/07	07/17/07	Authorized	26	7-10	Hoboken City	Hudson	12.00	ft
	2600083655	MW-12	05/29/07	05/24/07	Authorized	2	12	Hoboken City	Hudson	12.00	ft
	2600083666	MW1	05/30/07	06/14/07	Authorized	01	261	Hoboken City	Hudson	20.00	ft
	2600083667	MW2	05/30/07	06/18/07	Authorized	01	261	Hoboken City	Hudson	20.00	ft
	2600083741	MW-6	06/05/07	06/14/07	Authorized	267	1	Hoboken City	Hudson	15.00	ft
	2600083742	MW-1A	06/05/07	06/14/07	Authorized	267	1	Hoboken City	Hudson	15.00	ft
	2600083789	MW1	06/07/07	06/27/07	Authorized	69	18	Hoboken City	Hudson	15.00	ft
	2600084086	MW-3	06/29/07	07/31/07	Decommissioned	1.1	49	Hoboken City	Hudson	7.00	ft
	2600084276	MW-1	07/16/07	07/31/07	Decommissioned	1.1	49	Hoboken City	Hudson	15.00	ft
	2600084277	MW-2	07/16/07	07/31/07	Decommissioned	1.1	49	Hoboken City	Hudson	15.00	ft
	2600084333	MW-1	07/23/07	08/09/07	Authorized	61	8	Hoboken City	Hudson	14.00	ft
	2600084360	AW-1	07/24/07	12/20/07	Authorized	6	17-28	Hoboken City	Hudson	10.00	ft
	2600084361	AW2	07/24/07	12/20/07	Authorized	6	17-28	Hoboken City	Hudson	10.00	ft
	2600084362	AW3	07/24/07	12/20/07	Authorized	6	17-28	Hoboken City	Hudson	10.00	ft
	2600084363	AW4	07/24/07	12/20/07	Authorized	6	17-28	Hoboken City	Hudson	10.00	ft
	2600084364	AW5	07/24/07	12/19/07	Authorized	6	17-28	Hoboken City	Hudson	11.00	ft
	2600084365	AW6	07/24/07	12/19/07	Authorized	6	17-28	Hoboken City	Hudson	11.00	ft
	2600084366	AW7	07/24/07	12/19/07	Authorized	6	17-28	Hoboken City	Hudson	11.00	ft
	2600084421	MW-1	07/26/07	07/30/07	Authorized	53	2	Hoboken City	Hudson	60.00	ft
	2600084422	MW-4	07/26/07	08/08/07	Authorized	53	2	Hoboken City	Hudson	20.00	ft
	2600085001	MW-1	09/12/07	09/25/07	Authorized	256	1,2,6	Hoboken City	Hudson	15.00	ft
	2600085002	MW-2	09/12/07	09/25/07	Authorized	256	1,2,6	Hoboken City	Hudson	15.00	ft
	2600085003	MW-3	09/12/07	09/25/07	Authorized	256	1,2,6	Hoboken City	Hudson	15.00	ft
	2600085109	MW-1	09/24/07	10/02/07	Authorized	167	22	Hoboken City	Hudson	12.00	ft
	2600085421		10/23/07		Authorized	ROW	ROW	Hoboken City	Hudson		
	2600085422		10/23/07		Authorized	ROW	ROW	Hoboken City	Hudson		
	2600085423	MW-25S	10/23/07	11/01/07	Authorized	115	26	Hoboken City	Hudson	13.00	ft
	2600085438	MW1	10/24/07	11/12/07	Decommissioned	253	8	Hoboken City	Hudson	20.00	ft
	2600085527	MW-1	11/07/07	11/20/07	Authorized	78	10	Hoboken City	Hudson	14.00	ft
	2600085528	MW-2	11/07/07	11/20/07	Authorized	78	10	Hoboken City	Hudson	14.00	ft
	2600085529	MW-3	11/07/07	11/20/07	Authorized	78	10	Hoboken City	Hudson	14.00	ft
	2600085835	MW1	12/10/07	12/18/07	Authorized	92	1.11	Hoboken City	Hudson	15.00	ft
	2600086020	MW-1	01/02/08	01/17/08	Authorized	184	38	Hoboken City	Hudson	14.00	ft

	2600086505	MW-1	02/07/08	02/29/08	Decommissioned	207	11	Hoboken City	Hudson	15.00	ft
	2600086683	MW-1	02/27/08	08/11/08	Active	103	27	Hoboken City	Hudson	15.00	ft
	2600087361	MW-15B	05/06/08	06/09/08	Active	N/A	N/A	Hoboken City	Hudson	80.00	ft
	2600087362	MW-16D	05/06/08	06/23/08	Active	ROW	ROW	Hoboken City	Hudson	50.00	ft
	2600087363	MW-21B	05/06/08	05/30/08	Active	N/A	N/A	Hoboken City	Hudson	104.00	ft
	2600087364	MW-23B	05/06/08	07/01/08	Active	N/A	N/A	Hoboken City	Hudson	148.00	ft
	2600087365	MW-26D	05/06/08	06/26/08	Active	N/A	N/A	Hoboken City	Hudson	25.00	ft
	2600087366	MW-27D	05/06/08	06/17/08	Active	N/A	N/A	Hoboken City	Hudson	71.00	ft
	2600087367	MW-28D	05/06/08	06/19/08	Active	N/A	N/A	Hoboken City	Hudson	15.00	ft
	2600087370	MW-30S	05/06/08	06/16/08	Active	N/A	N/A	Hoboken City	Hudson	13.00	ft
	2600087371	MW-30D	05/06/08	06/16/08	Active	N/A	N/A	Hoboken City	Hudson	100.00	ft
	2600087372	MW-31S	05/06/08	07/18/08	Active	N/A	N/A	Hoboken City	Hudson	13.00	ft
	2600087373	MW-31D	05/06/08	07/17/08	Active	N/A	N/A	Hoboken City	Hudson	90.00	ft
	2600087374	MW-32S	05/06/08	07/10/08	Active	N/A	N/A	Hoboken City	Hudson	13.00	ft
	2600087375	MW-32D	05/06/08	07/10/08	Active	N/A	N/A	Hoboken City	Hudson	50.00	ft
	2600087376	MW-29D	05/06/08	05/23/08	Active	N/A	N/A	Hoboken City	Hudson	100.00	ft
	2600087986	MW-3	06/27/08	07/17/08	Decommissioned	114	20	Hoboken City	Hudson	15.00	ft
	2600087987	MW-1	06/27/08	07/17/08	Decommissioned	114	20	Hoboken City	Hudson	15.00	ft
	2600087988	MW-2	06/27/08	07/17/08	Decommissioned	114	14.02	Hoboken City	Hudson	15.00	ft
	E201001167	MW-6	02/12/10		Proposed	170	34	Hoboken City	Hudson		
	P200800273		09/15/08		Proposed	114	11	Hoboken City	Hudson		
	P200800391	MW-125-7-1	09/16/08	01/10/09	Active	125	7	Hoboken City	Hudson	12.00	ft
	P200800392	MW-133-6-1	09/16/08	10/21/08	Active	133	6	Hoboken City	Hudson	13.00	ft
	P200800393	MW-133-7-1	09/16/08	10/20/08	Active	133	7	Hoboken City	Hudson	15.00	ft
	P200800480	MW-125-8-1	09/17/08	10/20/08	Active	125	8	Hoboken City	Hudson	15.00	ft
	P200800481	MW-125-8-2	09/17/08	12/04/08	Active	125	8	Hoboken City	Hudson	15.00	ft
	P200800482	MW-134-31-1 (MW-134-31-2)	09/17/08	02/14/09	Active	134	3.1	Hoboken City	Hudson	13.00	ft
	P200800483	MW-134-1-1	09/17/08	10/10/08	Active	134	1	Hoboken City	Hudson	15.00	ft
	P200800484	MW-134-1-2 (MW-134-1-1	09/17/08	10/10/08	Active	134	1	Hoboken City	Hudson	15.00	ft
	P200800485	MW-134-2-1	09/17/08	11/03/08	Active	134	2	Hoboken City	Hudson	12.00	ft
	P200800486	MW-134-2-2	09/17/08	12/19/08	Active	134	2	Hoboken City	Hudson	13.00	ft
	P200800487	MW-134-2-3	09/17/08	12/19/08	Active	134	2	Hoboken City	Hudson	13.00	ft
	P200801938	MW-125-10-1	10/20/08	11/19/08	Active	125	10	Hoboken City	Hudson	13.00	ft
	P200802183	MW-2	10/22/08	11/18/08	Active	216	19.2	Hoboken City	Hudson	6.50	ft
	P200802416		10/28/08		Proposed	125	8	Hoboken City	Hudson		
	P200802514	MW-1	10/30/08	11/20/08	Active	26	1.23	Hoboken City	Hudson	7.00	ft

	P200802515	MW-2	10/30/08	11/03/08	Active	26	1.23	Hoboken City	Hudson	11.00	ft
	P200802516	MW-3	10/30/08	11/03/08	Active	26	1.23	Hoboken City	Hudson	12.00	ft
	P200901009	MW-4	01/30/09	02/19/09	Active	150	3	Hoboken City	Hudson	20.00	ft
	P200901087		02/04/09		Proposed	40	7	Hoboken City	Hudson		
	P200901248	MW-1	02/09/09	02/20/09	Active	40	7	Hoboken City	Hudson	13.00	ft
	P200901955	MW-1	03/02/09	03/21/09	Active	38	1	Hoboken City	Hudson	14.00	ft
	P200901956	MW-2	03/02/09	03/21/09	Active	38	1	Hoboken City	Hudson	14.00	ft
	P200901957	MW-3	03/02/09	03/21/09	Active	38	1	Hoboken City	Hudson	14.00	ft
	P200903402	MW-4	03/31/09	05/18/09	Active	26	1	Hoboken City	Hudson	12.00	ft
	P200903824	MW-1	04/08/09	04/13/09	Active	249	22	Hoboken City	Hudson	6.00	ft
	P200904655	MW-1	04/27/09	05/11/09	Active	172	21	Hoboken City	Hudson	17.00	ft
	P200905163	MW-2	05/05/09	05/21/09	Active	174	2	Hoboken City	Hudson	14.00	ft
	P200905164	MW-3	05/05/09	05/21/09	Active	174	2	Hoboken City	Hudson	12.00	ft
	P200905810	MW-4	05/13/09	06/04/09	Active	216	19.2	Hoboken City	Hudson	15.00	ft
	P200905811	MW-5	05/13/09	06/04/09	Active	216	19.2	Hoboken City	Hudson	14.00	ft
	P200905812	MW-3	05/13/09	06/04/09	Active	216	19.2	Hoboken City	Hudson	5.00	ft
	P200905867	B-103	05/13/09	06/16/09	Active	ROW	ROW	Hoboken City	Hudson	15.00	ft
	P200905868	B-105	05/13/09	06/11/09	Active	ROW	ROW	Hoboken City	Hudson	15.00	ft
	P200905869	B-107	05/13/09	07/01/09	Active	ROW	ROW	Hoboken City	Hudson	13.00	ft
	P200905870	B-112	05/13/09	06/25/09	Active	ROW	ROW	Hoboken City	Hudson	14.00	ft
	P200905871	B-114	05/13/09	06/24/09	Active	ROW	ROW	Hoboken City	Hudson	14.00	ft
	P200905872	B-118	05/13/09	06/21/09	Active	ROW	ROW	Hoboken City	Hudson	14.00	ft
	P200905873	B-124	05/13/09	07/09/09	Active	ROW	ROW	Hoboken City	Hudson	13.00	ft
	P200905874	B-127	05/13/09	06/23/09	Active	ROW	ROW	Hoboken City	Hudson	13.00	ft
	P200905875	B-129	05/13/09	06/23/09	Active	ROW	ROW	Hoboken City	Hudson	12.00	ft
	P200906070	MW-1	05/19/09	06/12/09	Active	1	20	Hoboken City	Hudson	15.00	ft
	P200906297	MW-1	05/27/09	06/09/09	Active	120	18	Hoboken City	Hudson	18.00	ft
	P200906459	MW-1	05/28/09	06/11/09	Active	ROW	ROW	Hoboken City	Hudson	14.00	ft
	P200906460	MW-3	05/28/09	06/12/09	Active	170	32	Hoboken City	Hudson	7.00	ft
	P200906461	MW-2	05/28/09	06/12/09	Active	170	33	Hoboken City	Hudson	7.00	ft
	P200906634	MW-1	05/29/09	06/17/09	Active	36	23	Hoboken City	Hudson	20.00	ft
	P200906745	MW-1	06/04/09	06/23/09	Active	252	36	Hoboken City	Hudson	20.00	ft
	P200906846	MW-1	06/04/09	06/19/09	Active	253	7	Hoboken City	Hudson	18.00	ft
	P200907397	MW-12	06/16/09	07/01/09	Active	121	14	Hoboken City	Hudson	12.00	ft
	P200908474		07/14/09		Proposed	134	1 & 3.01	Hoboken City	Hudson		
	P200908475		07/14/09		Proposed	134	1 & 3.01	Hoboken City	Hudson		
	P200908476		07/14/09		Proposed	134	3.02	Hoboken City	Hudson		

	P200908536	MW8	07/15/09	09/04/09	Active	255	2	Hoboken City	Hudson	15.00	ft
	P200908537	MW-9	07/15/09	09/04/09	Active	255	2	Hoboken City	Hudson	15.00	ft
	P200908538	MW-11	07/15/09	09/04/09	Active	251	17	Hoboken City	Hudson	15.00	ft
	P200908539	MW-10	07/15/09	09/03/09	Active	269	1	Hoboken City	Hudson	15.00	ft
	P200908540	MW-12	07/15/09	09/03/09	Active	269	1	Hoboken City	Hudson	15.00	ft
	P200912205	MW-2	10/07/09	11/04/09	Active	ROW	ROW	Hoboken City	Hudson	13.00	ft
	P200912206	MW-3	10/07/09	11/05/09	Active	ROW	ROW	Hoboken City	Hudson	14.00	ft
	P200912207	MW-4	10/07/09	11/05/09	Active	ROW	ROW	Hoboken City	Hudson	13.00	ft
	P200913174	MW-1	10/28/09	11/25/09	Active	185	26	Hoboken City	Hudson	17.00	ft
	P201000986		02/05/10		Proposed	254	7	Hoboken City	Hudson		
Total Number	**424**										

Well Type	Well Permit	Well Name	Permit Date	Drilling End Date	Status of well	Block	Lot	Municipality	County	Finished Depth	Units
Piezometer	2600080290	B-1-1P4	08/10/06	09/18/06	Authorized	ROW	ROW	Hoboken City	Hudson	10.00	ft
	2600080291	B-2-3-PA	08/10/06	09/11/06	Authorized	ROW	ROW	Hoboken City	Hudson	15.00	ft
	2600083097	B-1W	04/10/07	04/17/07	Authorized	269.3	1	Hoboken City	Hudson	35.00	ft
	2600083098	B-8W	04/10/07	04/19/07	Authorized	269.3	1	Hoboken City	Hudson	35.00	ft
	2600083099	B-10W	04/10/07	04/13/07	Authorized	269.2	1	Hoboken City	Hudson	35.00	ft
	2600083159	PE-224	04/17/07	05/03/07	Authorized	256	6	Hoboken City	Hudson	124.00	ft
	2600083162	PE-203	04/17/07	04/25/07	Authorized	ROW	ROW	Hoboken City	Hudson	22.00	ft
	2600083163	PE-207	04/17/07	05/01/07	Authorized	ROW	ROW	Hoboken City	Hudson	38.00	ft
	2600083802	MR-1P	06/11/07	06/25/07	Authorized	230	10	Hoboken City	Hudson	18.00	ft
	2600083803	MR-3P	06/11/07	06/28/07	Authorized	222	5	Hoboken City	Hudson	15.00	ft
	2600083804	MW-4P	06/11/07	06/28/07	Authorized	210.1	22	Hoboken City	Hudson	14.00	ft
	2600084150	M-9 (M-6P)	07/05/07	08/28/07	Authorized	231.3	1 & 2	Hoboken City	Hudson	20.00	ft
	2600084151	M-13	07/05/07	08/09/07	Authorized	231.3	1 & 2	Hoboken City	Hudson	25.00	ft
	2600087501		05/22/08		Authorized	ROW	ROW	Hoboken City	Hudson		
	2600087502	EPE-NJ-014	05/22/08	05/30/08	Authorized	ROW	ROW	Hoboken City	Hudson	70.00	ft
	2600087507		05/22/08		Authorized	ROW	ROW	Hoboken City	Hudson		
Total Number	**16**										

Well Type	Well Permit	Well Name	Permit Date	Drilling End Date	Status of well	Block	Lot	Municipality	County	Finished Depth	Units
Recovery	2600077040	TPE-2	10/05/05	10/31/05	Authorized	131	1	Hoboken City	Hudson	15.00	ft
	2600077041	TPE-3	10/05/05	11/01/05	Authorized	131	1	Hoboken City	Hudson	15.00	ft

	2600077042	TPE-5	10/05/05	11/01/05	Authorized	131	1	Hoboken City	Hudson	15.00	ft
	2600077043	TPE-4	10/05/05	11/02/05	Authorized	131	1	Hoboken City	Hudson	15.00	ft
	2600077044	TPE-6	10/05/05	11/02/05	Authorized	131	1	Hoboken City	Hudson	15.00	ft
	2600077045	TPE-8	10/05/05	11/02/05	Authorized	131	1	Hoboken City	Hudson	15.00	ft
	2600077046	TPE-7	10/05/05	11/03/05	Authorized	131	1	Hoboken City	Hudson	15.00	ft
	2600077047	TPE-9	10/05/05	11/03/05	Authorized	131	1	Hoboken City	Hudson	15.00	ft
	2600077048	TPE-16	10/05/05	11/01/05	Authorized	131	1	Hoboken City	Hudson	15.00	ft
	2600077049	TPE-14	10/05/05	11/02/05	Authorized	131	1	Hoboken City	Hudson	15.00	ft
	2600077050	TPE-15	10/05/05	11/02/05	Authorized	131	1	Hoboken City	Hudson	15.00	ft
	2600077051	TPE-12	10/05/05	11/02/05	Authorized	131	1	Hoboken City	Hudson	15.00	ft
	2600077052	TPE-11	10/05/05	11/03/05	Authorized	131	1	Hoboken City	Hudson	15.00	ft
	2600077053	TPE-13	10/05/05	11/03/05	Authorized	131	1	Hoboken City	Hudson	15.00	ft
	2600077054	TPE-10	10/05/05	11/03/05	Authorized	131	1	Hoboken City	Hudson	15.00	ft
	2600078514	TPE22	02/22/06	03/07/06	Authorized	131	1	Hoboken City	Hudson	15.00	ft
	2600078515	TPE23	02/22/06	03/07/06	Authorized	131	1	Hoboken City	Hudson	15.00	ft
	2600078516	TPE-24	02/22/06	03/08/06	Authorized	131	1	Hoboken City	Hudson	15.00	ft
	2600078517	TPE-17	02/22/06	03/09/06	Authorized	131	1	Hoboken City	Hudson	15.00	ft
	2600078518	TPE-18	02/22/06	03/09/06	Authorized	131	1	Hoboken City	Hudson	15.00	ft
	2600078519	TPE-19	02/22/06	03/09/06	Authorized	131	1	Hoboken City	Hudson	15.00	ft
	2600078520	TPE-20	02/22/06	03/09/06	Authorized	131	1	Hoboken City	Hudson	15.00	ft
	2600078521	TPE-21	02/22/06	03/09/06	Authorized	131	1	Hoboken City	Hudson	15.00	ft
	2600078522	TPE-25	02/22/06	03/08/06	Authorized	131	1	Hoboken City	Hudson	15.00	ft
	2600078523	TPE-26	02/22/06	03/08/06	Authorized	131	1	Hoboken City	Hudson	15.00	ft
	2600078524	TPE-27	02/22/06	03/08/06	Authorized	131	1	Hoboken City	Hudson	15.00	ft
	2600078525	TPE-28	02/22/06	03/08/06	Authorized	131	1	Hoboken City	Hudson	15.00	ft
	2600085303	RW-1	10/11/07	11/02/07	Authorized	134	3.2	Hoboken City	Hudson	6.00	ft
Total Number	**28**										

The status of wells is not necessarily available for wells permitted prior to 2004. Authorized means the Permit was approved

Date Drilled and well depths are only available for wells that have had the well record submitted and entered into the database.

Well Permit numbers. After Sept 2008 the format of the well permit number was changed to accommodate the submission of online well permitting applications. The letter P (denotes a paper application) and E (denotes an electronic application) followed by the year and a consecutive number. Prior to September 2008 the permit numbers were based in the NJ Atlas Grid system.

Please note that this is NOT a Well Registry Report but a report on Well Permits issued by the Department and reflects the data provided in the permit and well record at the time of document submission and may not reflect the current information on lot and block, address or construction or ownership of the wells.

Well permits that were cancelled by the applicant (never constructed) or rescinded by the Department (prior to construction) are not displayed in the report.

Please note that if "REDACTED" appears in the report it means that the information is not available over the internet, but can be provided upon written request to the Bureau of Water Systems and Well Permitting.

Please refer to information available at:http://www.state.nj.us/dep/watersupply/well.htm for more information regarding detailed well searches if this report does not provide the information you need.

Well Type	Well Permit	Well Name	Permit Date	Drilling End Date	Status of well	Block	Lot	Municipality	County	Finished Depth	Units
Boring/Individual	2600010717		05/12/87		Decommissioned	75	1-7	Jersey City	Hudson		
	2600010718		05/12/87		Decommissioned	75	1-7	Jersey City	Hudson		
	2600010719		05/12/87		Decommissioned	75	1-7	Jersey City	Hudson		
	2600010720		05/12/87		Decommissioned	75	1-7	Jersey City	Hudson		
	2600010721		05/12/87		Decommissioned	75	1-7	Jersey City	Hudson		
	2600014381	DB7	10/11/88	10/14/88	Authorized	2145	45D	Jersey City	Hudson		
	2600014382	DB3	10/11/88	10/19/88	Authorized	2145	45D	Jersey City	Hudson		
	2600014383	DB11	10/11/88	10/25/88	Authorized	2145	43B	Jersey City	Hudson		

	2600014384	DB9	10/11/88	10/27/88	Authorized	2145	43B	Jersey City	Hudson		
	2600014387	DB10	10/11/88	10/26/88	Authorized	2145	50H	Jersey City	Hudson		
	2600014388	DB6	10/11/88	10/18/88	Authorized	2145	50H	Jersey City	Hudson		
	2600014389	DB8	10/11/88	10/19/88	Authorized	2145	42A	Jersey City	Hudson		
	2600014405	DB2	10/11/88	10/19/88	Authorized	2145	50H	Jersey City	Hudson		
	2600014411	DB5	10/11/88	11/11/88	Authorized	2145	50H	Jersey City	Hudson		
	2600014619	DB2	11/03/88	11/14/88	Authorized	2048	52	Jersey City	Hudson		
	2600014620	DB3	11/03/88	11/15/88	Authorized	2048	52	Jersey City	Hudson		
	2600014621	DB4	11/03/88	11/15/88	Authorized	2048	52	Jersey City	Hudson		
	2600014622	DB6	11/03/88	11/16/88	Authorized	2048	52	Jersey City	Hudson		
	2600014653	DB1	11/09/88	10/20/88	Authorized	2048	51	Jersey City	Hudson		
	2600017262		08/15/89		Decommissioned	1494, 1507	2.2B	Jersey City	Hudson		
	2600017263		08/15/89		Decommissioned	1494-15	2,2B,2R	Jersey City	Hudson		
	2600021089	B-1	07/11/90		Authorized	19	ALL	Jersey City	Hudson		
	2600021090	B-2	07/11/90		Authorized	19	ALL	Jersey City	Hudson		
	2600021091	B-3	07/11/90		Authorized	19	ALL	Jersey City	Hudson		
	2600024223	B-1	03/14/91		Authorized	287	5	Jersey City	Hudson		
	2600028333	B-1	01/28/92		Authorized	218	2	Jersey City	Hudson		
	2600028334	B-10	01/28/92		Authorized	20	4.01	Jersey City	Hudson		
	2600028336	B-4	01/28/92		Authorized	360	A 3	Jersey City	Hudson		
	2600028337	B-2	01/28/92		Authorized	253	13 - 20	Jersey City	Hudson		
	2600028338	B-3	01/28/92		Authorized	323	3	Jersey City	Hudson		
	2600028375	B-9	01/29/92		Authorized	395.1	2	Jersey City	Hudson		
	2600028376	B-8	01/29/92		Authorized	331	4	Jersey City	Hudson		
	2600028377	B-7	01/29/92		Authorized	261	11	Jersey City	Hudson		
	2600028378	B-6	01/29/92		Authorized	225	1	Jersey City	Hudson		
	2600028379	B-5	01/29/92		Authorized	395-1	M 7	Jersey City	Hudson		
	2600028977	B-13	03/19/92		Authorized	60	41	Jersey City	Hudson		
	2600028978	B-19	03/19/92		Authorized	2145	7	Jersey City	Hudson		
	2600029036	A-1	03/24/92		Authorized	20	4.02	Jersey City	Hudson		
	2600029037	A-2	03/24/92		Authorized	20	4.02	Jersey City	Hudson		
	2600029038	A-3	03/24/92		Authorized	20	4.02	Jersey City	Hudson		
	2600029039	A-6	03/24/92		Authorized	20	4.02	Jersey City	Hudson		
	2600029173	B-1	04/09/92		Authorized	2044.5	A1,A,A2,	Jersey City	Hudson		
	2600029174	B2	04/09/92		Authorized	2044,5	A1,AA2,0	Jersey City	Hudson		
	2600029175	B-4	04/09/92		Authorized	2044,5	A1,AA2,0	Jersey City	Hudson		
	2600029176	B8	04/09/92		Authorized	2044,5	A1,AA2,0	Jersey City	Hudson		

	2600029232	MW5	04/16/92		Authorized	1002	7	Jersey City	Hudson		
	2600029275	A-7	04/23/92		Authorized	20	4.02	Jersey City	Hudson		
	2600029276	A-8	04/23/92		Authorized	20	4.02	Jersey City	Hudson		
	2600030072	B-1	07/09/92		Authorized	N/A	N/A	Jersey City	Hudson		
	2600030073	B-2	07/09/92		Authorized	N/A	N/A	Jersey City	Hudson		
	2600030074	B-3	07/09/92		Authorized	N/A	N/A	Jersey City	Hudson		
	2600030075	B-4	07/09/92		Authorized	N/A	N/A	Jersey City	Hudson		
	2600030626	B-2	08/27/92		Authorized	7	4A,17,18	Jersey City	Hudson		
	2600030627	B-2	08/27/92		Authorized	7	4A,17,18	Jersey City	Hudson		
	2600030628	B-4	08/27/92		Authorized	7	4A,17,18	Jersey City	Hudson		
	2600030630	B-6	08/27/92		Authorized	7	4A,17,18	Jersey City	Hudson		
	2600030631	B-6	08/27/92		Authorized	7	4A,17,18	Jersey City	Hudson		
	2600030632		08/27/92		Authorized	7	4A,17,18	Jersey City	Hudson		
	2600030765	B-2	09/10/92		Authorized	1466	47-49	Jersey City	Hudson		
	2600030766	B-3	09/10/92		Authorized	1466	47-49	Jersey City	Hudson		
	2600030767	B-4	09/10/92		Authorized	1466	47-49	Jersey City	Hudson		
	2600030768	B-5	09/10/92		Authorized	1466	47-49	Jersey City	Hudson		
	2600030769	B-6	09/10/92		Authorized	1466	47-49	Jersey City	Hudson		
	2600031131	B-1C	10/13/92		Authorized	B-15	C-1,2,18	Jersey City	Hudson		
	2600031132	B-2	10/13/92		Authorized	B-15	C-1,2,18	Jersey City	Hudson		
	2600031133	B-3	10/13/92		Authorized	B-15	C-1,2,18	Jersey City	Hudson		
	2600031134	B-4	10/13/92		Authorized	B-15	C-1,2,18	Jersey City	Hudson		
	2600031135	B-5	10/13/92		Authorized	B-15	C-1,2,18	Jersey City	Hudson		
	2600031136	B-6	10/13/92		Authorized	B-15	C-1,2,18	Jersey City	Hudson		
	2600031137	B-7	10/13/92		Authorized	B-15	C-1,2,18	Jersey City	Hudson		
	2600031854	B1	12/10/92	12/14/92	Authorized	N/A	N/A	Jersey City	Hudson	47.00	ft
	2600033724	T5	06/08/93	06/21/93	Authorized	1200	34	Jersey City	Hudson		
	2600033725	T6	06/08/93	06/21/93	Authorized	1200	34	Jersey City	Hudson		
	2600033726	T7	06/08/93	06/23/93	Authorized	1200	34	Jersey City	Hudson		
	2600033727	T8	06/08/93	06/28/93	Authorized	1200	13	Jersey City	Hudson		
	2600033728	T9	06/08/93	06/24/93	Authorized	1200	33	Jersey City	Hudson		
	2600033729	T10	06/08/93	09/09/93	Authorized	1200	13	Jersey City	Hudson		
	2600033979	T11	07/06/93	09/14/93	Authorized	1101	2	Jersey City	Hudson		
	2600033980	T12	07/06/93	08/09/93	Authorized	1101	2	Jersey City	Hudson		
	2600033981	T13	07/06/93	08/04/93	Authorized	1101	2	Jersey City	Hudson		
	2600033982	T-14	07/06/93	07/29/93	Authorized	1101	2	Jersey City	Hudson	89.00	ft
	2600033983	T15	07/06/93	07/28/93	Authorized	1101	2	Jersey City	Hudson		

	2600033984	T16	07/06/93	07/22/93	Authorized	1101	2	Jersey City	Hudson		
	2600033990	T17	07/06/93	07/21/93	Decommissioned	1000	104C105A	Jersey City	Hudson		
	2600033991	T18	07/06/93	07/15/93	Decommissioned	1000	104C105A	Jersey City	Hudson		
	2600034607	MDB5	09/07/93	09/14/93	Decommissioned	404	1	Jersey City	Hudson		
	2600034608	MDB6	09/07/93	09/13/93	Decommissioned	404	1	Jersey City	Hudson		
	2600034609	MDB7	09/07/93	09/13/93	Decommissioned	404	1	Jersey City	Hudson		
	2600034610	MDB8	09/07/93	09/10/93	Decommissioned	404	1	Jersey City	Hudson		
	2600034611	MDB9	09/07/93	09/14/93	Decommissioned	404	1	Jersey City	Hudson		
	2600034983		10/14/93	10/25/93	Authorized	1507	10	Jersey City	Hudson	75.00	ft
	2600035014	B1	10/21/93	10/22/93	Authorized	NA	NA	Jersey City	Hudson	29.00	ft
	2600035153	BLANKET	11/04/93	11/09/93	Authorized	2154	33,39	Jersey City	Hudson	55.00	ft
	2600035271	B-101	11/16/93	11/18/93	Authorized	375	52	Jersey City	Hudson	75.00	ft
	2600035616	1	01/04/94	01/05/94	Authorized	15	H	Jersey City	Hudson	42.00	ft
	2600035617	2	01/04/94	01/05/94	Authorized	15	H	Jersey City	Hudson	52.00	ft
	2600035618	3	01/04/94	01/06/94	Authorized	15	H	Jersey City	Hudson	62.00	ft
	2600035743	T-9A-11	01/20/94	02/17/94	Authorized	200	13	Jersey City	Hudson	132.00	ft
	2600036163	BH-18	02/25/94	04/07/94	Decommissioned	60	4	Jersey City	Hudson	65.00	ft
	2600036164	BH24	02/25/94	03/22/94	Decommissioned	712	B	Jersey City	Hudson	102.00	ft
	2600036165	BH-19	02/25/94	03/02/94	Decommissioned	170.1	1A	Jersey City	Hudson	59.00	ft
	2600036169	BH-21	02/25/94	04/15/94	Decommissioned	19	A	Jersey City	Hudson	80.00	ft
	2600036170	BH-8	02/25/94	05/02/94	Decommissioned	1290.1	14.11	Jersey City	Hudson	42.00	ft
	2600036171	BH-5	02/25/94	03/21/94	Decommissioned	2020	3	Jersey City	Hudson	44.00	ft
	2600036175	BH-22A	02/25/94	03/15/94	Decommissioned	N/A	N/A	Jersey City	Hudson	63.00	ft
	2600036274	B-1	03/15/94	05/13/94	Authorized	708	A-11	Jersey City	Hudson	82.00	ft
	2600036489	B-20	03/30/94	04/13/94	Decommissioned	1.3	1.05	Jersey City	Hudson	46.00	ft
	2600036496	BH-17	03/30/94	05/03/94	Decommissioned	2145.1	47T	Jersey City	Hudson	127.00	ft
	2600036737	B-1	04/26/94	05/11/94	Decommissioned	1101	2	Jersey City	Hudson	112.00	ft
	2600036738	B-2	04/26/94	05/12/94	Decommissioned	1101	2	Jersey City	Hudson	127.00	ft
	2600036739	B-3	04/26/94	05/13/94	Decommissioned	1101	2	Jersey City	Hudson	130.00	ft
	2600037153	B1	06/03/94	06/22/94	Decommissioned	139	1.3, 2-4	Jersey City	Hudson		
	2600037168	G-7	06/07/94	07/12/94	Decommissioned	1200	39-A	Jersey City	Hudson	84.00	ft
	2600037169	G8T108	06/07/94	07/14/94	Decommissioned	1200	39-A	Jersey City	Hudson		
	2600037170	G-10 T-110	06/07/94	06/27/94	Authorized	1200	57-C	Jersey City	Hudson	70.00	ft
	2600037171	G-11 T111	06/07/94	06/30/94	Authorized	1200	57-C	Jersey City	Hudson	80.00	ft
	2600037232	BH-7	06/15/94	06/20/94	Decommissioned	N/A	N/A	Jersey City	Hudson	89.00	ft
	2600037233	BH-6	06/15/94	06/19/94	Decommissioned	N/A	N/A	Jersey City	Hudson	34.00	ft
	2600037234	BH-18A	06/15/94	06/24/94	Decommissioned	N/A	N/A	Jersey City	Hudson	90.00	ft

	2600037235	BH-16	06/15/94	06/26/94	Decommissioned	N/A	N/A	Jersey City	Hudson	34.00	ft
	2600037802	B4,5,7	08/17/94	08/23/94	Decommissioned	1	402	Jersey City	Hudson	27.00	ft
	2600038005	B-1	09/15/94	09/30/94	Decommissioned	1788	29A	Jersey City	Hudson	45.00	ft
	2600038006	B2	09/15/94	09/30/94	Decommissioned	1788	29A	Jersey City	Hudson	40.00	ft
	2600038007	B3	09/15/94	09/30/94	Decommissioned	1788	29A	Jersey City	Hudson	33.00	ft
	2600038008	B4	09/15/94	09/30/94	Decommissioned	1788	29A	Jersey City	Hudson	33.00	ft
	2600038065	P-1-14	09/19/94	10/19/94	Decommissioned	331	65,1,A5	Jersey City	Hudson	75.00	ft
	2600038714	BMY-2	11/07/94	12/06/94	Decommissioned	2044.3	A,H	Jersey City	Hudson	46.00	ft
	2600038716	BMY-4	11/07/94	12/08/94	Decommissioned	2044.3	A,H	Jersey City	Hudson	56.00	ft
	2600038718	BMY-8	11/07/94	12/12/94	Decommissioned	2044.3	A,H	Jersey City	Hudson	46.00	ft
	2600038846	B1	11/16/94	11/29/94	Authorized	15	11	Jersey City	Hudson	57.00	ft
	2600038847	B2	11/16/94	11/29/94	Authorized	15	11	Jersey City	Hudson	61.00	ft
	2600038848	B3	11/16/94	11/23/94	Authorized	15	11	Jersey City	Hudson	61.00	ft
	2600038849	B4	11/16/94	11/22/94	Authorized	15	11	Jersey City	Hudson	66.00	ft
	2600038850	B5	11/16/94	11/23/94	Authorized	15	11	Jersey City	Hudson	57.00	ft
	2600038853	B1	11/16/94	12/01/94	Authorized	15	21	Jersey City	Hudson	37.00	ft
	2600038854	B2	11/16/94	11/30/94	Authorized	15	21	Jersey City	Hudson	42.00	ft
	2600038855	B3	11/16/94	11/30/94	Authorized	15	21	Jersey City	Hudson	42.00	ft
	2600038856	B4	11/16/94	12/01/94	Authorized	15	21	Jersey City	Hudson	42.00	ft
	2600038857	B5	11/16/94	12/02/94	Authorized	15	21	Jersey City	Hudson	42.00	ft
	2600038858	B6	11/16/94	12/01/94	Authorized	15	21	Jersey City	Hudson	42.00	ft
	2600038859	B7	11/16/94	11/30/94	Authorized	15	21	Jersey City	Hudson	52.00	ft
	2600038860	B8	11/16/94	12/02/94	Authorized	15	21	Jersey City	Hudson	42.00	ft
	2600039180	6	12/27/94	12/29/94	Decommissioned	1788	29A	Jersey City	Hudson	29.00	ft
	2600039181	5	12/27/94	12/22/94	Decommissioned	1788	29A	Jersey City	Hudson	40.00	ft
	2600039259		01/05/95	01/27/95	Authorized	N/A	N/A	Jersey City	Hudson	31.00	ft
	2600039474	BS10-07A	02/02/95	02/08/95	Decommissioned	N/A	N/A	Jersey City	Hudson	41.00	ft
	2600039475	BS10-08	02/02/95	02/08/95	Decommissioned	N/A	N/A	Jersey City	Hudson	70.00	ft
	2600039476	BS10-01	02/02/95	02/15/95	Decommissioned	N/A	N/A	Jersey City	Hudson	70.00	ft
	2600039477	BS10-02	02/02/95	02/14/95	Decommissioned	N/A	N/A	Jersey City	Hudson	50.00	ft
	2600039478	BS10-03	02/02/95	02/13/95	Decommissioned	N/A	N/A	Jersey City	Hudson	76.00	ft
	2600039479	BS10-04	02/02/95	02/13/95	Decommissioned	N/A	N/A	Jersey City	Hudson	50.00	ft
	2600039480	BS10-05	02/02/95	02/14/95	Decommissioned	N/A	N/A	Jersey City	Hudson	60.00	ft
	2600039481	BS10-06	02/02/95	02/16/95	Decommissioned	N/A	N/A	Jersey City	Hudson	39.00	ft
	2600039482	BS20-40	02/02/95	04/24/95	Decommissioned	N/A	N/A	Jersey City	Hudson	113.00	ft
	2600039483	BS20-29	02/02/95	03/02/95	Decommissioned	N/A	N/A	Jersey City	Hudson	36.00	ft
	2600039484	BS20-30	02/02/95	02/22/95	Decommissioned	N/A	N/A	Jersey City	Hudson	46.00	ft

	2600039485	BS20-31	02/02/95	02/25/95	Decommissioned	N/A	N/A	Jersey City	Hudson	74.00	ft
	2600039486	BS20-32	02/02/95	02/20/95	Decommissioned	N/A	N/A	Jersey City	Hudson	62.00	ft
	2600039487	BS20-33	02/02/95	02/20/95	Decommissioned	N/A	N/A	Jersey City	Hudson	28.00	ft
	2600039488	BS20-43	02/02/95	02/20/95	Decommissioned	N/A	N/A	Jersey City	Hudson	35.00	ft
	2600039489	BS20-44	02/02/95	02/18/95	Decommissioned	N/A	N/A	Jersey City	Hudson	90.00	ft
	2600039490	BS20-45	02/02/95	02/17/95	Decommissioned	N/A	N/A	Jersey City	Hudson	96.00	ft
	2600039492	BS20-47	02/02/95	02/18/95	Decommissioned	N/A	N/A	Jersey City	Hudson	87.00	ft
	2600039656	BS20-21	02/17/95	02/23/95	Decommissioned	1505	A & B	Jersey City	Hudson	25.00	ft
	2600039657	BS20-22	02/17/95	02/23/95	Decommissioned	1505	A & B	Jersey City	Hudson	30.00	ft
	2600039658	BS20-23	02/17/95	02/22/95	Decommissioned	1505	A & B	Jersey City	Hudson	30.00	ft
	2600039660	BS20-25	02/17/95	02/22/95	Decommissioned	1505	A & B	Jersey City	Hudson	32.00	ft
	2600039661	BS20-26	02/17/95	02/21/95	Decommissioned	1505	A & B	Jersey City	Hudson	25.00	ft
	2600039662	BS20-27	02/17/95	02/22/95	Decommissioned	1505	A & B	Jersey City	Hudson	30.00	ft
	2600039667	BS20-14	02/17/95	02/27/95	Decommissioned	1507	1	Jersey City	Hudson	37.00	ft
	2600039745	BW10-14	02/23/95	03/07/95	Decommissioned	1969.1	49	Jersey City	Hudson	30.00	ft
	2600039746	BW10-17	02/23/95	03/13/95	Decommissioned	1969.1	49-95	Jersey City	Hudson	26.00	ft
	2600039751	BW10-05	02/23/95	03/15/95	Decommissioned	1999	G-1,G-2	Jersey City	Hudson	35.00	ft
	2600039753	BW10-07	02/23/95	03/13/95	Decommissioned	1999	61A	Jersey City	Hudson	35.00	ft
	2600039755	BW10-08	02/23/95	04/11/95	Decommissioned	2000	A-6,28-A	Jersey City	Hudson	28.00	ft
	2600039756	BW10-15	02/23/95	03/10/95	Decommissioned	2000	A-6,28-A	Jersey City	Hudson	40.00	ft
	2600039757	BW10-11	02/23/95	03/08/95	Decommissioned	NA	NA	Jersey City	Hudson	29.00	ft
	2600039758	BW10-12	02/23/95	03/08/95	Decommissioned	NA	NA	Jersey City	Hudson	36.00	ft
	2600039759	BW10-10	02/23/95	03/08/95	Decommissioned	1973	M	Jersey City	Hudson	32.00	ft
	2600039760	BW10-22	02/23/95	03/15/95	Decommissioned	1948.5	4B	Jersey City	Hudson	52.00	ft
	2600039762	BW10-20	02/23/95	03/09/95	Decommissioned	2026.1	1	Jersey City	Hudson	56.00	ft
	2600039764	BW10-16	02/23/95	03/10/95	Decommissioned	2001	22	Jersey City	Hudson	40.00	ft
	2600039766	BW10-24	02/23/95	03/07/95	Decommissioned	2044.4	A	Jersey City	Hudson	65.00	ft
	2600039767	BW10-19	02/23/95	03/09/95	Decommissioned	1974.5	T	Jersey City	Hudson	34.00	ft
	2600039877	B3	03/06/95	03/21/95	Authorized	15	1,7,C.21	Jersey City	Hudson	65.00	ft
	2600039878	B1	03/06/95	03/16/95	Authorized	15	1,7,C.21	Jersey City	Hudson	35.00	ft
	2600039879	B2	03/06/95	03/16/95	Authorized	15	1,7,C.21	Jersey City	Hudson	49.00	ft
	2600039918	BW20-03	03/09/95	04/06/95	Decommissioned	1788	27-A	Jersey City	Hudson	57.00	ft
	2600039919	BW20-04	03/09/95	03/17/98	Decommissioned	1788	27-A	Jersey City	Hudson	99.00	ft
	2600039920	BW20-05	03/09/95	04/06/95	Decommissioned	1788	27-A	Jersey City	Hudson	34.00	ft
	2600039922	BW10-22W	03/09/95	03/14/95	Decommissioned	1967	15	Jersey City	Hudson	41.00	ft
	2600039923	BW10-2OW	03/09/95	03/13/95	Decommissioned	2022	91A	Jersey City	Hudson	45.00	ft
	2600039924	BW20-02	03/09/95	03/21/95	Decommissioned	1776	D-1	Jersey City	Hudson	57.00	ft

	2600039925	BW20-01	03/09/95	03/20/95	Decommissioned	1776	D-1	Jersey City	Hudson	57.00	ft
	2600039996	TB-1	03/16/95	04/01/95	Decommissioned	1378	F9	Jersey City	Hudson	34.00	ft
	2600040004	GF-1	03/16/95	03/23/95	Decommissioned	2020	1-B1F 3	Jersey City	Hudson	93.00	ft
	2600040005	GF-2	03/16/95	03/27/95	Decommissioned	2020	1-B1F 3	Jersey City	Hudson	91.00	ft
	2600040006	GF-3	03/16/95	03/30/95	Decommissioned	2020	1-F	Jersey City	Hudson	85.00	ft
	2600040007	GF-4	03/16/95	03/29/95	Decommissioned	2020	1-F	Jersey City	Hudson	85.00	ft
	2600040008	GF-5	03/16/95	04/01/95	Decommissioned	2020	1-F	Jersey City	Hudson	70.00	ft
	2600040009	GF-6	03/16/95	03/29/95	Decommissioned	2020	3	Jersey City	Hudson	45.00	ft
	2600040010	GF-7	03/16/95	03/24/95	Decommissioned	2020	3	Jersey City	Hudson	50.00	ft
	2600040011	GF-8	03/16/95	03/27/95	Decommissioned	2033	1-G	Jersey City	Hudson	51.00	ft
	2600040012	GF-9	03/16/95	03/27/95	Decommissioned	2033	1-G	Jersey City	Hudson	46.00	ft
	2600040014	GF-11	03/16/95	03/28/95	Decommissioned	2033	2A	Jersey City	Hudson	45.00	ft
	2600040015	GF-12	03/16/95	03/28/95	Decommissioned	2033	A3	Jersey City	Hudson	55.00	ft
	2600040016	GF-13	03/16/95	03/28/95	Decommissioned	2033	A3	Jersey City	Hudson	35.00	ft
	2600040017	B40	03/16/95	04/04/95	Decommissioned	N/A	N/A	Jersey City	Hudson	107.00	ft
	2600040019	BC30-02	03/16/95	04/13/95	Decommissioned	15	1-D-D-1	Jersey City	Hudson	30.00	ft
	2600040020	BC30-04	03/16/95	04/10/95	Decommissioned	15	1-D-D-1	Jersey City	Hudson	60.00	ft
	2600040021	BC30-05	03/16/95	04/12/95	Decommissioned	15	1-D-D-1	Jersey City	Hudson	60.00	ft
	2600040022	BC40-02	03/16/95	04/10/95	Decommissioned	19	A 11	Jersey City	Hudson	85.00	ft
	2600040023	BC40-03	03/16/95	04/10/95	Decommissioned	19	A 11	Jersey City	Hudson	95.00	ft
	2600040024	BC40-04	03/16/95	04/04/95	Decommissioned	19	A 11	Jersey City	Hudson	100.00	ft
	2600040025	BC40-05	03/16/95	04/06/95	Decommissioned	19	A 11	Jersey City	Hudson	64.00	ft
	2600040026	BC40-07	03/16/95	04/03/95	Decommissioned	19	A 11	Jersey City	Hudson	51.00	ft
	2600040027	BC30-01N	03/16/95	05/02/95	Decommissioned	10	3	Jersey City	Hudson		
	2600040028	BC30-01	03/16/95	06/22/95	Decommissioned	10	2	Jersey City	Hudson		
	2600040030	BC10-02	03/20/95	04/13/95	Decommissioned			Jersey City	Hudson	50.00	ft
	2600040031	BC10-03	03/20/95	04/26/95	Decommissioned			Jersey City	Hudson	35.00	ft
	2600040032	BC10-10	03/20/95	04/17/95	Decommissioned			Jersey City	Hudson	119.00	ft
	2600040033	BC10-11	03/20/95	04/11/95	Decommissioned			Jersey City	Hudson	51.00	ft
	2600040034	BC10-12	03/20/95		Decommissioned			Jersey City	Hudson		
	2600040035	BC10-13	03/20/95	04/27/95	Decommissioned			Jersey City	Hudson	81.00	ft
	2600040037	BC10-04	03/20/95	04/25/95	Decommissioned			Jersey City	Hudson	53.00	ft
	2600040038	BC10-05	03/20/95	04/18/95	Decommissioned			Jersey City	Hudson	90.00	ft
	2600040041	BC10-08	03/20/95	04/26/95	Decommissioned			Jersey City	Hudson	81.00	ft
	2600040042	BC10-09	03/20/95	04/27/95	Decommissioned			Jersey City	Hudson	61.00	ft
	2600040044	BC20-01	03/20/95	05/03/95	Decommissioned			Jersey City	Hudson	125.00	ft
	2600040045	BC20-02	03/20/95	04/28/95	Decommissioned			Jersey City	Hudson	63.00	ft

	2600040046	BC20-03	03/20/95	05/09/95	Decommissioned			Jersey City	Hudson	74.00	ft
	2600040047	BC20-04	03/20/95	05/16/95	Decommissioned			Jersey City	Hudson	33.00	ft
	2600040048	BC20-05	03/20/95	05/18/95	Decommissioned			Jersey City	Hudson	36.00	ft
	2600040049	BC20-06	03/20/95	05/12/95	Decommissioned			Jersey City	Hudson	35.00	ft
	2600040159	B30-03	03/22/95	04/06/95	Decommissioned	109	A	Jersey City	Hudson	50.00	ft
	2600040161	BC40-01	03/22/95	04/07/95	Decommissioned	17	C	Jersey City	Hudson	95.00	ft
	2600040207	B-1	03/30/95	04/06/95	Decommissioned	1507	10.3	Jersey City	Hudson	42.00	ft
	2600040208	B-2	03/30/95	04/06/95	Decommissioned	1507	10.3	Jersey City	Hudson	42.00	ft
	2600040239	B-3	04/05/95	05/04/95	Authorized	10	5	Jersey City	Hudson	39.00	ft
	2600040277	BC30-07	04/11/95	05/04/95	Decommissioned	15	C29	Jersey City	Hudson		
	2600040340	B-13	04/17/95	05/08/95	Decommissioned	1101	98C	Jersey City	Hudson	62.00	ft
	2600040341	B-18	04/17/95	05/08/95	Decommissioned	1101	98C	Jersey City	Hudson	62.00	ft
	2600040342	B-37	04/17/95	05/05/95	Decommissioned	1101	98C	Jersey City	Hudson	107.00	ft
	2600040343	B-39	04/17/95	05/03/95	Decommissioned	1101	98C	Jersey City	Hudson	97.00	ft
	2600040344	B-53	04/17/95	05/04/95	Decommissioned	1101	98C	Jersey City	Hudson	102.00	ft
	2600040345	B-69	04/17/95	05/04/95	Decommissioned	1101	98C	Jersey City	Hudson	112.00	ft
	2600040388	BS20-25SE	04/19/95	06/15/95	Decommissioned	1440	A2	Jersey City	Hudson		
	2600040394	BS20-33E	04/19/95	05/25/95	Decommissioned	1492	3D	Jersey City	Hudson		
	2600040507	BC20-3E	05/02/95	05/15/95	Decommissioned	97	B	Jersey City	Hudson	34.00	ft
	2600040555	BC20-07	05/05/95	05/10/95	Decommissioned	7	1A	Jersey City	Hudson	6.00	ft
	2600040556	BC20-07A	05/05/95	05/11/95	Decommissioned	7	1A	Jersey City	Hudson	50.00	ft
	2600040694	B1	05/15/95	05/23/95	Decommissioned	376A	A	Jersey City	Hudson	82.00	ft
	2600040774	BC10-03E	05/22/95	06/16/95	Decommissioned	2048	H3	Jersey City	Hudson		
	2600040775	BC10-04S	05/22/95	06/19/95	Decommissioned	2048	H3	Jersey City	Hudson		
	2600040784	BLANKET	05/22/95	06/05/95	Decommissioned	NA	NA	Jersey City	Hudson	77.00	ft
	2600040879	BW10-19E	06/01/95	07/17/95	Decommissioned	2022	91A	Jersey City	Hudson		
	2600040881	BW10-02E	06/01/95	07/26/95	Decommissioned	1788	A	Jersey City	Hudson		
	2600040883	BW10-15N	06/01/95	07/09/95	Decommissioned	1968	B-1	Jersey City	Hudson		
	2600040884	BW10-16N	06/01/95	07/19/95	Decommissioned	1968	B-1	Jersey City	Hudson		
	2600040885	BW10-17S	06/01/95	07/13/95	Decommissioned	1968	B-1	Jersey City	Hudson		
	2600040886	BW10-18S	06/01/95	07/13/95	Decommissioned	1968	B-1	Jersey City	Hudson		
	2600040887	BW10-18E	06/01/95	07/09/95	Decommissioned	1968	B-1	Jersey City	Hudson		
	2600041049	SB 1	06/13/95	06/14/95	Authorized	2083	86-90,91F	Jersey City	Hudson	50.00	ft
	2600041111	BC30-08	06/20/95	07/11/95	Decommissioned	16	J	Jersey City	Hudson		
	2600041113	BW20-02E	06/20/95	07/05/95	Decommissioned	1788	A	Jersey City	Hudson		
	2600041114	BW20-04W	06/20/95	06/29/95	Decommissioned	1788	A	Jersey City	Hudson		
	2600041336	BC10-10	07/18/95	07/27/95	Decommissioned	2145	62	Jersey City	Hudson		

	2600041337	BC10-11	07/18/95	07/28/95	Decommissioned	60	19H	Jersey City	Hudson		
	2600041338	BC10-12	07/18/95	07/31/95	Decommissioned	60	19H	Jersey City	Hudson		
	2600041339	BC10-08	07/18/95	07/25/95	Decommissioned	2095.5	A	Jersey City	Hudson		
	2600041340	BC10-09	07/18/95	07/26/95	Decommissioned	2095.5	A	Jersey City	Hudson		
	2600041531	BC40-1S2	07/31/95	10/06/95	Decommissioned	17	C	Jersey City	Hudson	105.00	ft
	2600041532	BC40-1S1	07/31/95	09/28/95	Decommissioned	17	C	Jersey City	Hudson	109.00	ft
	2600041533	BC40-4N1	07/31/95	11/03/95	Decommissioned	19	A 11	Jersey City	Hudson	87.00	ft
	2600041536	BC40-2S1	07/31/95	11/19/95	Decommissioned	19	A 11	Jersey City	Hudson	100.00	ft
	2600042083	B-4	09/18/95	09/27/95	Decommissioned	1200	40A	Jersey City	Hudson	60.00	ft
	2600042084	B-5	09/18/95	09/25/95	Decommissioned	1200	40A	Jersey City	Hudson	73.00	ft
	2600042235	BC40-P10	10/02/95	10/16/95	Decommissioned	19	A-11	Jersey City	Hudson	105.00	ft
	2600042237	BC40P01	10/02/95	10/13/95	Decommissioned	19	A-11	Jersey City	Hudson	120.00	ft
	2600042238	BC40-P18	10/02/95	10/27/95	Decommissioned	N/A	N/A	Jersey City	Hudson	110.00	ft
	2600042239	BC40-P19N	10/02/95	10/19/95	Decommissioned	N/A	N/A	Jersey City	Hudson	95.00	ft
	2600042355	BC1013M	10/11/95	10/24/95	Decommissioned	2145	62	Jersey City	Hudson	51.00	ft
	2600042590	B-1	10/26/95	11/03/95	Decommissioned	1627.5	1	Jersey City	Hudson	42.00	ft
	2600042591	B-2	10/26/95	11/03/95	Decommissioned	1627.5	1	Jersey City	Hudson	62.00	ft
	2600042592	B-3	10/26/95	11/06/95	Decommissioned	1627.5	1	Jersey City	Hudson	42.00	ft
	2600042902	B-1	11/20/95	12/09/95	Decommissioned	15	26	Jersey City	Hudson	99.00	ft
	2600042903	B-2	11/20/95	12/15/95	Decommissioned	15	26	Jersey City	Hudson	58.00	ft
	2600042904	B-3	11/20/95	12/06/95	Decommissioned	15	26	Jersey City	Hudson	59.00	ft
	2600042905	B-4	11/20/95	12/01/95	Decommissioned	15	26	Jersey City	Hudson	70.00	ft
	2600042906	B-5	11/20/95	12/14/95	Decommissioned	15	26	Jersey City	Hudson	100.00	ft
	2600042907	B-6	11/20/95	11/30/95	Decommissioned	15	26	Jersey City	Hudson	72.00	ft
	2600043089	GM-1(B-1	12/12/95	12/28/95	Decommissioned	1507	PSN V1	Jersey City	Hudson		
	2600043090	GM-2(B-2	12/12/95	12/29/95	Decommissioned	1507	PSN V1	Jersey City	Hudson		
	2600043091	GM-3(B-3	12/12/95	01/04/96	Decommissioned	1507	PSN V1	Jersey City	Hudson		
	2600043698	BO-1	02/29/96	03/14/96	Authorized	1997	G-5A	Jersey City	Hudson		
	2600043699	BR-1	02/29/96	03/13/96	Authorized	1997	G-5A	Jersey City	Hudson		
	2600044078	B-2	03/25/96	03/28/96	Decommissioned	2154	1-C	Jersey City	Hudson	45.00	ft
	2600044079	B-1	03/25/96	03/28/96	Decommissioned	2154	1-C	Jersey City	Hudson	46.00	ft
	2600044314	B1	04/18/96	05/08/96	Authorized	1101	2	Jersey City	Hudson	80.00	ft
	2600044883	#1	06/28/96	07/11/96	Authorized	1751	10K1	Jersey City	Hudson	62.00	ft
	2600045013	B-1	07/12/96	07/30/96	Decommissioned	NA	NA	Jersey City	Hudson	21.00	ft
	2600045582	B-7	09/10/96	09/25/96	Authorized	1253.7	A1	Jersey City	Hudson	33.00	ft
	2600045619	B-13A	09/12/96	09/16/96	Decommissioned	1285	7, 7A	Jersey City	Hudson		
	2600045681	B1	09/17/96	09/18/96	Authorized	1285	7,7A	Jersey City	Hudson	52.00	ft

	2600045682	B2	09/17/96	09/18/96	Authorized	1285	7,7A	Jersey City	Hudson	52.00	ft
	2600045683	B3	09/17/96	09/18/96	Authorized	1285	7,7A	Jersey City	Hudson	42.00	ft
	2600046178	B-1	11/19/96	12/02/96	Authorized	1751	10N&10R	Jersey City	Hudson	45.00	ft
	2600046179	B-2	11/19/96	12/02/96	Authorized	1751	10N&10R	Jersey City	Hudson	35.00	ft
	2600047572	B-3	05/22/97	07/21/97	Authorized	217	1	Jersey City	Hudson	32.00	ft
	2600047672	B-1	06/03/97	06/16/97	Authorized	2127.5	IN-IP	Jersey City	Hudson	62.00	ft
	2600047675	B-1	05/29/97	06/11/97	Authorized	251	45	Jersey City	Hudson	35.00	ft
	2600048201	B-1	07/28/97	08/07/97	Decommissioned	1101	98C	Jersey City	Hudson	52.00	ft
	2600048477	SB-2	08/19/97	09/20/97	Authorized	1290.A	14J,14H	Jersey City	Hudson	107.00	ft
	2600048481	SB-1	08/19/97	09/30/97	Authorized	1746	E.2	Jersey City	Hudson	95.00	ft
	2600048607	B-6	08/26/97	09/16/97	Authorized	130,60	89B,30A	Jersey City	Hudson	55.00	ft
	2600048691	BN1S-01	09/04/97	12/04/97	Decommissioned	N/A	N/A	Jersey City	Hudson	70.00	ft
	2600048772	B-1	09/15/97	09/24/97	Decommissioned	1101	2	Jersey City	Hudson	120.00	ft
	2600048902	B-2	10/02/97	10/10/97	Authorized	N/A	N/A	Jersey City	Hudson	41.00	ft
	2600049005	BN15-9	10/16/97	11/26/97	Decommissioned	N/A	N/A	Jersey City	Hudson	80.00	ft
	2600049406	B-10	11/19/97	12/04/97	Authorized	168.A	4	Jersey City	Hudson	60.00	ft
	2600049439	B-1	11/25/97	12/19/97	Authorized	394	30	Jersey City	Hudson	101.00	ft
	2600049654	B-7	01/05/98	01/13/98	Authorized	217	1	Jersey City	Hudson	42.00	ft
	2600050337	B-121	03/25/98	04/24/98	Authorized	1500	15,28,29	Jersey City	Hudson	81.00	ft
	2600050466	B-3	04/13/98	04/22/98	Authorized	1507	10C	Jersey City	Hudson	90.00	ft
	2600051151	86+00	06/12/98	11/14/98	Decommissioned	NA	NA	Jersey City	Hudson	30.00	ft
	2600051481	B-8-W3	07/28/98	08/07/98	Authorized	1752	3 & 5	Jersey City	Hudson	37.00	ft
	2600052255	B-2	10/23/98	10/28/98	Decommissioned	173	118,114,116	Jersey City	Hudson	55.00	ft
	2600052344	B-5	11/02/98	11/19/98	Authorized	2145	55A,B,C	Jersey City	Hudson	102.00	ft
	2600052409	B-5	11/05/98	11/16/98	Authorized	418,419	F	Jersey City	Hudson	87.00	ft
	2600052587	S-14	12/04/98	01/11/99	Decommissioned	N/A	N/A	Jersey City	Hudson	107.00	ft
	2600053320	B-8	03/11/99	05/12/99	Authorized	1494	1 THRU 8	Jersey City	Hudson	49.00	ft
	2600053888	B-35	04/29/99	05/06/99	Authorized	2087	37A, 64	Jersey City	Hudson	42.00	ft
	2600053889	B-36	04/29/99	05/06/99	Authorized	2087	37A, 64	Jersey City	Hudson	42.00	ft
	2600054058	B-2	05/19/99	06/08/99	Decommissioned	1101	2	Jersey City	Hudson	116.00	ft
	2600054126	B-7	05/26/99	06/11/99	Authorized	1624	1-35,35	Jersey City	Hudson	75.00	ft
	2600054193	B-2	06/04/99	06/22/99	Decommissioned	284	B	Jersey City	Hudson	44.00	ft
	2600054204	B-1,2	06/07/99	06/10/99	Authorized	1751	10	Jersey City	Hudson	55.00	ft
	2600054220	B-6	06/09/99	06/30/99	Decommissioned	20	1.01	Jersey City	Hudson	44.00	ft
	2600054648	B-01	07/12/99	07/27/99	Authorized	N/A	N/A	Jersey City	Hudson	56.00	ft
	2600055224	AB-1	09/21/99	09/24/99	Authorized	N/A	N/A	Jersey City	Hudson	42.00	ft
	2600055345	B-1	09/28/99	10/13/99	Authorized	N/A	N/A	Jersey City	Hudson	52.00	ft

	2600055417	GPMW13S	10/04/99	10/18/99	Decommissioned	2101	13,7A,8	Jersey City	Hudson	40.00	ft
	2600055674	B-1	11/01/99	11/22/99	Decommissioned	60	33,33A	Jersey City	Hudson	47.00	ft
	2600055675	B-2	11/01/99	11/22/99	Decommissioned	60	33,33A	Jersey City	Hudson	41.00	ft
	2600055980	G27	11/22/99	12/06/99	Authorized	1775.1	82	Jersey City	Hudson	62.00	ft
	2600056099	B-11	12/06/99	01/07/00	Authorized	10	112	Jersey City	Hudson	35.00	ft
	2600056399	B-2	01/14/00	02/10/00	Decommissioned	652	4	Jersey City	Hudson	72.00	ft
	2600056457	SB1	01/24/00	02/22/00	Authorized	2057	18	Jersey City	Hudson	62.00	ft
	2600056467	6	01/26/00	02/01/00	Authorized	N/A	N/A	Jersey City	Hudson	52.00	ft
	2600056783	B201	03/07/00	03/13/00	Authorized	1494	22-23-1	Jersey City	Hudson	37.00	ft
	2600056865	BLANKET	03/14/00	05/15/00	Authorized	N/A	N/A	Jersey City	Hudson	83.00	ft
	2600056870	B#18E4	03/14/00	03/27/00	Authorized	19	7	Jersey City	Hudson	82.00	ft
	2600057003	MR-13	03/30/00	03/31/00	Authorized	N/A	N/A	Jersey City	Hudson	192.00	ft
	2600057090	BLANKET	04/05/00	04/27/00	Authorized	36	1A	Jersey City	Hudson	42.00	ft
	2600057185	B-1	04/13/00	04/19/00	Authorized	205	32	Jersey City	Hudson	50.00	ft
	2600057354	RG23-34	04/24/00	11/08/00	Decommissioned	N/A	N/A	Jersey City	Hudson	3,330.00	ft
	2600057355	MW3-8	04/24/00	11/08/00	Decommissioned	N/A	N/A	Jersey City	Hudson	4,244.00	ft
	2600057356	ML8-48	04/24/00	11/08/00	Decommissioned	N/A	N/A	Jersey City	Hudson	1,400.00	ft
	2600057463	BLANKET	04/28/00	05/15/00	Authorized			Jersey City	Hudson	169.00	ft
	2600057640	B1 - B2	05/17/00	05/18/00	Authorized	2066	S1	Jersey City	Hudson	50.00	ft
	2600057746	LB-1	05/30/00	06/05/00	Authorized	37	1F	Jersey City	Hudson	45.00	ft
	2600057821	B-6	06/07/00	06/16/00	Decommissioned	60	31A/32A	Jersey City	Hudson	50.00	ft
	2600057912	BLANKET	06/19/00	10/17/00	Authorized	--	--	Jersey City	Hudson	64.00	ft
	2600057947	B-1	06/22/00	07/14/00	Authorized	N/A	N/A	Jersey City	Hudson	50.00	ft
	2600057948	B-1	06/22/00	07/11/00	Decommissioned	205	4A-34	Jersey City	Hudson	65.00	ft
	2600057976	B-1	06/23/00	07/03/00	Authorized	1492	13.01	Jersey City	Hudson	90.00	ft
	2600058258	B-3	07/27/00	08/17/00	Authorized	N/A	N/A	Jersey City	Hudson	127.00	ft
	2600058760	B-5	09/05/00	09/20/00	Authorized	N/A	N/A	Jersey City	Hudson	30.00	ft
	2600058796	LB-1	09/07/00	09/19/00	Authorized	324	5	Jersey City	Hudson	50.00	ft
	2600058844	FB1	09/13/00	09/27/00	Decommissioned	690	6-5	Jersey City	Hudson	50.00	ft
	2600058888	B-1	09/20/00	10/12/00	Authorized	1492	13	Jersey City	Hudson	100.00	ft
	2600059188	SB1-2	10/12/00	10/26/00	Authorized	1702.1	1	Jersey City	Hudson	50.00	ft
	2600059235	B-4	10/16/00	11/01/00	Decommissioned	N/A	N/A	Jersey City	Hudson	56.00	ft
	2600059480	BLANKET	11/02/00	11/27/00	Authorized	1500	8	Jersey City	Hudson	72.00	ft
	2600059532	SB-LB6	11/13/00	12/11/00	Authorized	F 1	37	Jersey City	Hudson	65.00	ft
	2600059665	BLANKET	11/17/00	03/10/01	Authorized	--	--	Jersey City	Hudson	47.00	ft
	2600059812	B-3	11/30/00	12/04/00	Authorized	324-361	S-4 TPL	Jersey City	Hudson	70.00	ft
	2600059868	B1	12/05/00	12/28/00	Decommissioned	1.15	20	Jersey City	Hudson	42.00	ft

	2600059881	B-7	12/05/00	12/27/00	Authorized	15	28	Jersey City	Hudson	75.00	ft
	2600059979	B-5	12/19/00	01/23/01	Decommissioned	N/A	N/A	Jersey City	Hudson	32.00	ft
	2600060020	B-6	12/27/00	01/23/01	Authorized	60	A,27	Jersey City	Hudson	75.00	ft
	2600060066	GP19	01/04/01	01/29/01	Decommissioned	2101	10	Jersey City	Hudson	50.00	ft
	2600060067	GP20	01/04/01	01/30/01	Decommissioned	2101	10	Jersey City	Hudson	50.00	ft
	2600060286	#19	01/29/01	02/27/01	Decommissioned	75	1 & 152	Jersey City	Hudson	37.00	ft
	2600060299	B-1	02/01/01	02/13/01	Decommissioned	185	1-12	Jersey City	Hudson	68.00	ft
	2600060626	BLANKET	03/15/01	03/19/01	Decommissioned	20	5.15	Jersey City	Hudson	76.00	ft
	2600060628	B1	03/19/01	03/27/01	Authorized	20	1.14	Jersey City	Hudson	80.00	ft
	2600060939	DB#1	04/09/01	04/25/01	Decommissioned	16,17,	2,15,3,	Jersey City	Hudson	102.00	ft
	2600060969	B105	04/10/01	04/26/01	Authorized	1288.1	14.02	Jersey City	Hudson	0.00	ft
	2600061139	B-34	04/18/01	05/17/01	Decommissioned	1500	24-30	Jersey City	Hudson	112.00	ft
	2600061249	B19	05/02/01	05/23/01	Authorized	4	166	Jersey City	Hudson	27.00	ft
	2600061408	B2	05/25/01	06/15/01	Authorized	N/A	N/A	Jersey City	Hudson	52.00	ft
	2600062154	SB-30	07/26/01	08/13/01	Decommissioned	20	1.01	Jersey City	Hudson	40.00	ft
	2600062176	SB-1-SB14	07/31/01	10/09/01	Authorized	170.1	1.A,4	Jersey City	Hudson	80.00	ft
	2600062236	E1	08/08/01	08/14/01	Decommissioned	ROW	ROW	Jersey City	Hudson	51.00	ft
	2600062323	B-1E5	08/17/01	08/23/01	Authorized	1507	E	Jersey City	Hudson	42.00	ft
	2600062576	OSB-8	09/14/01	10/15/01	Decommissioned	20	5.02	Jersey City	Hudson	47.00	ft
	2600062577	SB-3	09/14/01	10/12/01	Authorized	15	26	Jersey City	Hudson	40.00	ft
	2600063041	BLANKET	11/14/01	06/11/02	Authorized			Jersey City	Hudson	86.00	ft
	2600063582	B-2	01/30/02	02/14/02	Decommissioned	60	40441	Jersey City	Hudson	102.00	ft
	2600063583	B-3	01/30/02	02/15/02	Decommissioned	60	40441	Jersey City	Hudson	112.00	ft
	2600063711	B-1	02/21/02	02/26/02	Decommissioned	673	4.C,A.PL	Jersey City	Hudson	62.00	ft
	2600063712	B-2	02/21/02	02/26/02	Decommissioned	673	4.C,A.PL	Jersey City	Hudson	62.00	ft
	2600064028	B1	03/22/02	04/05/02	Authorized	218	2,B2	Jersey City	Hudson	56.00	ft
	2600064029	B2	03/22/02	04/01/02	Authorized	218	2,B2	Jersey City	Hudson	55.00	ft
	2600064030	B3	03/22/02	04/04/02	Authorized	218	2,B2	Jersey City	Hudson	74.00	ft
	2600064031	B4	03/22/02	04/02/02	Authorized	218	2,B2	Jersey City	Hudson	35.00	ft
	2600064032	B5	03/22/02	04/03/02	Authorized	218	2,B2	Jersey City	Hudson	68.00	ft
	2600064721	B-1	05/24/02	05/28/02	Authorized	1497	3M1/3M2	Jersey City	Hudson	78.00	ft
	2600064722	B-2	05/24/02	05/22/02	Authorized	1497	3M1/3M2	Jersey City	Hudson	35.00	ft
	2600064723	B-3	05/24/02	05/28/02	Authorized	1497	3M1/3M2	Jersey City	Hudson	65.00	ft
	2600064724	B-4	05/24/02	05/29/02	Authorized	1497	3M1/3M2	Jersey City	Hudson	60.00	ft
	2600064725	B-5	05/24/02	05/15/02	Authorized	1497	3M1/3M2	Jersey City	Hudson	47.00	ft
	2600064726	B-6	05/24/02	05/21/02	Authorized	1497	3M1/3M2	Jersey City	Hudson	50.00	ft
	2600064727	B-7	05/24/02	05/21/02	Authorized	1497	3M1/3M2	Jersey City	Hudson	53.00	ft

	2600064728	B-8	05/24/02	05/20/02	Authorized	1497	3M1/3M2	Jersey City	Hudson	55.00	ft
	2600065001	BOR K-5	06/26/02	07/29/02	Authorized	N/A	N/A	Jersey City	Hudson	148.00	ft
	2600065201	R-56	07/16/02	10/24/02	Authorized			Jersey City	Hudson	118.00	ft
	2600065975	B-1 (TOWER 1/2A)	10/16/02	10/25/02	Authorized	673-681	4C,1.B,3	Jersey City	Hudson	67.00	ft
	2600066652	OSB-16	01/15/03	02/20/03	Authorized	15	19	Jersey City	Hudson	54.00	ft
	2600066653	OSB-21	01/15/03	02/19/03	Authorized	15	19	Jersey City	Hudson	54.00	ft
	2600066654	OSB-22	01/15/03	02/14/03	Authorized	15	19	Jersey City	Hudson	55.00	ft
	2600067087	B-1 THRU B-13	02/26/03	03/18/03	Authorized	2088	1.2	Jersey City	Hudson	74.00	ft
	2600067094	B-55	03/03/03	03/28/03	Active	304,340	--	Jersey City	Hudson	162.00	ft
	2600067448		04/02/03		Authorized	A	363	Jersey City	Hudson		
	2600068193	RSSB-4	06/11/03	08/25/03	Authorized	20	2.43	Jersey City	Hudson	72.00	ft
	2600068320	AB-1	06/28/03	07/09/03	Authorized	1746.05	H.04	Jersey City	Hudson	42.00	ft
	2600068321	AB-2	06/28/03	07/10/03	Authorized	1746.05	H.04	Jersey City	Hudson	46.00	ft
	2600068436	B-1	07/11/03	07/18/03	Authorized	1507	10B	Jersey City	Hudson	114.00	ft
	2600068437	B-2	07/11/03	07/28/03	Authorized	1507	10B	Jersey City	Hudson	115.00	ft
	2600068438	B-3	07/11/03	07/21/03	Authorized	1507	10B	Jersey City	Hudson	115.00	ft
	2600068439	B-4	07/11/03	07/24/03	Authorized	1507	10B	Jersey City	Hudson	110.00	ft
	2600068563	B-1	07/23/03	07/24/03	Authorized	15	7.01	Jersey City	Hudson	58.00	ft
	2600068564	B-2	07/23/03	08/01/03	Authorized	15	7.01	Jersey City	Hudson	54.00	ft
	2600068565	B-3	07/23/03	07/31/03	Authorized	15	7.01	Jersey City	Hudson	59.00	ft
	2600068566	B-4	07/23/03	07/25/03	Authorized	15	7.01	Jersey City	Hudson	65.00	ft
	2600068567		07/24/03		Authorized	1864	B-2-22	Jersey City	Hudson		
	2600069140	B-1	09/15/03	09/16/03	Authorized	130	1	Jersey City	Hudson	60.00	ft
	2600069141	B-2	09/15/03	09/17/03	Authorized	130	1	Jersey City	Hudson	65.00	ft
	2600069142		09/15/03		Authorized	130	1	Jersey City	Hudson		
	2600069360		10/02/03		Authorized	1286: 1286.5	5: 1	Jersey City	Hudson		
	2600069361		10/02/03		Authorized	1286: 1286.5	5: 1	Jersey City	Hudson		
	2600069852		11/20/03		Authorized	1290.1	14J,14H	Jersey City	Hudson		
	2600069853		11/20/03		Authorized	1290.1	14J,14H	Jersey City	Hudson		
	2600069854		11/20/03		Authorized	1290.1	14J,14H	Jersey City	Hudson		
	2600069855		11/20/03		Authorized	1290.1	14J,14H	Jersey City	Hudson		
	2600069856		11/20/03		Authorized	1290.1	14J,14H	Jersey City	Hudson		
	2600069857		11/20/03		Authorized	1290.1	14J,14H	Jersey City	Hudson		
	2600069858		11/20/03		Authorized	1290.1	14J,14H	Jersey City	Hudson		
	2600069859		11/20/03		Authorized	1290.1	14J,14H	Jersey City	Hudson		
	2600069889	SB-11	11/25/03	12/12/03	Authorized	656.1	1	Jersey City	Hudson	75.50	ft

	2600069890	SB-12	11/25/03	12/10/03	Authorized	656.1	1	Jersey City	Hudson	76.00	ft
	2600069891	SB-13	11/25/03	12/16/03	Authorized	656.1	1	Jersey City	Hudson	85.00	ft
	2600069892	SB-14	11/25/03	12/09/03	Authorized	656.1	1	Jersey City	Hudson	74.00	ft
	2600069893	SB-15	11/25/03	12/20/03	Authorized	656.1	1	Jersey City	Hudson	91.00	ft
	2600069991	B-1	12/17/03	01/30/04	Decommissioned	00306	B	Jersey City	Hudson	57.50	ft
	2600070024		12/23/03		Authorized	220-221	A-5	Jersey City	Hudson		
	2600070025		12/23/03		Authorized	220-221	A-5	Jersey City	Hudson		
	2600070196		02/03/04		Authorized	2044	25A	Jersey City	Hudson		
	2600070197		02/03/04		Authorized	2044	25A	Jersey City	Hudson		
	2600070198		02/03/04		Authorized	2044	25A	Jersey City	Hudson		
	2600070199		02/03/04		Authorized	2044	25A	Jersey City	Hudson		
	2600070200		02/03/04		Authorized	2044	25A	Jersey City	Hudson		
	2600070201		02/03/04		Authorized	2045	25A	Jersey City	Hudson		
	2600070202		02/03/04		Authorized	2045	25A	Jersey City	Hudson		
	2600070203		02/03/04		Authorized	2045	25A	Jersey City	Hudson		
	2600070204		02/03/04		Authorized	2045	25A	Jersey City	Hudson		
	2600070205		02/03/04		Authorized	2045	25A	Jersey City	Hudson		
	2600070331	LB-1	02/18/04	02/25/04	Authorized	1001, 1000, 1100	1	Jersey City	Hudson	50.10	ft
	2600070332	LB-2	02/18/04	02/23/04	Authorized	1001, 1000, 1100	1	Jersey City	Hudson	125.30	ft
	2600070333	LB-3	02/18/04	02/20/04	Authorized	1001, 1000, 1100	1	Jersey City	Hudson	135.00	ft
	2600070481	LB-4-6	02/20/04	02/25/04	Authorized	1002	2	Jersey City	Hudson	55.80	ft
	2600070689	SB-23	03/04/04	04/13/04	Authorized	2026.1	3,4,5	Jersey City	Hudson	91.00	ft
	2600070690	SB-24	03/04/04	04/09/04	Authorized	2026.1	3,4,5	Jersey City	Hudson	83.00	ft
	2600070691	SB-25	03/04/04	04/15/04	Authorized	2026.1	3,4,5	Jersey City	Hudson	95.00	ft
	2600070692	SB-26	03/04/04	04/19/04	Authorized	2026.1	3,4,5	Jersey City	Hudson	80.00	ft
	2600070907	1	03/31/04	04/05/04	Authorized	N/A	N/A	Jersey City	Hudson	46.10	ft
	2600070908	2	03/31/04	04/05/04	Authorized	N/A	N/A	Jersey City	Hudson	46.17	ft
	2600070953	B-1	04/06/04	05/03/04	Authorized	168.01	1-A	Jersey City	Hudson	52.00	ft
	2600070954	B 3	04/06/04	06/20/04	Authorized	168.01	1-A	Jersey City	Hudson	60.00	ft
	2600070955	B 2	04/06/04	06/20/04	Authorized	168.01	1-A	Jersey City	Hudson	60.00	ft
	2600070956		04/06/04		Authorized	168.01	1-A	Jersey City	Hudson		
	2600070957		04/06/04		Authorized	168.01	1-A	Jersey City	Hudson		
	2600070965	B-1	04/07/04	09/14/04	Authorized	N/A	N/A	Jersey City	Hudson	42.00	ft
	2600070966		04/07/04		Authorized	N/A	N/A	Jersey City	Hudson		
	2600071030	B-1	04/19/04	05/12/04	Authorized	1507	6 & 10A	Jersey City	Hudson	67.00	ft
	2600071031	B-2	04/19/04	05/20/04	Authorized	1507	6 & 10A	Jersey City	Hudson	57.00	ft

	2600071032	B-3	04/19/04	05/21/04	Authorized	1507	6 & 10A	Jersey City	Hudson	62.00	ft
	2600071033	B-4	04/19/04	05/24/04	Authorized	1507	6 & 10A	Jersey City	Hudson	62.00	ft
	2600071091	B-1	05/04/04	05/18/04	Authorized	1600	A,B,C,D	Jersey City	Hudson	85.10	ft
	2600071092	B-2	05/04/04	05/20/04	Authorized	1600	A,B,C,D	Jersey City	Hudson	80.00	ft
	2600071093	B-3	05/04/04	05/21/04	Authorized	1600	A,B,C,D	Jersey City	Hudson	80.00	ft
	2600071104	B-1	05/04/04	05/07/04	Authorized	1500	23	Jersey City	Hudson	72.00	ft
	2600071167	K-1	05/11/04	05/20/04	Authorized	N/A	N/A	Jersey City	Hudson	77.00	ft
	2600071203		05/17/04		Authorized	8	5	Jersey City	Hudson		
	2600071204		05/17/04		Authorized	8	5	Jersey City	Hudson		
	2600071205		05/17/04		Authorized	8	5	Jersey City	Hudson		
	2600071298		05/27/04		Authorized	1751	10N	Jersey City	Hudson		
	2600071487	5	06/22/04	06/30/04	Authorized	15	6	Jersey City	Hudson	51.00	ft
	2600071488	4	06/22/04	06/29/04	Authorized	15	6	Jersey City	Hudson	50.00	ft
	2600071489	3	06/22/04	06/28/04	Authorized	15	6	Jersey City	Hudson	50.00	ft
	2600071490	2	06/22/04	06/27/04	Authorized	15	6	Jersey City	Hudson	51.00	ft
	2600071491	1	06/22/04	06/26/04	Authorized	15	6	Jersey City	Hudson	52.00	ft
	2600071855		08/02/04		Authorized	139	0000F	Jersey City	Hudson		
	2600071856		08/02/04		Authorized	139	0000F	Jersey City	Hudson		
	2600072147	B-1	08/31/04	09/07/04	Authorized	106	A-1	Jersey City	Hudson	45.00	ft
	2600072148	B-2	08/31/04	09/07/04	Authorized	106	A-1	Jersey City	Hudson	45.00	ft
	2600072149	B-3	08/31/04	09/10/04	Authorized	106	A-1	Jersey City	Hudson	45.00	ft
	2600072150	B-4	08/31/04	09/10/04	Authorized	106	A-1	Jersey City	Hudson	40.10	ft
	2600072151	B-5	08/31/04	09/13/04	Authorized	106	A-1	Jersey City	Hudson	40.00	ft
	2600072288	B-1	09/08/04	09/17/04	Authorized	1507	7	Jersey City	Hudson	42.00	ft
	2600072289	B-2	09/08/04	09/15/04	Authorized	1507	7	Jersey City	Hudson	106.00	ft
	2600072460	K-1	09/24/04	10/07/04	Authorized	1871	34	Jersey City	Hudson	45.00	ft
	2600072461	K-2	09/24/04	10/12/04	Authorized	1871	34	Jersey City	Hudson	54.00	ft
	2600072462		09/24/04		Authorized	1871	34	Jersey City	Hudson		
	2600072463		09/24/04		Authorized	1871	34	Jersey City	Hudson		
	2600072552		10/05/04		Authorized	1751	10K1	Jersey City	Hudson		
	2600072553		10/05/04		Authorized	1751	10K1	Jersey City	Hudson		
	2600072554		10/05/04		Authorized	1751	10K1	Jersey City	Hudson		
	2600072555		10/05/04		Authorized	1290A	A.01, A.02	Jersey City	Hudson		
	2600072556		10/05/04		Authorized	1290A	A.01, A.02	Jersey City	Hudson		
	2600072798	B-1	11/01/04	11/07/04	Authorized	200	74,75,76,77,78	Jersey City	Hudson	55.00	ft
	2600072799	B-2	11/01/04	11/17/04	Authorized	200	74,75,76,77,78	Jersey City	Hudson	48.50	ft
	2600072800	B-3	11/01/04	11/18/04	Authorized	200	74,75,76,77,78	Jersey City	Hudson	45.00	ft

	2600072801	B-4	11/01/04	11/15/04	Authorized	200	74,75,76,77,78	Jersey City	Hudson	57.50	ft
	2600072802	B-5	11/01/04	11/16/04	Authorized	200	74,75,76,77,78	Jersey City	Hudson	47.00	ft
	2600072803	B-4	11/01/04	11/18/04	Authorized	286	3,4,5,6,7	Jersey City	Hudson	62.00	ft
	2600072804	B-5	11/01/04	11/23/04	Authorized	286	3,4,5,6,7	Jersey City	Hudson	51.00	ft
	2600072805	B-6	11/01/04	11/22/04	Authorized	286	3,4,5,6,7	Jersey City	Hudson	52.00	ft
	2600072806	B-7	11/01/04	11/19/04	Authorized	286	3,4,5,6,7	Jersey City	Hudson	43.50	ft
	2600073251	B-1	12/10/04	12/13/04	Authorized	2145	44 & 49	Jersey City	Hudson	70.00	ft
	2600073252	B-2	12/10/04	12/15/04	Authorized	2145	44 & 49	Jersey City	Hudson	60.25	ft
	2600073253	B-3	12/10/04	12/17/04	Authorized	2145	44 & 49	Jersey City	Hudson	70.00	ft
	2600073392	B-5	12/28/04	01/11/05	Authorized	1507	17	Jersey City	Hudson	60.00	ft
	2600073545	B-1	01/14/05	02/07/05	Authorized	1627.1	2	Jersey City	Hudson	75.00	ft
	2600073693	B-6	02/01/05	03/09/05	Authorized	204, 207	1(6C),1 (A),2(A1)	Jersey City	Hudson	72.00	ft
	2600073694	B-10	02/01/05	03/05/05	Authorized	204, 207	1(6C),1 (A),2(A1)	Jersey City	Hudson	70.00	ft
	2600073695	B-15	02/01/05	03/04/05	Authorized	204, 207	1(6C),1 (A),2(A1)	Jersey City	Hudson	90.00	ft
	2600073696	B-23	02/01/05	04/04/05	Authorized	204, 207	1(6C),1 (A),2(A1)	Jersey City	Hudson	62.00	ft
	2600073901	B-1	02/24/05	03/31/05	Authorized	60	A-6	Jersey City	Hudson	171.00	ft
	2600074069	B-1	03/04/05	03/17/05	Authorized	1101	98.CHM	Jersey City	Hudson	144.10	ft
	2600074070	B-2	03/04/05	03/18/05	Authorized	1101	98.CHM	Jersey City	Hudson	152.00	ft
	2600074071	B-3	03/04/05	03/19/05	Authorized	1101	98.CHM	Jersey City	Hudson	42.00	ft
	2600074202	B-1	03/21/05	04/05/05	Authorized	1101	2	Jersey City	Hudson	146.20	ft
	2600074203	B-2	03/21/05	04/06/05	Authorized	1101	2	Jersey City	Hudson	137.00	ft
	2600074465	SB-34	04/07/05	04/14/05	Authorized	N/A	N/A	Jersey City	Hudson	55.00	ft
	2600074466	SB-35	04/07/05	04/15/05	Authorized	N/A	N/A	Jersey City	Hudson	50.00	ft
	2600074469	SB-36	04/07/05	04/07/05	Authorized	2026.1	1	Jersey City	Hudson	52.00	ft
	2600074470	SB-27	04/07/05	04/21/05	Authorized	2026.1	5	Jersey City	Hudson	56.00	ft
	2600074471	SB-30	04/07/05	04/27/05	Authorized	2024	33	Jersey City	Hudson	79.00	ft
	2600074472	SB-33	04/07/05	04/19/05	Authorized	2030	8	Jersey City	Hudson	59.50	ft
	2600074473	SB-28	04/07/05	04/11/05	Authorized	2016	13	Jersey City	Hudson	54.00	ft
	2600074474	SB-29	04/07/05	04/12/05	Authorized	2016	13	Jersey City	Hudson	78.00	ft
	2600074480	SB-31	04/07/05	04/08/05	Authorized	2024	38	Jersey City	Hudson	44.00	ft
	2600074481	SB-32	04/07/05	04/20/05	Authorized	2024	38	Jersey City	Hudson	52.00	ft
	2600074482		04/07/05		Authorized	2024	38	Jersey City	Hudson		
	2600074934		05/09/05		Authorized	1627	11C	Jersey City	Hudson		
	2600074935		05/09/05		Authorized	1627	11C	Jersey City	Hudson		
	2600075172	B-1	05/19/05	05/31/05	Authorized	1623	20	Jersey City	Hudson	90.50	ft
	2600075320		05/31/05		Authorized	60	19N & 19P	Jersey City	Hudson		

	2600075321		05/31/05		Authorized	60	19N & 19P	Jersey City	Hudson		
	2600075528	B-1	06/15/05	07/12/05	Authorized	107	1-D	Jersey City	Hudson	47.00	ft
	2600075529	B-2	06/15/05	07/07/05	Authorized	107	1-D	Jersey City	Hudson	47.00	ft
	2600075530	B-3	06/15/05	06/29/05	Authorized	107	1-D	Jersey City	Hudson	42.00	ft
	2600075531	B-4	06/15/05	07/01/05	Authorized	107	1-D	Jersey City	Hudson	52.00	ft
	2600075532	B-5	06/15/05	07/05/05	Authorized	107	1-D	Jersey City	Hudson	52.00	ft
	2600075533	b-6	06/15/05	06/30/05	Authorized	107	1-D	Jersey City	Hudson	47.00	ft
	2600075601		06/22/05		Authorized	289	B,C,51	Jersey City	Hudson		
	2600075602		06/22/05		Authorized	289	B,C,51	Jersey City	Hudson		
	2600075603		06/22/05		Authorized	289	B,C,51	Jersey City	Hudson		
	2600075604		06/22/05		Authorized	289	B,C,51	Jersey City	Hudson		
	2600075614		06/23/05		Authorized	200	85	Jersey City	Hudson		
	2600076400		08/08/05		Authorized	20	1.01,2.41	Jersey City	Hudson		
	2600076401		08/08/05		Authorized	20	1.01,2.41	Jersey City	Hudson		
	2600076402		08/08/05		Authorized	20	1.01,2.41	Jersey City	Hudson		
	2600076403		08/08/05		Authorized	20	1.01,2.41	Jersey City	Hudson		
	2600076404	B-1	08/08/05		Authorized	20	1.01,2.41	Jersey City	Hudson		
	2600076481	B-1	08/15/05	09/08/05	Authorized	430	8.1	Jersey City	Hudson	72.00	ft
	2600076482	B-2	08/15/05	09/09/05	Authorized	430	8.1	Jersey City	Hudson	72.00	ft
	2600077232	lb-1	10/17/05	11/16/05	Authorized	36	40	Jersey City	Hudson	67.00	ft
	2600077233	lb-2	10/17/05	11/17/05	Authorized	36	40	Jersey City	Hudson	55.00	ft
	2600077408		11/01/05		Authorized	N/A	N/A	Jersey City	Hudson		
	2600077409		11/01/05		Authorized	N/A	N/A	Jersey City	Hudson		
	2600077410		11/01/05		Authorized	N/A	N/A	Jersey City	Hudson		
	2600077411		11/01/05		Authorized	N/A	N/A	Jersey City	Hudson		
	2600077412		11/01/05		Authorized	N/A	N/A	Jersey City	Hudson		
	2600077413		11/01/05		Authorized	N/A	N/A	Jersey City	Hudson		
	2600077420		11/01/05		Authorized	67	30-32	Jersey City	Hudson		
	2600077421		11/01/05		Authorized	67	30-32	Jersey City	Hudson		
	2600077725	BK-1	11/30/05	01/04/06	Authorized	20	3.21	Jersey City	Hudson	94.00	ft
	2600077726		11/30/05		Authorized	20	3.21	Jersey City	Hudson		
	2600077727	BK-3	11/30/05	01/04/06	Authorized	20	3.21	Jersey City	Hudson	42.00	ft
	2600077843		12/08/05		Authorized	2050	26A	Jersey City	Hudson		
	2600077844		12/08/05		Authorized	2042	142	Jersey City	Hudson		
	2600078199	B-1	01/24/06	02/09/06	Authorized	2154.3	3	Jersey City	Hudson	60.11	ft
	2600078200	B-2	01/24/06	02/08/06	Authorized	2154.3	3	Jersey City	Hudson	62.00	ft
	2600078201	B-3	01/24/06	02/07/06	Authorized	2154.3	3	Jersey City	Hudson	62.00	ft

	2600078276	B-1	02/03/06	02/07/06	Authorized	1866,25H2255	B4,B1,18A	Jersey City	Hudson	22.50	ft
	2600078277	B-2	02/03/06	02/10/06	Authorized	1866,25H2255	B4,B1,18A	Jersey City	Hudson	28.00	ft
	2600078278	B-3	02/03/06	02/13/06	Authorized	1866,25H2255	B4,B1,18A	Jersey City	Hudson	25.70	ft
	2600078279	B-4	02/03/06	02/15/06	Authorized	1866,25H2255	B4,B1,18A	Jersey City	Hudson	22.00	ft
	2600078280	MW5	02/03/06	02/17/06	Authorized	1866,25H2255	B4,B1,18A	Jersey City	Hudson	24.33	ft
	2600078281		02/03/06		Authorized	1866,25H2255	B4,B1,18A	Jersey City	Hudson		
	2600078904	B-1	04/05/06	04/28/06	Authorized	447	D2	Jersey City	Hudson	100.00	ft
	2600078905	B-4	04/05/06	04/20/06	Authorized	447	D2	Jersey City	Hudson	84.00	ft
	2600078906	B-2	04/05/06	04/19/06	Authorized	447	D2	Jersey City	Hudson	87.00	ft
	2600078907	B-5	04/05/06	04/21/06	Authorized	447	D2	Jersey City	Hudson	82.00	ft
	2600078908	B-3	04/05/06	04/17/06	Authorized	447	D2	Jersey City	Hudson	90.00	ft
	2600078909	B-6	04/05/06	04/18/06	Authorized	447	D2	Jersey City	Hudson	82.00	ft
	2600079035	B-1	04/24/06	05/20/06	Authorized	2154.2	3-C, 3-D	Jersey City	Hudson	57.00	ft
	2600079036	B-2	04/24/06	05/21/06	Authorized	2154.2	3-C, 3-D	Jersey City	Hudson	46.50	ft
	2600079037		04/24/06		Authorized	2154.2	3-C, 3-D	Jersey City	Hudson		
	2600079138	MR-1	05/04/06	06/23/06	Authorized	366	A & A1	Jersey City	Hudson	80.00	ft
	2600079139	MR-2	05/04/06	06/26/06	Authorized	366	A & A1	Jersey City	Hudson	75.00	ft
	2600079140	MR-3	05/04/06	06/27/06	Authorized	367	2 & A	Jersey City	Hudson	74.00	ft
	2600079141	MR-4	05/04/06	06/28/06	Authorized	367	2 & A	Jersey City	Hudson	93.00	ft
	2600079142	MR-5	05/04/06	06/29/06	Authorized	327	26	Jersey City	Hudson	60.00	ft
	2600079143	MR-6	05/04/06	06/30/06	Authorized	328	6 & A	Jersey City	Hudson	80.00	ft
	2600079144	MR-7	05/04/06	07/03/06	Authorized	328	6 & A	Jersey City	Hudson	63.00	ft
	2600079145	MR-8	05/04/06	06/27/06	Authorized	329	18 & B-1	Jersey City	Hudson	80.00	ft
	2600079146	MR-9	05/04/06	07/05/06	Authorized	329	18 & B-1	Jersey City	Hudson	70.00	ft
	2600079147	MR-10	05/04/06	07/06/05	Authorized	330	1, 8 & B-2	Jersey City	Hudson	80.00	ft
	2600079148	MR-11	05/04/06	06/28/06	Authorized	330	1, 8 & B-2	Jersey City	Hudson	74.00	ft
	2600079149	MR-12	05/04/06	06/29/06	Authorized	330	1, 8 & B-2	Jersey City	Hudson	48.00	ft
	2600079237	TB-1	05/11/06	05/15/06	Authorized	1507	16	Jersey City	Hudson	81.04	ft
	2600079238	TB-2	05/11/06	05/16/06	Authorized	1507	16	Jersey City	Hudson	82.00	ft
	2600079239	TB-2	05/11/06	05/16/06	Authorized	1507	16	Jersey City	Hudson	82.00	ft
	2600079240		05/11/06		Authorized	1507	16	Jersey City	Hudson		
	2600079489	MR-1	06/15/06	06/21/06	Authorized	2145	55A,B,C	Jersey City	Hudson	112.00	ft
	2600079490	MR-2	06/15/06	06/22/06	Authorized	2145	55A,B,C	Jersey City	Hudson	60.00	ft
	2600079491	MR-3	06/15/06	06/23/06	Authorized	2145	55A,B,C	Jersey City	Hudson	70.00	ft
	2600079599	B-7	06/26/06	07/07/06	Authorized	447	D2	Jersey City	Hudson	145.00	ft
	2600080131	B-1	07/26/06	08/09/06	Authorized	ROW	ROW	Jersey City	Hudson	48.00	ft
	2600080132	B-2	07/26/06	08/08/06	Authorized	ROW	ROW	Jersey City	Hudson	47.00	ft

	2600081037	B1	10/11/06	10/12/06	Authorized	131	91,92,93, & 95	Jersey City	Hudson	70.00	ft
	2600081038	B-2	10/11/06	10/13/06	Authorized	131	91,92,93, & 95	Jersey City	Hudson	70.00	ft
	2600081039	B-3	10/11/06	10/13/06	Authorized	131	91,92,93, & 95	Jersey City	Hudson	88.00	ft
	2600081040	B-4	10/11/06	10/16/06	Authorized	131	91,92,93, & 95	Jersey City	Hudson	65.00	ft
	2600081385		11/14/06		Authorized	2016	A-2	Jersey City	Hudson		
	2600081386	B-1	11/14/06	12/12/06	Authorized	139	90,91,92	Jersey City	Hudson	73.50	ft
	2600081387	B-2	11/14/06	12/11/06	Authorized	139	90,91,92	Jersey City	Hudson	71.00	ft
	2600081388		11/14/06		Authorized	139	90,91,92	Jersey City	Hudson		
	2600081393	SB-40	11/14/06	11/22/06	Authorized	2024	33	Jersey City	Hudson	56.00	ft
	2600081394	SB-54	11/14/06	11/28/06	Authorized	2026.1	4	Jersey City	Hudson	56.00	ft
	2600081430	B-2	11/15/06	12/12/06	Authorized	140	B-1 & A-1	Jersey City	Hudson	82.00	ft
	2600081431	B-3	11/15/06	12/14/06	Authorized	140	B-1 & A-1	Jersey City	Hudson	86.00	ft
	2600081432		11/15/06		Authorized	140	B-1 & A-1	Jersey City	Hudson		
	2600081668	1-S	12/12/06	05/09/07	Authorized	20	3.15	Jersey City	Hudson	96.00	ft
	2600081669	2-S	12/12/06	05/10/07	Authorized	20	3.15	Jersey City	Hudson	106.00	ft
	2600081670	3-S	12/12/06	05/07/07	Authorized	20	3.15	Jersey City	Hudson	95.00	ft
	2600081671	4-S	12/12/06	05/14/07	Authorized	20	3.15	Jersey City	Hudson	100.00	ft
	2600081672	5-S	12/12/06	05/11/07	Authorized	20	3.15	Jersey City	Hudson	105.00	ft
	2600081673	6-S	12/12/06	05/08/07	Authorized	20	3.15	Jersey City	Hudson	96.00	ft
	2600081674	1-SL	12/12/06	04/19/07	Authorized	20	3.13	Jersey City	Hudson	100.00	ft
	2600081675	2-SL	12/12/06	04/20/07	Authorized	20	3.13	Jersey City	Hudson	100.00	ft
	2600081676	3-SL	12/12/06	04/18/07	Authorized	20	3.13	Jersey City	Hudson	100.00	ft
	2600081677	4-SL	12/12/06	04/17/07	Authorized	20	3.13	Jersey City	Hudson	115.00	ft
	2600081678	5-SL	12/12/06	04/12/07	Authorized	20	3.13	Jersey City	Hudson	115.00	ft
	2600081679	6-SL	12/12/06	05/01/07	Authorized	20	3.13	Jersey City	Hudson	101.00	ft
	2600081680	7-SL	12/12/06	05/02/07	Authorized	20	3.13	Jersey City	Hudson	108.00	ft
	2600081681	8-SL	12/12/06	04/26/07	Authorized	20	3.13	Jersey City	Hudson	110.00	ft
	2600081682	9-SL	12/12/06	04/24/07	Authorized	20	3.13	Jersey City	Hudson	115.00	ft
	2600081762		12/27/06		Authorized	ROW	ROW	Jersey City	Hudson		
	2600081763		12/27/06		Authorized	ROW	ROW	Jersey City	Hudson		
	2600081764	B-1	12/27/06	01/17/07	Authorized	ROW	ROW	Jersey City	Hudson	90.00	ft
	2600081765	B-2	12/27/06	01/18/07	Authorized	ROW	ROW	Jersey City	Hudson	52.00	ft
	2600082030		01/22/07		Authorized	1751	10.K1	Jersey City	Hudson		
	2600082031		01/22/07		Authorized	1751	10.K1	Jersey City	Hudson		
	2600082183		02/01/07		Authorized	2083	92	Jersey City	Hudson		
	2600082184	PE-56	02/01/07	02/17/07	Authorized	4	57,69	Jersey City	Hudson	120.00	ft

	2600082185	PE-57	02/01/07	02/12/07	Authorized	4	57,69	Jersey City	Hudson	134.00	ft
	2600082229	EN-PE-021	02/05/07	02/18/07	Authorized	4,673,681	52,7,4	Jersey City	Hudson	28.00	ft
	2600082230	EN-PE-22	02/05/07	02/18/07	Authorized	4,673,681	52,7,4	Jersey City	Hudson	29.00	ft
	2600082231	ENPE23	02/05/07	02/19/07	Authorized	4,673,681	52,7,4	Jersey City	Hudson	28.00	ft
	2600082511	B2	02/27/07	03/27/07	Authorized	15	32	Jersey City	Hudson	146.00	ft
	2600082512	B6	02/27/07	03/29/07	Authorized	15	32	Jersey City	Hudson	158.00	ft
	2600082513	B8	02/27/07	03/31/07	Authorized	15	32	Jersey City	Hudson	148.00	ft
	2600082618	CPT-12	03/06/07	03/29/07	Authorized	1200	56	Jersey City	Hudson	68.73	ft
	2600082619	CPT-13	03/06/07	03/26/07	Authorized	1200	45.2	Jersey City	Hudson	34.45	ft
	2600082620	CPT-11	03/06/07	03/26/07	Authorized	681	7	Jersey City	Hudson	34.45	ft
	2600083072	B-2	04/10/07	06/18/07	Authorized	58,59	31,33	Jersey City	Hudson	75.00	ft
	2600083073	B-1	04/10/07	06/19/07	Authorized	58,59	31,33	Jersey City	Hudson	68.00	ft
	2600083122	PE-202	04/16/07	04/23/07	Authorized	ROW	ROW	Jersey City	Hudson	129.00	ft
	2600083123	PE-206	04/16/07	04/26/07	Authorized	ROW	ROW	Jersey City	Hudson	48.00	ft
	2600083124	PE201-200A	04/16/07	04/18/07	Authorized	ROW	ROW	Jersey City	Hudson	115.00	ft
	2600083125	PE-203	04/16/07	04/25/07	Authorized	ROW	ROW	Jersey City	Hudson	134.00	ft
	2600083126	PE-207	04/16/07	05/01/07	Authorized	ROW	ROW	Jersey City	Hudson	50.00	ft
	2600083127	PE-204	04/16/07	05/31/07	Authorized	ROW	ROW	Jersey City	Hudson	55.00	ft
	2600083128	PE-205	04/16/07	11/19/07	Decommissioned	ROW	ROW	Jersey City	Hudson	70.00	ft
	2600083387	B-1	05/02/07	05/17/07	Authorized	198	11	Jersey City	Hudson	50.00	ft
	2600083388	B-2	05/02/07	05/21/07	Authorized	198	11	Jersey City	Hudson	49.00	ft
	2600083451	B-1	05/10/07	05/23/07	Authorized	2154.3	65	Jersey City	Hudson	57.00	ft
	2600083452	B-3	05/10/07	05/24/07	Authorized	2154.3	65	Jersey City	Hudson	88.10	ft
	2600083453	B-4	05/10/07	05/24/07	Authorized	2154.3	65	Jersey City	Hudson	41.50	ft
	2600083454		05/10/07		Authorized	2154.3	65	Jersey City	Hudson		
	2600083522	CPT-03	05/16/07	05/30/07	Authorized	60.06	1	Jersey City	Hudson	39.53	ft
	2600083523	CPT-04	05/16/07	05/30/07	Authorized	60.06	1	Jersey City	Hudson	40.19	ft
	2600083686	B-101	05/30/07	06/26/07	Authorized	430	B-1	Jersey City	Hudson	95.00	ft
	2600083687	B-102	05/30/07	06/27/07	Authorized	430	B-1	Jersey City	Hudson	100.00	ft
	2600083688	B-103	05/30/07	06/28/07	Authorized	430	B-1	Jersey City	Hudson	97.00	ft
	2600083689	B-104	05/30/07	06/29/07	Authorized	430	B-1	Jersey City	Hudson	90.00	ft
	2600083757		06/05/07		Authorized	652	1	Jersey City	Hudson		
	2600083758	SB-GT-2(WE-DB15)	06/05/07	06/28/07	Authorized	652	1	Jersey City	Hudson	75.00	ft
	2600083759		06/05/07		Authorized	652	1	Jersey City	Hudson		
	2600083760	SB-GT-1(WE-DB18)	06/05/07	06/26/07	Authorized	652	1	Jersey City	Hudson	75.00	ft
	2600083761		06/05/07		Authorized	652	1	Jersey City	Hudson		

	2600084214	1	07/10/07	09/24/07	Decommissioned	652	1-4	Jersey City	Hudson	43.00	ft
	2600084215	2	07/10/07	09/25/07	Decommissioned	652	1-4	Jersey City	Hudson	45.00	ft
	2600084216	3	07/10/07	09/22/07	Decommissioned	652	1-4	Jersey City	Hudson	44.00	ft
	2600084486	SB-57	08/06/07	08/31/07	Authorized	2026.1	4	Jersey City	Hudson	75.00	ft
	2600084487	SB-58	08/06/07	08/28/07	Authorized	2026.1	4	Jersey City	Hudson	71.50	ft
	2600084488	SB-67	08/06/07	08/28/07	Authorized	2016	A2	Jersey City	Hudson	50.00	ft
	2600084498	B-1A	08/07/07	08/11/07	Authorized	ROW	ROW	Jersey City	Hudson	55.00	ft
	2600084796		08/31/07		Authorized	447	3,4	Jersey City	Hudson		
	2600084797		08/31/07		Authorized	447	3,4	Jersey City	Hudson		
	2600085377		10/19/07		Authorized	1280	5	Jersey City	Hudson		
	2600085864	B-1	12/11/07	01/15/08	Decommissioned	1200	19	Jersey City	Hudson	50.00	ft
	2600085865	B-2	12/11/07	01/17/08	Decommissioned	1200	19	Jersey City	Hudson	42.00	ft
	2600085941	B-15E3	12/18/07	12/27/07	Decommissioned	32	15	Jersey City	Hudson	111.80	ft
	2600086127	B-1	01/14/08	02/06/08	Decommissioned	N/A	N/A	Jersey City	Hudson	81.00	ft
	2600086128	B-2	01/14/08	02/06/08	Decommissioned	N/A	N/A	Jersey City	Hudson	72.00	ft
	2600086395	1	02/05/08	02/12/08	Decommissioned	385	26	Jersey City	Hudson	110.00	ft
	2600086984	VI-4	03/26/08	04/10/08	Decommissioned	2088.1	9 & 11	Jersey City	Hudson	50.00	ft
	2600086985	VI-5	03/26/08	04/16/08	Decommissioned	2088.1	9 & 11	Jersey City	Hudson	55.00	ft
	2600086986	VI-6	03/26/08	04/11/08	Decommissioned	2088.1	9 & 11	Jersey City	Hudson	55.00	ft
	2600086987	VI-9	03/26/08	04/15/08	Decommissioned	2088.1	9 & 11	Jersey City	Hudson	55.00	ft
	E201000711	B-1	02/09/10	02/08/10	Active	n/a	n/a	Jersey City	Hudson		ft
	P200801312	B-1	10/06/08	10/21/08	Decommissioned	1	1702.1	Jersey City	Hudson	63.00	ft
	P200801313	B-2	10/06/08	10/17/08	Decommissioned	1	1702.1	Jersey City	Hudson	72.00	ft
	P200801314	B-3	10/06/08	10/21/08	Decommissioned	1	1702.1	Jersey City	Hudson	52.00	ft
	P200801315	B-4	10/06/08	10/20/08	Decommissioned	1	1702.1	Jersey City	Hudson	42.00	ft
	P200801316	B-5	10/06/08	10/20/08	Decommissioned	1	1702.1	Jersey City	Hudson	52.00	ft
	P200803338	B-1	11/19/08	12/01/08	Decommissioned	2145	41N	Jersey City	Hudson	95.00	ft
	P200803339	B-2	11/19/08	12/02/08	Decommissioned	2145	41N	Jersey City	Hudson	120.00	ft
	P200803340	B-3	11/19/08	12/05/08	Decommissioned	2145	41N	Jersey City	Hudson	165.00	ft
	P200803478	B-10	11/21/08	01/06/09	Decommissioned	652	4D	Jersey City	Hudson	47.00	ft
	P200803479	B-8	11/21/08	01/05/09	Decommissioned	652	4D	Jersey City	Hudson	72.00	ft
	P200803480	B-9	11/21/08	01/06/09	Decommissioned	652	4D	Jersey City	Hudson	57.00	ft
	P200803481		11/21/08		Proposed	652	4D	Jersey City	Hudson		
	P200803941	B-1	12/08/08	12/22/08	Decommissioned	1625	2	Jersey City	Hudson	69.50	ft
	P200900280	B-1	01/12/09	01/13/09	Decommissioned	1507	11	Jersey City	Hudson	53.80	ft
	P200900281	B-2	01/12/09	01/13/09	Decommissioned	1507	11	Jersey City	Hudson	63.20	ft
	P200903830	B-1	04/08/09	05/19/09	Decommissioned	1200	31	Jersey City	Hudson	83.00	ft

	P200903831	B-2	04/08/09	05/20/09	Decommissioned	1200	31	Jersey City	Hudson	82.00	ft
	P200904148	GJ-1	04/16/09	05/05/09	Decommissioned	60	19R	Jersey City	Hudson	120.00	ft
	P200904149	GJ-2	04/16/09	05/06/09	Decommissioned	60	19R	Jersey City	Hudson	120.00	ft
	P200904150	GJ-5	04/16/09	05/08/09	Decommissioned	2145	41Q	Jersey City	Hudson	60.00	ft
	P200904151	GJ-3	04/16/09	05/07/09	Decommissioned	60	19H	Jersey City	Hudson	66.00	ft
	P200904152	GJ-4	04/16/09	05/12/09	Decommissioned	2145	41R	Jersey City	Hudson	120.00	ft
	P200906897		06/05/09		Proposed	60	19R	Jersey City	Hudson		
	P200906898		06/05/09		Proposed	60	19R	Jersey City	Hudson		
	P200906899		06/05/09		Proposed	60	19R	Jersey City	Hudson		
	P200906900		06/05/09		Proposed	60	19R	Jersey City	Hudson		
	P200906901		06/05/09		Proposed	60	19R	Jersey City	Hudson		
	P200906902		06/05/09		Proposed	60	19R	Jersey City	Hudson		
	P200907714		06/24/09		Proposed	60	19R	Jersey City	Hudson		
	P200907715		06/24/09		Proposed	60	19R	Jersey City	Hudson		
	P200909405		08/04/09		Proposed	60	19R	Jersey City	Hudson		
	P200909406		08/04/09		Proposed	60	19R	Jersey City	Hudson		
	P200909407		08/04/09		Proposed	60	19R	Jersey City	Hudson		
	P200909408		08/04/09		Proposed	60	19R	Jersey City	Hudson		
	P200909409		08/04/09		Proposed	60	19R	Jersey City	Hudson		
	P200909411	RW-1	08/04/09	08/20/09	Decommissioned	2155	NA	Jersey City	Hudson	116.00	ft
	P200909412	RW-2	08/04/09	08/12/09	Decommissioned	2155	NA	Jersey City	Hudson	78.50	ft
	P200909413		08/04/09		Proposed	2155	NA	Jersey City	Hudson		
	P200909414		08/04/09		Proposed	2155	NA	Jersey City	Hudson		
	P200909415		08/04/09		Proposed	2155	NA	Jersey City	Hudson		
	P200909416	RW-9	08/04/09	08/13/09	Decommissioned	2155	NA	Jersey City	Hudson	71.50	ft
Total Number	**768**										
Well Type	**Well Permit**	**Well Name**	**Permit Date**	**Drilling End Date**	**Status of well**	**Block**	**Lot**	**Municipality**	**County**	**Finished Depth**	**Units**
Boring/Site Wide	2600010713		05/12/87		Decommissioned	75	1-7	Jersey City	Hudson		
	2600011349	MANY	08/14/87	08/15/87	Authorized	1200	3B	Jersey City	Hudson	6.00	ft
	2600033734	BLANKET	06/08/93	06/15/93	Authorized	15	D-1	Jersey City	Hudson	62.00	ft
	2600037228	SITEWIDE	06/15/94	07/20/94	Decommissioned	N/A	N/A	Jersey City	Hudson	60.00	ft
	2600041181	BGF-01	06/26/95	07/14/95	Decommissioned	1494	6	Jersey City	Hudson		
	2600046340	BLANKET	12/05/96	12/20/96	Decommissioned	60	20A	Jersey City	Hudson	57.00	ft
	2600046778	B1-B2	02/07/97	03/03/97	Decommissioned	NA	NA	Jersey City	Hudson		
	2600055420	B1-B7	10/04/99	10/08/99	Decommissioned	2115	2-10	Jersey City	Hudson	8.00	ft

	2600056040	BLANKET	11/29/99	03/24/00	Decommissioned	N/A	N/A	Jersey City	Hudson	51.00	ft
	2600059899	BLANKET	12/07/00	12/28/00	Decommissioned	364	A,A2,SA3	Jersey City	Hudson	78.00	ft
	2600060163	BLANKET	01/17/01	01/24/01	Authorized	286	3,4,5,6,7,8	Jersey City	Hudson	55.00	ft
	2600061409	BLANKET	05/25/01	06/12/01	Decommissioned	20	1.16	Jersey City	Hudson	40.00	ft
	2600067872	HS-34	05/12/03	08/18/03	Authorized	NA	NA	Jersey City	Hudson	85.00	ft
	2600068697	F2-B	08/06/03	08/11/03	Authorized	N/A	N/A	Jersey City	Hudson	111.00	ft
	2600069346	SB101-SB121;SB204	09/30/03	06/20/04	Authorized	1290.1	14J,H	Jersey City	Hudson	158.20	ft
	2600069534	B-480A	10/20/03	01/13/04	Authorized	N/A	N/A	Jersey City	Hudson	82.00	ft
	2600069895	B-1	12/02/03	01/23/04	Authorized	60	4	Jersey City	Hudson	86.50	ft
	2600070094	B-3	01/13/04	01/23/04	Authorized	649.1	1	Jersey City	Hudson	60.00	ft
	2600070848	B-49	03/18/04	06/18/04	Authorized	198-233-60-268	1 THRU 49	Jersey City	Hudson	100.10	ft
	2600070968	U	04/07/04	05/25/04	Authorized	20	3.06	Jersey City	Hudson	97.00	ft
	2600071101	B-7	05/04/04	05/13/04	Authorized	205	4A-34	Jersey City	Hudson	80.00	ft
	2600071269		05/25/04		Authorized	1492	3B,2A,3C,3D	Jersey City	Hudson		
	2600071825	B-33	07/28/04	09/16/04	Authorized	1100	1	Jersey City	Hudson	69.00	ft
	2600072016		08/17/04		Authorized	2145	55, A, B, C	Jersey City	Hudson		
	2600072023		08/17/04		Authorized	294.5	PL-A	Jersey City	Hudson		
	2600072516	L-10	10/04/04	10/22/04	Authorized	2048	S-1,S-2,10A,10B,44B	Jersey City	Hudson	80.00	ft
	2600072557	LB-3	10/06/04	10/28/04	Authorized	109	1,2 & 3	Jersey City	Hudson	75.00	ft
	2600073098	B-1	11/30/04	12/03/04	Authorized	220	A.5	Jersey City	Hudson	65.00	ft
	2600073393	JCP-10	12/28/04	05/27/05	Authorized	601 & 602	A & 2	Jersey City	Hudson	105.00	ft
	2600073692	B-11	02/01/05	02/04/05	Authorized	1507	7	Jersey City	Hudson	82.00	ft
	2600074368		04/05/05		Authorized	1286	5	Jersey City	Hudson		
	2600075592		06/21/05		Authorized	1286,1286.5,1287.B	5,5B,5C,5D,1,2,4A,2C,5E,7,8	Jersey City	Hudson		
	2600076261	B-2	08/02/05	08/15/05	Authorized	1200	--	Jersey City	Hudson	92.00	ft
	2600076513	B-7	08/17/05	09/07/05	Authorized	N/A	N/A	Jersey City	Hudson	111.00	ft
	2600077657	B-210	11/22/05	12/22/05	Authorized	20	315	Jersey City	Hudson	90.00	ft
	2600077951	B-10	01/03/06	01/19/06	Authorized	20	1.15	Jersey City	Hudson	90.00	ft
	2600078577	B-3	03/03/06	03/16/06	Authorized	2088.1	4,5,7,8 & 9	Jersey City	Hudson	55.00	ft
	2600079051	B-9	04/24/06	05/17/06	Authorized	15	32	Jersey City	Hudson	149.50	ft
	2600079796		07/10/06		Authorized	447	D2	Jersey City	Hudson		
	2600079990	LB-1	07/17/06	09/01/06	Authorized	1000,1002,1050,1001	1,12, & 6	Jersey City	Hudson	126.00	ft
	2600080037	B-113	07/18/06	03/15/07	Authorized	1639.1	5C	Jersey City	Hudson	96.10	ft
	2600080964	M-101 SITE WIDE	10/05/06	11/08/06	Authorized	1497	28 & 29	Jersey City	Hudson	100.00	ft
	2600081667	B-102	12/12/06	01/04/07	Authorized	20	3.10	Jersey City	Hudson	90.00	ft

	2600081695	UG-4	12/12/06	01/22/07	Authorized	323	1	Jersey City	Hudson	73.50	ft
	2600081696	GC-1	12/12/06	01/11/07	Authorized	360	1	Jersey City	Hudson	120.00	ft
	2600082012	EL22	01/18/07	09/10/07	Authorized	20	3.18, 3.19	Jersey City	Hudson	154.00	ft
	2600082088	S-27	01/25/07	03/29/07	Authorized	673, 681, 1200	4A,4C,4A,8C,9,10C,1,2,1B,3B,4A	Jersey City	Hudson	91.20	ft
	2600082502	BLANKET	02/27/07	03/12/07	Authorized	N/A	N/A	Jersey City	Hudson	187.00	ft
	2600083157		04/16/07		Authorized	173	C,B,E,F,1,2,126	Jersey City	Hudson		
	2600083386	SITE B-1 THRU B-10	05/02/07	05/18/07	Authorized	60.06	1	Jersey City	Hudson	65.00	ft
	2600084682	B-1	08/20/07	08/28/07	Authorized	VARIOUS	VARIOUS	Jersey City	Hudson	111.30	ft
	2600084940		09/12/07		Authorized	20	2.43	Jersey City	Hudson		
	2600087149	VI-14	04/10/08	04/07/08	Decommissioned	2088.1	9,11	Jersey City	Hudson	75.00	ft
	P200801504	VARIOUS	10/09/08	10/29/08	Decommissioned	1290.1	2E / 2D	Jersey City	Hudson	97.00	ft
	P200802213	087-CPT-001	10/22/08	11/06/08	Decommissioned	1290.1	2E/2D/15D	Jersey City	Hudson	112.04	ft
	P200804312	FPA-2	12/16/08	01/26/09	Decommissioned	1200	75	Jersey City	Hudson	80.00	ft
	P200905557		05/07/09		Proposed	1514.8	4,5,6 & 402B	Jersey City	Hudson		
	P200907801		06/25/09		Proposed	1200	42	Jersey City	Hudson		
Total Number	**58**										

Well Type	Well Permit	Well Name	Permit Date	Drilling End Date	Status of well	Block	Lot	Municipality	County	Finished Depth	Units
Cathodic Protection/Individual	2600085304	AW-1	10/11/07	11/01/07	Authorized	662	174	Jersey City	Hudson	61.00	ft
Total Number	**1**										

Well Type	Well Permit	Well Name	Permit Date	Drilling End Date	Status of well	Block	Lot	Municipality	County	Finished Depth	Units
Dewatering/Site Wide	2600072284		09/08/04		Authorized	AZ	1299.2	Jersey City	Hudson		
	2600076060	DP-1 DP-9	07/22/05	11/27/06	Authorized	1290A	14J&H	Jersey City	Hudson	66.00	ft
	2600087024	WP-1	03/31/08	07/14/08	Active	1200	1,3B,4A	Jersey City	Hudson	60.00	ft
	P200804444		12/17/08		Proposed	1101	98C	Jersey City	Hudson		
	P200904492	DW1	04/22/09	06/15/09	Active	1200	1,3B,4A	Jersey City	Hudson	60.00	ft
	P200904575	UPT1-69	04/23/09	05/14/09	Active	1361	A	Jersey City	Hudson	20.00	ft
	P200914822		12/09/09		Proposed	1101	98.C	Jersey City	Hudson		
Total Number	**7**										

Well Type	Well Permit	Well Name	Permit	Drilling	Status of well	Block	Lot	Municipality	County	Finished	Units

			Date	End Date						Depth	
Domestic	2600012777	1	04/21/88	04/25/88	Authorized	1500	7	Jersey City	Hudson	22.00	ft
Total Number	**1**										

Well Type	Well Permit	Well Name	Permit Date	Drilling End Date	Status of well	Block	Lot	Municipality	County	Finished Depth	Units
Elevator Shaft	P200800797	SHAFT 3	09/24/08	10/15/08	Active	1	1887.1	Jersey City	Hudson	65.50	ft
Total Number	**1**										

Well Type	Well Permit	Well Name	Permit Date	Drilling End Date	Status of well	Block	Lot	Municipality	County	Finished Depth	Units
Extensometer	2600086757		03/05/08		Authorized	1639-1	5C	Jersey City	Hudson		
	2600086758		03/05/08		Authorized	1639-1	5C	Jersey City	Hudson		
	2600086759		03/05/08		Authorized	1639-1	5C	Jersey City	Hudson		
	2600086760		03/05/08		Authorized	1639-1	5C	Jersey City	Hudson		
	2600086761		03/05/08		Authorized	1639-1	5C	Jersey City	Hudson		
	2600086762		03/05/08		Authorized	1639-1	5C	Jersey City	Hudson		
	2600086763		03/05/08		Authorized	1639-1	5C	Jersey City	Hudson		
	2600086764		03/05/08		Authorized	1639-1	5C	Jersey City	Hudson		
	2600086765		03/05/08		Authorized	1639-1	5C	Jersey City	Hudson		
	2600086766		03/05/08		Authorized	1639-1	5C	Jersey City	Hudson		
	2600086767		03/05/08		Authorized	1639-1	5C	Jersey City	Hudson		
	2600086768		03/05/08		Authorized	1639-1	5C	Jersey City	Hudson		
	P200902601	PE-1	03/13/09	08/04/09	Active	ROW	ROW	Jersey City	Hudson	90.00	ft
	P200902602	PE-2	03/13/09	08/03/09	Active	ROW	ROW	Jersey City	Hudson	94.00	ft
	P200902603	PE-3	03/13/09	07/22/09	Active	ROW	ROW	Jersey City	Hudson	76.00	ft
	P200902604	PE-4	03/13/09	07/20/09	Active	ROW	ROW	Jersey City	Hudson	81.00	ft
	P200902605	PE-5	03/13/09	07/17/09	Active	ROW	ROW	Jersey City	Hudson	78.00	ft
	P200902606	PE-6	03/13/09	04/28/09	Active	ROW	ROW	Jersey City	Hudson	75.00	ft
	P200902607	PE-7	03/13/09	04/27/09	Active	ROW	ROW	Jersey City	Hudson	78.00	ft
Total Number	**19**										

Well Type	Well Permit	Well Name	Permit Date	Drilling End Date	Status of well	Block	Lot	Municipality	County	Finished Depth	Units
Inclinometer	2600068050		05/28/03		Authorized	1288.1	14.02	Jersey City	Hudson		
	2600068051		05/28/03		Authorized	1288.1	14.02	Jersey City	Hudson		

	2600069705	I-5	11/05/03	03/15/04	Authorized	1288.1	14.02	Jersey City	Hudson	39.50	ft
	2600069706	I-6	11/05/03	01/08/04	Authorized	1288.1	14.02	Jersey City	Hudson	39.50	ft
	2600069707	I-7	11/05/03	01/08/04	Authorized	1288.1	14.02	Jersey City	Hudson	39.50	ft
	2600069708	I-8	11/05/03	03/01/04	Authorized	1288.1	14.02	Jersey City	Hudson	44.50	ft
	2600069709	I-9	11/05/03	03/02/04	Authorized	1288.1	14.02	Jersey City	Hudson	39.70	ft
	2600069710	I-10	11/05/03	03/10/04	Authorized	1288.1	14.02	Jersey City	Hudson	39.50	ft
	2600070676	INC168+20	03/02/04	03/29/04	Authorized	1200	42	Jersey City	Hudson	31.00	ft
	2600070683	SS168+25	03/02/04	03/26/04	Authorized	1200	42	Jersey City	Hudson	27.00	ft
	2600071368	I6R2	06/02/04	06/24/04	Authorized	1288.1	14.02	Jersey City	Hudson	40.00	ft
	2600071369	I7 (IR1	06/02/04	06/24/04	Authorized	1288.1	14.02	Jersey City	Hudson	39.50	ft
	2600076868		09/26/05		Authorized	1290.1	14J, H	Jersey City	Hudson		
	2600076869		09/26/05		Authorized	1290.1	14J, H	Jersey City	Hudson		
	2600076870		09/26/05		Authorized	1290.1	14J, H	Jersey City	Hudson		
	2600076871		09/26/05		Authorized	1290.1	14J, H	Jersey City	Hudson		
	2600076872		09/26/05		Authorized	1290.1	14J, H	Jersey City	Hudson		
	2600076873		09/26/05		Authorized	1290.1	14J, H	Jersey City	Hudson		
	2600076874		09/26/05		Authorized	1290.1	14J, H	Jersey City	Hudson		
	2600076875		09/26/05		Authorized	1290.1	14J, H	Jersey City	Hudson		
	2600076876		09/26/05		Authorized	1290.1	14J, H	Jersey City	Hudson		
	2600078827		03/30/06		Authorized	1290.1	14J, H	Jersey City	Hudson		
	2600079737		06/28/06		Authorized	1290.1	14J, H	Jersey City	Hudson		
	2600079738		06/28/06		Authorized	1290.1	14J, H	Jersey City	Hudson		
	2600079739		06/28/06		Authorized	1290.1	14J, H	Jersey City	Hudson		
	2600081855	M-125I	01/03/07	01/10/07	Authorized	1497	28 & 29	Jersey City	Hudson	70.00	ft
	2600081856	M-125IA	01/03/07	01/09/07	Authorized	1497	28 & 29	Jersey City	Hudson	70.00	ft
	2600082085	S12	01/25/07	03/06/07	Decommissioned	681	10C	Jersey City	Hudson	103.00	ft
	2600082086	S-13	01/25/07	03/08/07	Decommissioned	681	10C	Jersey City	Hudson	103.00	ft
	2600082087	S14	01/25/07	03/10/07	Decommissioned	681	10C	Jersey City	Hudson	103.00	ft
	2600085356		10/17/07		Authorized	20	2.43	Jersey City	Hudson		
	2600085357		10/17/07		Authorized	20	2.43	Jersey City	Hudson		
	P200903324	I-1	03/27/09	05/20/09	Active	ROW	ROW	Jersey City	Hudson	71.00	ft
	P200903325	I-2	03/27/09	05/11/09	Active	ROW	ROW	Jersey City	Hudson	76.00	ft
	P200903326	I-3	03/27/09	05/19/09	Active	ROW	ROW	Jersey City	Hudson	75.00	ft
	P200903327	I-4	03/27/09	05/07/09	Active	ROW	ROW	Jersey City	Hudson	75.00	ft
	P200903328	I-5	03/27/09	05/12/09	Active	ROW	ROW	Jersey City	Hudson	74.00	ft
	P200903329	I-6	03/27/09	05/21/09	Active	ROW	ROW	Jersey City	Hudson	75.00	ft
	P200903330	I-7	03/27/09	05/13/09	Active	ROW	ROW	Jersey City	Hudson	72.00	ft

	P200903331	I-8	03/27/09	05/14/09	Active	ROW	ROW	Jersey City	Hudson	74.00	ft
	P200903332	I-9	03/27/09	04/24/09	Active	ROW	ROW	Jersey City	Hudson	73.00	ft
	P200903333	I-10	03/27/09	04/22/09	Active	ROW	ROW	Jersey City	Hudson	75.00	ft
	P200903334	I-11	03/27/09	04/29/09	Active	ROW	ROW	Jersey City	Hudson	57.00	ft
	P200903335	I-12	03/27/09	04/23/09	Active	ROW	ROW	Jersey City	Hudson	72.00	ft
	P200903336	I-13	03/27/09	04/21/09	Active	ROW	ROW	Jersey City	Hudson	75.00	ft
	P200903337	I-14	03/27/09	04/17/09	Active	ROW	ROW	Jersey City	Hudson	75.00	ft
	P200903338	I-15	03/27/09	04/30/09	Active	ROW	ROW	Jersey City	Hudson	57.00	ft
	P200903339	I-16	03/27/09	04/16/09	Active	ROW	ROW	Jersey City	Hudson	56.00	ft
	P200903340	I-17	03/27/09	05/05/09	Active	ROW	ROW	Jersey City	Hudson	56.00	ft
Total Number	**49**										
Well Type	**Well Permit**	**Well Name**	**Permit Date**	**Drilling End Date**	**Status of well**	**Block**	**Lot**	**Municipality**	**County**	**Finished Depth**	**Units**
Inclinometer Replacement	2600070369	I-6 R	02/19/04	02/19/04	Authorized	1288.1	14.02	Jersey City	Hudson	39.50	ft
Total Number	**1**										
Well Type	**Well Permit**	**Well Name**	**Permit Date**	**Drilling End Date**	**Status of well**	**Block**	**Lot**	**Municipality**	**County**	**Finished Depth**	**Units**
Industrial	2600017174		08/25/89		Authorized	20	2.1	Jersey City	Hudson		
Total Number	**1**										
Well Type	**Well Permit**	**Well Name**	**Permit Date**	**Drilling End Date**	**Status of well**	**Block**	**Lot**	**Municipality**	**County**	**Finished Depth**	**Units**
Injection	2600075177	ISCO-1	05/23/05	08/09/05	Authorized	76	1774	Jersey City	Hudson	12.50	ft
	2600075178	ISCO-2	05/23/05	08/09/05	Authorized	76	1774	Jersey City	Hudson	12.50	ft
	2600075179	ISCO-3	05/23/05	08/09/05	Authorized	76	1774	Jersey City	Hudson	12.50	ft
	2600075663		06/27/05		Authorized	14H	1290.A	Jersey City	Hudson		
	2600075664		06/27/05		Authorized	14H	1290.A	Jersey City	Hudson		
	2600075665		06/27/05		Authorized	14H	1290.A	Jersey City	Hudson		
	2600075666		06/27/05		Authorized	14H	1290.A	Jersey City	Hudson		
	2600075676		06/27/05		Authorized	14H	1290.A	Jersey City	Hudson		
	2600075677		06/27/05		Authorized	14H	1290.A	Jersey City	Hudson		
	2600079825	HIS-1A6	07/12/06	10/16/06	Authorized	20	1.20	Jersey City	Hudson	17.00	ft
	2600079826	HIS-1A7	07/12/06	10/16/06	Authorized	20	1.20	Jersey City	Hudson	19.00	ft

	2600079827		07/12/06		Authorized	20	1.20	Jersey City	Hudson		
	2600079828		07/12/06		Authorized	20	1.20	Jersey City	Hudson		
	2600079829		07/12/06		Authorized	20	1.20	Jersey City	Hudson		
	2600079830		07/12/06		Authorized	20	1.20	Jersey City	Hudson		
	2600079831	HIS-2A6	07/12/06	10/16/06	Authorized	20	1.20	Jersey City	Hudson	19.00	ft
	2600079832		07/12/06		Authorized	20	1.20	Jersey City	Hudson		
	2600079833		07/12/06		Authorized	20	1.20	Jersey City	Hudson		
	2600079834	HIS-1A1	07/12/06	10/13/06	Authorized	20	1.20	Jersey City	Hudson	15.00	ft
	2600079835	HIS-1A2	07/12/06	10/13/06	Authorized	20	1.20	Jersey City	Hudson	15.00	ft
	2600079836	HJS-2A1	07/12/06	10/13/06	Active	20	1.20	Jersey City	Hudson	17.00	ft
	2600079837		07/12/06		Authorized	20	1.20	Jersey City	Hudson		
	2600079838	HIS-2A1	07/12/06	10/13/06	Authorized	20	1.20	Jersey City	Hudson	17.00	ft
	2600079839	HIS-2A2	07/12/06	10/16/06	Authorized	20	1.20	Jersey City	Hudson	19.00	ft
	2600079840	HIS-2A4	07/12/06	10/13/06	Authorized	20	1.20	Jersey City	Hudson	18.00	ft
	2600079841	HIS-2A5	07/12/06	10/16/06	Authorized	20	1.20	Jersey City	Hudson	19.00	ft
	2600079842	HIS-2B1	07/12/06	10/16/06	Authorized	20	1.20	Jersey City	Hudson	17.00	ft
	2600079843	HIS-1A3	07/12/06	10/13/06	Authorized	20	1.20	Jersey City	Hudson	17.00	ft
	2600079844	HIS-1A5	07/12/06	10/16/06	Authorized	20	1.20	Jersey City	Hudson	18.00	ft
	2600079845	HIS-1A8	07/12/06	10/13/06	Authorized	20	1.20	Jersey City	Hudson	17.00	ft
	2600079846		07/12/06		Authorized	20	1.20	Jersey City	Hudson		
	2600079847		07/12/06		Authorized	20	1.20	Jersey City	Hudson		
	2600079848	HIS-2A3	07/12/06	10/16/06	Authorized	20	1.20	Jersey City	Hudson	17.00	ft
	2600079849		07/12/06		Authorized	20	1.20	Jersey City	Hudson		
	2600079850		07/12/06		Authorized	20	1.20	Jersey City	Hudson		
	2600079851		07/12/06		Authorized	20	1.20	Jersey City	Hudson		
	2600082705	PP-21	03/14/07	04/03/07	Decommissioned	131	23 & 1	Jersey City	Hudson	15.00	ft
	2600082706	PP-22	03/14/07	04/03/07	Decommissioned	131	23 & 1	Jersey City	Hudson	15.00	ft
	2600082707	PP-23	03/14/07	04/03/07	Decommissioned	131	23 & 1	Jersey City	Hudson	15.00	ft
	2600082708	PP-24	03/14/07	04/03/07	Decommissioned	131	23 & 1	Jersey City	Hudson	15.00	ft
	2600082709	PP-25	03/14/07	04/03/07	Decommissioned	131	23 & 1	Jersey City	Hudson	15.00	ft
	2600082710	PP-26	03/14/07	04/03/07	Decommissioned	131	23 & 1	Jersey City	Hudson	15.00	ft
	2600082711	PP-11	03/14/07	04/03/07	Decommissioned	131	23 & 1	Jersey City	Hudson	15.00	ft
	2600082712	PP-12	03/14/07	04/03/07	Decommissioned	131	23 & 1	Jersey City	Hudson	15.00	ft
	2600082713	PP-13	03/14/07	04/03/07	Decommissioned	131	23 & 1	Jersey City	Hudson	15.00	ft
	2600082714	PP-14	03/14/07	04/04/07	Decommissioned	131	23 & 1	Jersey City	Hudson	15.00	ft
	2600082715	PP-15	03/14/07	04/05/07	Decommissioned	131	23 & 1	Jersey City	Hudson	15.00	ft
	2600082716		03/14/07		Authorized	131	23 & 1	Jersey City	Hudson		

	2600082717	PP-17	03/14/07	04/05/07	Decommissioned	131	23 & 1	Jersey City	Hudson	15.00	ft
	2600082718	PP-18	03/14/07	04/04/07	Decommissioned	131	23 & 1	Jersey City	Hudson	15.00	ft
	2600082719	PP-19	03/14/07	04/04/07	Decommissioned	131	23 & 1	Jersey City	Hudson	15.00	ft
	2600082720	PP-20	03/14/07	04/04/07	Decommissioned	131	23 & 1	Jersey City	Hudson	15.00	ft
	2600082721	PP-1	03/14/07	04/02/07	Decommissioned	131	1 & 23	Jersey City	Hudson	15.00	ft
	2600082722	PP-2	03/14/07	04/02/07	Decommissioned	131	1 & 23	Jersey City	Hudson	15.00	ft
	2600082723	PP-3	03/14/07	04/02/07	Decommissioned	131	1 & 23	Jersey City	Hudson	15.00	ft
	2600082724		03/14/07		Authorized	131	1 & 23	Jersey City	Hudson		
	2600082725	PP-5	03/14/07	04/03/07	Decommissioned	131	1 & 23	Jersey City	Hudson	15.00	ft
	2600082726	PP-6	03/14/07	04/04/07	Decommissioned	131	1 & 23	Jersey City	Hudson	15.00	ft
	2600082727	PP-7	03/14/07	04/07/07	Decommissioned	131	1 & 23	Jersey City	Hudson	15.00	ft
	2600082728		03/14/07		Authorized	131	1 & 23	Jersey City	Hudson		
	2600082729	PP-9	03/14/07	04/04/07	Decommissioned	131	1 & 23	Jersey City	Hudson	15.00	ft
	2600082730	PP-10	03/14/07	04/05/07	Decommissioned	131	1 & 23	Jersey City	Hudson	15.00	ft
	2600083092		04/10/07		Authorized	131	23	Jersey City	Hudson		
	2600084109	HIS-1AY	07/02/07	07/20/07	Authorized	20	1.20	Jersey City	Hudson	20.00	ft
	2600084110	HIS-1B2	07/02/07	07/18/07	Authorized	20	1.20	Jersey City	Hudson	18.00	ft
	2600084111	HIS-1B3	07/02/07	07/18/07	Authorized	20	1.20	Jersey City	Hudson	17.00	ft
	2600084112	HIS-1B4	07/02/07	07/19/07	Authorized	20	1.20	Jersey City	Hudson	20.00	ft
	2600084113	HIS-2B5	07/02/07	07/25/07	Authorized	20	1.20	Jersey City	Hudson	19.00	ft
	2600084114	HIS-2B6	07/02/07	07/24/07	Authorized	20	1.20	Jersey City	Hudson	19.00	ft
	2600084115	HIS-1A9	07/02/07	07/23/07	Authorized	20	1.20	Jersey City	Hudson	19.00	ft
	2600084116	HIS-1B1	07/02/07	07/20/07	Authorized	20	1.20	Jersey City	Hudson	18.00	ft
	2600084117	HIS-1B5	07/02/07	07/19/07	Authorized	20	1.20	Jersey City	Hudson	18.00	ft
	2600084118	HIS-1B6	07/02/07	07/20/07	Authorized	20	1.20	Jersey City	Hudson	18.00	ft
	2600084119	HIS-2B3	07/02/07	07/23/07	Authorized	20	1.20	Jersey City	Hudson	19.00	ft
	2600084120	HIS-2B4	07/02/07	07/24/07	Authorized	20	1.20	Jersey City	Hudson	21.00	ft
	P200910662	IP1	09/03/09	09/17/09	Active	287	A.01	Jersey City	Hudson	8.00	ft
	P200910663	IP2	09/03/09	09/17/09	Active	287	A.01	Jersey City	Hudson	8.00	ft
Total Number	**77**										

Well Type	Well Permit	Well Name	Permit Date	Drilling End Date	Status of well	Block	Lot	Municipality	County	Finished Depth	Units
Monitoring	2600006268		09/30/83		Authorized	17	A2	Jersey City	Hudson		
	2600006269	EW8B	09/30/83		Authorized	17	A2	Jersey City	Hudson		
	2600006360	MW-1	11/02/83		Authorized			Jersey City	Hudson		
	2600006361	MW-2	11/02/83		Authorized			Jersey City	Hudson		

	2600006581	MW-1	03/03/84		Decommissioned			Jersey City	Hudson		
	2600006582	MW-2	03/03/84		Decommissioned			Jersey City	Hudson		
	2600006583	MW-3	03/03/84		Decommissioned			Jersey City	Hudson		
	2600006584	MW-4	03/03/84		Decommissioned			Jersey City	Hudson		
	2600006585	MW-5	03/03/84		Decommissioned			Jersey City	Hudson		
	2600006586	MW-6	03/03/84		Decommissioned			Jersey City	Hudson		
	2600008023	MW-1	01/17/86		Decommissioned	1507	2L5	Jersey City	Hudson		
	2600008024	MW-2	12/30/85		Decommissioned	1507	2L5,	Jersey City	Hudson		
	2600008025	MW-3	12/30/85		Decommissioned	1507	2L5,	Jersey City	Hudson		
	2600008026	MW-4	12/30/85		Decommissioned	1507	2L5,	Jersey City	Hudson		
	2600008027	MW-5	12/30/85		Decommissioned	1507	2L-5	Jersey City	Hudson		
	2600008153	1	12/10/85		Authorized	1650	C3	Jersey City	Hudson		
	2600008154	2	12/10/85		Authorized	1650	C3	Jersey City	Hudson		
	2600008155	3	12/10/85		Authorized	1650	C3	Jersey City	Hudson		
	2600008156	4	12/10/85		Authorized	1650	C3	Jersey City	Hudson		
	2600008357	5	12/10/85		Authorized	1650	C3	Jersey City	Hudson		
	2600008617	3D	01/10/86		Authorized	180	4	Jersey City	Hudson		
	2600008618	3C	01/10/86		Authorized	180	4	Jersey City	Hudson		
	2600008619	3S	01/10/86		Authorized	180	4	Jersey City	Hudson		
	2600008681	B1-B5	02/21/86		Decommissioned	2057	15C	Jersey City	Hudson		
	2600008826	3CD	03/27/86		Authorized	180	4	Jersey City	Hudson		
	2600009080	MW-1	05/06/86		Authorized	68	23	Jersey City	Hudson		
	2600009081	MW-5	05/06/86		Authorized	37	F	Jersey City	Hudson		
	2600009082	MW-3	05/06/86		Authorized	6	1	Jersey City	Hudson		
	2600009083	MW-4	05/06/86		Authorized	6	1	Jersey City	Hudson		
	2600009084	MW-8	05/06/86		Authorized	37	F	Jersey City	Hudson		
	2600009085	MW-6	05/06/86		Authorized	66	14	Jersey City	Hudson		
	2600009928	MW-2	02/24/87		Decommissioned	1294	10-16	Jersey City	Hudson		
	2600009929	MW-3	02/24/87		Decommissioned	1294	10-16	Jersey City	Hudson		
	2600009996	MW-5	12/24/86		Authorized	97 & 98		Jersey City	Hudson		
	2600009997	MW-6	12/24/86		Authorized	97 & 98		Jersey City	Hudson		
	2600009998	MW-7	12/24/86		Authorized	97 & 98		Jersey City	Hudson		
	2600010500	MW-7	04/13/87		Decommissioned	69	4	Jersey City	Hudson		
	2600010501	MW-10	04/13/87		Authorized	6	1	Jersey City	Hudson		
	2600010502	MW-11	04/13/87		Authorized	36	1	Jersey City	Hudson		
	2600010503	MW-12	04/13/87		Authorized	30	1A	Jersey City	Hudson		

	2600010504	MW-13	04/13/87		Authorized	4	2	Jersey City	Hudson		
	2600010505	MW-14	04/13/87		Authorized	35	1	Jersey City	Hudson		
	2600010506	MW-15	04/13/87		Authorized	35	1	Jersey City	Hudson		
	2600010580		04/22/87		Authorized	1500	12	Jersey City	Hudson		
	2600010581	MW-3	04/22/87		Authorized	1500	12	Jersey City	Hudson		
	2600010582	MW-4	04/22/87		Authorized	1500	12	Jersey City	Hudson		
	2600010709	MWB1	05/12/87		Decommissioned	75	1-7	Jersey City	Hudson		
	2600010710	MWB3	05/12/87		Decommissioned	75	1-7	Jersey City	Hudson		
	2600010711	MWB7	05/12/87		Decommissioned	75	1-7	Jersey City	Hudson		
	2600010712	MWB9	05/12/87		Decommissioned	75	1-7	Jersey City	Hudson		
	2600010714	B-4A	05/12/87		Decommissioned	75	1-7	Jersey City	Hudson		
	2600010715		05/12/87		Decommissioned	75	1-7	Jersey City	Hudson		
	2600010716		05/12/87		Decommissioned	75	1-7	Jersey City	Hudson		
	2600010877	MW-1	06/04/87		Decommissioned	681	7C	Jersey City	Hudson		
	2600010878	MW-2	06/04/87		Decommissioned	6.81	7C	Jersey City	Hudson		
	2600010879	MW-3	06/04/87		Decommissioned	6.81	7C	Jersey City	Hudson		
	2600010880	MW-4	06/04/87		Decommissioned	6.81	7C	Jersey City	Hudson		
	2600011028	MWA-1	06/29/87		Authorized	1286	4	Jersey City	Hudson		
	2600011029	MWB-1	06/29/87		Authorized	1286	4	Jersey City	Hudson		
	2600011030	MWA-2	06/29/87		Authorized	1286	4	Jersey City	Hudson		
	2600011031	MWB-2	06/29/87		Authorized	1286	4	Jersey City	Hudson		
	2600011032	MWA-3	06/29/87		Authorized	1286	4	Jersey City	Hudson		
	2600011033	MWB-3	06/29/87		Authorized	1286	4	Jersey City	Hudson		
	2600011188	MW-1	07/27/87	07/29/87	Authorized	1702.1	1	Jersey City	Hudson	20.00	ft
	2600011189	MW-2	07/27/87	07/29/87	Authorized	1702.1	1	Jersey City	Hudson	21.00	ft
	2600011690	W-1	10/07/87		Authorized	1252	3	Jersey City	Hudson		
	2600011691	MW2	10/07/87		Authorized	1252	F	Jersey City	Hudson		
	2600011692	W-3	10/07/87		Authorized	1252	3	Jersey City	Hudson		
	2600011693	MW4	10/07/87		Authorized	1252	F	Jersey City	Hudson		
	2600011694	MW5	10/07/87		Authorized	1252	F	Jersey City	Hudson		
	2600011695	MW6	10/07/87		Authorized	1252	F	Jersey City	Hudson		
	2600011696	MW7	10/07/87		Authorized	1252	F	Jersey City	Hudson		
	2600012122	MW-1	12/16/87		Decommissioned	1514.5	202A	Jersey City	Hudson		
	2600012123	MW-2	12/16/87		Decommissioned	1514.5	202A	Jersey City	Hudson		
	2600012124	MW-3	12/16/87		Decommissioned	1514.5	202A	Jersey City	Hudson		
	2600012177	MW-24	01/05/88		Authorized	1491	20	Jersey City	Hudson		
	2600012179	MW-27	01/05/88		Authorized	1491	20	Jersey City	Hudson		

	2600012180	MW-29	01/05/88		Authorized	1491	20	Jersey City	Hudson		
	2600012181	MW-30	01/05/88		Authorized	1491	20	Jersey City	Hudson		
	2600012184	MW-35	01/05/88		Authorized	2091	24/25	Jersey City	Hudson		
	2600012185	MW-36	01/05/88		Authorized	2091	24/25	Jersey City	Hudson		
	2600012193	MW-33	01/05/88		Authorized	2091	24, 25	Jersey City	Hudson		
	2600012194		01/05/88		Decommissioned	1326	86	Jersey City	Hudson		
	2600012329	MW-12A	01/26/88		Authorized	1507	12/4N	Jersey City	Hudson		
	2600012330	MW-10A	01/26/88		Authorized	1507	12/4N	Jersey City	Hudson		
	2600012338	MW25A	01/26/88		Authorized	1494	2,2B,2E,	Jersey City	Hudson		
	2600012339	MW-4A	01/26/88		Authorized	1494	2,2B,2E,	Jersey City	Hudson		
	2600012340	P-1	01/26/88		Authorized	1494	2,2B,2E,	Jersey City	Hudson		
	2600012341	P-14	01/26/88		Authorized	1494	2,2B,2E,	Jersey City	Hudson		
	2600012342	P-5	01/26/88		Authorized	1494	2,2B,2E,	Jersey City	Hudson		
	2600012344	MW-29	01/26/88		Authorized	1494	2,2B,2E,	Jersey City	Hudson		
	2600012345	MW23	01/26/88		Authorized	1494	2,2B,2E,	Jersey City	Hudson		
	2600012346	MW14A	01/26/88		Authorized	1494	2,2B,2E,	Jersey City	Hudson		
	2600012348	MW22	01/26/88		Authorized	1494	2,2B,2E,	Jersey City	Hudson		
	2600012349	MW22A	01/26/88		Authorized	1494	2,2B,2E,	Jersey City	Hudson		
	2600012350	P-8	01/26/88		Authorized	1494	2,2B,2E,	Jersey City	Hudson		
	2600012351	MW15A	01/26/88		Authorized	1494	2,2B,2E,	Jersey City	Hudson		
	2600012352	MW15	01/26/88		Authorized	1494	2,2B,2E,	Jersey City	Hudson		
	2600012353	MW-25	01/26/88		Authorized	1494	2,2B,2E,	Jersey City	Hudson		
	2600012354	MW14	01/26/88		Authorized	1494	2,2B,2E,	Jersey City	Hudson		
	2600012364	MW18	01/26/88		Authorized	1494	2,2B,2G,	Jersey City	Hudson		
	2600012366	MW-28	01/26/88		Authorized	1507	12/4N	Jersey City	Hudson		
	2600012367	MW27A	01/26/88		Authorized	1494	2,2B,2G,	Jersey City	Hudson		
	2600012368	P6	01/26/88		Authorized	1494	2,2B,2G,	Jersey City	Hudson		
	2600012369	MW13	01/26/88		Authorized	1494	2,2B,2G,	Jersey City	Hudson		
	2600012370	MW16	01/26/88		Authorized	1494	2,2B,2G,	Jersey City	Hudson		
	2600012371	MW19	01/26/88		Authorized	1494	2,2B,2G,	Jersey City	Hudson		
	2600012372	P-18	01/26/88		Authorized	1494	2,2B,2G,	Jersey City	Hudson		
	2600012650	MW-1	03/17/88		Authorized	60	31A & 32A	Jersey City	Hudson		
	2600012651	MW-2	03/17/88		Authorized	60	31A & 32A	Jersey City	Hudson		
	2600012652	MW-3	03/17/88		Authorized	60	31A & 32A	Jersey City	Hudson		
	2600012653	MW-4	03/17/88		Authorized	60	31A & 32A	Jersey City	Hudson		
	2600012714	MW-4	03/25/88		Authorized	382	A2, 7, 8, 25	Jersey City	Hudson		
	2600012716	MW-6	03/28/88		Authorized	346	33	Jersey City	Hudson		

	2600012717	MW-1	03/25/88		Authorized	381	B.PL, C, FL	Jersey City	Hudson		
	2600012718	MW-3	03/28/88		Authorized	382	A2, 7, 8 25	Jersey City	Hudson		
	2600012929		04/25/88		Proposed	15	26	Jersey City	Hudson		
	2600012935	MWD-5	04/25/88		Authorized			Jersey City	Hudson		
	2600012938		04/25/88		Proposed	15	26	Jersey City	Hudson		
	2600013047	B-14	05/06/88		Authorized	1389	P	Jersey City	Hudson		
	2600013048	B-7	05/06/88		Authorized	1389	P	Jersey City	Hudson		
	2600013057	MW-9	05/05/88		Authorized	97.98	A-F	Jersey City	Hudson		
	2600013058	MW-10	05/05/88		Authorized	97.98	A-F	Jersey City	Hudson		
	2600013711	B-1	07/22/88		Decommissioned	1507	2L15, 2L14	Jersey City	Hudson		
	2600013712	B-5	07/22/88		Decommissioned	1507	9	Jersey City	Hudson		
	2600013713	B-3	07/22/88		Decommissioned	1507	245, 244	Jersey City	Hudson		
	2600013816	1	08/08/88		Authorized	420	A-H	Jersey City	Hudson		
	2600013817	2	08/08/88		Authorized	420	A-J	Jersey City	Hudson		
	2600013818	3	08/08/88		Authorized	420	A=H	Jersey City	Hudson		
	2600013865	MW1SST	08/17/88		Decommissioned			Jersey City	Hudson		
	2600013867	MW15S	08/17/88		Decommissioned			Jersey City	Hudson		
	2600014075	MW-2	08/30/88		Authorized	745	M1	Jersey City	Hudson		
	2600014076	MW-1	08/30/88		Authorized	747	M1	Jersey City	Hudson		
	2600014143	MW-1	09/09/88		Decommissioned	1269	G	Jersey City	Hudson		
	2600014146	MW-4	09/09/88		Decommissioned	1269	G	Jersey City	Hudson		
	2600014147	MW-5A	09/09/88		Decommissioned	1269	G	Jersey City	Hudson		
	2600014549		10/31/88		Decommissioned	2040	26 & 27	Jersey City	Hudson		
	2600014550		10/31/88		Decommissioned	2040	26 & 27	Jersey City	Hudson		
	2600014551		10/31/88		Decommissioned	2040	26 & 27	Jersey City	Hudson		
	2600014565	MW-9	10/25/88		Authorized	981	20	Jersey City	Hudson		
	2600014759	W-8	11/15/88		Authorized	1252	3	Jersey City	Hudson		
	2600014760	W-9	11/15/88		Authorized	1252	4	Jersey City	Hudson		
	2600014761	W-10	11/15/88		Authorized	1252	4	Jersey City	Hudson		
	2600014976	MW-6	12/01/88		Authorized	346	A1, PL, 16, 18	Jersey City	Hudson		
	2600014977	MW-2	12/01/88		Authorized	346	A1, PL, 16, 18	Jersey City	Hudson		
	2600014978	MW-5	12/01/88		Authorized	382	A2, 7, 8, 25	Jersey City	Hudson		
	2600015288	#7S	01/13/89		Authorized	1627	1C	Jersey City	Hudson		
	2600015302	MW-8S	01/13/89		Decommissioned	1639	5C	Jersey City	Hudson		
	2600015303	MW-8D	01/13/89		Decommissioned	1639	5C	Jersey City	Hudson		
	2600015305	MW-1D	01/13/89		Decommissioned	1639	5C	Jersey City	Hudson		

	2600015306	MW-9S	01/13/89		Decommissioned	1639	5C	Jersey City	Hudson		
	2600015642	MW-1	02/16/89		Authorized	12-87-A	1A	Jersey City	Hudson		
	2600016030	4	04/04/89		Authorized	420	A-H	Jersey City	Hudson		
	2600016067	MW8	04/06/89	04/10/89	Decommissioned	1269	G	Jersey City	Hudson	14.00	ft
	2600016068	MW9	04/06/89	04/10/89	Decommissioned	1269	G	Jersey City	Hudson	14.00	ft
	2600016069	MW-10	04/06/89	04/07/89	Decommissioned	1269	G	Jersey City	Hudson	14.00	ft
	2600016102	MW-6	04/12/89		Decommissioned	235	13	Jersey City	Hudson		
	2600016124	MW-21	04/12/89		Decommissioned	1378	F9	Jersey City	Hudson		
	2600016125	MW-1	04/13/89		Authorized	1948	26-32	Jersey City	Hudson		
	2600016126	MW-18	04/14/89		Decommissioned	1378	F.9	Jersey City	Hudson		
	2600016128	MW-20	04/14/89		Decommissioned	1378	F.9	Jersey City	Hudson		
	2600016730	MW-18D	06/20/89		Authorized	15	9	Jersey City	Hudson		
	2600016803	GV-55-32	06/28/89		Authorized	1507	2L4,2L15	Jersey City	Hudson		
	2600016804	GV-55-31	06/28/89		Authorized	1507	2L4,2L15	Jersey City	Hudson		
	2600016805	GV-20	06/28/89		Authorized	1507	2L4,2L15	Jersey City	Hudson		
	2600016806	GV-55-37	06/28/89		Authorized	1507	2L4,2L15	Jersey City	Hudson		
	2600016807	GV-55-26	06/28/89		Authorized	1507	2L4,2L15	Jersey City	Hudson		
	2600016808	GV-55-24	06/28/89		Authorized	1507	2L4,2L15	Jersey City	Hudson		
	2600016809	GV-55-29	06/28/89		Authorized	1507	2L4,2L15	Jersey City	Hudson		
	2600016810	GV-55-30	06/28/89		Authorized	1507	2L4,2L15	Jersey City	Hudson		
	2600016811	GV-55-28	06/28/89		Authorized	1507	2L4,2L15	Jersey City	Hudson		
	2600016812	GV-55-27	06/28/89		Authorized	1507	2L4,2L15	Jersey City	Hudson		
	2600016933		07/12/89		Authorized	1507	2L4,2L15	Jersey City	Hudson		
	2600016934		07/12/89		Authorized	1507	2L4,2L15	Jersey City	Hudson		
	2600016935	GV-MW-6	07/12/89		Authorized	1507	2L4,2L15	Jersey City	Hudson		
	2600016937	MW-7B	07/12/89		Authorized	1507	2L4,2L15	Jersey City	Hudson		
	2600016938	7A	07/12/89		Authorized	1507	2L4,2L15	Jersey City	Hudson		
	2600016941		07/12/89		Authorized	1507	2L4,2L15	Jersey City	Hudson		
	2600016942		07/12/89		Authorized	1507	2L4,2L15	Jersey City	Hudson		
	2600016943		07/12/89		Authorized	1507	2L4,2L15	Jersey City	Hudson		
	2600016945	GV-MW7B	07/12/89		Authorized	1507	2L4,2L15	Jersey City	Hudson		
	2600016953	GV-55-25	07/12/89		Authorized	1507	2L4,2L15	Jersey City	Hudson		
	2600016954	GV-55-55	07/12/89		Authorized	1507	2L4,2L15	Jersey City	Hudson		
	2600016955	GV-55-52	07/12/89		Authorized	1507	2L4,2L15	Jersey City	Hudson		
	2600016975	GV-55-36	07/12/89		Authorized	1507	2L4,2L15	Jersey City	Hudson		
	2600016976	GV-55-33	07/12/89		Authorized	1507	2L4,2L15	Jersey City	Hudson		
	2600016978	GV-17	07/12/89		Authorized	1507	2L4,2L15	Jersey City	Hudson		

	2600017190	MW30	08/08/89		Authorized	1494,	22R,2B	Jersey City	Hudson		
	2600017191	MW40	08/08/89		Authorized	1494,	22R,2B	Jersey City	Hudson		
	2600017193	MW36	08/08/89		Authorized	1494,	22R,2B	Jersey City	Hudson		
	2600017194	MW35	08/08/89		Authorized	1494,	22R,2B	Jersey City	Hudson		
	2600017195	MW34	08/08/89		Authorized	1494,	22R,2B	Jersey City	Hudson		
	2600017196	MW37	08/08/89		Authorized	1494,	22R,2B	Jersey City	Hudson		
	2600017314		08/24/89		Authorized	172	G1	Jersey City	Hudson		
	2600017315		08/24/89		Authorized	172	G1	Jersey City	Hudson		
	2600017316		08/24/89		Authorized	172	G1	Jersey City	Hudson		
	2600017715	MW-1	10/04/89		Authorized	8.4	D2	Jersey City	Hudson		
	2600017716	MW-2	10/04/89		Authorized	8.4	D-2	Jersey City	Hudson		
	2600017717	MW-3	10/04/89		Authorized	8.4	D2	Jersey City	Hudson		
	2600017956	MW18-DT	10/23/89		Authorized	2.20	1.1.1.12	Jersey City	Hudson		
	2600017960	MW-18BR	10/23/89		Authorized	2.20	1.1.1.12	Jersey City	Hudson		
	2600018488	MW-1	12/18/89		Decommissioned	1883	1-8,22,2	Jersey City	Hudson		
	2600019050	MW-11	02/06/90		Decommissioned	1269	G	Jersey City	Hudson		
	2600019051	MW-12	02/06/90		Decommissioned	1269	G	Jersey City	Hudson		
	2600019052	MW-13	02/06/90		Decommissioned	1269	G	Jersey City	Hudson		
	2600019679	MW-2	03/15/90		Authorized	20	02	Jersey City	Hudson		
	2600019681	MW-4	03/15/90		Authorized	20	02	Jersey City	Hudson		
	2600019682	MW-5	03/15/90		Authorized	20	02	Jersey City	Hudson		
	2600019885	MW-1	04/03/90		Decommissioned	673	4B	Jersey City	Hudson		
	2600019886	MW-2	04/03/90		Decommissioned	673	4B	Jersey City	Hudson		
	2600019887	MW-3	04/03/90		Decommissioned	673	4B	Jersey City	Hudson		
	2600020006	MW-1	04/16/90		Authorized	87401	8547	Jersey City	Hudson		
	2600020007	MW-2	04/16/90		Authorized	87401	8547	Jersey City	Hudson		
	2600020008	MW-3	04/16/90		Authorized	87401	8547	Jersey City	Hudson		
	2600020009	MW-4	04/16/90		Authorized	87401	8547	Jersey City	Hudson		
	2600020010	MW-5	04/16/90		Authorized	87401	8547	Jersey City	Hudson		
	2600020255	MW-3	04/27/90		Authorized	G31-A	P-2	Jersey City	Hudson		
	2600020256	MW-4	04/27/90		Authorized	G31-A	P-2	Jersey City	Hudson		
	2600020748	MW-7	06/13/90		Authorized	2026A	1	Jersey City	Hudson		
	2600020749	MW-4	06/13/90		Authorized	2026A	1	Jersey City	Hudson		
	2600020750	MW-5	06/13/90		Authorized	2026A	1	Jersey City	Hudson		
	2600020751	mw-6	06/12/90		Authorized	2026A	1	Jersey City	Hudson		
	2600020919	MW-24	06/25/90		Decommissioned	1378	F9	Jersey City	Hudson		
	2600021057	MW1	07/06/90		Authorized	2087	2	Jersey City	Hudson		

	2600021058	MW-2	07/06/90		Authorized	2087	2	Jersey City	Hudson		
	2600021059	MW-3	07/06/90		Authorized	2087	12	Jersey City	Hudson		
	2600021472	MW-2	07/31/90		Authorized	1966,19	5,13-17	Jersey City	Hudson		
	2600021473	MW-3	07/31/90		Authorized	948	26, 29, 31, 32	Jersey City	Hudson		
	2600021609	MW1	08/06/90		Authorized	2128	97-A	Jersey City	Hudson		
	2600021610	MW2	08/06/90		Authorized	2128	97-A	Jersey City	Hudson		
	2600021611	MW-3	08/06/90		Authorized	2128	97-A	Jersey City	Hudson		
	2600021673	WP-1	08/09/90		Authorized	98	P	Jersey City	Hudson		
	2600021675	WP-3	08/09/90		Authorized	98	P	Jersey City	Hudson		
	2600021676	WP-4	08/09/90		Authorized	98	P	Jersey City	Hudson		
	2600021821	MW-1	08/21/90		Authorized	341	5	Jersey City	Hudson		
	2600021822	MW-2	08/21/90		Authorized	341	5	Jersey City	Hudson		
	2600021823	MW-3	08/21/90		Authorized	341	5	Jersey City	Hudson		
	2600021914	MW-20	08/29/90		Authorized	37	4	Jersey City	Hudson		
	2600022034	MW-2	09/11/90		Authorized	1300	4	Jersey City	Hudson		
	2600022035	MW-1	09/11/90		Authorized	1300	4	Jersey City	Hudson		
	2600022036	MW-3	09/11/90		Authorized	1300	4	Jersey City	Hudson		
	2600022897	MW-21	11/13/90		Decommissioned	98	12	Jersey City	Hudson		
	2600022941	MW-1	11/15/90		Authorized	171, 172	104 A	Jersey City	Hudson		
	2600022951	MW-1	11/15/90		Authorized	1702.1	1	Jersey City	Hudson		
	2600022974	W-1	11/15/90		Authorized	19	34	Jersey City	Hudson		
	2600022975	W-2	11/15/90		Authorized	19	34	Jersey City	Hudson		
	2600022976	W-3	11/15/90		Authorized	19	34	Jersey City	Hudson		
	2600023067	MW-4	11/27/90		Decommissioned	673	4B	Jersey City	Hudson		
	2600023068	mw-5	11/27/90		Decommissioned	673	4B	Jersey City	Hudson		
	2600023125	D-1	11/29/90		Authorized	1389	P	Jersey City	Hudson		
	2600023126	D-3	11/29/90		Authorized	N/A	N/A	Jersey City	Hudson		
	2600023127	D-2	11/29/90		Authorized	1389	P	Jersey City	Hudson		
	2600023128	D-4	11/29/90		Authorized	1389	P	Jersey City	Hudson		
	2600023871	C-5	02/11/91		Authorized	2087	28A	Jersey City	Hudson		
	2600023872	MW-2	02/11/91		Authorized	2087	13	Jersey City	Hudson		
	2600023873	C-1	02/11/91		Authorized	2070	18	Jersey City	Hudson		
	2600023874	L-5	02/11/91		Authorized	2070	18	Jersey City	Hudson		
	2600024257	D-4	03/19/91		Authorized	1330	43A	Jersey City	Hudson		
	2600024258	F-8	03/19/91		Authorized	1330	40A	Jersey City	Hudson		
	2600024259	J-1	03/19/91		Authorized	1330	45B	Jersey City	Hudson		
	2600024260	H-2	03/19/91		Authorized	1318	41A	Jersey City	Hudson		

	2600024862	MW1	05/07/91		Authorized	2082	A	Jersey City	Hudson		
	2600024863	MW-2	05/07/91		Authorized	2082	A	Jersey City	Hudson		
	2600024920	E-1	05/14/91		Authorized	2075	18	Jersey City	Hudson		
	2600024921	K-5	05/14/91		Authorized	2075	13	Jersey City	Hudson		
	2600024922	A-9	05/14/91		Authorized	2075	13	Jersey City	Hudson		
	2600024923	EE05	05/14/91		Authorized	2090	C	Jersey City	Hudson		
	2600024924	K-1	05/14/91		Authorized	2090	C	Jersey City	Hudson		
	2600024959	H-4	05/14/91		Authorized	1326	82	Jersey City	Hudson		
	2600024960	O74	05/14/91		Authorized	1326	84	Jersey City	Hudson		
	2600024992	MW-3	05/15/91		Authorized	642 A	32 A	Jersey City	Hudson		
	2600024993	MW-2	05/15/91		Authorized	642 A	32 A	Jersey City	Hudson		
	2600024994	MW-1	05/15/91		Authorized	642 A	32 A	Jersey City	Hudson		
	2600025053	MW-F1	05/21/91		Authorized	1507	2L4,2L15	Jersey City	Hudson		
	2600025437	O6	06/11/91		Authorized	2090	C	Jersey City	Hudson		
	2600025438	B-1	06/11/91		Authorized	2090	C	Jersey City	Hudson		
	2600025472	MW-1	06/11/91		Authorized	1774	PL.A	Jersey City	Hudson		
	2600025739	MW3A	07/02/91		Authorized	98	P	Jersey City	Hudson		
	2600025768	MW-04	07/03/91		Authorized	2050	7	Jersey City	Hudson		
	2600025769	A-3	07/03/91		Authorized	1996	12	Jersey City	Hudson		
	2600025778	KK1	07/03/91		Authorized	1996	11	Jersey City	Hudson		
	2600025779	E-1	07/03/91		Authorized	1996	10	Jersey City	Hudson		
	2600025809	ESMW-1	07/09/91		Decommissioned	N/A	N/A	Jersey City	Hudson		
	2600025810	ESMW-2	07/09/91		Decommissioned	N/A	N/A	Jersey City	Hudson		
	2600025811	ESMW-3	07/09/91		Decommissioned	N/A	N/A	Jersey City	Hudson		
	2600025853	MW-1	07/10/91		Authorized	1507	28	Jersey City	Hudson		
	2600025854	MW 2	07/10/91		Authorized	1507	2R,2P,2U	Jersey City	Hudson		
	2600025855	MW 3	07/10/91		Authorized	1507	2R,2P,2U	Jersey City	Hudson		
	2600025856	MW4	07/10/91		Authorized	1507	35	Jersey City	Hudson		
	2600025858	MW6	07/10/91		Authorized	1507	2R,2P,20	Jersey City	Hudson		
	2600025859	MW 7	07/10/91		Authorized	1507	2R,2P,2U	Jersey City	Hudson		
	2600025866	W-1	07/11/91	09/16/91	Authorized	1299	3	Jersey City	Hudson	20.00	ft
	2600025867	W-2	07/11/91	09/16/91	Authorized	1299	3	Jersey City	Hudson	20.00	ft
	2600025868	W-3	07/11/91	09/16/91	Authorized	1299	3	Jersey City	Hudson	20.00	ft
	2600026086	EN-MW-2	07/23/91		Authorized	1494	1D	Jersey City	Hudson		
	2600026092	ESMW-5	07/23/91		Decommissioned	N/A	N/A	Jersey City	Hudson		
	2600026135	MW-7	07/24/91		Authorized	423	20	Jersey City	Hudson		
	2600026136	MW-8	07/24/91		Authorized	423	20	Jersey City	Hudson		

	2600026230	MW-1	08/01/91		Authorized	15	D-1	Jersey City	Hudson		
	2600026231	MW-2	08/01/91		Authorized	15	D-1	Jersey City	Hudson		
	2600026368	MW-8R	08/13/91		Authorized	37	F	Jersey City	Hudson		
	2600026369	MW-5R	08/13/91		Authorized	3	1	Jersey City	Hudson		
	2600026370	MW-12R	08/13/91		Authorized	36	G 1	Jersey City	Hudson		
	2600026375	MW-1	08/13/91		Decommissioned	606.1	3	Jersey City	Hudson		
	2600026376	MW-2	08/13/91		Decommissioned	606.1	3	Jersey City	Hudson		
	2600026377	MW-3	08/13/91		Decommissioned	606.1	3	Jersey City	Hudson		
	2600026490	L-1	08/21/91		Authorized	1325	L	Jersey City	Hudson		
	2600026491	L-5	08/21/91		Authorized	1325	L	Jersey City	Hudson		
	2600026628	D-1	09/05/91		Decommissioned	2054	1	Jersey City	Hudson		
	2600026629	B-2	09/05/91		Authorized	1942	C	Jersey City	Hudson		
	2600026646	D-2	09/05/91		Authorized	1960	65	Jersey City	Hudson		
	2600026794	D-5	09/18/91		Authorized	753	14	Jersey City	Hudson		
	2600026795	H-3	09/18/91		Authorized	1744	10	Jersey City	Hudson		
	2600026796	H-3	09/18/91		Authorized	1744	10	Jersey City	Hudson		
	2600026797	F-1	09/18/91		Authorized	1744	9	Jersey City	Hudson		
	2600026798	C-2	09/18/91		Authorized	1328	11H	Jersey City	Hudson		
	2600026799	F-5	09/18/91		Authorized	1328	1G	Jersey City	Hudson		
	2600026813	C-4	09/19/91		Authorized	339	84	Jersey City	Hudson		
	2600026823	MW1	09/19/91		Authorized	2154	33-39	Jersey City	Hudson		
	2600026824	MW2	09/19/91		Authorized	2154	33-39	Jersey City	Hudson		
	2600026825	MW3	09/19/91		Authorized	2154	33-39	Jersey City	Hudson		
	2600026888	CC-4	09/24/91		Authorized	198	19	Jersey City	Hudson		
	2600026889	R-1	09/24/91		Authorized	198	15	Jersey City	Hudson		
	2600026890	F-4	09/24/91		Authorized	233	205	Jersey City	Hudson		
	2600026891	B-4	09/24/91		Authorized	198	8	Jersey City	Hudson		
	2600026949	MW-2	10/01/91		Authorized	1774	12-35,54	Jersey City	Hudson		
	2600026950	MW-3	10/01/91		Authorized	1774	12-35,54	Jersey City	Hudson		
	2600026951	MW-4	10/01/91		Authorized	1774	PL.A	Jersey City	Hudson		
	2600026976	MW-1	10/03/91		Authorized	1410	A4	Jersey City	Hudson		
	2600027035	MW-1	10/08/91		Authorized	1625	K	Jersey City	Hudson		
	2600027128	W-1	10/10/91		Authorized	1660	20 THRU 23	Jersey City	Hudson		
	2600027382	MW-1	11/07/91		Decommissioned	2154	2K	Jersey City	Hudson		
	2600028038	MW-4A	01/02/92		Authorized	1507	12/4N	Jersey City	Hudson		
	2600028039	MW-5	01/02/92		Authorized	1507	12/4N	Jersey City	Hudson		

	2600028043	PPG4-3	01/02/92		Decommissioned	1500	16	Jersey City	Hudson		
	2600028184	MW-2	01/14/92		Authorized	1407	4L	Jersey City	Hudson		
	2600028895	MW-1	03/10/92		Decommissioned	1879	1A	Jersey City	Hudson		
	2600028933	1	03/13/92		Authorized	1607	16	Jersey City	Hudson		
	2600029010	MW-1	03/24/92		Authorized	1640-43	C-3	Jersey City	Hudson		
	2600029011	MW-2	03/24/92		Authorized	1640-43	C-3	Jersey City	Hudson		
	2600029012	MW-3	03/24/92		Authorized	1640-43	C-3	Jersey City	Hudson		
	2600029257	MW #1	04/21/92		Authorized	681	6.U	Jersey City	Hudson		
	2600029258	MW#2	04/21/92		Authorized	681	6.U	Jersey City	Hudson		
	2600029259	MW3	04/21/92		Authorized	681	6.U	Jersey City	Hudson		
	2600029269	DW-1	04/21/92		Authorized	198	19	Jersey City	Hudson		
	2600029658	MW-1	06/02/92		Authorized	1252	F	Jersey City	Hudson		
	2600029830	MW-1	06/16/92	12/05/92	Authorized	501	1B	Jersey City	Hudson	12.00	ft
	2600029831	MW2	06/16/92	12/02/92	Authorized	501	1B	Jersey City	Hudson	12.00	ft
	2600029832	MW3	06/16/92	12/01/92	Authorized	501	1B	Jersey City	Hudson	34.00	ft
	2600029833	MW4	06/16/92	12/02/92	Authorized	501	1B	Jersey City	Hudson	12.00	ft
	2600029834	MW5	06/16/92	12/02/92	Authorized	501	1B	Jersey City	Hudson	12.00	ft
	2600029995	MW1	06/30/92	01/18/93	Authorized	681	6T	Jersey City	Hudson	12.00	ft
	2600029996	MW2	06/30/92	01/18/93	Authorized	681	6T	Jersey City	Hudson	12.00	ft
	2600029997	MW3	06/30/92	01/18/93	Authorized	681	6T	Jersey City	Hudson	12.00	ft
	2600030896	MW-1	09/17/92	09/17/92	Authorized	1946	A	Jersey City	Hudson	11.00	ft
	2600030897	MW2S	09/17/92	09/17/92	Authorized	1946	A	Jersey City	Hudson	14.00	ft
	2600031024	MW11	09/29/92		Authorized	1252	F	Jersey City	Hudson		
	2600031025	MW12	09/29/92		Authorized	1252	F	Jersey City	Hudson		
	2600031258	MW13	10/20/92		Authorized	1252	F	Jersey City	Hudson		
	2600031352	MW1	10/27/92	11/04/92	Authorized	1326	83A	Jersey City	Hudson	15.00	ft
	2600031353	MW-1	10/27/92	11/02/92	Authorized	1996	10	Jersey City	Hudson	21.00	ft
	2600031354	MW-1	10/27/92	11/04/92	Authorized	2050	9	Jersey City	Hudson	23.00	ft
	2600031372	037MW1	10/29/92	11/04/92	Authorized	1328	11H	Jersey City	Hudson	15.00	ft
	2600031643	MW-1	11/12/92		Decommissioned	1507	10C	Jersey City	Hudson		
	2600031645	MW-2	11/12/92		Authorized	2145	40H	Jersey City	Hudson		
	2600031654	MW-1	11/17/92		Decommissioned	173	114,116,118	Jersey City	Hudson		
	2600031655	MW-2	11/17/92		Decommissioned	173	114,116,118	Jersey City	Hudson		
	2600031656	MW-3	11/17/92		Decommissioned	173	114,116,118	Jersey City	Hudson		
	2600032109	OB4	12/29/92	01/13/93	Authorized	N/A	N/A	Jersey City	Hudson	27.00	ft
	2600032147	MW07	01/05/93	01/06/93	Authorized	2048	A-1	Jersey City	Hudson	13.00	ft
	2600032148	MW06	01/05/93	01/18/93	Authorized	2048	A-1	Jersey City	Hudson	14.00	ft

	2600032151	SA2-MW04	01/05/93	01/15/93	Decommissioned	21544	6 & 7B	Jersey City	Hudson	10.00	ft
	2600032157	SA2-MW03	01/05/93	01/07/93	Decommissioned	2044.3	4	Jersey City	Hudson	12.00	ft
	2600032207	MW3	01/12/93	01/13/93	Authorized	1252	F	Jersey City	Hudson	18.00	ft
	2600032227	MW01	01/12/93	01/14/93	Authorized	N/A	N/A	Jersey City	Hudson	15.00	ft
	2600032898	MW10	03/17/93	04/01/93	Authorized	187	19A	Jersey City	Hudson	26.00	ft
	2600033105	MW-2	04/08/93		Decommissioned	1507	10.C	Jersey City	Hudson		
	2600033317	MW1	04/27/93	05/12/93	Authorized	1775-A	A.9	Jersey City	Hudson	15.00	ft
	2600033418	MW-3	05/11/93	05/13/93	Decommissioned	2145	40H	Jersey City	Hudson	15.00	ft
	2600033424	MW2	05/11/93	05/24/93	Authorized	134	6	Jersey City	Hudson	13.00	ft
	2600033428	MW1	05/11/93	05/19/93	Authorized	1497	1E	Jersey City	Hudson	6.00	ft
	2600033429	PP62	05/11/93	05/21/93	Authorized	1497	1E	Jersey City	Hudson	7.00	ft
	2600033430	MW3	05/11/93	05/20/93	Authorized	1497	1E	Jersey City	Hudson	6.00	ft
	2600033431	MW4	05/11/93	05/19/93	Authorized	1497	1E	Jersey City	Hudson	14.00	ft
	2600033432	MW5	05/11/93	05/19/93	Authorized	1497	1E	Jersey City	Hudson	15.00	ft
	2600033583	MW1	05/25/93	06/01/93	Decommissioned	1293	2A	Jersey City	Hudson	17.00	ft
	2600033584	MW2	05/25/93	06/02/93	Decommissioned	1293	2A	Jersey City	Hudson	13.00	ft
	2600033585	MW3	05/25/93	06/02/93	Decommissioned	1293	2A1	Jersey City	Hudson	13.00	ft
	2600033586	MW4	05/25/93	06/03/93	Decommissioned	1293	2A	Jersey City	Hudson	15.00	ft
	2600033661	MW1	07/08/93	07/21/93	Authorized	1326	82	Jersey City	Hudson	23.00	ft
	2600033748	MW-1	07/08/93	07/21/93	Authorized	1960	65	Jersey City	Hudson	21.00	ft
	2600034605	WW-2	09/07/93	09/14/93	Authorized	16.23	6	Jersey City	Hudson	11.00	ft
	2600034694	MW1	09/17/93	09/28/93	Decommissioned	681	2.A/HM	Jersey City	Hudson	13.00	ft
	2600034695	MW2	09/17/93	09/28/93	Decommissioned	681	2.A/HM	Jersey City	Hudson	13.00	ft
	2600035250	MW-1	11/16/93	11/19/93	Decommissioned	1253	36	Jersey City	Hudson	20.00	ft
	2600035302	MW-5	11/18/93	12/17/93	Decommissioned	1497	2P	Jersey City	Hudson	11.00	ft
	2600035304	PP 65 MW 7	11/18/93	02/15/94	Authorized	1497	13	Jersey City	Hudson	30.00	ft
	2600035305	MW3	11/19/93	03/09/94	Authorized	1497	2S	Jersey City	Hudson	13.00	ft
	2600035306	MW-4	11/19/93	04/07/94	Authorized	1497	2L	Jersey City	Hudson	18.00	ft
	2600035307	PP65 MW1	11/19/93	04/06/94	Authorized	1497	13	Jersey City	Hudson	15.00	ft
	2600035328	MW-6	11/23/93	04/07/94	Authorized	1497	2R	Jersey City	Hudson	12.00	ft
	2600035329	MW1	11/23/93	04/05/94	Authorized	1497	2R	Jersey City	Hudson	17.00	ft
	2600035330	PP65 MW10	11/23/93	04/06/94	Authorized	1497	13	Jersey City	Hudson	18.00	ft
	2600035331	PP65 MW 8	11/23/93	12/17/93	Authorized	1497	13	Jersey City	Hudson	10.00	ft
	2600035355	MW-5	11/30/93		Authorized	1251	83	Jersey City	Hudson		
	2600035922	12	01/31/94	02/28/94	Authorized	1497	2P	Jersey City	Hudson	20.00	ft
	2600036054	2	02/14/94	02/17/94	Authorized	1772	87	Jersey City	Hudson	14.00	ft
	2600036055	3	02/14/94	02/17/94	Authorized	1772	87	Jersey City	Hudson	14.00	ft

	2600036056	MWW4	02/14/94		Authorized	1772	87	Jersey City	Hudson		
	2600036423	MW-1	03/23/94	04/20/94	Authorized	1774	54-75	Jersey City	Hudson	20.00	ft
	2600036620	MW-2	04/12/94	04/18/94	Authorized	2094	A & A1	Jersey City	Hudson	15.00	ft
	2600036621	MW-3	04/12/94	04/19/94	Authorized	2094	A & A1	Jersey City	Hudson	15.00	ft
	2600036708	MW-2	04/20/94		Authorized	2050	22	Jersey City	Hudson	20.00	ft
	2600037202	SA-2MW09	06/13/94	06/23/94	Decommissioned	2048	A-A-4	Jersey City	Hudson	12.00	ft
	2600037203	SA-2MW-10	06/13/94	06/24/94	Decommissioned	2048	A-A-4	Jersey City	Hudson	9.00	ft
	2600037204	SA-2MW-11	06/13/94	06/27/94	Decommissioned	2048	A-A-4	Jersey City	Hudson	13.00	ft
	2600037311	MW4	06/16/94		Authorized	1299	3	Jersey City	Hudson		
	2600037328	PPG-15A	07/05/94	07/27/94	Decommissioned	339	84	Jersey City	Hudson	11.00	ft
	2600037432	MW-5	06/30/94	08/31/94	Decommissioned	1293	2A	Jersey City	Hudson	17.00	ft
	2600037450	PPG-15B	07/05/94	07/28/94	Authorized	198	15	Jersey City	Hudson	9.00	ft
	2600037451	PPG-15B	07/05/94	07/28/94	Authorized	198	18	Jersey City	Hudson	13.00	ft
	2600037452	PPG15C-MW1	07/05/94	07/29/94	Authorized	233	204	Jersey City	Hudson	11.00	ft
	2600037676	MW-14	08/02/94	09/07/94	Authorized	302	1	Jersey City	Hudson	14.00	ft
	2600037680	MW-1	08/02/94	09/23/94	Decommissioned	681	6-W	Jersey City	Hudson	13.00	ft
	2600037829	MW6	08/23/94	08/31/94	Decommissioned	1293	2A	Jersey City	Hudson	17.00	ft
	2600038154	1	09/27/94	10/04/94	Authorized	1286	5B	Jersey City	Hudson	15.00	ft
	2600038243	MW-1A	10/04/94	10/21/94	Decommissioned	1254	A1&5-39	Jersey City	Hudson	21.00	ft
	2600038416	MW-9	10/17/94	10/28/94	Authorized	1774	54-75	Jersey City	Hudson	93.00	ft
	2600038417	MW-10	10/17/94	10/31/94	Authorized	1774	54-75	Jersey City	Hudson	60.00	ft
	2600038541	MW7	10/19/94	10/26/94	Decommissioned	1293	2A	Jersey City	Hudson	15.00	ft
	2600038542	MW8	10/19/94	10/27/94	Decommissioned	1293	2A	Jersey City	Hudson	15.00	ft
	2600039559	MW-01	02/10/95	03/21/95	Authorized	2020	3	Jersey City	Hudson	17.00	ft
	2600039560	MW-02	02/10/95	02/28/95	Authorized	2020	3	Jersey City	Hudson	16.00	ft
	2600039562	3	02/10/95	06/08/95	Authorized	60	21D-27A	Jersey City	Hudson	14.00	ft
	2600039619	G2-B01-MW-01	02/14/95	03/28/95	Authorized	2145	41F	Jersey City	Hudson	16.00	ft
	2600039694	MW-3	02/17/95	04/17/95	Decommissioned	20	1.03	Jersey City	Hudson	16.00	ft
	2600039695	MW-2	02/17/95	05/25/95	Decommissioned	20	1.06	Jersey City	Hudson	19.00	ft
	2600039696	B08-MW-01	02/17/95	03/14/95	Decommissioned	109	EAST A	Jersey City	Hudson	15.00	ft
	2600039697	MW04	02/17/95	05/31/95	Decommissioned	20	4.03	Jersey City	Hudson	15.00	ft
	2600039698	MW-5	02/17/95	04/13/95	Decommissioned	20	4.02	Jersey City	Hudson	14.00	ft
	2600039734	1	02/22/95	03/01/95	Authorized	1	402	Jersey City	Hudson	17.00	ft
	2600039736	MW3	02/22/95	04/03/95	Authorized	1	402	Jersey City	Hudson	16.00	ft
	2600039785	G4-MW01	02/23/95	03/08/95	Decommissioned	1494	13	Jersey City	Hudson	12.00	ft
	2600039786	G4-B12	02/23/95	03/08/95	Decommissioned	1494	13	Jersey City	Hudson	12.00	ft
	2600039984	G4-MW20	03/14/95	04/03/95	Decommissioned	1494	13	Jersey City	Hudson	16.00	ft

	2600039985	G4-MW19	03/14/95	03/30/95	Decommissioned	1494	13	Jersey City	Hudson	13.00	ft
	2600039986	G4-MW1B	03/14/95	03/30/95	Decommissioned	1494	13	Jersey City	Hudson	15.00	ft
	2600039987	G4 MW17	03/14/95	03/28/95	Authorized	1494	6	Jersey City	Hudson	14.00	ft
	2600039988	05	03/14/95	04/03/95	Decommissioned	1491	7B	Jersey City	Hudson	18.00	ft
	2600039989	G4/MW06	03/14/95	04/04/95	Authorized	1507	7B	Jersey City	Hudson	23.00	ft
	2600039991	MW1	03/14/95	05/10/94	Authorized	2044.3	A,H	Jersey City	Hudson	14.00	ft
	2600039992	MW3	03/14/95	05/10/94	Authorized	2044.3	A,H	Jersey City	Hudson	12.00	ft
	2600040262	MW1	04/10/95	04/17/95	Authorized	2145	55 A,B,C	Jersey City	Hudson	15.00	ft
	2600040263	MW 2	04/10/95	04/18/95	Authorized	2145	55 A,B,C	Jersey City	Hudson	18.00	ft
	2600040290	G4/ MW07	04/12/95		Authorized	1507	C	Jersey City	Hudson		
	2600040291	G4/ MW08	04/12/95		Authorized	1507	11	Jersey City	Hudson		
	2600040500	MW-5	05/02/95	05/08/95	Authorized	1	402	Jersey City	Hudson	14.00	ft
	2600040749	B13	05/17/95	06/02/95	Decommissioned	1494	13	Jersey City	Hudson	26.00	ft
	2600040852	MW-1	05/30/95	06/26/95	Authorized	828	78	Jersey City	Hudson	15.00	ft
	2600040853	MW-2	05/30/95	06/26/95	Authorized	828	78	Jersey City	Hudson	15.00	ft
	2600040854	MW-3	05/30/95	06/26/95	Authorized	828	78	Jersey City	Hudson	15.00	ft
	2600040983	MW-1	06/08/95	07/05/95	Authorized	446	P3	Jersey City	Hudson	17.00	ft
	2600040986	MW-1	06/08/95	07/06/95	Authorized	1290.1	14D, 14H, 14J, 15D, A1, A2, 2D	Jersey City	Hudson	21.00	ft
	2600041056	MW-2	06/14/95	06/21/95	Decommissioned	1497	30	Jersey City	Hudson	10.00	ft
	2600041109	MW-1	06/19/95	07/13/95	Decommissioned	1295	10,20	Jersey City	Hudson	13.00	ft
	2600041154	MW4A	06/21/95	06/27/98	Authorized	1525	F	Jersey City	Hudson	14.00	ft
	2600041226	MW3D	06/30/95	07/21/95	Authorized	2083	86-90	Jersey City	Hudson	37.00	ft
	2600041417	B57/MW07	07/21/95	07/26/95	Decommissioned	2154.4	8A	Jersey City	Hudson	12.00	ft
	2600041418	GWB59/MW08	07/21/95	07/27/95	Decommissioned	2154.4	6	Jersey City	Hudson	12.00	ft
	2600041419	G1-B61/MW-9	07/21/95	08/01/95	Decommissioned	2154.4	7B	Jersey City	Hudson	13.00	ft
	2600041420	B6S/MW10	07/21/95	08/03/95	Decommissioned	2154.4	7B	Jersey City	Hudson	14.00	ft
	2600041421	G1-MW11	07/21/95	07/27/95	Authorized	2154.4	7B	Jersey City	Hudson	15.00	ft
	2600041422	12	07/21/95	08/01/95	Authorized	33	10	Jersey City	Hudson	14.00	ft
	2600041460	B79/MW13	07/26/95	08/13/95	Decommissioned	2154.4	8A	Jersey City	Hudson	13.00	ft
	2600041461	G1-B64/MW14	07/26/95	08/17/95	Decommissioned	2154.4	7B	Jersey City	Hudson	12.00	ft
	2600041462	G1-B71/MW15	07/26/95	08/09/95	Decommissioned	2154.4	7B	Jersey City	Hudson	13.00	ft
	2600041608	MW-1	08/02/95	08/11/95	Authorized	1810	35C	Jersey City	Hudson	20.00	ft
	2600041634	MW-101	08/07/95	08/21/95	Authorized	2145	40H	Jersey City	Hudson	14.00	ft
	2600041701	G1AB10M04	08/15/95	08/23/95	Authorized	39	19N	Jersey City	Hudson	14.00	ft
	2600041802	G1AB07MW03	08/21/95	09/14/95	Authorized	39	19N	Jersey City	Hudson	12.00	ft
	2600041803	B03/MW1	08/21/95	09/11/95	Authorized	60	19	Jersey City	Hudson	14.00	ft

	2600041804	G1AB04/MW02	08/21/95	09/12/95	Authorized	60	19	Jersey City	Hudson	13.00	ft
	2600042156	9	09/26/95	10/26/95	Authorized	SSWP	SSWP	Jersey City	Hudson	21.00	ft
	2600042214	MW-103	09/28/95	10/10/95	Authorized	2145	40	Jersey City	Hudson	13.00	ft
	2600042215	MW-104	09/28/95	10/10/95	Authorized	2145	40	Jersey City	Hudson	11.00	ft
	2600042217	1	09/29/95	11/17/95	Authorized	139	87-88	Jersey City	Hudson	15.00	ft
	2600042218	2	09/29/95	11/17/95	Authorized	139	87-88	Jersey City	Hudson	13.00	ft
	2600042696	MW-3	11/03/95	11/30/95	Decommissioned	60	34	Jersey City	Hudson	15.00	ft
	2600042697	MW-4	11/03/95	12/01/95	Decommissioned	60	34	Jersey City	Hudson	15.00	ft
	2600042698	MW-5	11/03/95	12/01/95	Decommissioned	60	34	Jersey City	Hudson	15.00	ft
	2600042782	MW-6	11/09/95	11/14/95	Authorized	1	402	Jersey City	Hudson	17.00	ft
	2600043186	015MW-1	12/22/95	04/01/96	Authorized	2154	22K,64,B	Jersey City	Hudson	13.00	ft
	2600043187	O15MW11	12/22/95	04/01/96	Authorized	2154	22K,64,B	Jersey City	Hudson	13.00	ft
	2600043646	MW 14	02/22/96	06/05/96	Authorized	1252	f	Jersey City	Hudson	16.00	ft
	2600043793	MW-2	03/11/96	03/23/96	Authorized	1810	35C	Jersey City	Hudson	17.00	ft
	2600044308	M-1	04/16/96	04/30/96	Decommissioned	593.A	PL.F	Jersey City	Hudson	11.00	ft
	2600044415	165 MW-1	04/29/96	04/30/96	Authorized	2145	41R	Jersey City	Hudson	17.00	ft
	2600044416	165MW-2	04/29/96	05/31/96	Authorized	2145	41R	Jersey City	Hudson	19.00	ft
	2600044465	MW 11	05/09/96	05/29/96	Authorized	1774	54-75	Jersey City	Hudson	21.00	ft
	2600044489	P6	05/14/96	05/20/96	Decommissioned	20	5.01	Jersey City	Hudson	18.00	ft
	2600044945	B5-MW1	07/03/96	07/26/96	Decommissioned	1807	46	Jersey City	Hudson	10.00	ft
	2600044946	(MW-2)MW-1	07/03/96	07/25/96	Decommissioned	1807	58	Jersey City	Hudson	9.00	ft
	2600044947	MW-3	07/03/96	07/26/96	Decommissioned	1807	58	Jersey City	Hudson	10.00	ft
	2600045151	MW07	07/23/96	07/24/96	Authorized	60	A5	Jersey City	Hudson	12.00	ft
	2600045153	165MW-4	07/23/96	08/08/96	Authorized	2145	41R	Jersey City	Hudson	14.00	ft
	2600045181	MW01	07/19/96	07/25/96	Authorized	60	VARIOUS	Jersey City	Hudson	7.00	ft
	2600045183	MW-03	07/19/96	07/25/96	Authorized	60	VARIOUS	Jersey City	Hudson	8.00	ft
	2600045185	MW-05	07/19/96	07/24/96	Authorized	60	VARIOUS	Jersey City	Hudson	13.00	ft
	2600045186	MW-06	07/19/96	07/24/96	Authorized	60	VARIOUS	Jersey City	Hudson	10.00	ft
	2600045187	185/MW8/067	07/19/96	07/25/96	Decommissioned	60	VARIOUS	Jersey City	Hudson	6.00	ft
	2600045379	MW13	08/13/96	08/21/96	Authorized	60	A5	Jersey City	Hudson	18.00	ft
	2600045588	MW2A	09/10/96	09/27/96	Authorized	7285	7,7A	Jersey City	Hudson	14.00	ft
	2600045845	RW-3	10/02/96	10/17/96	Authorized	2145	40	Jersey City	Hudson	14.00	ft
	2600045846	RW-8	10/02/96	10/17/96	Authorized	2145	40	Jersey City	Hudson	16.00	ft
	2600046508	MW105S	12/31/96	01/23/97	Authorized	2145	40H	Jersey City	Hudson	15.00	ft
	2600046509	MW106S	12/31/96	01/20/97	Authorized	2145	40H	Jersey City	Hudson	15.00	ft
	2600046510	MW107S	12/31/96	01/23/97	Authorized	2145	40H	Jersey City	Hudson	15.00	ft
	2600046511	MW108S	12/31/96	01/20/97	Authorized	2145	40H	Jersey City	Hudson	15.00	ft

	2600046715	MW-1	01/29/97	01/10/97	Authorized	130	G1	Jersey City	Hudson	20.00	ft
	2600046716	MW-2	01/29/97	01/10/97	Authorized	165	1G	Jersey City	Hudson	19.00	ft
	2600046947	MW-6	02/28/97	03/11/97	Authorized	2	220	Jersey City	Hudson	20.00	ft
	2600046948	MW-7	02/28/97	03/11/97	Authorized	2	220	Jersey City	Hudson	20.00	ft
	2600046949	MW2	03/04/97	03/19/97	Authorized	799	153	Jersey City	Hudson	12.00	ft
	2600046950	MW3	03/04/97	03/19/97	Authorized	799	153	Jersey City	Hudson	12.00	ft
	2600046951	MW1	03/04/97	03/19/97	Authorized	799	153	Jersey City	Hudson	12.00	ft
	2600046978	MW #1	03/06/97	03/19/97	Authorized	255	A.3	Jersey City	Hudson	14.00	ft
	2600046979	MW #2	03/06/97	03/19/97	Authorized	255	A.3	Jersey City	Hudson	14.00	ft
	2600046980	MW #3	03/06/97	03/19/97	Authorized	255	A.3	Jersey City	Hudson	15.00	ft
	2600047311	155 MW-A05	04/16/97	08/06/97	Decommissioned	1361	A	Jersey City	Hudson	13.00	ft
	2600047312	155 MW-001	04/16/97	11/11/97	Decommissioned	1361	A	Jersey City	Hudson	15.00	ft
	2600047313	155 MW-A01	04/16/97	08/26/97	Decommissioned	1361	A	Jersey City	Hudson	14.00	ft
	2600047331	MW-1	04/16/97	04/25/97	Authorized	60	PL.A.	Jersey City	Hudson	12.00	ft
	2600047332	MW-2	04/16/97	04/25/97	Authorized	60	PL.A.	Jersey City	Hudson	10.00	ft
	2600047333	MW-3	04/16/97	04/25/97	Authorized	60	PL.A.	Jersey City	Hudson	13.00	ft
	2600047614	MW#10S - MW10 ON WELL RECORD	05/23/97	06/25/97	Authorized	2083	86-91	Jersey City	Hudson	19.00	ft
	2600047719	MW-1	06/10/97	07/08/97	Authorized	1834	PLA	Jersey City	Hudson	19.00	ft
	2600047720	MW-2	06/10/97	07/08/97	Authorized	1834	PLA	Jersey City	Hudson	19.00	ft
	2600047721	MW-3	06/10/97	07/08/97	Authorized	1834	PLA	Jersey City	Hudson	17.00	ft
	2600048213	MW-1	07/29/97	08/18/97	Authorized	198	S, 1-6	Jersey City	Hudson	12.00	ft
	2600048214	MW-2	07/29/97	08/18/97	Authorized	198	S, 1-6	Jersey City	Hudson	12.00	ft
	2600048238	MW03	07/30/97	10/02/97	Decommissioned	20	3.04	Jersey City	Hudson	15.00	ft
	2600048557	MW-1	08/26/97	09/09/97	Authorized	2101-21	2	Jersey City	Hudson	11.00	ft
	2600048714	mw-37	09/08/97	10/30/97	Decommissioned	20	3.04	Jersey City	Hudson	14.00	ft
	2600048888	MW1	10/01/97	10/20/97	Authorized	1314	67A	Jersey City	Hudson	18.00	ft
	2600049038	MW-2	10/20/97	10/27/97	Authorized	1507	25	Jersey City	Hudson	15.00	ft
	2600049039	MW-3	10/20/97	10/28/97	Authorized	1507	25	Jersey City	Hudson	15.00	ft
	2600049302	MW4	11/10/97	11/19/97	Authorized	255	A3	Jersey City	Hudson	14.00	ft
	2600049416	MW5	11/19/97	11/19/97	Authorized	255	A3	Jersey City	Hudson	14.00	ft
	2600049533	MW-1	12/18/97	01/22/98	Decommissioned	1639.1	5C	Jersey City	Hudson	14.00	ft
	2600049538	MW-3	12/18/97	01/21/98	Decommissioned	1639.1	5.C	Jersey City	Hudson	8.00	ft
	2600049845	MW1	01/22/98	02/02/98	Decommissioned	1605	5-8,9A	Jersey City	Hudson	18.00	ft
	2600049848	MW4	01/22/98	02/02/98	Decommissioned	1605	5-8,9A	Jersey City	Hudson	18.00	ft
	2600049855	MW-1	01/23/98	02/23/98	Authorized	1990	A	Jersey City	Hudson	20.00	ft
	2600049856	MW-2	01/23/98	02/23/98	Authorized	1990	A	Jersey City	Hudson	20.00	ft

	2600049857	MW-3	01/23/98	02/23/98	Authorized	1990	A	Jersey City	Hudson	17.00	ft
	2600049858	MW-1	01/23/98	02/24/98	Authorized	567	77	Jersey City	Hudson	17.00	ft
	2600049859	MW-2	01/23/98	03/24/98	Authorized	567	77	Jersey City	Hudson	12.00	ft
	2600049860	MW-3	01/23/98	03/24/98	Authorized	567	77	Jersey City	Hudson	17.00	ft
	2600050098	MW1	02/24/98	02/27/98	Authorized	2154	65;66	Jersey City	Hudson	16.00	ft
	2600050099	MW2	02/24/98	02/27/98	Authorized	2154	65;66	Jersey City	Hudson	14.00	ft
	2600050100	MW3	02/24/98	02/27/98	Authorized	2154	65;66	Jersey City	Hudson	12.00	ft
	2600050366	MW-1	03/27/98	04/08/98	Decommissioned	131-1	16	Jersey City	Hudson	19.00	ft
	2600050594	MW6	04/22/98	05/04/98	Authorized	1E	1494	Jersey City	Hudson	6.00	ft
	2600050595	MW7	04/22/98	05/06/98	Authorized	1E	1494	Jersey City	Hudson	10.00	ft
	2600050596	MW8	04/22/98	05/05/98	Authorized	1E	1494	Jersey City	Hudson	10.00	ft
	2600050598	MW10	04/22/98	05/07/98	Authorized	1E	1494	Jersey City	Hudson	29.00	ft
	2600050604	MW-1	04/22/98	05/05/98	Authorized	1351	5.1	Jersey City	Hudson	19.00	ft
	2600050605	MW-2	04/22/98	05/05/98	Authorized	1351	5.1	Jersey City	Hudson	15.00	ft
	2600050606	MW-3	04/22/98	05/05/98	Authorized	1351	5.1	Jersey City	Hudson	12.00	ft
	2600050703	MW1	04/23/98	05/06/98	Decommissioned	102	L.1	Jersey City	Hudson	12.00	ft
	2600050776	MW-1	05/01/98	05/12/98	Authorized	1299.5	8.A	Jersey City	Hudson	14.00	ft
	2600050777	MW-2	05/01/98	05/12/98	Authorized	1299.5	8.A	Jersey City	Hudson	14.00	ft
	2600050778	MW-3	05/01/98	05/12/98	Authorized	1299.5	8.A	Jersey City	Hudson	18.00	ft
	2600051215	155 MW-AA03	06/22/98	09/03/98	Decommissioned	1361	A	Jersey City	Hudson	14.00	ft
	2600051296	154MWC7	07/01/98	09/03/98	Authorized	01284.4	00001	Jersey City	Hudson	14.00	ft
	2600051297	154MW-F7E	07/01/98	09/03/98	Authorized	01284.4	00001	Jersey City	Hudson	14.00	ft
	2600051458	MW-2	07/24/98	07/28/98	Authorized	745	1	Jersey City	Hudson	23.00	ft
	2600051521	MW1	08/04/98	09/08/98	Decommissioned	1739	6A	Jersey City	Hudson	20.00	ft
	2600051632	MW-8	08/13/98	09/02/98	Authorized	1627.1	3A & 4A	Jersey City	Hudson	15.00	ft
	2600051652	MW-1	08/18/98	09/01/99	Authorized	C-2	8	Jersey City	Hudson	15.00	ft
	2600051916	MW6	09/22/98	10/12/98	Authorized	1252	F	Jersey City	Hudson	16.00	ft
	2600052095	MW-7	10/13/98	10/15/98	Authorized	1507	25	Jersey City	Hudson	16.00	ft
	2600052096	MW-8	10/13/98	10/15/98	Authorized	1507	25	Jersey City	Hudson	15.00	ft
	2600052194	MW-1	10/19/98	10/30/98	Authorized	1272	10-11	Jersey City	Hudson	12.00	ft
	2600052493	MW-13	11/13/98	05/03/99	Authorized	1E	1494	Jersey City	Hudson	40.00	ft
	2600052494	MW-11	11/13/98	04/29/99	Authorized	1E	1494	Jersey City	Hudson	15.00	ft
	2600053281	TB1	03/09/99	03/09/99	Authorized	2101	7A,86-91	Jersey City	Hudson	140.00	ft
	2600054006	MW-01	05/13/99	05/25/99	Authorized	652	4	Jersey City	Hudson	30.00	ft
	2600054008	MW-02A	05/13/99	05/25/99	Authorized	652	4	Jersey City	Hudson	10.00	ft
	2600054014	MW-05A	05/13/99	05/20/99	Authorized	652	4	Jersey City	Hudson	8.00	ft
	2600054015	MW-05B	05/13/99	05/20/99	Authorized	651	4	Jersey City	Hudson	28.00	ft

	2600054282	MW-2	06/16/99	07/01/99	Authorized	1751	10R	Jersey City	Hudson	10.00	ft
	2600054537	MW-1	06/29/99	07/29/99	Decommissioned	2017	1-25	Jersey City	Hudson	14.00	ft
	2600054737	MW-1	07/26/99	08/02/99	Decommissioned	339,338	83,174	Jersey City	Hudson	18.00	ft
	2600054738	MW-2	07/26/99	08/02/99	Decommissioned	339,338	83,174	Jersey City	Hudson	18.00	ft
	2600054739	MW-3	07/26/99	08/02/99	Decommissioned	339,338	83,174	Jersey City	Hudson	18.00	ft
	2600054770	MW-3	07/29/99	09/23/99	Authorized	60	40,27A	Jersey City	Hudson	15.00	ft
	2600054806	MW-1	08/03/99	08/12/99	Decommissioned	1980	1.B	Jersey City	Hudson	41.00	ft
	2600055509	MW-4	10/12/99	05/29/07	Authorized	1417	WB	Jersey City	Hudson	13.00	ft
	2600055667	EP-1	10/29/99	11/08/99	Authorized	1507	25	Jersey City	Hudson	10.00	ft
	2600055668	EP-2	10/29/99	11/08/99	Authorized	1507	25	Jersey City	Hudson	10.00	ft
	2600055669	EP-3	10/29/99	11/08/99	Authorized	1507	25	Jersey City	Hudson	10.00	ft
	2600056056	MW-1	12/02/99	12/21/99	Decommissioned	1271.5	A.1	Jersey City	Hudson	18.00	ft
	2600056110	MW-8A	12/06/99	12/21/99	Authorized	651	1	Jersey City	Hudson	12.00	ft
	2600056111	MW-8B	12/06/99	12/21/99	Authorized	651	1	Jersey City	Hudson	27.00	ft
	2600056112	MW-6A(MW9A)	12/06/99	12/21/99	Authorized	651	1	Jersey City	Hudson	12.00	ft
	2600056113	MW-6B(MW-9B)	12/06/99	12/21/99	Authorized	651	1	Jersey City	Hudson	26.00	ft
	2600056451	MW-8	01/24/00	02/14/00	Authorized	1252	F	Jersey City	Hudson	14.00	ft
	2600056452	MW-9	01/24/00	02/14/00	Authorized	1252	F	Jersey City	Hudson	15.00	ft
	2600057405	MW1	04/26/00	05/03/00	Decommissioned	1491	1.G4	Jersey City	Hudson	12.00	ft
	2600057466	MW-1	05/02/00	05/15/00	Decommissioned	3	23	Jersey City	Hudson	3.00	ft
	2600057467	MW-2	05/02/00	05/15/00	Authorized	3	23	Jersey City	Hudson	20.00	ft
	2600057469	MW-5	05/02/00	05/15/00	Authorized	3	23	Jersey City	Hudson	39.00	ft
	2600057470	MW-6	05/02/00	05/14/00	Authorized	3	23	Jersey City	Hudson	10.00	ft
	2600057472	MW-1	05/02/00	06/12/00	Authorized	1948	9.B	Jersey City	Hudson	18.00	ft
	2600057507	ML-7	05/03/00	07/06/00	Decommissioned	N/A	N/A	Jersey City	Hudson	10.00	ft
	2600057508	ML-3	05/03/00	06/28/00	Decommissioned	N/A	N/A	Jersey City	Hudson	10.00	ft
	2600057509	RG-70	05/03/00	07/25/00	Decommissioned	N/A	N/A	Jersey City	Hudson	10.00	ft
	2600057510	RH-20	05/03/00	07/12/00	Decommissioned	N/A	N/A	Jersey City	Hudson	10.00	ft
	2600057511	RG-35	05/03/00	06/30/00	Decommissioned	N/A	N/A	Jersey City	Hudson	12.00	ft
	2600057512	RG-45	05/03/00	07/25/00	Decommissioned	N/A	N/A	Jersey City	Hudson	10.00	ft
	2600057847	MW3R	06/09/00	06/19/00	Authorized	1507	35	Jersey City	Hudson	25.00	ft
	2600057848	MW7R	06/09/00	06/20/00	Authorized	1507	2R,2P,2U	Jersey City	Hudson	25.00	ft
	2600057849	MW5R	06/09/00	06/20/00	Authorized	1507	2W	Jersey City	Hudson	25.00	ft
	2600058112	MW2R	07/11/00	07/11/00	Authorized	1507	2W	Jersey City	Hudson	25.00	ft
	2600058114	MW10	07/11/00	07/11/00	Authorized	1507	2W	Jersey City	Hudson	25.00	ft
	2600058878	MW1	09/18/00	10/04/00	Authorized	60	1	Jersey City	Hudson	18.00	ft
	2600058879	MW2	09/18/00	10/04/00	Authorized	60	1	Jersey City	Hudson	18.00	ft

	2600058880	MW3	09/18/00	10/04/00	Authorized	60	1	Jersey City	Hudson	18.00	ft
	2600059150	MW4	10/10/00	10/11/00	Authorized	60	1	Jersey City	Hudson	18.00	ft
	2600059152	MW-1	10/10/00	10/24/00	Authorized	1619	A	Jersey City	Hudson	15.00	ft
	2600059277	MW-7	10/18/00	10/25/00	Authorized	23	3	Jersey City	Hudson	44.00	ft
	2600059279	MW-9	10/18/00	10/27/00	Authorized	23	3	Jersey City	Hudson	42.00	ft
	2600059281	MW-11	10/18/00	10/28/00	Authorized	23	3	Jersey City	Hudson	28.00	ft
	2600059282	MW-12	10/18/00	10/28/00	Authorized	23	3	Jersey City	Hudson	23.00	ft
	2600059663	MW-14	11/17/00	12/05/00	Authorized	23	3	Jersey City	Hudson	43.00	ft
	2600059791	MW1	11/27/00	11/30/00	Authorized	1497	2R	Jersey City	Hudson	15.00	ft
	2600059792	MW2	11/27/00	11/30/00	Authorized	1497	2R	Jersey City	Hudson	10.00	ft
	2600060001	MW1	12/27/00	01/02/01	Authorized	1507	12	Jersey City	Hudson	15.00	ft
	2600060002	MW2	12/27/00	01/02/01	Authorized	1507	12	Jersey City	Hudson	15.00	ft
	2600060003	MW3	12/27/00	01/02/01	Authorized	1507	12	Jersey City	Hudson	15.00	ft
	2600060342	MW2	02/06/01	02/16/01	Authorized	844.5	3	Jersey City	Hudson	17.00	ft
	2600060343	MW3	02/06/01	02/16/01	Authorized	844.5	3	Jersey City	Hudson	17.00	ft
	2600060957	BRW-4S	04/10/01	04/29/01	Authorized	20	2.42	Jersey City	Hudson	21.00	ft
	2600060988	MW1	04/12/01	05/07/01	Authorized	1497	3M1,3M2	Jersey City	Hudson	13.00	ft
	2600060989	MW1	04/12/01	05/08/01	Authorized	1497	3M1,3M2	Jersey City	Hudson	33.00	ft
	2600060990	MW2	04/12/01	05/08/01	Authorized	1497	3M1,3M2	Jersey City	Hudson	12.00	ft
	2600060991	MW3	04/12/01	05/08/01	Authorized	1497	3M1,3M2	Jersey City	Hudson	24.00	ft
	2600061221	MW9R	04/30/01	05/04/01	Authorized	1507	2R,2P,2U	Jersey City	Hudson	24.00	ft
	2600061285	MW-4	05/08/01	05/17/01	Authorized	1751	10R	Jersey City	Hudson	11.00	ft
	2600061289	MW-9	05/08/01	05/18/01	Authorized	1751	10R	Jersey City	Hudson	19.00	ft
	2600061954	MW9RR	07/11/01	07/17/01	Authorized	1507	30	Jersey City	Hudson	20.00	ft
	2600061955	MW6R	07/11/01	07/17/01	Authorized	1507	2W	Jersey City	Hudson	20.00	ft
	2600062032	MW6	07/17/01	08/02/01	Authorized	1497	3M2,3M1	Jersey City	Hudson	24.00	ft
	2600062033	MW7	07/17/01	08/02/01	Authorized	1497	3M2,3M1	Jersey City	Hudson	28.00	ft
	2600062034	MW9	07/17/01	09/17/01	Authorized	1497	3M2,3M1	Jersey City	Hudson	20.00	ft
	2600062175	MW-16BR	07/31/01	10/03/01	Decommissioned	20	7.01	Jersey City	Hudson	368.00	ft
	2600062354	MW-7	08/22/01	09/17/01	Decommissioned	799	153	Jersey City	Hudson	12.00	ft
	2600062355	MW-8	08/22/01	09/17/01	Authorized	799	153	Jersey City	Hudson	12.00	ft
	2600062518	MW13	09/07/01	09/18/01	Authorized	1497	3M1,3M2	Jersey City	Hudson	18.00	ft
	2600062650	MW36ST	09/25/01	12/05/01	Decommissioned	15	19	Jersey City	Hudson	50.00	ft
	2600062820	MW1	10/19/01	10/29/01	Decommissioned	130	147	Jersey City	Hudson	25.00	ft
	2600062910	MW-22	10/30/01	11/07/01	Authorized	60	29-A-6A-	Jersey City	Hudson	15.00	ft
	2600063262	MW11/INJW1	12/07/01	01/21/02	Authorized	2094	A&A1	Jersey City	Hudson		
	2600063265	MW-6	12/07/01	01/23/02	Authorized	2094	A&A1	Jersey City	Hudson	20.00	ft

	2600063267	MW-9	12/07/01	01/24/02	Authorized	2094	A&A1	Jersey City	Hudson	20.00	ft
	2600063648	MW-1	02/11/02		Authorized	106	A1	Jersey City	Hudson		
	2600063649	MW-2	02/11/02		Authorized	106	A1	Jersey City	Hudson		
	2600063650	MW-3	02/11/02		Authorized	106	A1	Jersey City	Hudson		
	2600063676	WP1-C4	02/14/02	03/06/02	Authorized	2094	A & A1	Jersey City	Hudson	15.00	ft
	2600063678	WP5-C2	02/14/02	03/06/02	Authorized	2094	A & A1	Jersey City	Hudson	15.00	ft
	2600063679	WP4-C1	02/14/02	03/06/02	Authorized	2094	A & A1	Jersey City	Hudson	15.00	ft
	2600063680	WP6-C6	02/14/02	03/06/02	Authorized	2094	A & A1	Jersey City	Hudson	17.00	ft
	2600063788	MW15	03/05/02	04/29/02	Authorized	1497	3M1,3M2	Jersey City	Hudson	23.00	ft
	2600064890	MWX2	06/10/02	06/19/02	Authorized	1497	3M1,3M2	Jersey City	Hudson	23.00	ft
	2600064891	MWX3	06/10/02	06/20/02	Authorized	1497	3M1,3M2	Jersey City	Hudson	25.00	ft
	2600064893	MWX5	06/10/02	06/21/02	Authorized	1497	3M1,3M2	Jersey City	Hudson	20.00	ft
	2600065197	R-33 (W-4)	07/16/02	10/18/02	Authorized			Jersey City	Hudson	35.00	ft
	2600065198	R-53 (W-5)	07/16/02	10/15/02	Authorized			Jersey City	Hudson	15.00	ft
	2600065199	R-49 (W-6)	07/16/02	10/04/02	Authorized			Jersey City	Hudson	15.00	ft
	2600065200	R-58 (W-7)	07/16/02	10/08/02	Authorized			Jersey City	Hudson	20.00	ft
	2600065578	MW-19S	09/03/02	09/12/02	Authorized	2022	86-91	Jersey City	Hudson	10.00	ft
	2600065662	AMW1	09/10/02	10/08/02	Authorized	2094	A & A1	Jersey City	Hudson	20.00	ft
	2600066083	MW4A	11/04/02	11/26/02	Authorized	844.5	3	Jersey City	Hudson	18.00	ft
	2600066084	MW1A	11/04/02	11/26/02	Authorized	844.5	3	Jersey City	Hudson	17.50	ft
	2600066478	115-MW04	12/27/02	02/11/03	Authorized	1290.A	14.J	Jersey City	Hudson	45.00	ft
	2600066941	MW2	02/11/03	05/04/03	Decommissioned	130	147	Jersey City	Hudson	18.00	ft
	2600066942	MW3	02/11/03	05/08/03	Decommissioned	130	147	Jersey City	Hudson	50.00	ft
	2600067226	115 MW04R	03/12/03	03/13/03	Authorized	1290.A	14.J	Jersey City	Hudson	89.00	ft
	2600067524	MW-1	04/07/03	04/23/03	Authorized	1750	33.A	Jersey City	Hudson	10.00	ft
	2600067796	MW10	05/05/03	06/06/03	Authorized	800	171	Jersey City	Hudson	12.00	ft
	2600067894		05/15/03		Authorized	1290.A	33	Jersey City	Hudson		
	2600068093	M-2W	05/31/03	06/06/03	Authorized	NA	NA	Jersey City	Hudson	15.00	ft
	2600068094	M-3W	05/31/03	06/06/03	Authorized	NA	NA	Jersey City	Hudson	15.00	ft
	2600068095	M-4W	05/31/03	06/06/03	Authorized	NA	NA	Jersey City	Hudson	15.00	ft
	2600068148	MW-1	06/06/03	10/10/03	Authorized	752	G	Jersey City	Hudson	36.50	ft
	2600068149	MW-2	06/06/03	10/16/04	Authorized	752	G	Jersey City	Hudson	36.00	ft
	2600068150	MW-3	06/06/03	10/17/03	Authorized	752	G	Jersey City	Hudson	33.50	ft
	2600068174	MW-28 BR -D2	06/09/03	04/05/04	Authorized	20	1.01	Jersey City	Hudson	200.00	ft
	2600068175	MW-18BR-R	06/09/03	07/23/03	Authorized	20	2.42	Jersey City	Hudson	100.00	ft
	2600068176	MW-15 BR - D2	06/09/03	04/13/04	Authorized	20	5.01	Jersey City	Hudson	260.00	ft
	2600068185	MW29STR	06/11/03	11/04/03	Authorized	20	2.42	Jersey City	Hudson	65.00	ft

	2600068186		06/11/03		Authorized	20	2.42	Jersey City	Hudson		
	2600068187	MW29S-R	06/11/03	11/03/03	Authorized	20	2.42	Jersey City	Hudson	16.00	ft
	2600068188		06/11/03		Authorized	20	2.42	Jersey City	Hudson		
	2600068189		06/11/03		Authorized	20	2.42	Jersey City	Hudson		
	2600068190	RSSB-1	06/11/03	09/12/03	Authorized	20	2.43	Jersey City	Hudson	77.00	ft
	2600068191	RSSB-2	06/11/03	09/03/03	Authorized	20	2.23,2.43	Jersey City	Hudson	115.00	ft
	2600068192	RSSB-3	06/11/03	08/14/03	Authorized	20	2.23,2.43	Jersey City	Hudson	127.00	ft
	2600068209	MW-2	06/13/03	07/01/03	Authorized	1286	5C	Jersey City	Hudson	20.00	ft
	2600068210	MW-3	06/13/03	07/02/03	Authorized	1286	5C	Jersey City	Hudson	19.50	ft
	2600068211	MW-4	06/13/03	07/02/03	Authorized	1286	5C	Jersey City	Hudson	20.00	ft
	2600068212	MW-1	06/13/03	07/01/03	Authorized	1286	5C	Jersey City	Hudson	24.50	ft
	2600068224	MW5	06/18/03	06/23/03	Authorized	1491	1.G4	Jersey City	Hudson	15.00	ft
	2600068263	MW8	06/23/03	07/03/03	Authorized	1751	10R	Jersey City	Hudson	11.00	ft
	2600068335	MW-1	06/30/03	07/25/03	Authorized	1702.A	1A	Jersey City	Hudson	16.25	ft
	2600068339	MW5	06/30/03	07/23/03	Authorized	2020	3	Jersey City	Hudson	13.00	ft
	2600068395	MW1	07/09/03	07/17/03	Decommissioned	1833	2B	Jersey City	Hudson	23.00	ft
	2600068520	MW BOR - 2	07/21/03	06/02/04	Authorized	2094	A & A1	Jersey City	Hudson	20.00	ft
	2600068577		07/24/03		Authorized	257	13A	Jersey City	Hudson		
	2600068578		07/24/03		Authorized	257	13A	Jersey City	Hudson		
	2600068579		07/24/03		Authorized	257	13A	Jersey City	Hudson		
	2600068628	MW 6	07/29/03	10/20/03	Authorized	340	22A	Jersey City	Hudson	10.00	ft
	2600068629	MW 7	07/29/03	10/20/03	Authorized	340	22A	Jersey City	Hudson	12.00	ft
	2600068630	MW 8	07/29/03	10/20/03	Authorized	340	22A	Jersey City	Hudson	12.00	ft
	2600068631	MW 9	07/29/03	10/20/03	Authorized	340	22A	Jersey City	Hudson	12.00	ft
	2600068656	MW-1S	08/04/03	08/06/03	Authorized	2026.1	2,4,5	Jersey City	Hudson	12.00	ft
	2600068657	MW-2S	08/04/03	08/06/03	Authorized	2026.1	2,4,5	Jersey City	Hudson	12.00	ft
	2600068658	MW-3S	08/04/03	08/14/03	Authorized	2026.1	2,4,5	Jersey City	Hudson	12.00	ft
	2600068659	MW-4S	08/04/03	08/13/03	Authorized	2026.1	2,4,5	Jersey City	Hudson	12.00	ft
	2600068660	MW-5S	08/04/03	08/22/03	Authorized	2026.1	2,4,5	Jersey City	Hudson	12.00	ft
	2600068661	MW-6S	08/04/03	08/13/03	Authorized	2026.1	2,4,5	Jersey City	Hudson	15.00	ft
	2600068662	MW-1D	08/04/03	08/11/03	Authorized	2026.1	2,4,5	Jersey City	Hudson	44.00	ft
	2600068663	MW-2D	08/04/03	08/12/03	Authorized	2026.1	2,4,5	Jersey City	Hudson	43.00	ft
	2600068664	MW-3D	08/04/03	08/22/03	Authorized	2026.1	2,4,5	Jersey City	Hudson	56.00	ft
	2600068665	MW-4D	08/04/03	08/22/03	Authorized	2026.1	2,4,5	Jersey City	Hudson	48.00	ft
	2600068666	MW-5D	08/04/03	08/15/03	Authorized	2026.1	2,4,5	Jersey City	Hudson	71.00	ft
	2600068667	MW-6D	08/04/03	08/25/03	Authorized	2026.1	2,4,5	Jersey City	Hudson	50.00	ft
	2600068672		08/04/03		Authorized	302	7-8	Jersey City	Hudson		

	2600068673		08/04/03		Authorized	302	7-8	Jersey City	Hudson		
	2600068831		08/08/03		Authorized	1930	M1	Jersey City	Hudson		
	2600068953	MWD-1	08/22/03	09/19/03	Authorized	738	58	Jersey City	Hudson	17.00	ft
	2600068954	MWTS-2	08/22/03	09/18/03	Authorized	738	58	Jersey City	Hudson	6.00	ft
	2600069015	MW5D (MW7D)	09/03/03	09/18/03	Authorized	402	A2 & D2	Jersey City	Hudson	101.00	ft
	2600069016	mw-8	09/03/03	09/18/03	Authorized	402	A2 & D2	Jersey City	Hudson	17.00	ft
	2600069057	MW1	09/05/03	10/14/03	Authorized	1798	47A	Jersey City	Hudson	15.00	ft
	2600069058	MW -34 BR	09/05/03	04/08/04	Authorized	15	D1	Jersey City	Hudson	155.00	ft
	2600069059	MW - 55BR	09/05/03	04/07/04	Authorized	15	D1	Jersey City	Hudson	200.00	ft
	2600069060	RSSB-8	09/05/03	09/18/03	Authorized	20	2.43	Jersey City	Hudson	92.00	ft
	2600069248	1I	09/25/03	09/29/03	Authorized	1507	12	Jersey City	Hudson	12.50	ft
	2600069249	2I	09/25/03	09/26/03	Authorized	1507	12	Jersey City	Hudson	16.50	ft
	2600069250	2-ES	09/25/03	09/25/03	Authorized	1507	12	Jersey City	Hudson	12.00	ft
	2600069251	2-ED	09/25/03	09/29/03	Authorized	1507	12	Jersey City	Hudson	31.00	ft
	2600069252	2-ED	09/25/03	09/29/03	Authorized	1500	15	Jersey City	Hudson	39.00	ft
	2600069253	P-1	09/25/03	09/30/03	Authorized	1507	12	Jersey City	Hudson	12.00	ft
	2600069254	P-2	09/25/03	09/30/02	Authorized	1507	12	Jersey City	Hudson	12.00	ft
	2600069255		09/25/03		Authorized	1407	4L	Jersey City	Hudson		
	2600069258	1-ES	09/25/03	09/28/03	Authorized	1500	15	Jersey City	Hudson	14.00	ft
	2600069259	EN-MW-2R	09/25/03	10/02/03	Authorized	1494	1D	Jersey City	Hudson	14.00	ft
	2600069260	EN-MW-7R	09/25/03	09/30/03	Authorized	1494	1D	Jersey City	Hudson	15.00	ft
	2600069261	EN-MW-11D	09/25/03	10/02/03	Authorized	1494	1D	Jersey City	Hudson	38.00	ft
	2600069262	EN-MW-14	09/25/03	09/30/03	Authorized	1494	1D	Jersey City	Hudson	14.00	ft
	2600069263	EN-MW-15	09/25/03	09/30/03	Authorized	1494	1D	Jersey City	Hudson	14.00	ft
	2600069270	MW-R1	09/25/03	10/09/03	Authorized	1605	66	Jersey City	Hudson	18.00	ft
	2600069271	MW-R2	09/25/03	10/09/03	Authorized	1605	66	Jersey City	Hudson	18.00	ft
	2600069337	RSSB-6	09/29/03	10/30/03	Authorized	20	2.23 & 2.43	Jersey City	Hudson	143.00	ft
	2600069338	RSSB-7	09/29/03	10/23/03	Authorized	20	2.23 & 2.43	Jersey City	Hudson	73.00	ft
	2600069354	MW-1	09/30/03	10/07/03	Authorized	127.5	A	Jersey City	Hudson	20.00	ft
	2600069439	MW-1	10/10/03	10/27/03	Authorized	214	3	Jersey City	Hudson	23.50	ft
	2600069441	MW 1	10/10/03	10/18/03	Authorized	2154.2	3C	Jersey City	Hudson	14.00	ft
	2600069535	MW 1	10/20/03	11/24/03	Authorized	19.30	M.1	Jersey City	Hudson	7.00	ft
	2600069552	MW1	10/22/03	12/06/03	Authorized	1751	10N,10R	Jersey City	Hudson	20.00	ft
	2600069553	MW2	10/22/03	12/06/03	Authorized	1751	10N,10R	Jersey City	Hudson	20.00	ft
	2600069554	MW3	10/22/03	12/06/03	Authorized	1751	10N,10R	Jersey City	Hudson	20.00	ft
	2600069559	MW-8	10/23/03	11/19/03	Authorized	1806	34,35	Jersey City	Hudson	11.00	ft
	2600069560	MW-9	10/23/03	11/19/03	Authorized	1806	34,35	Jersey City	Hudson	6.00	ft

	2600069653	MW-06	11/03/03	11/25/03	Authorized	N/A	N/A	Jersey City	Hudson	11.00	ft
	2600069716		11/05/03		Authorized	1290.1	14J, H	Jersey City	Hudson		
	2600069717	115-MW-202BR	11/05/03		Authorized	1290.1	14J, H	Jersey City	Hudson		
	2600069718		11/05/03		Authorized	1290.1	14J, H	Jersey City	Hudson		
	2600069719	115-MW-205BR	11/05/03		Authorized	1290.1	14J, H	Jersey City	Hudson		
	2600069720		11/05/03		Authorized	1290.1	14J, H	Jersey City	Hudson		
	2600069721	115-mw-207br	11/05/03		Authorized	1290.1	14J, H	Jersey City	Hudson		
	2600069722		11/05/03		Authorized	1290.1	14J, H	Jersey City	Hudson		
	2600069723	115-mw-209br	11/05/03		Authorized	1290.1	14J, H	Jersey City	Hudson		
	2600069733	MW-01	11/06/03	12/05/03	Authorized	2154	66, 1.C	Jersey City	Hudson	12.00	ft
	2600069734	MW-02	11/06/03	12/05/03	Authorized	2154	66, 1.C	Jersey City	Hudson	12.00	ft
	2600069735	MW-03	11/06/03	12/05/03	Authorized	2154	66, 1.C	Jersey City	Hudson	12.00	ft
	2600069736	MW-04	11/06/03	12/05/03	Authorized	2154	66, 1.C	Jersey City	Hudson	12.00	ft
	2600069756	PP6-1A	11/07/03	11/18/03	Authorized	2026.1	2A	Jersey City	Hudson	10.00	ft
	2600069757	PP6-4A	11/07/03	11/18/03	Authorized	2026.1	2A	Jersey City	Hudson	14.00	ft
	2600069758	PP6-5A	11/07/03	11/13/03	Authorized	2026.1	2A	Jersey City	Hudson	16.00	ft
	2600069759	PP6-7A	11/07/03	11/12/03	Authorized	2026.1	2A	Jersey City	Hudson	17.00	ft
	2600069760	PP6-1B	11/07/03	11/18/03	Authorized	2026.1	2A	Jersey City	Hudson	29.00	ft
	2600069761	PP6-4B	11/07/03	11/18/03	Authorized	2026.1	2A	Jersey City	Hudson	38.00	ft
	2600069762	PP6 - 5B	11/07/03	12/01/03	Authorized	2026.1	2A	Jersey City	Hudson	41.00	ft
	2600069763	PP6-7B	11/07/03	11/25/03	Authorized	2026.1	2A	Jersey City	Hudson	33.00	ft
	2600069764	PP6-8B	11/07/03	12/04/03	Authorized	2026.1	3b	Jersey City	Hudson	45.00	ft
	2600069765	PP6-2A	11/07/03	11/18/03	Authorized	2026.1	1	Jersey City	Hudson	10.00	ft
	2600069766	PP6-3A	11/07/03	11/17/03	Authorized	2026.1	1	Jersey City	Hudson	8.00	ft
	2600069767	PP6-6A	11/07/03	11/12/03	Authorized	2026.1	1	Jersey City	Hudson	15.00	ft
	2600069768	PP6-8A	11/07/03	11/14/03	Authorized	2026.1	3B	Jersey City	Hudson	17.00	ft
	2600069769	PPG - 2B	11/07/03	11/25/03	Authorized	2026.1	1	Jersey City	Hudson	26.00	ft
	2600069774		11/07/03		Authorized	13B	1888	Jersey City	Hudson		
	2600069775	PP6-3B	11/07/03	11/20/03	Authorized	2026.1	1	Jersey City	Hudson	42.00	ft
	2600069776	PP6-6B	11/07/03	11/20/03	Authorized	2026.1	1	Jersey City	Hudson	31.00	ft
	2600069815	1	11/18/03	12/12/03	Authorized	1294	5	Jersey City	Hudson	15.00	ft
	2600069816	2	11/18/03	12/12/03	Authorized	1294	5	Jersey City	Hudson	15.00	ft
	2600069831		11/19/03		Authorized	1348	1	Jersey City	Hudson		
	2600069832		11/19/03		Authorized	1348	1	Jersey City	Hudson		
	2600069833		11/19/03		Authorized	1348	1	Jersey City	Hudson		
	2600069886	MW1	11/25/03	01/10/04	Authorized	70	C2 & 31	Jersey City	Hudson	18.00	ft
	2600069887	MW2	11/25/03	01/10/04	Authorized	70	C2 & 31	Jersey City	Hudson	18.00	ft

	2600069888	MW3	11/25/03	01/10/04	Authorized	70	C2 & 31	Jersey City	Hudson	18.00	ft
	2600069898	MW143	12/02/03	01/14/04	Authorized	1702.1	1	Jersey City	Hudson	22.00	ft
	2600070030	MW 11	12/29/03	01/09/04	Authorized	1507	31	Jersey City	Hudson	20.00	ft
	2600070042	115-mw-210br	12/29/03	07/12/04	Authorized	1290.1	14J,H	Jersey City	Hudson	129.50	ft
	2600070043	mw-211	12/29/03	07/12/04	Authorized	1290.1	14J,H	Jersey City	Hudson	124.00	ft
	2600070044	115-mw-212br	12/29/03	07/12/04	Authorized	1290.1	14J,H	Jersey City	Hudson	130.00	ft
	2600070045	115-mw-213br	12/29/03	07/14/04	Authorized	1290.1	14J,H	Jersey City	Hudson	139.00	ft
	2600070046	115-mw-214br	12/29/03	07/14/04	Authorized	1290.1	14J,H	Jersey City	Hudson	148.00	ft
	2600070047	mw-215	12/29/03	07/15/04	Authorized	1290.1	14J,H	Jersey City	Hudson	143.00	ft
	2600070048	mw-216	12/29/03	07/16/04	Authorized	1290.1	14J,H	Jersey City	Hudson	131.50	ft
	2600070049	MW-17	12/29/03	06/11/04	Authorized	1290.1	14J,H	Jersey City	Hudson	62.00	ft
	2600070050	115 - MW-19	12/29/03	06/11/04	Authorized	1290.1	14J,H	Jersey City	Hudson	84.00	ft
	2600070051	MW-20	12/29/03	06/11/04	Authorized	1290.1	14J,H	Jersey City	Hudson	40.20	ft
	2600070085	MW-1A	01/12/04	01/21/04	Authorized	1286	5C	Jersey City	Hudson	18.00	ft
	2600070137	MW 1R	01/21/04	02/03/04	Authorized	165	1A	Jersey City	Hudson	12.00	ft
	2600070138	MW 2R	01/21/04	02/03/04	Authorized	165	1,A,47	Jersey City	Hudson	12.00	ft
	2600070139	MW 3R	01/21/04	02/02/04	Authorized	165	1A	Jersey City	Hudson	12.00	ft
	2600070140	MW 5R	01/21/04	02/02/04	Authorized	165	1A	Jersey City	Hudson	12.00	ft
	2600070141	MW 5	01/21/04	03/04/04	Authorized	165	1,A,47	Jersey City	Hudson	12.00	ft
	2600070191	MW 1	02/03/04	03/10/04	Authorized	2057	18	Jersey City	Hudson	17.00	ft
	2600070192	MW 2	02/03/04	03/10/04	Authorized	2057	18	Jersey City	Hudson	17.00	ft
	2600070193	MW 3	02/03/04	03/10/04	Decommissioned	2057	18	Jersey City	Hudson	13.00	ft
	2600070194	MW 4	02/03/04	03/10/04	Authorized	2057	18	Jersey City	Hudson	17.00	ft
	2600070195	MW 5	02/03/04	05/04/04	Authorized	2057	18	Jersey City	Hudson	12.00	ft
	2600070293	W6	02/11/04	04/05/04	Authorized	1497	3M2	Jersey City	Hudson	18.00	ft
	2600070580	HCM 5	02/24/04	03/12/04	Authorized	1500	21.01	Jersey City	Hudson	12.00	ft
	2600070670		03/01/04		Authorized	1286	3	Jersey City	Hudson		
	2600070671		03/01/04		Authorized	1286	2	Jersey City	Hudson		
	2600070672	11SPW21 (AKA 087-MW37)	03/01/04	06/11/04	Authorized	1290.1	1	Jersey City	Hudson	71.00	ft
	2600070673		03/01/04		Authorized	9.02	4	Jersey City	Hudson		
	2600070810	MW-34	03/12/04	06/12/04	Authorized	9.02	7	Jersey City	Hudson	70.00	ft
	2600070830	MW 20	03/16/04	03/30/04	Authorized	1497	3M2	Jersey City	Hudson	26.00	ft
	2600070831	MW 21	03/16/04	03/30/04	Authorized	1497	3M2	Jersey City	Hudson	26.00	ft
	2600070832	MW 22	03/16/04	03/30/04	Authorized	1497	3M2	Jersey City	Hudson	26.00	ft
	2600070833	MW 23	03/16/04	03/30/04	Authorized	1497	3M2	Jersey City	Hudson	26.00	ft
	2600070834	MW 2	03/16/04	04/07/04	Authorized	1272	10	Jersey City	Hudson	10.00	ft
	2600070838	HCM 6	03/16/04	03/17/04	Authorized	1500	21.01	Jersey City	Hudson	14.00	ft

	2600070839	SWP - 5	03/16/04	03/17/04	Authorized	1500	21.01	Jersey City	Hudson	15.00	ft
	2600070882	MW 15BR -D2-140	03/24/04	04/14/04	Authorized	20	5.01	Jersey City	Hudson	140.00	ft
	2600070897	MW-7	03/30/04	04/09/04	Authorized	1491	101	Jersey City	Hudson	16.00	ft
	2600070903	MW-8	03/31/04	04/09/04	Authorized	1492	5	Jersey City	Hudson	13.00	ft
	2600070936		04/05/04		Authorized	613.1	1	Jersey City	Hudson		
	2600070937	MW - 9	04/05/04	04/08/04	Authorized	613.1	1	Jersey City	Hudson	30.00	ft
	2600070938		04/05/04		Authorized	637	1	Jersey City	Hudson		
	2600070939		04/05/04		Authorized	637	1	Jersey City	Hudson		
	2600070970	MW - 1	04/08/04	04/27/04	Authorized	222	16C	Jersey City	Hudson	16.00	ft
	2600070971	MW - 2	04/08/04	04/27/04	Authorized	222	16C	Jersey City	Hudson	16.00	ft
	2600070972	MW - 3	04/08/04	04/27/04	Authorized	222	16C	Jersey City	Hudson	16.00	ft
	2600070994		04/14/04		Authorized	601	1	Jersey City	Hudson		
	2600070995	MW - 13	04/14/04	04/28/04	Authorized	4C	652	Jersey City	Hudson	12.00	ft
	2600070996	MW - 14	04/14/04	04/28/04	Authorized	4C	652	Jersey City	Hudson	12.00	ft
	2600071009	MW-11	04/14/04	04/29/04	Authorized	800	171	Jersey City	Hudson	15.00	ft
	2600071065	MW 4	04/27/04	05/01/04	Authorized	70	68	Jersey City	Hudson	15.50	ft
	2600071202		05/17/04		Authorized	1290.1	2D	Jersey City	Hudson		
	2600071237	MW-7	05/18/04	06/18/04	Authorized	225	A4	Jersey City	Hudson	20.00	ft
	2600071261	MW 13	05/21/04	06/10/04	Authorized	1507	24	Jersey City	Hudson	25.00	ft
	2600071262	MW 3R (MW3RR)	05/21/04	06/19/04	Authorized	1507	35	Jersey City	Hudson	18.00	ft
	2600071263	MW 4R	05/21/04	06/10/04	Authorized	1507	35	Jersey City	Hudson	18.00	ft
	2600071264	MW 7RR	05/21/04	06/09/04	Authorized	1507	35	Jersey City	Hudson	24.00	ft
	2600071265	MW 12	05/21/04	06/09/04	Authorized	1507	35	Jersey City	Hudson	20.00	ft
	2600071273	MW-1	05/25/04	06/07/04	Authorized	20	3.06	Jersey City	Hudson	19.00	ft
	2600071292		05/26/04		Authorized	165	3	Jersey City	Hudson		
	2600071293		05/26/04		Authorized	165	3	Jersey City	Hudson		
	2600071294		05/26/04		Authorized	165	3	Jersey City	Hudson		
	2600071341	MW1	06/01/04	07/09/04	Authorized	1702.1	1	Jersey City	Hudson	8.00	ft
	2600071342	MW2	06/01/04	07/08/04	Authorized	1702.1	1	Jersey City	Hudson	10.00	ft
	2600071343	MW3	06/01/04	07/09/04	Authorized	1702.1	1	Jersey City	Hudson	8.00	ft
	2600071430	MW-RA	06/11/04	06/21/04	Authorized	165	1	Jersey City	Hudson	12.00	ft
	2600071431	MW-1	06/11/04	06/17/04	Authorized	165	1	Jersey City	Hudson	15.00	ft
	2600071432	MW-2	06/11/04	06/17/04	Authorized	165	1	Jersey City	Hudson	15.00	ft
	2600071433	MW-3	06/11/04	06/17/04	Authorized	165	1	Jersey City	Hudson	15.00	ft
	2600071465	MW - 1	06/17/04	07/16/04	Authorized	869	170	Jersey City	Hudson	12.00	ft
	2600071483	MW6	06/18/04	06/30/04	Authorized	2057	18	Jersey City	Hudson	17.00	ft

	2600071484	MW7	06/18/04	06/30/04	Authorized	2057	18	Jersey City	Hudson	15.00	ft
	2600071494	MW-1	06/22/04	06/28/04	Authorized	1833	2-b	Jersey City	Hudson	16.00	ft
	2600071500		06/22/04		Authorized	1751	1ON	Jersey City	Hudson		
	2600071501		06/22/04		Authorized	1290A	11W	Jersey City	Hudson		
	2600071531	MW-1R	06/28/04	07/09/04	Authorized	135	95.A	Jersey City	Hudson	12.00	ft
	2600071543	MW-1	06/29/04	07/08/04	Authorized	1250	A	Jersey City	Hudson	19.00	ft
	2600071544	MW-2	06/29/04	07/08/04	Authorized	1250	A	Jersey City	Hudson	19.00	ft
	2600071545	MW-3	06/29/04	07/08/04	Authorized	1250	A	Jersey City	Hudson	19.00	ft
	2600071704	MW9RRR	07/15/04	07/26/04	Authorized	1507	30	Jersey City	Hudson	19.00	ft
	2600071705		07/15/04		Authorized	1975	25	Jersey City	Hudson		
	2600071734		07/20/04		Authorized	1975	25	Jersey City	Hudson		
	2600071754	MW-1-B.38	07/22/04	07/29/04	Authorized	1361	1 TO 24	Jersey City	Hudson	20.00	ft
	2600071755	MW-2-B.35	07/22/04	07/30/04	Authorized	1361	1 TO 24	Jersey City	Hudson	20.00	ft
	2600071756	MW-3-B13	07/22/04	07/30/04	Authorized	1361	1 TO 24	Jersey City	Hudson	20.00	ft
	2600071757	MW-4-B-1	07/22/04	07/30/04	Decommissioned	1361	1 TO 24	Jersey City	Hudson	20.00	ft
	2600071758	MW-5-B-8	07/22/04	08/02/04	Decommissioned	1361	1 TO 24	Jersey City	Hudson	20.00	ft
	2600071865		08/02/04		Authorized	222	R	Jersey City	Hudson		
	2600071868	MW-1	08/02/04	10/11/04	Authorized	33	13	Jersey City	Hudson	23.00	ft
	2600071869	MW-2	08/02/04	10/11/04	Authorized	33	13	Jersey City	Hudson	23.00	ft
	2600071870	MW-3	08/02/04	10/11/04	Authorized	33	13	Jersey City	Hudson	23.00	ft
	2600071871		08/02/04		Authorized	33	13	Jersey City	Hudson		
	2600071937		08/05/04		Authorized	1286	6D	Jersey City	Hudson		
	2600071964	MW7	08/09/04	12/14/04	Authorized	ROW	ROW	Jersey City	Hudson	15.00	ft
	2600071965	MW8	08/09/04	12/14/04	Authorized	ROW	ROW	Jersey City	Hudson	15.00	ft
	2600072001		08/17/04		Authorized	2093	39	Jersey City	Hudson		
	2600072002	MW17	08/17/04	09/15/04	Authorized	2094	A & A1	Jersey City	Hudson	20.00	ft
	2600072003	MW15	08/17/04	09/13/04	Authorized	2094	A & A1	Jersey City	Hudson	45.00	ft
	2600072004	MW16	08/17/04	09/17/04	Authorized	2094	A & A1	Jersey City	Hudson	20.00	ft
	2600072014		08/17/04		Authorized	2145	55, A, B, C	Jersey City	Hudson		
	2600072015		08/17/04		Authorized	2145	55, A, B, C	Jersey City	Hudson		
	2600072017		08/17/04		Authorized	294.5	PL-A	Jersey City	Hudson		
	2600072018		08/17/04		Authorized	294.5	PL-A	Jersey City	Hudson		
	2600072019		08/17/04		Authorized	294.5	PL-A	Jersey City	Hudson		
	2600072020		08/17/04		Authorized	294.5	PL-A	Jersey City	Hudson		
	2600072021		08/17/04		Authorized	294.5	PL-A	Jersey City	Hudson		
	2600072022		08/17/04		Authorized	294.5	PL-A	Jersey City	Hudson		
	2600072032	MW-2	08/18/04	12/02/04	Authorized	1887	A & S	Jersey City	Hudson	15.00	ft

	2600072033	MW-3	08/18/04	12/02/04	Authorized	1887	A & S	Jersey City	Hudson	20.00	ft
	2600072034	MW-4	08/18/04	12/02/04	Authorized	1887	A & S	Jersey City	Hudson	15.00	ft
	2600072035		08/18/04		Authorized	1887	A	Jersey City	Hudson		
	2600072322	MW-1	09/10/04	09/21/04	Authorized	2058	1PL	Jersey City	Hudson	17.00	ft
	2600072323	MW-2	09/10/04	09/21/04	Authorized	2058	1PL	Jersey City	Hudson	17.00	ft
	2600072324	MW-3	09/10/04	09/21/04	Authorized	2058	1PL	Jersey City	Hudson	17.00	ft
	2600072328	MW 5	09/10/04	10/05/04	Authorized	G	751	Jersey City	Hudson	120.00	ft
	2600072329	MW 4	09/10/04	10/05/04	Authorized	G	751	Jersey City	Hudson	95.00	ft
	2600072330	MW 6	09/10/04	10/05/04	Authorized	G	751	Jersey City	Hudson	100.00	ft
	2600072341	MW - 1	09/14/04	09/29/04	Authorized	944	21A	Jersey City	Hudson	15.00	ft
	2600072410		09/21/04		Authorized	1285.5	1	Jersey City	Hudson		
	2600072435	MW-19	09/24/04	09/28/04	Authorized	2094	A & A1	Jersey City	Hudson	45.00	ft
	2600072439	MW2	09/24/04	10/13/04	Authorized	1702A	1A	Jersey City	Hudson	18.00	ft
	2600072440	MWJ	09/24/04	10/13/04	Authorized	1702A	1A	Jersey City	Hudson	18.00	ft
	2600072508	7S	09/29/04	10/08/04	Authorized	2094	A	Jersey City	Hudson	20.00	ft
	2600072600	MW-3	10/13/04	12/01/04	Decommissioned	1833	2B	Jersey City	Hudson	25.00	ft
	2600072601	MW2	10/13/04	12/02/04	Decommissioned	1833	2B	Jersey City	Hudson	25.00	ft
	2600072610	VP-1	10/13/04	11/04/04	Authorized	286	11	Jersey City	Hudson	16.00	ft
	2600072611	VP-2	10/13/04	11/04/04	Authorized	286	11	Jersey City	Hudson	16.00	ft
	2600072645	MW - 3R	10/15/04	11/02/04	Authorized	800	1-8	Jersey City	Hudson	17.00	ft
	2600072646	EW - 2	10/15/04	11/02/04	Authorized	800	1-8	Jersey City	Hudson	15.00	ft
	2600072647	EW - 3	10/15/04	11/02/04	Authorized	800	1-8	Jersey City	Hudson	15.00	ft
	2600072648	MW - 6R	10/15/04	11/02/04	Authorized	800	1-8	Jersey City	Hudson	15.00	ft
	2600072649	EW - 1	10/15/04	11/03/04	Authorized	800	1-8	Jersey City	Hudson	15.00	ft
	2600072650	MW - 2R	10/15/04	11/03/04	Authorized	800	1-8	Jersey City	Hudson	15.00	ft
	2600072651	EW - 4	10/15/04	11/01/04	Authorized	800	1-8	Jersey City	Hudson	15.00	ft
	2600072701		10/21/04		Authorized	1288.1	29.01	Jersey City	Hudson		
	2600072733	MW7	10/26/04	08/31/05	Authorized	752	6	Jersey City	Hudson	240.00	ft
	2600072734		10/26/04		Authorized	752	6	Jersey City	Hudson		
	2600072768	MW1	10/27/04	11/03/04	Authorized	606.1	3	Jersey City	Hudson	15.00	ft
	2600072769	MW2	10/27/04	11/03/04	Authorized	606.1	3	Jersey City	Hudson	12.00	ft
	2600072770	MW3	10/27/04	11/03/04	Authorized	606.1	3	Jersey City	Hudson	15.00	ft
	2600072773	204MW1	10/28/04	11/05/04	Authorized	1500	25	Jersey City	Hudson	12.00	ft
	2600072774	204MW2	10/28/04	11/05/04	Authorized	1500	25	Jersey City	Hudson	12.00	ft
	2600072775	204 MW3	10/28/04	11/05/04	Decommissioned	1500	25	Jersey City	Hudson	14.00	ft
	2600072776	MW1D	10/29/04	11/30/04	Authorized	165	1	Jersey City	Hudson	20.00	ft
	2600072898	MW1	11/10/04	11/13/04	Authorized	2115	7-22	Jersey City	Hudson	25.00	ft

	2600072899	MW2	11/10/04	11/13/04	Authorized	2115	7-22	Jersey City	Hudson	24.00	ft
	2600072900	MW3	11/10/04	11/13/04	Authorized	2115	7-22	Jersey City	Hudson	24.00	ft
	2600072901	MW4	11/10/04	11/13/04	Authorized	2115	7-22	Jersey City	Hudson	24.00	ft
	2600072944	MW-1	11/16/04	02/15/05	Authorized	1878	4B	Jersey City	Hudson	5.00	ft
	2600072954		11/17/04		Authorized	ROW	ROW	Jersey City	Hudson		
	2600072955	MW-10	11/17/04	12/06/04	Authorized	ROW	ROW	Jersey City	Hudson	8.00	ft
	2600073011	MW3	11/22/04	12/01/04	Authorized	1852	58	Jersey City	Hudson	20.00	ft
	2600073012	MW2	11/22/04	12/01/04	Authorized	1852	58	Jersey City	Hudson	20.00	ft
	2600073013	MW1	11/22/04	12/01/04	Authorized	1852	58	Jersey City	Hudson	20.00	ft
	2600073099		11/30/04		Authorized	1285.5	1	Jersey City	Hudson		
	2600073219	MW1	12/09/04	01/03/05	Authorized	1426	1	Jersey City	Hudson	15.00	ft
	2600073222	MW-3	12/09/04	01/03/05	Authorized	1426	14A	Jersey City	Hudson	15.00	ft
	2600073223	MW-2	12/09/04	01/03/05	Authorized	1426	1	Jersey City	Hudson	15.00	ft
	2600073237	MW-1	12/10/04	01/17/05	Authorized	1603	37-59	Jersey City	Hudson	13.00	ft
	2600073238	MW-2	12/10/04	01/17/05	Authorized	1603	37-59	Jersey City	Hudson	13.00	ft
	2600073239	MW-3	12/10/04	01/18/05	Authorized	1603	37-59	Jersey City	Hudson	18.00	ft
	2600073240	MW-4	12/10/04	01/18/05	Authorized	1603	37-59	Jersey City	Hudson	18.00	ft
	2600073241	MW-5	12/10/04	01/18/05	Authorized	1603	37-59	Jersey City	Hudson	18.00	ft
	2600073250	MW-1	12/10/04	12/22/04	Authorized	102	21	Jersey City	Hudson	36.00	ft
	2600073254	MW24	12/13/04	01/12/05	Authorized	1497	29	Jersey City	Hudson	12.00	ft
	2600073255	MW25	12/13/04	01/12/05	Authorized	1497	29	Jersey City	Hudson	13.00	ft
	2600073256	MW26	12/13/04	01/12/05	Authorized	1497	29	Jersey City	Hudson	12.00	ft
	2600073257	MW27	12/13/04	01/12/05	Authorized	1497	29	Jersey City	Hudson	12.00	ft
	2600073258	MW28	12/13/04	01/12/05	Authorized	1497	29	Jersey City	Hudson	12.00	ft
	2600073344	MW1	12/23/04	12/30/04	Authorized	131	1-3, 22,23	Jersey City	Hudson	20.00	ft
	2600073345	MW2	12/23/04	12/29/04	Authorized	131	1-3, 22,23	Jersey City	Hudson	20.00	ft
	2600073346	MW3	12/23/04	12/29/04	Decommissioned	131	1-3, 22,23	Jersey City	Hudson	20.00	ft
	2600073347	MW4	12/23/04	12/29/04	Decommissioned	131	1-3, 22,23	Jersey City	Hudson	20.00	ft
	2600073348		12/23/04		Authorized	131	1-3, 22,23	Jersey City	Hudson		
	2600073349		12/23/04		Authorized	131	1-3, 22,23	Jersey City	Hudson		
	2600073409	MW-1	01/03/05	02/09/05	Authorized	1290.1	3	Jersey City	Hudson	13.00	ft
	2600073410	MW-2	01/03/05	02/09/05	Authorized	1290.1	3	Jersey City	Hudson	14.50	ft
	2600073413		01/05/05		Authorized	841	10	Jersey City	Hudson		
	2600073423		01/07/05		Authorized	ROW	ROW	Jersey City	Hudson		
	2600073424		01/07/05		Authorized	ROW	ROW	Jersey City	Hudson		
	2600073428	MW-2	01/07/05	01/25/05	Authorized	20	401	Jersey City	Hudson	15.00	ft
	2600073429	MW-1	01/07/05	01/25/05	Authorized	20	401	Jersey City	Hudson	15.00	ft

	2600073430	MW-3	01/07/05	01/25/05	Authorized	20	401	Jersey City	Hudson	24.00	ft
	2600073550	MW-8	01/18/05	04/25/05	Authorized	752	G	Jersey City	Hudson	238.00	ft
	2600073551		01/18/05		Authorized	752	G	Jersey City	Hudson		
	2600073669		01/27/05		Authorized	1290.1	14J,H	Jersey City	Hudson		
	2600073672	MW-1	01/27/05	03/09/05	Authorized	1660	445A	Jersey City	Hudson	20.00	ft
	2600073673	MW2	01/27/05	03/09/05	Authorized	1660	445A	Jersey City	Hudson	20.00	ft
	2600073674	MW-3	01/27/05	03/09/05	Authorized	1660	445A	Jersey City	Hudson	20.00	ft
	2600073687		02/01/05		Authorized	1868.5	7B	Jersey City	Hudson		
	2600073707	MW-4	02/01/05	02/16/05	Authorized	363	A2	Jersey City	Hudson	13.00	ft
	2600073708	MW-1	02/01/05	02/16/05	Authorized	395.1	2	Jersey City	Hudson	10.00	ft
	2600073709	MW-2	02/01/05	02/16/05	Authorized	395.1	2	Jersey City	Hudson	12.00	ft
	2600073710	MW-3	02/01/05	02/16/05	Authorized	395.1	2	Jersey City	Hudson	10.00	ft
	2600073711	MW-5	02/01/05	02/17/05	Authorized	326	B	Jersey City	Hudson	13.00	ft
	2600073713	MW1	02/02/05	02/25/05	Authorized	588	59	Jersey City	Hudson	11.00	ft
	2600073734	MW1	02/02/05	02/10/05	Authorized	415	18A, 50	Jersey City	Hudson	15.00	ft
	2600073735	MW2	02/02/05	02/10/05	Authorized	415	18A, 50	Jersey City	Hudson	14.50	ft
	2600073736	MW-3	02/02/05	02/10/05	Authorized	415	18A, 50	Jersey City	Hudson	14.50	ft
	2600073737	MW4	02/02/05	02/10/05	Authorized	415	18A, 50	Jersey City	Hudson	14.50	ft
	2600073808	mw-1	02/15/05	03/02/05	Authorized	1744	77	Jersey City	Hudson	20.00	ft
	2600073822	MW-5	02/15/05	03/02/05	Decommissioned	1887	S	Jersey City	Hudson	15.00	ft
	2600074044	MW-2	03/02/05	03/02/05	Authorized	15	6	Jersey City	Hudson	17.00	ft
	2600074045	MW-1	03/02/05	03/02/05	Authorized	15	6	Jersey City	Hudson	17.00	ft
	2600074046	MW-3	03/02/05	03/02/05	Authorized	15	6	Jersey City	Hudson	15.00	ft
	2600074052	MW-2	03/04/05	03/14/05	Authorized	102	21	Jersey City	Hudson	15.00	ft
	2600074096	MW-1	03/07/05	03/23/05	Authorized	690	6P	Jersey City	Hudson	30.00	ft
	2600074097	mw-3	03/07/05	03/23/05	Authorized	690	6P	Jersey City	Hudson	30.00	ft
	2600074098	MW-2	03/07/05	03/23/05	Authorized	690	6P	Jersey City	Hudson	30.00	ft
	2600074099	MW-5	03/07/05	03/24/05	Authorized	690	6P	Jersey City	Hudson	30.00	ft
	2600074100	MW-4	03/07/05	03/24/05	Authorized	690	6P	Jersey City	Hudson	30.00	ft
	2600074185	MW-1	03/17/05	09/21/05	Authorized	1348	1	Jersey City	Hudson	19.00	ft
	2600074186	MW-2	03/17/05	09/21/05	Authorized	1348	1	Jersey City	Hudson	18.00	ft
	2600074187	MW-3	03/17/05	09/21/05	Authorized	1348	1	Jersey City	Hudson	19.00	ft
	2600074294	090MW010	04/04/05	04/14/05	Authorized	1286	5	Jersey City	Hudson	13.00	ft
	2600074295	090MW011	04/04/05	04/14/05	Authorized	1286	5	Jersey City	Hudson	13.00	ft
	2600074296	184MW001	04/04/05	04/14/05	Authorized	1286.5	1	Jersey City	Hudson	12.00	ft
	2600074351	MW-07A	04/05/05	05/02/05	Authorized	1286	6D	Jersey City	Hudson	30.00	ft
	2600074352	MW-13B	04/05/05	04/28/05	Authorized	1286	6D	Jersey City	Hudson	45.00	ft

	2600074353	MW-05A	04/05/05	04/29/05	Authorized	1286	4A	Jersey City	Hudson	27.00	ft
	2600074354	MW-05B	04/05/05	04/29/05	Authorized	1286	4A	Jersey City	Hudson	40.00	ft
	2600074355	MW-06A	04/05/05	05/03/05	Authorized	1286	5B	Jersey City	Hudson	27.00	ft
	2600074356	MW06B	04/05/05	05/03/05	Authorized	1286	5B	Jersey City	Hudson	39.00	ft
	2600074362	mw-08a	04/05/05	04/28/05	Authorized	1286	5	Jersey City	Hudson	18.00	ft
	2600074363	mw-09a	04/05/05	04/29/05	Authorized	1286	5	Jersey City	Hudson	30.00	ft
	2600074364	mw-10a	04/05/05	05/04/05	Authorized	1286	5	Jersey City	Hudson	28.00	ft
	2600074365	mw-11b	04/05/05	05/02/05	Authorized	1286	5	Jersey City	Hudson	42.00	ft
	2600074366	mw-12b	04/05/05	04/27/05	Authorized	1286	5	Jersey City	Hudson	40.00	ft
	2600074367	mw-14b	04/05/05	05/04/05	Authorized	1286	5	Jersey City	Hudson	40.00	ft
	2600074526		04/11/05		Authorized	--	--	Jersey City	Hudson		
	2600074533	MW-6	04/12/05	05/23/05	Authorized	2020	3	Jersey City	Hudson	13.00	ft
	2600074534	MW-7	04/12/05	05/23/05	Authorized	2020	3	Jersey City	Hudson	13.00	ft
	2600074550	184MW002	04/12/05	04/14/05	Authorized	1286.5	1	Jersey City	Hudson	12.00	ft
	2600074578	2ED-R	04/14/05	04/22/05	Authorized	1507	12	Jersey City	Hudson	45.50	ft
	2600074579	2ES-R	04/14/05	04/21/05	Authorized	1507	12	Jersey City	Hudson	18.00	ft
	2600074587	MW-4	04/15/05	04/25/05	Authorized	223	PL.A	Jersey City	Hudson	12.50	ft
	2600074588	MW5	04/15/05	04/25/05	Authorized	223	PL.A	Jersey City	Hudson	13.50	ft
	2600074589	071-MW-010	04/18/05	04/27/05	Authorized	1746	E.2	Jersey City	Hudson	9.00	ft
	2600074590	071-MW-011	04/18/05	04/27/05	Authorized	1746	E.2	Jersey City	Hudson	9.00	ft
	2600074591	071-MW-012	04/18/05	04/28/05	Authorized	1746	E.2	Jersey City	Hudson	8.00	ft
	2600074592	071-MW-01D	04/18/05	05/03/05	Authorized	1746	E.2	Jersey City	Hudson	22.00	ft
	2600074593	071-MW-02D	04/18/05	04/28/05	Authorized	1746	E.2	Jersey City	Hudson	23.00	ft
	2600074594	071-MW-03D	04/18/05	04/27/05	Authorized	1746	E.2	Jersey City	Hudson	23.00	ft
	2600074595	071-MW-04D	04/18/05	04/29/05	Authorized	1746	E.2	Jersey City	Hudson	23.00	ft
	2600074596	071-MW-015	04/18/05	05/02/05	Authorized	1746	E.2	Jersey City	Hudson	9.00	ft
	2600074597		04/18/05		Authorized	1290A	11U	Jersey City	Hudson		
	2600074690	MW2	04/21/05	04/26/05	Authorized	1288.1	1L	Jersey City	Hudson	17.00	ft
	2600074691	MW3	04/21/05	05/19/05	Authorized	1288.1	1L	Jersey City	Hudson	15.00	ft
	2600074692	MW4	04/21/05	05/19/05	Authorized	1288.1	1L	Jersey City	Hudson	15.00	ft
	2600074693	MW5	04/21/05	05/19/05	Authorized	1288.1	1L	Jersey City	Hudson	19.00	ft
	2600074722	071-MW-013	04/25/05	04/28/05	Authorized	1746	E.2	Jersey City	Hudson	9.00	ft
	2600074723	071-MW-014	04/25/05	04/29/05	Authorized	1746	E.2	Jersey City	Hudson	9.00	ft
	2600074850	MW-1	04/28/05	05/19/05	Authorized	1252	F	Jersey City	Hudson	15.00	ft
	2600074851	MW-2	04/28/05	05/19/05	Authorized	1252	F	Jersey City	Hudson	18.00	ft
	2600074852	MW-3	04/28/05	05/19/05	Authorized	1252	F	Jersey City	Hudson	10.00	ft
	2600074853		04/28/05		Authorized	1252	F	Jersey City	Hudson		

	2600074854	MW-5	04/28/05	05/20/05	Authorized	1252	F	Jersey City	Hudson	15.00	ft
	2600074855	MW-6	04/28/05	05/20/05	Authorized	1252	F	Jersey City	Hudson	13.50	ft
	2600074879		05/02/05		Authorized	1290A	11U	Jersey City	Hudson		
	2600074887	MW-9	05/03/05	05/04/05	Authorized	ROW	ROW	Jersey City	Hudson	20.00	ft
	2600074888	MW-1	05/03/05	09/15/05	Authorized	1868.5	7B	Jersey City	Hudson	53.00	ft
	2600074969	088-MW-002	05/11/05	05/16/05	Authorized	1290.1	2D	Jersey City	Hudson	15.00	ft
	2600074970	088-MW-001	05/11/05	05/16/05	Authorized	1290.1	2D	Jersey City	Hudson	15.00	ft
	2600074971	087-MW-001	05/11/05	05/16/05	Authorized	1290.1	2D	Jersey City	Hudson	15.00	ft
	2600074972		05/11/05		Authorized	1290.1	2D	Jersey City	Hudson		
	2600074973		05/11/05		Authorized	1290.1	2D	Jersey City	Hudson		
	2600074990	HCM3	05/12/05	05/20/05	Authorized	1494	16	Jersey City	Hudson	31.00	ft
	2600075167	MW-5	05/19/05	06/10/05	Authorized	1772	88	Jersey City	Hudson	13.00	ft
	2600075168	MW-6	05/19/05	06/10/05	Authorized	1772	88	Jersey City	Hudson	13.00	ft
	2600075169	MW-7	05/19/05	06/15/05	Authorized	1772	88	Jersey City	Hudson	14.00	ft
	2600075175		05/23/05		Authorized	1890	14	Jersey City	Hudson		
	2600075185	071-MW-016	05/23/05	06/01/05	Authorized	1746	E.2	Jersey City	Hudson	11.00	ft
	2600075186	071-MW-017	05/23/05	06/01/05	Authorized	1746	E.2	Jersey City	Hudson	10.00	ft
	2600075187	071-MW-018	05/23/05	06/03/05	Authorized	1702.1	1	Jersey City	Hudson	13.00	ft
	2600075188	071-MW-005D	05/23/05	06/06/05	Authorized	1702.1	1	Jersey City	Hudson	25.00	ft
	2600075217	MW4	05/25/05	06/01/05	Authorized	1981	H3,H12,3,5,10,12	Jersey City	Hudson	12.00	ft
	2600075218	MW5	05/25/05	06/01/05	Authorized	1981	H3,H12,3,5,10,12	Jersey City	Hudson	14.00	ft
	2600075219	MW1	05/25/05	06/02/05	Authorized	1981	H3,H12,3,5,10,12	Jersey City	Hudson	11.60	ft
	2600075220	MW2	05/25/05	06/02/05	Authorized	1981	H3,H12,3,5,10,12	Jersey City	Hudson	10.10	ft
	2600075221	MW3	05/25/05	06/02/05	Authorized	1981	H3,H12,3,5,10,12	Jersey City	Hudson	16.00	ft
	2600075222	MW6	05/25/05	06/02/05	Authorized	1981	H3,H12,3,5,10,12	Jersey City	Hudson	11.20	ft
	2600075443		06/10/05		Authorized	71	51-A	Jersey City	Hudson		
	2600075444		06/10/05		Authorized	71	51-A	Jersey City	Hudson		
	2600075445		06/10/05		Authorized	71	51-A	Jersey City	Hudson		
	2600075446		06/10/05		Authorized	71	51-A	Jersey City	Hudson		
	2600075447		06/10/05		Authorized	71	51-A	Jersey City	Hudson		
	2600075501	134-MW-01	06/13/05	06/17/05	Authorized	1290.A	11H	Jersey City	Hudson	15.00	ft
	2600075502		06/13/05		Authorized	1290.A	11H	Jersey City	Hudson		
	2600075503	124-MW-01	06/13/05	06/16/05	Authorized	1290.A	11.U	Jersey City	Hudson	15.00	ft
	2600075504	124-MW-02	06/13/05	06/16/05	Authorized	1290.A	11.U	Jersey City	Hudson	10.00	ft
	2600075505	125-MW-01	06/13/05	06/16/05	Authorized	1290.A	11.Q	Jersey City	Hudson	12.00	ft
	2600075506	140-MW-01	06/13/05	06/17/05	Authorized	1290.A	25	Jersey City	Hudson	15.00	ft
	2600075508		06/13/05		Authorized	20	2.41	Jersey City	Hudson		

	2600075509	MW 18 DT-R	06/13/05	07/28/05	Authorized	20	2.41	Jersey City	Hudson	68.50	ft
	2600075519	MW6(MW6R)	06/14/05	06/14/05	Authorized	1772	88	Jersey City	Hudson	13.00	ft
	2600075535	MW-4F	06/16/05	07/11/05	Authorized	2026.1	2	Jersey City	Hudson	77.00	ft
	2600075536	MW-8S	06/16/05	07/15/05	Authorized	2024	32	Jersey City	Hudson	49.00	ft
	2600075537	MW-7S	06/16/05	07/14/05	Authorized	2024	17	Jersey City	Hudson	48.00	ft
	2600075538	MW-9S	06/16/05	07/12/05	Authorized	2016	13	Jersey City	Hudson	45.00	ft
	2600075580	MW-1	06/20/05	07/07/05	Authorized	353	32	Jersey City	Hudson	10.00	ft
	2600075584	MW1	06/21/05	07/11/05	Authorized	827	23	Jersey City	Hudson	13.00	ft
	2600075657		06/27/05		Authorized	1290.A	11U	Jersey City	Hudson		
	2600075658		06/27/05		Authorized	1290.A	11U	Jersey City	Hudson		
	2600075659		06/27/05		Authorized	1290.A	11U	Jersey City	Hudson		
	2600075660		06/27/05		Authorized	1290.A	11U	Jersey City	Hudson		
	2600075661		06/27/05		Authorized	1290.A	11U	Jersey City	Hudson		
	2600075662		06/27/05		Authorized	1290.A	11U	Jersey City	Hudson		
	2600075667		06/27/05		Authorized	14H	1290.A	Jersey City	Hudson		
	2600075668		06/27/05		Authorized	14H	1290.A	Jersey City	Hudson		
	2600075669		06/27/05		Authorized	14H	1290.A	Jersey City	Hudson		
	2600075670		06/27/05		Authorized	14H	1290.A	Jersey City	Hudson		
	2600075671		06/27/05		Authorized	14H	1290.A	Jersey City	Hudson		
	2600075672		06/27/05		Authorized	14H	1290.A	Jersey City	Hudson		
	2600075673		06/27/05		Authorized	14H	1290.A	Jersey City	Hudson		
	2600075674		06/27/05		Authorized	14H	1290.A	Jersey City	Hudson		
	2600075675		06/27/05		Authorized	14H	1290.A	Jersey City	Hudson		
	2600075749	MW-1	06/30/05	07/28/05	Authorized	1775A	91	Jersey City	Hudson	15.00	ft
	2600075750	MW-2	06/30/05	07/29/05	Authorized	1775A	91	Jersey City	Hudson	14.00	ft
	2600075751	MW-3	06/30/05	07/29/05	Authorized	1775A	91	Jersey City	Hudson	14.00	ft
	2600075793	MW-3A	07/06/05	07/06/05	Authorized	2058	1.PL	Jersey City	Hudson	16.00	ft
	2600075919	OW-1	07/18/05	07/21/05	Authorized	60	19N	Jersey City	Hudson	12.00	ft
	2600075920	OW-2	07/18/05	07/21/05	Authorized	60	19N	Jersey City	Hudson	12.00	ft
	2600075921	OW-3	07/18/05	07/21/05	Authorized	60	19N	Jersey City	Hudson	12.00	ft
	2600076054	MW1	07/21/05	07/29/05	Authorized	764	G	Jersey City	Hudson	8.50	ft
	2600076071	MW10	07/22/05	08/17/05	Authorized	1808	31	Jersey City	Hudson	16.00	ft
	2600076112		07/26/05		Authorized	1250.1	110	Jersey City	Hudson		
	2600076113		07/26/05		Authorized	1290.1	10 Z	Jersey City	Hudson		
	2600076179		07/28/05		Authorized	1861	15	Jersey City	Hudson		
	2600076496		08/16/05		Authorized	1775A	87	Jersey City	Hudson		
	2600076497	MW-14	08/16/05	09/01/05	Authorized	2154	22J6	Jersey City	Hudson	15.50	ft

	2600076515		08/17/05		Authorized	1270	4.F	Jersey City	Hudson		
	2600076559	MW4	08/22/05	09/08/05	Authorized	974	22B	Jersey City	Hudson	20.00	ft
	2600076560	MW5	08/22/05	09/08/05	Authorized	974	22B	Jersey City	Hudson	20.00	ft
	2600076561	MW6	08/22/05	09/08/05	Authorized	974	22B	Jersey City	Hudson	20.00	ft
	2600076596	MW7	08/30/05	09/08/05	Authorized	974	22B	Jersey City	Hudson	20.00	ft
	2600076707	MW-5	09/14/05	11/09/05	Authorized	571	51A	Jersey City	Hudson	20.00	ft
	2600076708	MW-4D	09/14/05	11/09/05	Authorized	571	51A	Jersey City	Hudson	65.00	ft
	2600076709	MW-6	09/14/05	11/10/05	Authorized	571	51A	Jersey City	Hudson	20.00	ft
	2600076798	MW-14BR	09/21/05	10/21/05	Authorized	1751	10N	Jersey City	Hudson	85.00	ft
	2600076799	MW-15BR	09/21/05	10/07/05	Authorized	1751	10N	Jersey City	Hudson	103.00	ft
	2600076843		09/26/05		Authorized	1290.1	14J, H	Jersey City	Hudson		
	2600076844		09/26/05		Authorized	1290.1	14J, H	Jersey City	Hudson		
	2600076845		09/26/05		Authorized	1290.1	14J, H	Jersey City	Hudson		
	2600076846		09/26/05		Authorized	1290.1	14J, H	Jersey City	Hudson		
	2600076847		09/26/05		Authorized	1290.1	14J, H	Jersey City	Hudson		
	2600076848		09/26/05		Authorized	1290.1	14J, H	Jersey City	Hudson		
	2600076849		09/26/05		Authorized	1290.1	14J, H	Jersey City	Hudson		
	2600076850		09/26/05		Authorized	1290.1	14J, H	Jersey City	Hudson		
	2600076851		09/26/05		Authorized	1290.1	14J, H	Jersey City	Hudson		
	2600076852		09/26/05		Authorized	1290.1	14J, H	Jersey City	Hudson		
	2600076853		09/26/05		Authorized	1290.1	14J, H	Jersey City	Hudson		
	2600076854		09/26/05		Authorized	1290.1	14J, H	Jersey City	Hudson		
	2600076855		09/26/05		Authorized	1290.1	14J, H	Jersey City	Hudson		
	2600076856		09/26/05		Authorized	1290.1	14J, H	Jersey City	Hudson		
	2600076857		09/26/05		Authorized	1290.1	14J, H	Jersey City	Hudson		
	2600076858		09/26/05		Authorized	1290.1	14J, H	Jersey City	Hudson		
	2600076859		09/26/05		Authorized	1290.1	14J, H	Jersey City	Hudson		
	2600076860		09/26/05		Authorized	1290.1	14J, H	Jersey City	Hudson		
	2600076861		09/26/05		Authorized	1290.1	14J, H	Jersey City	Hudson		
	2600076862		09/26/05		Authorized	1290.1	14J, H	Jersey City	Hudson		
	2600076863		09/26/05		Authorized	1290.1	14J, H	Jersey City	Hudson		
	2600076864		09/26/05		Authorized	1290.1	14J, H	Jersey City	Hudson		
	2600076865		09/26/05		Authorized	1290.1	14J, H	Jersey City	Hudson		
	2600076866		09/26/05		Authorized	1290.1	14J, H	Jersey City	Hudson		
	2600076867		09/26/05		Authorized	1290.1	14J, H	Jersey City	Hudson		
	2600076893	MW-1	09/28/05	10/06/05	Authorized	250	A	Jersey City	Hudson	35.00	ft
	2600076983	MW-11B	10/04/05	11/07/05	Authorized	2026.1	1	Jersey City	Hudson	36.00	ft

	2600076984	MW-12B	10/04/05	11/15/05	Authorized	2026.1	1	Jersey City	Hudson	36.00	ft
	2600076985	MW-7C	10/04/05	11/21/05	Authorized	2026.1	1	Jersey City	Hudson	52.00	ft
	2600076986	MW-10A	10/04/05	10/17/05	Authorized	2026.1	1	Jersey City	Hudson	15.00	ft
	2600076987	MW-12A	10/04/05	10/17/05	Authorized	2026.1	1	Jersey City	Hudson	16.00	ft
	2600076988	MW-11A	10/04/05	10/31/05	Authorized	2026.1	1	Jersey City	Hudson	16.00	ft
	2600076989	MW-9C	10/04/05	11/09/05	Authorized	2026.1	2A	Jersey City	Hudson	58.00	ft
	2600076990	MW-9B	10/04/05	11/10/05	Authorized	2026.1	2A	Jersey City	Hudson	37.00	ft
	2600076991	MW-94	10/04/05	10/28/05	Authorized	2026.1	2A	Jersey City	Hudson	17.00	ft
	2600076997	MW4	10/05/05	10/20/05	Decommissioned	606.1	3	Jersey City	Hudson	15.00	ft
	2600076998		10/05/05		Authorized	606.1	3	Jersey City	Hudson		
	2600077137	MW1	10/06/05	10/25/05	Authorized	2049	A1 & V1	Jersey City	Hudson	18.00	ft
	2600077138	MW2	10/06/05	10/25/05	Authorized	2049	A1 & V1	Jersey City	Hudson	23.00	ft
	2600077139	MW3	10/06/05	10/24/05	Authorized	2049	A1 & V1	Jersey City	Hudson	20.00	ft
	2600077198		10/11/05		Authorized	847	13	Jersey City	Hudson		
	2600077199		10/11/05		Authorized	1290.A	11U	Jersey City	Hudson		
	2600077212		10/13/05		Authorized	257	13A	Jersey City	Hudson		
	2600077213		10/13/05		Authorized	257	13A	Jersey City	Hudson		
	2600077214		10/13/05		Authorized	257	13A	Jersey City	Hudson		
	2600077223		10/13/05		Authorized	1288A	L	Jersey City	Hudson		
	2600077224		10/13/05		Authorized	1288A	L	Jersey City	Hudson		
	2600077270		10/18/05	01/15/06	Authorized	1290A	11W	Jersey City	Hudson	159.50	ft
	2600077287	079 MW-13BR	10/25/05	01/18/06	Authorized	1293A	1F	Jersey City	Hudson	132.30	ft
	2600077295	MW 1	10/25/05	11/17/05	Authorized	1766	56	Jersey City	Hudson	13.50	ft
	2600077315	MW-1	10/26/05	11/04/05	Authorized	367	A 2	Jersey City	Hudson	15.00	ft
	2600077316	MW-2	10/26/05	11/04/05	Authorized	367	A 2	Jersey City	Hudson	15.00	ft
	2600077317	MW-3	10/26/05	11/04/05	Authorized	367	A 2	Jersey City	Hudson	15.00	ft
	2600077318		10/26/05		Authorized	367	A 2	Jersey City	Hudson		
	2600077319		10/26/05		Authorized	367	A 2	Jersey City	Hudson		
	2600077320		10/26/05		Authorized	367	A 2	Jersey City	Hudson		
	2600077351	MW-13B	10/31/05	11/17/05	Authorized	2026.1	1	Jersey City	Hudson	42.00	ft
	2600077352	MW-13A	10/31/05	11/02/05	Authorized	2026.1	1	Jersey City	Hudson	15.00	ft
	2600077353	MW-4C	10/31/05	11/22/05	Authorized	2026.1	1	Jersey City	Hudson	69.00	ft
	2600077487	MW-1	11/03/05	11/21/05	Authorized	766	33	Jersey City	Hudson	14.50	ft
	2600077488	MW-3	11/03/05	11/21/05	Authorized	767	17	Jersey City	Hudson	14.50	ft
	2600077489	MW-2	11/03/05	11/21/05	Authorized	766	32	Jersey City	Hudson	12.40	ft
	2600077553	MW-6C	11/14/05	12/07/05	Authorized	2026.1	2A	Jersey City	Hudson	65.00	ft
	2600077576	MW-1	11/15/05	12/07/05	Authorized	1390	1A	Jersey City	Hudson	13.00	ft

	2600077577	MW-2	11/15/05	12/07/05	Authorized	1390	1A	Jersey City	Hudson	13.00	ft
	2600077578	MW-3	11/15/05	12/07/05	Authorized	1390	1A	Jersey City	Hudson	13.00	ft
	2600077619		11/21/05		Authorized	1868.5	75	Jersey City	Hudson		
	2600077620		11/21/05		Authorized	1868.5	75	Jersey City	Hudson		
	2600077621		11/21/05		Authorized	1868.5	75	Jersey City	Hudson		
	2600077644	CMW-1(MW-149)	11/22/05	11/29/05	Authorized	1513	1.5	Jersey City	Hudson	9.00	ft
	2600077645	CMW-3(MW-150)	11/22/05	11/29/05	Authorized	1513	1.5	Jersey City	Hudson	12.50	ft
	2600077655		11/22/05		Authorized	1868.5	7B	Jersey City	Hudson		
	2600077656		11/22/05		Authorized	ROW	ROW	Jersey City	Hudson		
	2600077711		11/29/05		Authorized	N/A	N/A	Jersey City	Hudson		
	2600077712	MW-6	11/29/05	12/06/05	Authorized	1252	E2	Jersey City	Hudson	12.00	ft
	2600077713	MW-7	11/29/05	12/06/05	Authorized	1252	E2	Jersey City	Hudson	12.00	ft
	2600077714	MW-8	11/29/05	12/06/05	Authorized	1252	E2	Jersey City	Hudson	12.00	ft
	2600077822	MW6	12/05/05	12/14/05	Authorized	233	PL.A	Jersey City	Hudson	14.00	ft
	2600077823	MW7	12/05/05	12/22/05	Authorized	233	PL.A	Jersey City	Hudson	12.00	ft
	2600077829	MW1	12/07/05	12/14/05	Authorized	917	A3.A	Jersey City	Hudson	15.00	ft
	2600077830	MW2	12/07/05	12/16/05	Authorized	917	A3.A	Jersey City	Hudson	15.00	ft
	2600077831	MW3	12/07/05	12/16/05	Authorized	917	A3.A	Jersey City	Hudson	15.00	ft
	2600077849		12/12/05		Authorized	1868.5	7B	Jersey City	Hudson		
	2600077850		12/12/05		Authorized	1868.5	7B	Jersey City	Hudson		
	2600077903	MW-1	12/20/05	09/06/06	Authorized	1983	70B	Jersey City	Hudson	15.00	ft
	2600077905	MW1	12/20/05	12/30/05	Authorized	774	5	Jersey City	Hudson	25.50	ft
	2600077946	MW-1	01/03/06	03/29/06	Authorized	881	91	Jersey City	Hudson	15.00	ft
	2600078244	MW-1	01/31/06	02/07/06	Authorized	1505	1	Jersey City	Hudson	25.00	ft
	2600078245	MW-2	01/31/06	02/06/06	Authorized	1505	1	Jersey City	Hudson	18.00	ft
	2600078246	MW-3	01/31/06	02/07/06	Authorized	1505	1	Jersey City	Hudson	20.00	ft
	2600078247	MW-4	01/31/06	02/07/06	Authorized	1505	1	Jersey City	Hudson	20.00	ft
	2600078317	MW-1	02/08/06	02/13/06	Authorized	1434	9A	Jersey City	Hudson	18.00	ft
	2600078382		02/16/06		Authorized	1898	30	Jersey City	Hudson		
	2600078383	MW-3	02/16/06	02/24/06	Authorized	1898	30	Jersey City	Hudson	49.00	ft
	2600078674	MW10	03/10/06	03/23/06	Authorized	971	0000P	Jersey City	Hudson	30.00	ft
	2600078694		03/14/06		Authorized	1275.1	1	Jersey City	Hudson		
	2600078711	MW-11	03/15/06	03/23/06	Authorized	1490	1.03	Jersey City	Hudson	15.00	ft
	2600078759	MW-1	03/23/06	04/07/06	Authorized	742	153	Jersey City	Hudson	16.00	ft
	2600078760	MW11	03/23/06	03/30/06	Authorized	971	0000P	Jersey City	Hudson	30.00	ft
	2600078761	MW12	03/23/06	03/30/06	Authorized	971	0000P	Jersey City	Hudson	30.00	ft
	2600078828		03/30/06		Authorized	1290.1	14J, H	Jersey City	Hudson		

	2600078829		03/30/06		Authorized	1290.1	14J, H	Jersey City	Hudson		
	2600078830		03/30/06		Authorized	1290.1	14J, H	Jersey City	Hudson		
	2600078831		03/30/06		Authorized	1290.1	14J, H	Jersey City	Hudson		
	2600078832		03/30/06		Authorized	1290.1	14J, H	Jersey City	Hudson		
	2600078833		03/30/06		Authorized	1290.1	14J, H	Jersey City	Hudson		
	2600078834		03/30/06		Authorized	1290.1	14J, H	Jersey City	Hudson		
	2600078835		03/30/06		Authorized	1290.1	14J, H	Jersey City	Hudson		
	2600078836		03/30/06		Authorized	1290.1	14J, H	Jersey City	Hudson		
	2600078893	MW2R	04/04/06	04/24/06	Authorized	917	43.A	Jersey City	Hudson	24.00	ft
	2600078894	MW3R	04/04/06	04/25/06	Authorized	917	43.A	Jersey City	Hudson	24.00	ft
	2600078925	MW-1	04/07/06	04/24/06	Authorized	60	5.01	Jersey City	Hudson	20.00	ft
	2600078937	MW8	04/11/06	04/24/06	Authorized	974	22.B	Jersey City	Hudson	20.00	ft
	2600078938	MW9	04/11/06	04/24/06	Authorized	974	22.B	Jersey City	Hudson	20.00	ft
	2600078946		04/12/06		Authorized	1290.1	10Z	Jersey City	Hudson		
	2600078947		04/12/06		Authorized	1288A	L	Jersey City	Hudson		
	2600078958		04/12/06	01/15/06	Authorized	1290A	11W	Jersey City	Hudson	159.50	ft
	2600078968		04/13/06		Authorized	1290	12B	Jersey City	Hudson		
	2600078969		04/13/06		Authorized	1290	12B	Jersey City	Hudson		
	2600078972		04/13/06		Authorized	1288A	L	Jersey City	Hudson		
	2600078973		04/13/06		Authorized	1288A	L	Jersey City	Hudson		
	2600079032	MW-1	04/24/06	05/09/06	Authorized	90	567	Jersey City	Hudson	16.00	ft
	2600079033	MW-2	04/24/06	05/09/06	Authorized	90	567	Jersey City	Hudson	14.00	ft
	2600079034	MW-3	04/24/06	05/09/06	Authorized	90	567	Jersey City	Hudson	18.00	ft
	2600079087	PW-12	04/28/06	05/02/06	Authorized	ROW	ROW	Jersey City	Hudson	12.00	ft
	2600079090	OW-3	04/28/06	05/08/06	Authorized	60	19N	Jersey City	Hudson	12.00	ft
	2600079241	MW-5	05/11/06	05/25/06	Authorized	649	E2	Jersey City	Hudson	18.00	ft
	2600079242	MW-4	05/11/06	05/25/06	Authorized	649	E2	Jersey City	Hudson	18.00	ft
	2600079276		05/15/06		Authorized	1100	1	Jersey City	Hudson		
	2600079277		05/15/06		Authorized	1100	1	Jersey City	Hudson		
	2600079278		05/15/06		Authorized	1100	1	Jersey City	Hudson		
	2600079308	MW1	05/17/06	06/07/06	Authorized	414	1	Jersey City	Hudson	16.00	ft
	2600079309	MW2	05/17/06	06/07/06	Authorized	414	1	Jersey City	Hudson	16.00	ft
	2600079310	MW3	05/17/06	06/07/06	Authorized	414	1	Jersey City	Hudson	16.00	ft
	2600079376	MW-7	06/05/06	06/22/06	Authorized	ROW	ROW	Jersey City	Hudson	23.00	ft
	2600079377	MW-9	06/05/06	06/22/06	Authorized	ROW	ROW	Jersey City	Hudson	23.00	ft
	2600079378	MW-10	06/05/06	06/22/06	Authorized	ROW	ROW	Jersey City	Hudson	23.00	ft
	2600079411	MW-2	06/08/06	06/16/06	Authorized	881	91	Jersey City	Hudson	20.00	ft

	2600079437	MW-5	06/14/06	06/14/07	Authorized	766	36	Jersey City	Hudson	13.50	ft
	2600079438	MW-4	06/14/06	06/14/07	Authorized	767	G	Jersey City	Hudson	14.00	ft
	2600079563	MW-32BR	06/21/06	09/19/06	Authorized	20	1.01	Jersey City	Hudson	200.00	ft
	2600079568	MW2R	06/21/06	07/06/06	Authorized	2057	18	Jersey City	Hudson	13.00	ft
	2600079569	MW-2R	06/21/06	12/05/06	Authorized	2057	18	Jersey City	Hudson	18.00	ft
	2600079581	MW-8	06/22/06	06/11/06	Authorized	971	5B, 40J	Jersey City	Hudson	28.00	ft
	2600079582	MW-9	06/22/06	06/11/06	Authorized	971	5B, 40J	Jersey City	Hudson	29.00	ft
	2600079592	MW-10	06/26/06	06/12/06	Authorized	971.5	40G	Jersey City	Hudson	30.00	ft
	2600079593	MW-4	06/26/06	06/12/06	Authorized	971.5	40G	Jersey City	Hudson	30.00	ft
	2600079594	MW-12	06/26/06	06/12/06	Authorized	971.5	40G	Jersey City	Hudson	30.00	ft
	2600079673	PW-14	06/27/06	06/26/07	Authorized	1253.7	A	Jersey City	Hudson	14.00	ft
	2600079674	PW-15	06/27/06	06/26/07	Authorized	1253.7	A	Jersey City	Hudson	14.00	ft
	2600079675	PW-16	06/27/06	06/26/07	Authorized	1253.7	A	Jersey City	Hudson	12.50	ft
	2600079730	I-1	06/28/06	08/02/06	Authorized	1434	9A	Jersey City	Hudson	22.00	ft
	2600079954		07/17/06		Authorized	717	7.E	Jersey City	Hudson		
	2600079955	MW-1	07/17/06	07/31/06	Authorized	447	D2	Jersey City	Hudson	15.00	ft
	2600079956		07/17/06		Authorized	247	D2	Jersey City	Hudson		
	2600079957		07/17/06		Authorized	247	D2	Jersey City	Hudson		
	2600079958	MW-1	07/17/06	08/02/06	Authorized	2078.1	1	Jersey City	Hudson	15.00	ft
	2600079959	MW-2	07/17/06	08/03/06	Authorized	2078.1	1	Jersey City	Hudson	15.00	ft
	2600079960	MW-3	07/17/06	08/03/06	Authorized	2078.1	1	Jersey City	Hudson	18.00	ft
	2600079961	MW-4	07/17/06	08/03/06	Authorized	2078.1	1	Jersey City	Hudson	15.00	ft
	2600079962	MW-5	07/17/06	08/03/06	Authorized	2078.1	1	Jersey City	Hudson	15.00	ft
	2600079963	MW-1	07/17/06	08/01/06	Authorized	1293	B1, M2	Jersey City	Hudson	20.00	ft
	2600079964	MW-2	07/17/06	08/01/06	Authorized	1293	B1, M2	Jersey City	Hudson	20.00	ft
	2600079965	MW-3	07/17/06	08/01/06	Authorized	1293	B1, M2	Jersey City	Hudson	20.00	ft
	2600079966	MW-4	07/17/06	08/01/06	Authorized	1293	B1, M2	Jersey City	Hudson	20.00	ft
	2600079993	MW-2	07/17/06	07/25/06	Authorized	1497	3D	Jersey City	Hudson	15.00	ft
	2600079994	MW-3	07/17/06	07/25/06	Authorized	1497	3D	Jersey City	Hudson	15.00	ft
	2600080004	MW-1	07/17/06	07/19/06	Authorized	207	172.A	Jersey City	Hudson	12.00	ft
	2600080005	MW-2	07/17/06	07/19/06	Authorized	207	172.A	Jersey City	Hudson	12.00	ft
	2600080006		07/17/06	07/19/06	Authorized	207	172.A	Jersey City	Hudson	12.00	ft
	2600080041	MW7	07/19/06	08/30/06	Authorized	20-23	1660	Jersey City	Hudson	35.00	ft
	2600080045	MWP2	07/19/06	08/23/06	Decommissioned	1500	41	Jersey City	Hudson	10.00	ft
	2600080046	MWP3	07/19/06	08/23/06	Decommissioned	1500	41	Jersey City	Hudson	10.00	ft
	2600080047	MW-P1	07/19/06	08/23/06	Decommissioned	1500	41	Jersey City	Hudson	10.00	ft
	2600080097		07/24/06		Authorized	1505	Z.1,Z.2	Jersey City	Hudson		

	2600080098		07/24/06		Authorized	1505	Z.1,Z.2	Jersey City	Hudson		
	2600080099	MW1	07/24/06	09/25/06	Authorized	1820	E.3	Jersey City	Hudson	19.00	ft
	2600080100	MW1	07/24/06	09/25/06	Authorized	1820	E.4	Jersey City	Hudson	24.00	ft
	2600080106	PW-1	07/24/06	08/09/06	Authorized	2026A	1	Jersey City	Hudson	18.00	ft
	2600080141		07/26/06		Authorized	1275.1	5B	Jersey City	Hudson		
	2600080167	B-7	08/01/06	08/09/06	Authorized	1866	25	Jersey City	Hudson	25.00	ft
	2600080168	B-1	08/01/06	08/11/06	Authorized	1866	25	Jersey City	Hudson	50.00	ft
	2600080169	B-2	08/01/06	08/14/06	Authorized	1866	25	Jersey City	Hudson	22.00	ft
	2600080178		08/02/06		Authorized	287	A.2	Jersey City	Hudson		
	2600080302	MW1	08/15/06	09/15/06	Authorized	2068	7B	Jersey City	Hudson	24.00	ft
	2600080303	MW2	08/15/06	09/18/06	Authorized	2068	7B	Jersey City	Hudson	25.00	ft
	2600080331	MW-7	08/16/06	09/19/06	Authorized	786	156	Jersey City	Hudson	10.00	ft
	2600080332	MW-7D	08/16/06	09/20/06	Authorized	786	156	Jersey City	Hudson	45.00	ft
	2600080333	MW-8R	08/16/06	01/31/07	Authorized	ROW	ROW	Jersey City	Hudson	15.00	ft
	2600080431		08/22/06		Authorized	60	27A,27C,40	Jersey City	Hudson		
	2600080432		08/22/06		Authorized	60	27A,27C,40	Jersey City	Hudson		
	2600080433		08/22/06		Authorized	60	27A,27C,40	Jersey City	Hudson		
	2600080440		08/22/06		Authorized	571	52	Jersey City	Hudson		
	2600080454		08/24/06		Authorized	1285.5	1	Jersey City	Hudson		
	2600080455		08/24/06		Authorized	1285.5	1	Jersey City	Hudson		
	2600080456		08/24/06		Authorized	1285.5	1	Jersey City	Hudson		
	2600080457		08/24/06		Authorized	1285.5	1	Jersey City	Hudson		
	2600080458		08/24/06		Authorized	1285.5	1	Jersey City	Hudson		
	2600080459		08/24/06		Authorized	1285.5	1	Jersey City	Hudson		
	2600080460		08/24/06		Authorized	1285.5	1	Jersey City	Hudson		
	2600080461		08/24/06		Authorized	1285.5	1	Jersey City	Hudson		
	2600080508	MW1	08/29/06	02/05/07	Authorized	A THRU F	420	Jersey City	Hudson	18.00	ft
	2600080509	MW2	08/29/06	02/05/07	Authorized	A THRU F	420	Jersey City	Hudson	13.00	ft
	2600080510	MW3	08/29/06	02/05/07	Authorized	A THRU F	420	Jersey City	Hudson	13.00	ft
	2600080511	MW4	08/29/06	02/05/07	Authorized	A THRU F	420	Jersey City	Hudson	13.00	ft
	2600080512	MW5	08/29/06	05/24/07	Authorized	A THRU F	420	Jersey City	Hudson	15.00	ft
	2600080582	MW6	09/05/06	11/01/06	Authorized	742	154	Jersey City	Hudson	17.00	ft
	2600080583	MW7	09/05/06	11/11/06	Authorized	742	154	Jersey City	Hudson	17.00	ft
	2600080584	MW4	09/05/06	11/06/06	Authorized	742	154	Jersey City	Hudson	9.00	ft
	2600080585	MW5 (MW5D)	09/05/06	11/09/06	Authorized	742	154	Jersey City	Hudson	37.00	ft
	2600080586	MW8 (MW2R)	09/05/06	11/07/06	Authorized	742	154	Jersey City	Hudson	18.00	ft
	2600080756	MW-1	09/19/06	10/03/06	Authorized	1282.B	17.B	Jersey City	Hudson	14.00	ft

	2600080772	PPG-114-19A	09/20/06	10/12/06	Authorized	2026.1	4	Jersey City	Hudson	15.00	ft
	2600080773	PAG-114-19B	09/20/06	10/13/06	Authorized	2026.1	4	Jersey City	Hudson	50.00	ft
	2600080774	PPG-114-20A	09/20/06	10/09/06	Authorized	2026.1	4	Jersey City	Hudson	15.00	ft
	2600080775	PPG-114-20B	09/20/06	10/10/06	Authorized	2026.1	4	Jersey City	Hudson	40.00	ft
	2600080776	PPG-114-21A	09/20/06	10/05/06	Authorized	2026.1	1	Jersey City	Hudson	18.00	ft
	2600080777	PPG-114-21B	09/20/06	10/06/06	Authorized	2026.1	1	Jersey City	Hudson	34.00	ft
	2600080809	MW-1	09/26/06	10/23/06	Authorized	1775A	A-1	Jersey City	Hudson	15.00	ft
	2600080810		09/26/06		Authorized	1775A	A-1	Jersey City	Hudson		
	2600080811		09/26/06		Authorized	1775A	A-1	Jersey City	Hudson		
	2600080876		10/02/06		Authorized	2154	7	Jersey City	Hudson		
	2600080877		10/02/06		Authorized	2154	7	Jersey City	Hudson		
	2600080878		10/02/06		Authorized	2154	7	Jersey City	Hudson		
	2600080879		10/02/06		Authorized	2154	7	Jersey City	Hudson		
	2600080880		10/02/06		Authorized	2154	7	Jersey City	Hudson		
	2600080885		10/02/06		Authorized	2094	1	Jersey City	Hudson		
	2600080886		10/02/06		Authorized	2094	1	Jersey City	Hudson		
	2600080887		10/02/06		Authorized	2094	1	Jersey City	Hudson		
	2600080888		10/02/06		Authorized	2094	1	Jersey City	Hudson		
	2600080889		10/02/06		Authorized	2094	1	Jersey City	Hudson		
	2600080890		10/02/06		Authorized	2094	1	Jersey City	Hudson		
	2600080891		10/02/06		Authorized	2094	1	Jersey City	Hudson		
	2600080892		10/02/06		Authorized	2094	1	Jersey City	Hudson		
	2600080893		10/02/06		Authorized	2094	1	Jersey City	Hudson		
	2600081119	MW-1	10/17/06	10/31/06	Authorized	1347	38B	Jersey City	Hudson	16.00	ft
	2600081139		10/17/06		Authorized	2044.5	1	Jersey City	Hudson		
	2600081140		10/17/06		Authorized	2044.5	1	Jersey City	Hudson		
	2600081141	PPG-114-19C	10/17/06	11/03/06	Authorized	2017	H	Jersey City	Hudson	101.00	ft
	2600081167	PPG-114 MW-6D	10/23/06	12/14/06	Authorized	2026	1	Jersey City	Hudson	111.00	ft
	2600081169		10/23/06		Authorized	2026A	2A	Jersey City	Hudson		
	2600081170		10/23/06		Authorized	2026A	2A	Jersey City	Hudson		
	2600081171		10/23/06		Authorized	2026A	2A	Jersey City	Hudson		
	2600081172	PPG-114-MW-22A	10/23/06	12/20/06	Authorized	2026A	2A	Jersey City	Hudson	19.00	ft
	2600081173	PPG-114-MW-22B	10/23/06	11/21/06	Authorized	2026A	2A	Jersey City	Hudson	33.00	ft
	2600081206	PPG-114-MW-4D	10/24/06	12/18/06	Authorized	2026A	2A	Jersey City	Hudson	107.00	ft
	2600081207	PPG-114-MW-7D	10/24/06	12/15/06	Authorized	2026A	2A	Jersey City	Hudson	90.00	ft
	2600081220	MWPT1	10/24/06	11/08/06	Authorized	1746	C.4	Jersey City	Hudson	10.00	ft

	2600081221	MWPT2	10/24/06	11/08/06	Authorized	1746	C.4	Jersey City	Hudson	10.00	ft
	2600081222	MWPT3	10/24/06	11/08/06	Authorized	1746	C.4	Jersey City	Hudson	9.50	ft
	2600081228	MW1	10/25/06	11/15/06	Authorized	1272.5	3-7	Jersey City	Hudson	13.00	ft
	2600081229	MW2	10/25/06	11/15/06	Authorized	1272.5	3-7	Jersey City	Hudson	13.00	ft
	2600081230	MW3	10/25/06	11/15/06	Authorized	1272.5	3-7	Jersey City	Hudson	22.00	ft
	2600081232		10/26/06		Authorized	571	52	Jersey City	Hudson		
	2600081233		10/26/06		Authorized	571	52	Jersey City	Hudson		
	2600081242		10/30/06		Authorized	2118.01	1	Jersey City	Hudson		
	2600081300	PPG-114-16A	11/02/06	01/05/07	Authorized	2002	A	Jersey City	Hudson	17.00	ft
	2600081301	PPG-114-16B	11/02/06	01/03/07	Authorized	2002	A	Jersey City	Hudson	35.50	ft
	2600081302		11/02/06		Authorized	2007	21A	Jersey City	Hudson		
	2600081303		11/02/06		Authorized	2007	21A	Jersey City	Hudson		
	2600081304		11/02/06		Authorized	2007	21A	Jersey City	Hudson		
	2600081305	PPG-114-15A	11/02/06	01/30/07	Authorized	2002	3B	Jersey City	Hudson	6.00	ft
	2600081306		11/02/06		Authorized	2002	3B	Jersey City	Hudson		
	2600081348	MW4	11/06/06	11/17/06	Authorized	2049	1	Jersey City	Hudson	17.50	ft
	2600081349	MW5	11/06/06	11/17/06	Authorized	2049	1	Jersey City	Hudson	20.00	ft
	2600081350	MW6	11/06/06	01/22/07	Authorized	2049	1	Jersey City	Hudson	15.00	ft
	2600081363	MW4D	11/08/06	11/08/06	Authorized	742	154	Jersey City	Hudson	37.00	ft
	2600081374	MW-2	11/13/06	01/11/07	Authorized	808	27.8	Jersey City	Hudson	12.50	ft
	2600081541		11/28/06		Authorized	979	12	Jersey City	Hudson		
	2600081542		11/28/06		Authorized	979	12	Jersey City	Hudson		
	2600081543		11/28/06		Authorized	979	12	Jersey City	Hudson		
	2600081544		11/28/06		Authorized	979	12	Jersey City	Hudson		
	2600081613	MW7	12/07/06	01/19/07	Authorized	2049	1	Jersey City	Hudson	18.00	ft
	2600081614	MW8	12/07/06	01/22/07	Authorized	2049	1	Jersey City	Hudson	15.00	ft
	2600081649	PPG-114-23A	12/11/06	12/20/06	Authorized	2026A	3A	Jersey City	Hudson	18.00	ft
	2600081650	MW-5A	12/11/06	12/20/06	Authorized	1497	22	Jersey City	Hudson	30.00	ft
	2600081651	MW-4A	12/11/06	12/20/06	Authorized	1497	22	Jersey City	Hudson	20.00	ft
	2600081701	MW1	12/13/06	12/28/06	Authorized	705	21.A	Jersey City	Hudson	15.00	ft
	2600081703	PPG-114-23B	12/13/06	12/20/06	Authorized	2026A	3A	Jersey City	Hudson	40.00	ft
	2600081709	MW-1	12/14/06	01/11/07	Authorized	ROW	ROW	Jersey City	Hudson	14.00	ft
	2600081710	MW-3	12/14/06	01/11/07	Authorized	ROW	ROW	Jersey City	Hudson	12.50	ft
	2600081711	MW-4	12/14/06	01/11/07	Authorized	ROW	ROW	Jersey City	Hudson	14.00	ft
	2600081725	MW-001	12/19/06	12/29/06	Authorized	1651	A-01	Jersey City	Hudson	15.00	ft
	2600081726	MW-002	12/19/06	12/29/06	Authorized	1651	A-01	Jersey City	Hudson	10.00	ft
	2600081736	MW-1	12/20/06	05/31/07	Authorized	A-5	221	Jersey City	Hudson	18.00	ft

	2600081737	MW-2	12/20/06	08/28/07	Authorized	A-5	221	Jersey City	Hudson	18.00	ft
	2600081738	MW-3	12/20/06	08/28/07	Authorized	A-5	221	Jersey City	Hudson	18.00	ft
	2600081752	MW-11	12/27/06	01/17/07	Authorized	799	17-20	Jersey City	Hudson	53.00	ft
	2600081851		01/03/07		Authorized	975	10	Jersey City	Hudson		
	2600081852		01/03/07		Authorized	975	10	Jersey City	Hudson		
	2600081887	MW7	01/04/07	05/24/07	Authorized	E & F	42B	Jersey City	Hudson	12.50	ft
	2600081888	MW6	01/04/07	03/30/07	Authorized	E & F	42B	Jersey City	Hudson	13.00	ft
	2600081911	MW-2	01/08/07	01/11/07	Authorized	447	D.2	Jersey City	Hudson	14.50	ft
	2600081941		01/10/07		Authorized	1285.5	1	Jersey City	Hudson		
	2600081955	MW-12	01/10/07	01/18/07	Authorized	799	17-20	Jersey City	Hudson	12.00	ft
	2600081956	MW-13	01/10/07	01/18/07	Authorized	799	17-20	Jersey City	Hudson	11.00	ft
	2600081957	MW-14	01/10/07	01/18/07	Authorized	799	17-20	Jersey City	Hudson	10.00	ft
	2600081980	MW13	01/16/07	01/24/07	Authorized	972	7A	Jersey City	Hudson	30.00	ft
	2600081981	MW14	01/16/07	01/24/07	Authorized	972	7A	Jersey City	Hudson	30.00	ft
	2600081982	MW15	01/16/07	01/24/07	Authorized	972	7A	Jersey City	Hudson	30.00	ft
	2600082032	MW-11	01/22/07	01/31/07	Authorized	ROW	ROW	Jersey City	Hudson	15.00	ft
	2600082033	PPG-114-14A	01/23/07	02/02/07	Authorized	1948	4B	Jersey City	Hudson	12.50	ft
	2600082034	PPG-114-14B	01/23/07	02/01/07	Authorized	1948	4B	Jersey City	Hudson	32.50	ft
	2600082053		01/23/07		Authorized	1751	10.K1	Jersey City	Hudson		
	2600082054		01/23/07		Authorized	1751	10.K1	Jersey City	Hudson		
	2600082055		01/23/07		Authorized	1751	10.K1	Jersey City	Hudson		
	2600082056		01/23/07		Authorized	1751	10.K1	Jersey City	Hudson		
	2600082057		01/23/07		Authorized	1751	10.K1	Jersey City	Hudson		
	2600082058		01/23/07		Authorized	1751	10.K1	Jersey City	Hudson		
	2600082064	MW-9	01/25/07	04/19/07	Authorized	G	751	Jersey City	Hudson	65.00	ft
	2600082065	MW-10	01/25/07	04/25/07	Authorized	G	751	Jersey City	Hudson	65.00	ft
	2600082077	MW-1	01/25/07	02/23/07	Decommissioned	681, 1200	9,3B,4A	Jersey City	Hudson	20.00	ft
	2600082078	MW-2	01/25/07	02/26/07	Decommissioned	681, 1200	9,3B,4A	Jersey City	Hudson	20.00	ft
	2600082079	MW-3	01/25/07	04/05/07	Decommissioned	681, 1200	9,3B,4A	Jersey City	Hudson	12.00	ft
	2600082080	MW-4	01/25/07	04/02/07	Decommissioned	681, 1200	9,3B,4A	Jersey City	Hudson	12.00	ft
	2600082090		01/25/07		Authorized	1281A	22B	Jersey City	Hudson		
	2600082122	MW-7	01/29/07	03/13/07	Authorized	637,613A	A-1,L-2	Jersey City	Hudson	34.00	ft
	2600082123	MW-8	01/29/07	03/15/07	Authorized	637,613A	A-1,L-2	Jersey City	Hudson	25.00	ft
	2600082131	MW-04	01/29/07	03/15/07	Active	1746	3	Jersey City	Hudson	15.00	ft
	2600082152		01/29/07		Authorized	ROW	ROW	Jersey City	Hudson		
	2600082175	MW-1	01/30/07	02/14/07	Authorized	2096	11	Jersey City	Hudson	16.00	ft
	2600082176	MW-2	01/30/07	02/15/07	Authorized	2096	11	Jersey City	Hudson	19.00	ft

	2600082177	MW-3	01/30/07	02/15/07	Authorized	2096	11	Jersey City	Hudson	32.00	ft
	2600082178	MW-4	01/30/07	02/15/07	Authorized	2096	11	Jersey City	Hudson	19.00	ft
	2600082179	MW-5	01/30/07	02/16/07	Authorized	2096	11	Jersey City	Hudson	19.00	ft
	2600082180	MW-6	01/30/07	02/16/07	Authorized	2096	11	Jersey City	Hudson	19.00	ft
	2600082181		01/30/07		Authorized	2096	11	Jersey City	Hudson		
	2600082187		02/01/07		Authorized	2016	A2	Jersey City	Hudson		
	2600082188		02/01/07		Authorized	2016	A2	Jersey City	Hudson		
	2600082189		02/01/07		Authorized	2016	A2	Jersey City	Hudson		
	2600082190		02/01/07		Authorized	2016	A2	Jersey City	Hudson		
	2600082191		02/01/07		Authorized	2016	A2	Jersey City	Hudson		
	2600082192		02/01/07		Authorized	2016	A2	Jersey City	Hudson		
	2600082193		02/01/07		Authorized	2017	A1	Jersey City	Hudson		
	2600082194		02/01/07		Authorized	2017	A1	Jersey City	Hudson		
	2600082195		02/01/07		Authorized	2017	A1	Jersey City	Hudson		
	2600082196		02/01/07		Authorized	2017	H	Jersey City	Hudson		
	2600082197		02/01/07		Authorized	2017	H	Jersey City	Hudson		
	2600082198		02/01/07		Authorized	2017	H	Jersey City	Hudson		
	2600082199	MW14	02/01/07	03/08/07	Authorized	1507	25	Jersey City	Hudson	15.00	ft
	2600082200	MW15	02/01/07	03/08/07	Authorized	1507	25	Jersey City	Hudson	15.00	ft
	2600082201	MW16	02/01/07	03/08/07	Authorized	1507	25	Jersey City	Hudson	15.00	ft
	2600082296		02/07/07		Authorized	2006.A	2	Jersey City	Hudson		
	2600082297		02/07/07		Authorized	2006.A	2	Jersey City	Hudson		
	2600082298		02/07/07		Authorized	2006.A	2	Jersey City	Hudson		
	2600082299		02/07/07		Authorized	2006.A	2	Jersey City	Hudson		
	2600082300		02/07/07		Authorized	2006.A	2	Jersey City	Hudson		
	2600082301		02/07/07		Authorized	2017	H	Jersey City	Hudson		
	2600082302		02/07/07		Authorized	2017	H	Jersey City	Hudson		
	2600082303		02/07/07		Authorized	2016	A1	Jersey City	Hudson		
	2600082304		02/07/07		Authorized	2016	A1	Jersey City	Hudson		
	2600082305		02/07/07		Authorized	2016	A1	Jersey City	Hudson		
	2600082306		02/07/07		Authorized	2016	A1	Jersey City	Hudson		
	2600082308		02/08/07		Authorized	2048	44B	Jersey City	Hudson		
	2600082309		02/08/07		Authorized	2048	44B	Jersey City	Hudson		
	2600082310		02/08/07		Authorized	2048	44B	Jersey City	Hudson		
	2600082311		02/08/07		Authorized	2048	44B	Jersey City	Hudson		
	2600082399	MW-1	02/20/07	04/13/07	Authorized	60	60	Jersey City	Hudson	19.00	ft
	2600082415	MW-1	02/20/07	03/07/07	Authorized	873	229	Jersey City	Hudson	8.50	ft

	2600082430	MW-2	02/22/07	03/15/07	Authorized	1487	1C,2A,4	Jersey City	Hudson	15.00	ft
	2600082431	MW-3	02/22/07	03/15/07	Authorized	1487	1C,2A,4	Jersey City	Hudson	15.00	ft
	2600082432	MW-1	02/22/07	03/15/07	Authorized	1487	1C,2A,4	Jersey City	Hudson	15.00	ft
	2600082443		02/22/07		Authorized	2145	40 H	Jersey City	Hudson		
	2600082444		02/22/07		Authorized	2145	40 H	Jersey City	Hudson		
	2600082445		02/22/07		Authorized	2145	40 H	Jersey City	Hudson		
	2600082446		02/22/07		Authorized	2145	40 H	Jersey City	Hudson		
	2600082447		02/22/07		Authorized	2145	40 H	Jersey City	Hudson		
	2600082448	MW-1	02/22/07	03/05/07	Authorized	60	25G	Jersey City	Hudson	12.00	ft
	2600082449	MW-2	02/22/07	03/05/07	Authorized	60	25G	Jersey City	Hudson	12.00	ft
	2600082450	MW-3	02/22/07	03/05/07	Authorized	60	25G	Jersey City	Hudson	12.00	ft
	2600082451	MW-4	02/22/07	03/06/07	Authorized	60	25G	Jersey City	Hudson	12.00	ft
	2600082452	MW-5	02/22/07	03/06/07	Authorized	60	25G	Jersey City	Hudson	11.00	ft
	2600082453	MW-6	02/22/07	03/06/07	Authorized	60	25G	Jersey City	Hudson	12.00	ft
	2600082454	MW-7	02/22/07	03/07/07	Authorized	60	25G	Jersey City	Hudson	12.00	ft
	2600082455	MW-8	02/22/07	03/07/07	Authorized	60	25G	Jersey City	Hudson	12.00	ft
	2600082458	MW-12	02/27/07	03/09/07	Authorized	796	L	Jersey City	Hudson	5.00	ft
	2600082530		02/28/07		Authorized	79	693.1	Jersey City	Hudson		
	2600082548	MW-9	03/02/07	03/07/07	Authorized	60	25G	Jersey City	Hudson	12.00	ft
	2600082612	MW-1	03/06/07	11/13/07	Authorized	222	18	Jersey City	Hudson	18.00	ft
	2600082613	MW-2	03/06/07	11/13/07	Authorized	222	18	Jersey City	Hudson	18.00	ft
	2600082614	MW-3	03/06/07	11/14/07	Authorized	222	18	Jersey City	Hudson	18.00	ft
	2600082615		03/06/07		Authorized	222	18	Jersey City	Hudson		
	2600082616		03/06/07		Authorized	223	25	Jersey City	Hudson		
	2600082655	MW-5	03/12/07	04/09/07	Authorized	606	0001B	Jersey City	Hudson	15.00	ft
	2600082656	MW-6	03/12/07	04/02/07	Authorized	606	0001B	Jersey City	Hudson	15.00	ft
	2600082691	MW-5	03/14/07	04/02/07	Decommissioned	131	23 & 1	Jersey City	Hudson	20.00	ft
	2600082692	MW-6	03/14/07	04/02/07	Decommissioned	131	23 & 1	Jersey City	Hudson	20.00	ft
	2600082693	MW-7	03/14/07	04/02/07	Decommissioned	131	23 & 1	Jersey City	Hudson	20.00	ft
	2600082694	MW-8	03/14/07	04/03/07	Decommissioned	131	23 & 1	Jersey City	Hudson	20.00	ft
	2600082737	MW-HSA	03/15/07	05/02/07	Decommissioned	652	4C	Jersey City	Hudson	12.00	ft
	2600082738		03/15/07		Authorized	601	1A	Jersey City	Hudson		
	2600082739		03/15/07		Authorized	601	1A	Jersey City	Hudson		
	2600082740		03/15/07		Authorized	601	1A	Jersey City	Hudson		
	2600082741	MW-MD	03/15/07	04/26/07	Decommissioned	652	4D	Jersey City	Hudson	12.00	ft
	2600082742	MW-2D	03/15/07	05/03/07	Authorized	1600	A,D,E,G	Jersey City	Hudson	12.00	ft
	2600082743	MW-2E1	03/15/07	05/03/07	Authorized	1600	A,D,E,G	Jersey City	Hudson	12.00	ft

	2600082744	MW-LE2	03/15/07	05/03/07	Authorized	1600	A,D,E,G	Jersey City	Hudson	12.00	ft
	2600082745		03/15/07		Authorized	1600	A,D,E,G	Jersey City	Hudson		
	2600082746		03/15/07		Authorized	1600	A,D,E,G	Jersey City	Hudson		
	2600082786	MW-1	03/20/07	03/29/07	Decommissioned	1300.B	19	Jersey City	Hudson	15.00	ft
	2600082824	MW-1R	03/22/07	04/04/07	Authorized	60	5.01	Jersey City	Hudson	19.00	ft
	2600082825		03/22/07		Authorized	1751	10.K1	Jersey City	Hudson		
	2600082826		03/22/07		Authorized	1751	10.K1	Jersey City	Hudson		
	2600082875		03/29/07		Authorized	2016	29-47	Jersey City	Hudson		
	2600082876		03/29/07		Authorized	2016	29-47	Jersey City	Hudson		
	2600082877		03/29/07		Authorized	2016	29-47	Jersey City	Hudson		
	2600082878		03/29/07		Authorized	2017	1,69	Jersey City	Hudson		
	2600082879		03/29/07		Authorized	2017	1,69	Jersey City	Hudson		
	2600082936		04/02/07		Authorized	131	234	Jersey City	Hudson		
	2600082968	MW-13 (MW-I-23)	04/03/07	05/01/07	Authorized	603	1A	Jersey City	Hudson	12.00	ft
	2600082969	MW-14 (M-I-25)	04/03/07	05/01/07	Authorized	603	1A	Jersey City	Hudson	12.00	ft
	2600082971	MW-MD2	04/03/07	04/26/07	Decommissioned	652	4D	Jersey City	Hudson	12.00	ft
	2600082972	MW-MD3	04/03/07	04/26/07	Decommissioned	652	4D	Jersey City	Hudson	12.00	ft
	2600082974	MW-H2A2	04/03/07	05/02/07	Decommissioned	652	4C	Jersey City	Hudson	12.00	ft
	2600083075	MW-1	04/10/07	05/08/07	Authorized	276	C.1	Jersey City	Hudson	17.50	ft
	2600083135	MW-1	04/16/07	05/31/07	Authorized	2040	L-12	Jersey City	Hudson	15.00	ft
	2600083136	MW-2	04/16/07	05/31/07	Authorized	2040	L-12	Jersey City	Hudson	15.00	ft
	2600083137	MW-3	04/16/07	05/31/07	Authorized	2040	L-12	Jersey City	Hudson	13.00	ft
	2600083229	DR-1	04/24/07	05/02/07	Decommissioned	652	4F	Jersey City	Hudson	10.00	ft
	2600083230		04/24/07		Authorized	652	4F	Jersey City	Hudson		
	2600083275	MW1	04/25/07	05/07/07	Authorized	1750	23.A	Jersey City	Hudson	15.00	ft
	2600083280		04/26/07		Authorized	1514A	111	Jersey City	Hudson		
	2600083360	MW3	05/02/07	05/08/07	Authorized	1637	B1,B2,B4,B3,A1 -7	Jersey City	Hudson	13.00	ft
	2600083361	MW2	05/02/07	05/08/07	Authorized	1637	B1,B2,B4,B3,A1 -7	Jersey City	Hudson	13.50	ft
	2600083362	MW1	05/02/07	05/08/07	Authorized	1637	B1,B2,B4,B3,A1 -7	Jersey City	Hudson	13.00	ft
	2600083366	MW-16 (MW-34A)	05/02/07	05/02/07	Authorized	602	1A	Jersey City	Hudson	12.00	ft
	2600083367		05/02/07		Authorized	602	1A	Jersey City	Hudson		
	2600083368	MW-1	05/02/07	05/10/07	Authorized	1280.C	3	Jersey City	Hudson	8.00	ft
	2600083382	MW-1	05/02/07	05/14/07	Authorized	1981	13,14,H12,H13	Jersey City	Hudson	15.00	ft
	2600083383	MW-2	05/02/07	05/16/07	Authorized	1981	13,14,H12,H13	Jersey City	Hudson	12.00	ft
	2600083384	MW-3	05/02/07	05/16/07	Authorized	1981	13,14,H12,H13	Jersey City	Hudson	12.00	ft
	2600083385	MW-4	05/02/07	05/14/07	Authorized	1981	13,14,H12,H13	Jersey City	Hudson	11.00	ft

	2600083389	MW-HSA3	05/02/07	05/04/07	Decommissioned	652	4C	Jersey City	Hudson	12.00	ft
	2600083477	MW-1	05/14/07	06/06/07	Authorized	1744	16.99	Jersey City	Hudson	20.00	ft
	2600083478	MW-2	05/14/07	07/24/07	Authorized	1744	16.99	Jersey City	Hudson	19.50	ft
	2600083479	MW-3	05/14/07	07/24/07	Authorized	1744	16.99	Jersey City	Hudson	19.50	ft
	2600083486	MW-2	05/14/07	06/04/07	Authorized	60	60	Jersey City	Hudson	20.00	ft
	2600083541	MW-1	05/17/07	06/07/07	Authorized	1251	83	Jersey City	Hudson	13.00	ft
	2600083542	MW-2	05/17/07	06/07/07	Authorized	1251	83	Jersey City	Hudson	14.00	ft
	2600083543	MW-3	05/17/07	06/07/07	Authorized	1251	83	Jersey City	Hudson	11.00	ft
	2600083601		05/22/07		Authorized	717	7.E	Jersey City	Hudson		
	2600083629		05/23/07		Authorized	822	78	Jersey City	Hudson		
	2600083642	MW-11	05/24/07	07/19/07	Authorized	1804	896	Jersey City	Hudson	15.00	ft
	2600083643	MW-12	05/24/07	07/19/07	Authorized	1806	33	Jersey City	Hudson	15.00	ft
	2600083654	MW-1	05/29/07	07/12/07	Authorized	1271	24A	Jersey City	Hudson	20.00	ft
	2600083676		05/30/07		Authorized	1286.5	1	Jersey City	Hudson		
	2600083677		05/30/07		Authorized	1286.5	1	Jersey City	Hudson		
	2600083690	MW-9	05/30/07	07/19/07	Authorized	694.1	45	Jersey City	Hudson	21.00	ft
	2600083723	MW-1	06/04/07	06/13/07	Authorized	1775.1	78-94	Jersey City	Hudson	10.00	ft
	2600083724	MW-2	06/04/07	06/13/07	Authorized	1775.1	78-94	Jersey City	Hudson	13.00	ft
	2600083725	MW-3	06/04/07	06/14/07	Authorized	1775.1	78-94	Jersey City	Hudson	13.00	ft
	2600083726	MW-4	06/04/07	06/14/07	Authorized	1775.1	78-94	Jersey City	Hudson	8.00	ft
	2600083727	MW-5	06/04/07	06/14/07	Authorized	1775.1	78-94	Jersey City	Hudson	10.00	ft
	2600083728	MW-6	06/04/07	06/13/07	Authorized	1775.1	78-94	Jersey City	Hudson	18.00	ft
	2600083729	MW-7	06/04/07	06/13/07	Authorized	1775.1	78-94	Jersey City	Hudson	10.00	ft
	2600083730	MW-8	06/04/07	06/13/07	Authorized	1775.1	78-94	Jersey City	Hudson	12.00	ft
	2600083762		06/05/07		Authorized	652	1	Jersey City	Hudson		
	2600083763	PW-S2	06/05/07	07/10/07	Authorized	652	1	Jersey City	Hudson	12.00	ft
	2600083764	PW-D1	06/05/07	07/11/07	Authorized	652	1	Jersey City	Hudson	35.00	ft
	2600083765	MW-S1	06/05/07	07/11/07	Authorized	652	1	Jersey City	Hudson	10.00	ft
	2600083766	MW-S2	06/05/07	07/10/07	Authorized	652	1	Jersey City	Hudson	9.00	ft
	2600083767	MW-D1	06/05/07	07/09/07	Authorized	652	1	Jersey City	Hudson	35.00	ft
	2600083868		06/13/07		Authorized	1278.5	B.1	Jersey City	Hudson		
	2600083869		06/13/07		Authorized	1278.5	B.1	Jersey City	Hudson		
	2600083870		06/13/07		Authorized	1278.5	B.1	Jersey City	Hudson		
	2600084050	MW#1	06/25/07	07/12/07	Authorized	756	336.A	Jersey City	Hudson	9.00	ft
	2600084060	MW-1	06/26/07	07/18/07	Authorized	717	7E	Jersey City	Hudson	12.00	ft
	2600084076	MW-1	06/28/07	10/10/07	Authorized	1376	76	Jersey City	Hudson	6.00	ft
	2600084107	MW-16	07/02/07	07/26/07	Authorized	972	7A	Jersey City	Hudson	28.20	ft

	2600084108	MW-17	07/02/07	07/26/07	Authorized	972	7A	Jersey City	Hudson	30.00	ft
	2600084132	MW3R	07/03/07	08/30/07	Decommissioned	631.A	P2	Jersey City	Hudson	12.00	ft
	2600084335	MW-1	07/23/07	07/28/07	Authorized	109	WA	Jersey City	Hudson	16.00	ft
	2600084336	MW-2	07/23/07	07/29/07	Authorized	109	WA	Jersey City	Hudson	16.00	ft
	2600084337		07/23/07	07/29/07	Authorized	109	WA	Jersey City	Hudson	14.00	ft
	2600084352	MW1R	07/24/07	08/09/07	Authorized	1250.1	110	Jersey City	Hudson	12.00	ft
	2600084377	MW#2	07/25/07	07/13/07	Authorized	756	336.A	Jersey City	Hudson	9.00	ft
	2600084378	MW#3	07/25/07	07/13/07	Authorized	756	336.A	Jersey City	Hudson	9.00	ft
	2600084381		07/25/07		Authorized	2097	15	Jersey City	Hudson		
	2600084382		07/25/07		Authorized	2097	15	Jersey City	Hudson		
	2600084383		07/25/07		Authorized	2097	15	Jersey City	Hudson		
	2600084384		07/25/07		Authorized	2097	15	Jersey City	Hudson		
	2600084385		07/25/07		Authorized	2097	15	Jersey City	Hudson		
	2600084416		07/26/07		Authorized	2097	6B,6C,7,10,11	Jersey City	Hudson		
	2600084417		07/26/07		Authorized	2097	6B,6C,7,10,11	Jersey City	Hudson		
	2600084418		07/26/07		Authorized	2097	6B,6C,7,10,11	Jersey City	Hudson		
	2600084419		07/26/07		Authorized	2097	6B,6C,7,10,11	Jersey City	Hudson		
	2600084420		07/26/07		Authorized	2097	6B,6C,7,10,11	Jersey City	Hudson		
	2600084455	MW-4PR	07/31/07	08/17/07	Authorized	1497	28,29	Jersey City	Hudson	15.00	ft
	2600084456	MW-1PR	07/31/07	08/17/07	Authorized	1497	28,29	Jersey City	Hudson	15.00	ft
	2600084457	MW-5PR	07/31/07	08/17/07	Authorized	1497	28,29	Jersey City	Hudson	13.00	ft
	2600084458	MW-3PR	07/31/07	08/24/07	Authorized	1497	28,29	Jersey City	Hudson	15.00	ft
	2600084459	MW-2PR	07/31/07	08/24/07	Authorized	1497	28,29	Jersey City	Hudson	10.00	ft
	2600084464		08/06/07		Authorized	961	6C	Jersey City	Hudson		
	2600084469	MW-1	08/06/07	09/12/07	Authorized	102	V1	Jersey City	Hudson	12.00	ft
	2600084489	MW-14D	08/06/07	09/05/07	Authorized	2040	20	Jersey City	Hudson	40.00	ft
	2600084546	MW-9S	08/08/07	08/13/07	Authorized	ROW	ROW	Jersey City	Hudson	14.00	ft
	2600084547	MW-7S	08/08/07	08/16/07	Authorized	ROW	ROW	Jersey City	Hudson	12.00	ft
	2600084548	MW-7F	08/08/07	08/13/07	Authorized	ROW	ROW	Jersey City	Hudson	61.00	ft
	2600084549	MW-10S	08/08/07	08/16/07	Active	ROW	ROW	Jersey City	Hudson	15.00	ft
	2600084552	MW-14S	08/08/07	09/04/07	Authorized	2040	20	Jersey City	Hudson	13.00	ft
	2600084566	MW-3D	08/14/07	10/05/07	Authorized	1243	B1&M2	Jersey City	Hudson	55.00	ft
	2600084567	MW-5	08/14/07	10/16/07	Authorized	1243	B1&M2	Jersey City	Hudson	15.00	ft
	2600084568	MW-6	08/14/07	10/16/07	Authorized	1243	B1&M2	Jersey City	Hudson	15.00	ft
	2600084569		08/14/07		Authorized	1243	B1&M2	Jersey City	Hudson		
	2600084578		08/14/07		Authorized	01284.6	1	Jersey City	Hudson		
	2600084586		08/14/07		Authorized	1272-5	3-7	Jersey City	Hudson		

	2600084587		08/14/07		Authorized	1272-5	3-7	Jersey City	Hudson		
	2600084588		08/14/07		Authorized	1272-5	3-7	Jersey City	Hudson		
	2600084857	MW-1	09/06/07	10/03/07	Decommissioned	1922	K	Jersey City	Hudson	12.50	ft
	2600084937	MW-1	09/12/07	10/04/07	Authorized	1828	5.A	Jersey City	Hudson	30.00	ft
	2600084938	MW-2	09/12/07	10/04/07	Authorized	1828	5.A	Jersey City	Hudson	30.00	ft
	2600084939	MW-3	09/12/07	10/04/07	Authorized	1828	5.A	Jersey City	Hudson	30.00	ft
	2600085112	MW-1R	09/24/07	10/05/07	Authorized	799	17-20	Jersey City	Hudson	14.00	ft
	2600085113	MW-7R	09/24/07	10/05/07	Authorized	799	17-20	Jersey City	Hudson	14.00	ft
	2600085114	MW-8R	09/24/07	10/05/07	Authorized	799	17-20	Jersey City	Hudson	14.00	ft
	2600085115	MW-3R	09/24/07	10/05/07	Authorized	799	17-20	Jersey City	Hudson	14.00	ft
	2600085116	MW-2R	09/24/07	10/05/07	Authorized	799	17-20	Jersey City	Hudson	14.00	ft
	2600085138		09/26/07		Authorized	C	420	Jersey City	Hudson		
	2600085178		10/01/07		Authorized	1286	5	Jersey City	Hudson		
	2600085179		10/01/07		Authorized	1286	5	Jersey City	Hudson		
	2600085180		10/01/07		Authorized	1286	5	Jersey City	Hudson		
	2600085191		10/01/07		Authorized	1289.5	E	Jersey City	Hudson		
	2600085192		10/01/07		Authorized	1289.5	E	Jersey City	Hudson		
	2600085193		10/01/07		Authorized	1289.5	E	Jersey City	Hudson		
	2600085232	MW-1D	10/03/07	10/11/07	Authorized	533	40A	Jersey City	Hudson	18.00	ft
	2600085248		10/04/07		Authorized	71	51-A	Jersey City	Hudson		
	2600085249		10/04/07		Authorized	71	51-A	Jersey City	Hudson		
	2600085258	MW-1	10/10/07	11/01/07	Decommissioned	1802	6.A	Jersey City	Hudson	13.00	ft
	2600085361	090 PZ 105	10/19/07	11/01/07	Authorized	1280	5	Jersey City	Hudson	12.00	ft
	2600085362	090 PZ 115A	10/19/07	10/31/07	Authorized	1280	5	Jersey City	Hudson	14.00	ft
	2600085363	090 PZ 115B	10/19/07	10/31/07	Authorized	1280	5	Jersey City	Hudson	20.00	ft
	2600085364	090 PZ 119	10/19/07	10/31/07	Authorized	1280	5	Jersey City	Hudson	11.00	ft
	2600085365	090 PZ 106A	10/19/07	10/30/07	Authorized	1280	5	Jersey City	Hudson	10.00	ft
	2600085366	090 PZ 106B	10/19/07	10/30/07	Authorized	1280	5	Jersey City	Hudson	15.00	ft
	2600085367		10/19/07		Authorized	1280	5	Jersey City	Hudson		
	2600085368	184 PZ 116A	10/19/07	10/26/07	Authorized	1286.5	E	Jersey City	Hudson	8.00	ft
	2600085369	184 PZ 116B	10/19/07	10/26/07	Authorized	1286.5	E	Jersey City	Hudson	15.00	ft
	2600085370	184 PZ 118	10/19/07	10/25/07	Authorized	1286.5	E	Jersey City	Hudson	6.00	ft
	2600085371	184 PZ 120	10/19/07	10/26/07	Authorized	1286.5	E	Jersey City	Hudson	6.00	ft
	2600085372	184 OW 110A	10/19/07	10/23/07	Authorized	1286.5	E	Jersey City	Hudson	6.00	ft
	2600085373	184 OW 110B	10/19/07	10/22/07	Authorized	1286.5	E	Jersey City	Hudson	15.00	ft
	2600085374	1840W110C	10/19/07	10/22/07	Authorized	1286.5	E	Jersey City	Hudson	52.00	ft
	2600085375		10/19/07		Authorized	1286.5	E	Jersey City	Hudson		

	2600085376		10/19/07		Authorized	1286.5	E	Jersey City	Hudson		
	2600085451		10/29/07		Authorized	502	1	Jersey City	Hudson		
	2600085452		10/29/07		Authorized	502	1	Jersey City	Hudson		
	2600085453		10/29/07		Authorized	502	1	Jersey City	Hudson		
	2600085507	MW-18	11/07/07	11/19/07	Authorized	972	7A	Jersey City	Hudson	30.00	ft
	2600085513	MW-1	11/07/07	11/20/07	Authorized	1880	1	Jersey City	Hudson	20.00	ft
	2600085539		11/08/07		Authorized	867	17	Jersey City	Hudson		
	2600085595	MW-5	11/14/07	11/21/07	Authorized	1505	1	Jersey City	Hudson	18.00	ft
	2600085717	MW7	11/20/07	12/06/07	Authorized	ROW	ROW	Jersey City	Hudson	7.50	ft
	2600085736	MW-1P	11/26/07	12/04/07	Authorized	102	73	Jersey City	Hudson	20.00	ft
	2600085799	MW-1	12/10/07	12/17/07	Authorized	2083	E2	Jersey City	Hudson	14.00	ft
	2600085800	MW-2	12/10/07	12/17/07	Authorized	2083	9	Jersey City	Hudson	14.00	ft
	2600085801	MW-3	12/10/07	12/17/07	Authorized	2083	58A	Jersey City	Hudson	14.00	ft
	2600085811	MW11	12/10/07	01/07/08	Authorized	637 A2	A-1, L-2	Jersey City	Hudson	37.00	ft
	2600085812	MW-10	12/10/07	01/11/08	Authorized	637 A2	A-1, L-2	Jersey City	Hudson	11.50	ft
	2600085813	MW12	12/10/07	01/09/08	Authorized	637 A2	A-1, L-2	Jersey City	Hudson	15.00	ft
	2600085814	MW13	12/10/07	01/10/08	Authorized	637 A2	A-1, L-2	Jersey City	Hudson	14.20	ft
	2600085823	MW17	12/10/07	12/18/07	Authorized	1507	25	Jersey City	Hudson	14.00	ft
	2600085839		12/10/07		Authorized	290	12B	Jersey City	Hudson		
	2600085840		12/10/07		Authorized	290	12B	Jersey City	Hudson		
	2600085841		12/10/07		Authorized	290	12B	Jersey City	Hudson		
	2600085842		12/10/07		Authorized	290	12B	Jersey City	Hudson		
	2600085843		12/10/07		Authorized	290	12B	Jersey City	Hudson		
	2600085951	MW1	12/27/07	01/11/08	Authorized	2.A	853	Jersey City	Hudson	15.00	ft
	2600086019	MW-1	01/02/08	02/07/08	Authorized	785	D.1	Jersey City	Hudson	11.00	ft
	2600086070	MW-1	01/08/08	01/09/08	Authorized	PL-A	2046	Jersey City	Hudson	20.00	ft
	2600086235		01/22/08		Authorized	1280.A	47.C	Jersey City	Hudson		
	2600086518	MW-1 (MW3)	02/08/08	02/26/08	Active	2058	18	Jersey City	Hudson	10.00	ft
	2600086519	MW-1	02/08/08	02/26/08	Decommissioned	2058	18	Jersey City	Hudson	10.00	ft
	2600086520	MW3 (MW2)	02/08/08	02/26/08	Active	2058	18	Jersey City	Hudson	10.00	ft
	2600086547	MW-2	02/13/08	04/25/08	Authorized	1917	11A	Jersey City	Hudson	31.00	ft
	2600086548	MW-1	02/13/08	04/25/08	Authorized	1917	11A	Jersey City	Hudson	32.00	ft
	2600086564	MW-1	02/14/08	05/06/08	Decommissioned	1821	52	Jersey City	Hudson	14.00	ft
	2600086600	MW-2	02/20/08	03/14/08	Authorized	709.5	110	Jersey City	Hudson	15.00	ft
	2600086601	MW-3	02/20/08	03/14/08	Authorized	709.5	110	Jersey City	Hudson	17.00	ft
	2600086629	MW1	02/21/08	03/10/08	Authorized	718	11	Jersey City	Hudson	24.00	ft
	2600086630	MW2	02/21/08	03/10/08	Authorized	718	11	Jersey City	Hudson	22.00	ft

	2600086631	MW3	02/21/08	03/12/08	Authorized	718	11	Jersey City	Hudson	22.00	ft
	2600086717	MW-1	03/03/08	03/12/08	Authorized	60	19H	Jersey City	Hudson	14.00	ft
	2600086718	MW-2	03/03/08	03/12/08	Authorized	60	19H	Jersey City	Hudson	15.00	ft
	2600086719	MW-3	03/03/08	03/12/08	Authorized	60	19H	Jersey City	Hudson	19.00	ft
	2600086720	MW-4	03/03/08	03/14/08	Authorized	60	19H	Jersey City	Hudson	13.00	ft
	2600086721	MW-5	03/03/08	03/13/08	Decommissioned	60	19R	Jersey City	Hudson	13.00	ft
	2600086722	MW-6	03/03/08	03/13/08	Decommissioned	60	19R	Jersey City	Hudson	14.00	ft
	2600086723	MW-7	03/03/08	03/13/08	Decommissioned	60	19R	Jersey City	Hudson	13.00	ft
	2600086724		03/03/08		Authorized	60	19R	Jersey City	Hudson		
	2600086807	MW-4	03/10/08	03/13/08	Authorized	756	336.A	Jersey City	Hudson	10.00	ft
	2600086808	MW-3	03/10/08	03/14/08	Authorized	756	336.A	Jersey City	Hudson	7.00	ft
	2600086848	MW-1	03/11/08	04/30/08	Decommissioned	40	1808	Jersey City	Hudson	15.00	ft
	2600086849	MW-14	03/11/08	03/27/08	Authorized	N/A	N/A	Jersey City	Hudson	7.00	ft
	2600086859	MW6	03/11/08	04/01/08	Authorized	1746	24	Jersey City	Hudson	18.00	ft
	2600086860	MW-1	03/12/08	04/09/08	Authorized	14	2101	Jersey City	Hudson	14.00	ft
	2600086861	MW-2	03/12/08	04/09/08	Authorized	14	2101	Jersey City	Hudson	14.00	ft
	2600086862	MW-3	03/12/08	04/09/08	Authorized	14	2101	Jersey City	Hudson	14.50	ft
	2600086863	MW-4	03/12/08	04/09/08	Authorized	14	2101	Jersey City	Hudson	14.00	ft
	2600086864	MW-5	03/12/08	04/09/08	Authorized	14	2101	Jersey City	Hudson	14.80	ft
	2600086897	MW-4R	03/13/08	04/04/08	Authorized	2057	1	Jersey City	Hudson	18.00	ft
	2600086898	MW-5R	03/13/08	03/25/08	Authorized	2057	1	Jersey City	Hudson	18.00	ft
	2600086899	MW-6R	03/13/08	03/25/08	Authorized	2057	1	Jersey City	Hudson	18.00	ft
	2600086900	MW-7R	03/13/08	03/25/08	Authorized	2057	1	Jersey City	Hudson	18.00	ft
	2600086929	MW-1R	03/18/08	03/25/08	Authorized	1252	F	Jersey City	Hudson	15.00	ft
	2600086930	MW-2R	03/18/08	03/25/08	Authorized	1252	F	Jersey City	Hudson	13.50	ft
	2600086931	MW-4R	03/18/08	03/25/08	Authorized	1252	F	Jersey City	Hudson	14.00	ft
	2600086932	MW-5R	03/18/08	03/25/08	Authorized	1252	F	Jersey City	Hudson	15.00	ft
	2600086933	MW-11R	03/18/08	03/25/08	Authorized	1252	F	Jersey City	Hudson	13.00	ft
	2600086953	MWTPD1	03/19/08	04/30/08	Authorized	1639.1	5C	Jersey City	Hudson	26.00	ft
	2600086954	MWTP-D2	03/19/08	04/29/08	Authorized	1639.1	5C	Jersey City	Hudson	24.00	ft
	2600086955	MWTP S1	03/19/08	04/28/08	Authorized	1639.1	5C	Jersey City	Hudson	10.00	ft
	2600086956		03/19/08		Authorized	1639.1	5C	Jersey City	Hudson		
	2600087026	W-1	03/31/08	04/03/08	Authorized	139	1-1	Jersey City	Hudson	20.00	ft
	2600087027	W-2	03/31/08	04/05/08	Authorized	139	1-1	Jersey City	Hudson	20.00	ft
	2600087059		04/01/08		Authorized	975	10	Jersey City	Hudson		
	2600087103	MW-1	04/07/08	08/26/08	Active	508	30	Jersey City	Hudson	13.00	ft
	2600087161		04/14/08		Authorized	2020	1D	Jersey City	Hudson		

	2600087162		04/14/08		Authorized	2020	1D	Jersey City	Hudson		
	2600087163	MW-1	04/14/08	04/21/08	Authorized	2045	4.E	Jersey City	Hudson	15.00	ft
	2600087281	MW1	04/29/08	04/30/08	Authorized	311	67	Jersey City	Hudson	20.00	ft
	2600087288		04/29/08		Authorized	20	3.15	Jersey City	Hudson		
	2600087289	MW-1	04/29/08	05/22/08	Active	20	3.18	Jersey City	Hudson	20.00	ft
	2600087305	124MW09	04/30/08	07/11/08	Active	1290.1	12B,11Q,11R	Jersey City	Hudson	11.00	ft
	2600087306		04/30/08		Authorized	1290.1	12B,11Q,11R	Jersey City	Hudson		
	2600087307		04/30/08		Authorized	1290.1	12B,11Q,11R	Jersey City	Hudson		
	2600087308		04/30/08		Authorized	1290.1	12B,11Q,11R	Jersey City	Hudson		
	2600087309		04/30/08		Authorized	1290.1	12B,11Q,11R	Jersey City	Hudson		
	2600087310		04/30/08		Authorized	1290.1	12B,11Q,11R	Jersey City	Hudson		
	2600087311		04/30/08		Authorized	1290.1	12B,11Q,11R	Jersey City	Hudson		
	2600087312		04/30/08		Authorized	1290.1	12B,11Q,11R	Jersey City	Hudson		
	2600087326	MW-4	04/30/08	05/20/08	Authorized	1487	1C	Jersey City	Hudson	14.00	ft
	2600087327	MW-5	04/30/08	05/23/08	Authorized	1487	1C	Jersey City	Hudson	28.00	ft
	2600087328	MW-6	04/30/08	05/23/08	Authorized	1487	1C	Jersey City	Hudson	30.00	ft
	2600087388		05/07/08		Authorized	222	R,17,16C	Jersey City	Hudson		
	2600087389		05/07/08		Authorized	222	R,17,16C	Jersey City	Hudson		
	2600087390		05/07/08		Authorized	222	R,17,16C	Jersey City	Hudson		
	2600087396	MW-8D	05/08/08	05/22/08	Authorized	2057	1	Jersey City	Hudson	39.00	ft
	2600087475	MW-14	05/15/08	05/23/08	Authorized	1507	35	Jersey City	Hudson	16.00	ft
	2600087486	MW-2S	05/20/08	06/11/08	Active	2022	86-91	Jersey City	Hudson	22.00	ft
	2600087487	MW-4S	05/20/08	06/05/08	Active	2022	86-91	Jersey City	Hudson	20.00	ft
	2600087488	MW-17	05/20/08	06/09/08	Active	2022	86-91	Jersey City	Hudson	17.00	ft
	2600087489	MW-18	05/20/08	06/06/08	Active	2022	86-91	Jersey City	Hudson	19.00	ft
	2600087490	MW-19	05/20/08	06/09/08	Active	2022	86-91	Jersey City	Hudson	19.00	ft
	2600087511	MW-1	05/22/08	09/22/08	Active	1916	12	Jersey City	Hudson	8.75	ft
	2600087512	MW-2	05/22/08	09/23/08	Active	1916	12	Jersey City	Hudson	14.25	ft
	2600087513	MW-3	05/22/08	09/23/08	Active	1916	12	Jersey City	Hudson	17.00	ft
	2600087555	MW-1	05/23/08	06/13/08	Decommissioned	60.06	5	Jersey City	Hudson	12.00	ft
	2600087598	MW-8	06/02/08	06/25/08	Authorized	1833	A	Jersey City	Hudson	30.00	ft
	2600087601	MW-6	06/02/08	06/24/08	Authorized	1638	1	Jersey City	Hudson	30.00	ft
	2600087602	MW-7	06/02/08	06/24/08	Authorized	1638	1	Jersey City	Hudson	30.00	ft
	2600087603	MW-4	06/02/08	06/26/08	Authorized	1828	5.A	Jersey City	Hudson	30.00	ft
	2600087604	MW-5	06/02/08	06/25/08	Authorized	1828	5.A	Jersey City	Hudson	30.00	ft
	2600087627	MW#1	06/04/08	06/18/08	Authorized	1804	4 & 4C	Jersey City	Hudson	15.00	ft
	2600087628	MW#2	06/04/08	06/18/08	Authorized	1804	4 & 4C	Jersey City	Hudson	14.00	ft

	2600087739	RW-1	06/11/08	06/25/08	Authorized	15 & 109	C1 & 6	Jersey City	Hudson	17.00	ft
	2600087740	RW-2	06/11/08	06/25/08	Authorized	15 & 109	C1 & 6	Jersey City	Hudson	17.00	ft
	2600087741	RW-3	06/11/08	06/24/08	Authorized	15 & 109	C1 & 6	Jersey City	Hudson	15.50	ft
	2600087748	MW-18	06/16/08	07/21/08	Active	R.O.W.	R.O.W.	Jersey City	Hudson	35.00	ft
	2600087749	MW-17	06/16/08	07/24/08	Active	R.O.W.	R.O.W.	Jersey City	Hudson	39.00	ft
	2600087803	MW-1	06/23/08	07/16/08	Decommissioned	2154	33	Jersey City	Hudson	18.50	ft
	2600087918		06/25/08		Authorized	1361	A	Jersey City	Hudson		
	2600087919		06/25/08		Authorized	1361	A	Jersey City	Hudson		
	2600088161	MW-1	07/17/08	08/04/08	Active	1295	41	Jersey City	Hudson	18.00	ft
	2600088338		07/30/08		Authorized	1936	37	Jersey City	Hudson		
	2600088339		07/30/08		Authorized	1936	37	Jersey City	Hudson		
	2600088409	MW-5	08/07/08	09/29/09	Active	2115	24	Jersey City	Hudson	15.00	ft
	2600088410	MW-1R	08/07/08	09/28/09	Active	2115	24	Jersey City	Hudson	15.00	ft
	2600088411	MW-7	08/07/08	09/28/09	Active	2115	24	Jersey City	Hudson	36.00	ft
	2600088412	MW-6	08/07/08	09/28/09	Active	2115	24	Jersey City	Hudson	15.00	ft
	2600088418		08/07/08		Authorized	385	25.99	Jersey City	Hudson		
	2600088419		08/07/08		Authorized	385	25.99	Jersey City	Hudson		
	2600088420		08/07/08		Authorized	385	25.99	Jersey City	Hudson		
	2600088451	(087 MW 118) OLD AKA-MW1	08/11/08	08/29/08	Active	1290.1	3	Jersey City	Hudson	13.00	ft
	2600088452	(087 MW 119) OLD AKA-MW2	08/11/08	08/29/08	Active	1290.1	3	Jersey City	Hudson	11.00	ft
	2600088453	(087 MW 120) OLD AKA-MW3	08/11/08	08/29/08	Active	1290.1	3	Jersey City	Hudson	11.00	ft
	2600088454		08/11/08		Authorized	1290.1	3	Jersey City	Hudson		
	2600088455	(087 MW 117) OLD AKA-MW5	08/11/08	08/29/08	Active	1290.1	3	Jersey City	Hudson	12.00	ft
	2600088456	(087 MW 116) OLD AKA-MW6	08/11/08	08/29/08	Active	1290.1	3	Jersey City	Hudson	12.00	ft
	2600088457		08/11/08		Authorized	1290.1	3	Jersey City	Hudson		
	2600088673	MW-1	08/27/08	09/17/08	Decommissioned	1892	J.1	Jersey City	Hudson	26.00	ft
	2600089016	MW#1	09/04/08	10/24/08	Active	1757	44	Jersey City	Hudson	7.00	ft
	E200907673	MW-8	01/21/10	07/08/09	Active	420	2	Jersey City	Hudson	13.00	ft
	E200907843	MW-2	12/21/09	07/07/09	Active	2154.2	3C	Jersey City	Hudson	13.00	ft
	E200907844	MW-3	10/29/09	07/06/09	Active	2154.2	3C	Jersey City	Hudson	13.00	ft
	E200907845	MW-4	10/29/09	07/06/09	Active	2154.2	3C	Jersey City	Hudson	13.00	ft
	E200907846	MW-5	10/30/09	07/07/09	Active	2154.2	3C	Jersey City	Hudson	13.00	ft
	E200908437	MW-1D	01/06/10	07/24/09	Active	2078.1	1	Jersey City	Hudson	50.00	ft
	E200908438	MW-2D	01/06/10	07/27/09	Active	2078.1	1	Jersey City	Hudson	50.00	ft
	E200908439	MW-3D	01/06/10	07/27/09	Active	2078.1	1	Jersey City	Hudson	50.00	ft
	E200908440	MW-4D	01/06/10	07/27/09	Active	2078.1	1	Jersey City	Hudson	50.00	ft

	E200909321	MW-4M	09/18/09	09/09/09	Active	2049	1	Jersey City	Hudson	43.00	ft
	E200909322	MW-4D	07/31/09		Proposed	2049	1	Jersey City	Hudson		
	E200909323	MW5M	09/18/09	09/10/09	Active	2049	1	Jersey City	Hudson	38.00	ft
	E200909324	MW-11	09/18/09	09/08/09	Active	2049	1	Jersey City	Hudson	12.00	ft
	E200909325	MW-11M	09/18/09	09/07/09	Active	2049	1	Jersey City	Hudson	22.00	ft
	E200909326	MW-12	09/18/09	09/04/09	Active	2049	1	Jersey City	Hudson	19.00	ft
	E200910004	MW-1	09/24/09	08/27/09	Active	2145	41.Q	Jersey City	Hudson	12.00	ft
	E200910005	MW-2	09/24/09	08/27/09	Active	2145	41.N	Jersey City	Hudson	12.00	ft
	E200910006	MW-3	09/24/09	08/26/09	Active	2145	41.N	Jersey City	Hudson	15.00	ft
	E200910007	MW-2	09/24/09	08/28/09	Active	2145	41.T	Jersey City	Hudson	14.00	ft
	E200910008	MW-3	09/24/09	08/28/09	Active	2145	41.T	Jersey City	Hudson	12.00	ft
	E200910009	MW-4	09/24/09	08/27/09	Active	2145	41.T	Jersey City	Hudson	12.00	ft
	E200910010	MW-1	09/24/09	08/26/09	Active	60	19.G	Jersey City	Hudson	13.00	ft
	E200911839	MW-1	12/31/09	10/09/09	Active	2	A	Jersey City	Hudson	15.00	ft
	E200911840	MW-2	12/31/09	10/09/09	Active	2	A	Jersey City	Hudson	15.00	ft
	E200911841	MW-3	12/31/09	10/09/09	Active	2	A	Jersey City	Hudson	15.00	ft
	E200911842	MW-4	12/31/09	10/09/09	Active	2	A	Jersey City	Hudson	15.00	ft
	E200911843	MW-5	12/31/09	10/09/09	Active	2	A	Jersey City	Hudson	15.00	ft
	E200911844	MW-6	12/31/09	10/09/09	Active	2	A	Jersey City	Hudson	15.00	ft
	E200911845	MW-7	12/31/09	10/09/09	Active	2	A	Jersey City	Hudson	15.00	ft
	E200914734	MW-7	01/04/10	12/09/09	Active	187	19A.99	Jersey City	Hudson	19.00	ft
	E200914741	MW-05R	01/12/10	12/23/09	Active	60	19Q	Jersey City	Hudson	18.00	ft
	E200914742	MW-06R	01/12/10	12/22/09	Active	60	19Q	Jersey City	Hudson	19.00	ft
	E200914743	MW-07R	01/12/10	12/23/09	Active	60	19Q	Jersey City	Hudson	18.00	ft
	E200914744	MW-08	01/12/10	12/22/09	Active	60	19Q	Jersey City	Hudson	19.00	ft
	E200914745	MW-09	01/12/10	12/24/09	Active	60	19Q	Jersey City	Hudson	14.00	ft
	E200915104	MW-4	12/16/09		Proposed	70	7	Jersey City	Hudson		
	E201000001	MW-1	01/19/10	01/08/10	Active	563	16.99	Jersey City	Hudson	6.50	ft
	E201000245	MW-1	01/11/10		Proposed	1463	B.36	Jersey City	Hudson		
	E201000332	19HMW-01	02/05/10	01/26/10	Active	60	19H	Jersey City	Hudson	13.00	ft
	E201000333	19HMW-02	02/05/10	01/26/10	Active	60	19H	Jersey City	Hudson	15.00	ft
	E201000815	MW-1	01/29/10		Proposed	2015	B.3	Jersey City	Hudson		
	E201000850	MW1	01/29/10		Proposed	1472	50	Jersey City	Hudson		
	P200800041	MW-3R	09/10/08	10/31/08	Active	2057	18	Jersey City	Hudson	20.00	ft
	P200800063	MW-1	09/10/08	09/12/08	Active	385	25 & 26	Jersey City	Hudson	20.00	ft
	P200800064	MW-2	09/10/08	09/15/08	Active	385	25 & 26	Jersey City	Hudson	20.00	ft
	P200800065	MW-3	09/10/08	09/15/08	Active	385	25 & 26	Jersey City	Hudson	20.00	ft

	P200800791	MW5R	09/24/08	10/09/08	Active	131	1 & 23	Jersey City	Hudson	12.00	ft
	P200800792	MW6R	09/24/08	10/09/08	Active	131	1 & 23	Jersey City	Hudson	12.00	ft
	P200800793	MW4R	09/24/08	10/09/08	Active	131	1 & 23	Jersey City	Hudson	15.00	ft
	P200800794		09/24/08		Proposed	131	1 & 23	Jersey City	Hudson		
	P200800795	MW9	09/24/08	10/10/08	Active	131	1 & 23	Jersey City	Hudson	17.00	ft
	P200800796	MW10	09/24/08	10/10/08	Active	131	1 & 23	Jersey City	Hudson	17.00	ft
	P200800802	MW-1	09/24/08	10/01/08	Active	1917	6A	Jersey City	Hudson	15.00	ft
	P200800987	MW-D	09/29/08	10/09/08	Active	222	16.6 &17	Jersey City	Hudson	10.00	ft
	P200800988	MW-E	09/29/08	10/09/08	Active	222	16.6 &17	Jersey City	Hudson	10.00	ft
	P200800989	MW-F	09/29/08	10/09/08	Active	222	16.6 &17	Jersey City	Hudson	10.00	ft
	P200801364	MW-1	10/06/08	10/31/08	Active	1200	3B	Jersey City	Hudson	14.00	ft
	P200801375	MW-9D	10/06/08	01/22/09	Active	786	156	Jersey City	Hudson	40.00	ft
	P200801376	MW-9S	10/06/08	01/22/09	Active	786	156	Jersey City	Hudson	10.00	ft
	P200801882	MW-4	10/16/08	11/18/08	Active	83	1251	Jersey City	Hudson	10.00	ft
	P200801883	MW-5	10/16/08	11/18/08	Active	N/A	N/A	Jersey City	Hudson	14.00	ft
	P200801884	MW-6	10/16/08	11/18/08	Active	N/A	N/A	Jersey City	Hudson	13.00	ft
	P200801952	MW-8D	10/20/08	01/21/09	Active	ROW	ROW	Jersey City	Hudson	40.00	ft
	P200801953	MW-8S	10/20/08	01/21/09	Active	ROW	ROW	Jersey City	Hudson	10.00	ft
	P200802185	MW-1	10/22/08	11/07/08	Active	18.06	33.99	Jersey City	Hudson	16.00	ft
	P200802225	MW-2	10/22/08	11/07/08	Active	18.06	33.99	Jersey City	Hudson	16.00	ft
	P200802253	MW1	10/23/08	10/24/08	Active	1820	E.4	Jersey City	Hudson	17.00	ft
	P200802441	MW-6	10/28/08	11/11/08	Active	14	2101	Jersey City	Hudson	13.50	ft
	P200802475	MW-4	10/28/08	11/17/08	Active	1272.5	1B.99	Jersey City	Hudson	22.00	ft
	P200802644	MW-1	11/05/08	11/13/08	Active	778	32	Jersey City	Hudson	15.00	ft
	P200802737	MW-6	11/07/08	11/21/08	Active	691	33	Jersey City	Hudson	33.00	ft
	P200802738	MW-7	11/07/08	11/20/08	Active	691	33	Jersey City	Hudson	30.00	ft
	P200802739		11/07/08		Proposed	691	33	Jersey City	Hudson		
	P200802740	MW-9	11/07/08	11/20/08	Active	691	33	Jersey City	Hudson	28.00	ft
	P200802741		11/07/08		Proposed	691	33	Jersey City	Hudson		
	P200802742		11/07/08		Proposed	691	33	Jersey City	Hudson		
	P200802752		11/07/08		Proposed	1361	A	Jersey City	Hudson		
	P200802753		11/07/08		Proposed	1361	A	Jersey City	Hudson		
	P200802994	MW1PR	11/14/08	01/09/09	Active	1497	33	Jersey City	Hudson	11.00	ft
	P200802995	MW2R-PR	11/14/08	01/09/09	Active	1497	33	Jersey City	Hudson	11.00	ft
	P200802996	MW3-R-PR	11/14/08	01/09/09	Active	1497	33	Jersey City	Hudson	16.00	ft
	P200802997	MW4 R-PR	11/14/08	01/09/09	Active	1497	33	Jersey City	Hudson	16.00	ft
	P200802998	MW5RPR	11/14/08	01/09/09	Active	1497	33	Jersey City	Hudson	13.00	ft

	P200803411		11/20/08		Proposed	1514A	111	Jersey City	Hudson		
	P200803519	MW-1	11/21/08	12/02/08	Active	2058	S	Jersey City	Hudson	14.00	ft
	P200803520	MW-2	11/21/08	12/02/08	Active	2085.A	A.13	Jersey City	Hudson	15.00	ft
	P200803770	B-2W	12/02/08	12/08/08	Active	1507	10B	Jersey City	Hudson	25.00	ft
	P200803771		12/02/08		Proposed	1507	10B	Jersey City	Hudson		
	P200803878	MW-41	12/04/08	01/05/09	Active	2154	22	Jersey City	Hudson	13.00	ft
	P200804166	MW-1	12/10/08	12/17/08	Active	2098	19A-99	Jersey City	Hudson	13.00	ft
	P200804219		12/12/08		Proposed	1899	31	Jersey City	Hudson		
	P200804220		12/12/08		Proposed	1899	29	Jersey City	Hudson		
	P200804506		12/22/08		Proposed	70	7	Jersey City	Hudson		
	P200804610	MW-1A	12/30/08	01/27/09	Active	2058	18	Jersey City	Hudson	13.00	ft
	P200804738		12/30/08		Proposed	15	26	Jersey City	Hudson		
	P200804739		12/30/08		Proposed	15	26	Jersey City	Hudson		
	P200804786	MW-1R	12/31/08	01/08/09	Active	2145	40.H	Jersey City	Hudson	9.00	ft
	P200900010	MW-5	01/05/09	01/14/09	Active	222	18	Jersey City	Hudson	20.00	ft
	P200900011	MW-4	01/05/09	01/14/09	Active	222	18	Jersey City	Hudson	20.00	ft
	P200900012	MW-1	01/05/09	01/14/09	Active	1360	32	Jersey City	Hudson	12.00	ft
	P200900131		01/05/09		Proposed	971	4A	Jersey City	Hudson		
	P200900414	MW-1R	01/14/09	01/26/09	Active	1702.1	1	Jersey City	Hudson	13.00	ft
	P200900415	MW-8	01/14/09	01/26/09	Active	1702.1	1	Jersey City	Hudson	13.00	ft
	P200900416	MW-7	01/14/09	01/26/09	Active	1702.1	1	Jersey City	Hudson	13.00	ft
	P200900691	MW1	01/22/09	02/04/09	Active	316	R	Jersey City	Hudson	11.00	ft
	P200900717	MW-1	01/22/09	02/10/09	Active	1510	X.1	Jersey City	Hudson	17.00	ft
	P200900718	MW-2	01/22/09	02/10/09	Active	1510	X.1	Jersey City	Hudson	19.00	ft
	P200900719	MW-3	01/22/09	02/10/09	Active	1510	X.1	Jersey City	Hudson	19.00	ft
	P200900720	MW-4	01/22/09	02/10/09	Active	1510	X.1	Jersey City	Hudson	11.00	ft
	P200901154	MW-1	02/06/09	02/26/09	Active	2059	B	Jersey City	Hudson	23.00	ft
	P200901155	MW-2	02/06/09	02/26/09	Active	2059	B	Jersey City	Hudson	24.00	ft
	P200901156	MW-3	02/06/09	02/26/09	Active	2059	B	Jersey City	Hudson	21.00	ft
	P200901157	MW-4	02/06/09	02/26/09	Active	2059	B	Jersey City	Hudson	17.50	ft
	P200901158	MW-5	02/06/09	02/26/09	Active	2059	B	Jersey City	Hudson	25.00	ft
	P200901385	RW1	02/11/09	02/25/09	Active	2049	1	Jersey City	Hudson	22.00	ft
	P200901386	RW2	02/11/09	02/25/09	Active	2049	1	Jersey City	Hudson	18.50	ft
	P200901387	MW10	02/11/09	02/25/09	Active	2049	1	Jersey City	Hudson	20.00	ft
	P200901388	MW9	02/11/09	02/26/09	Active	2049	1	Jersey City	Hudson	20.00	ft
	P200901389	MW3R	02/11/09	02/26/09	Active	2049	1	Jersey City	Hudson	20.00	ft
	P200901846		02/25/09		Proposed	1288A	1M	Jersey City	Hudson		

	P200902150	MW-2	03/06/09	03/13/09	Active	1271	24.A	Jersey City	Hudson	20.00	ft
	P200902193	MW7	03/10/09	04/07/09	Active	1746	F.2	Jersey City	Hudson	18.00	ft
	P200902240		03/12/09		Proposed	187	19.0A	Jersey City	Hudson		
	P200902302		03/12/09		Proposed	109	WEST A	Jersey City	Hudson		
	P200902303		03/12/09		Proposed	109	WEST A	Jersey City	Hudson		
	P200902304		03/12/09		Proposed	109	WEST A	Jersey City	Hudson		
	P200902305		03/12/09		Proposed	109	WEST A	Jersey City	Hudson		
	P200902306		03/12/09		Proposed	109	WEST A	Jersey City	Hudson		
	P200902397	MW-4	03/12/09	03/13/09	Active	1744	16.99	Jersey City	Hudson	20.00	ft
	P200903121	EFR-1	03/23/09	04/01/09	Active	222	16C, 17R	Jersey City	Hudson	15.00	ft
	P200903122	EFR-4	03/23/09	04/01/09	Active	222	16C, 17R	Jersey City	Hudson	15.00	ft
	P200903123	EFR-7	03/23/09	04/01/09	Active	222	16C, 17R	Jersey City	Hudson	15.00	ft
	P200903124	EFR-14	03/23/09	04/01/09	Active	222	16C, 17R	Jersey City	Hudson	11.00	ft
	P200903606	MW-2	04/03/09	04/10/09	Active	2078-A	15	Jersey City	Hudson	14.50	ft
	P200903607	MW-1	04/03/09	04/10/09	Active	2078-A	B	Jersey City	Hudson	14.00	ft
	P200904138	D17-12 (OW-1)	04/16/09	05/01/09	Active	649.1	1	Jersey City	Hudson	44.00	ft
	P200904139	D4-17 (OW-12)	04/16/09	05/01/09	Active	649.1	1	Jersey City	Hudson	4.00	ft
	P200904467		04/22/09		Proposed	652	4D	Jersey City	Hudson		
	P200904468		04/22/09		Proposed	603	1B	Jersey City	Hudson		
	P200904469		04/22/09		Proposed	603	1B	Jersey City	Hudson		
	P200904669	MW-1	04/27/09	05/13/09	Active	1507	2.L10	Jersey City	Hudson	20.00	ft
	P200904670	MW-2	04/27/09	05/13/09	Active	1507	2.L10	Jersey City	Hudson	20.00	ft
	P200904671	MW-3	04/27/09	05/12/09	Active	1507	2.L10	Jersey City	Hudson	15.00	ft
	P200904672	MW-4	04/27/09	05/12/09	Active	1507	2.L10	Jersey City	Hudson	15.00	ft
	P200904673	MW-5	04/27/09	05/12/09	Active	1507	2.L10	Jersey City	Hudson	20.00	ft
	P200904674	MW-6	04/27/09	05/13/09	Active	1507	2.L10	Jersey City	Hudson	15.00	ft
	P200905054	ELM-1	04/30/09	06/03/09	Active	603	1B	Jersey City	Hudson	10.00	ft
	P200905055	ELM-2	04/30/09	06/03/09	Active	603	1B	Jersey City	Hudson	12.00	ft
	P200905056	ELM-3	04/30/09	06/03/09	Active	652	4D	Jersey City	Hudson	10.00	ft
	P200905125		05/04/09		Proposed	261	12	Jersey City	Hudson		
	P200905126		05/04/09		Proposed	261	12	Jersey City	Hudson		
	P200905127		05/04/09		Proposed	261	12	Jersey City	Hudson		
	P200905128		05/04/09		Proposed	261	12	Jersey City	Hudson		
	P200905129		05/04/09		Proposed	261	12	Jersey City	Hudson		
	P200905130		05/04/09		Proposed	261	12	Jersey City	Hudson		
	P200905131		05/04/09		Proposed	261	12	Jersey City	Hudson		
	P200905216		05/05/09		Proposed	2008	A-1, 9-E, 9-	Jersey City	Hudson		

							F				
	P200905217		05/05/09		Proposed	2008	A-1, 9-E,9-F	Jersey City	Hudson		
	P200905218		05/05/09		Proposed	2008	A-1, 9-E,9-F	Jersey City	Hudson		
	P200905445		05/06/09		Proposed	1291	76	Jersey City	Hudson		
	P200905451		05/06/09		Proposed	286	11	Jersey City	Hudson		
	P200905452		05/06/09		Proposed	286	11	Jersey City	Hudson		
	P200905453		05/06/09		Proposed	286	11	Jersey City	Hudson		
	P200905454		05/06/09		Proposed	1746	1-5 & 24	Jersey City	Hudson		
	P200905455		05/06/09		Proposed	1746	1-5 & 24	Jersey City	Hudson		
	P200905456		05/06/09		Proposed	1746	1-5 & 24	Jersey City	Hudson		
	P200905558	MW-EFR-13	05/07/09	08/04/09	Active	222	16C,17R	Jersey City	Hudson	11.00	ft
	P200905559	MW-EFR-15	05/07/09	08/04/09	Active	222	16C,17R	Jersey City	Hudson	11.00	ft
	P200905560	MW-EFR-2	05/07/09	08/05/09	Active	222	16C,17R	Jersey City	Hudson	15.00	ft
	P200905561	MW-EFR-3	05/07/09	08/05/09	Active	222	16C,17R	Jersey City	Hudson	15.00	ft
	P200905562	MWEFR-5	05/07/09	08/05/09	Active	222	16C,17R	Jersey City	Hudson	15.00	ft
	P200905563	MW-EFR-6	05/07/09	08/05/09	Active	222	16C,17R	Jersey City	Hudson	15.00	ft
	P200905564	MW-EFR-8	05/07/09	08/05/09	Active	222	16C,17R	Jersey City	Hudson	15.00	ft
	P200905565	MW-EFR-9	05/07/09	08/05/09	Active	222	16C,17R	Jersey City	Hudson	15.00	ft
	P200905566	MW-EFR-10	05/07/09	08/05/09	Active	222	16C,17R	Jersey City	Hudson	15.00	ft
	P200905567	MW-EFR-11	05/07/09	07/03/09	Active	222	16C,17R	Jersey City	Hudson	11.00	ft
	P200905568	MW-EFR-12	05/07/09	08/04/09	Active	222	16C,17R	Jersey City	Hudson	11.00	ft
	P200905586		05/07/09		Proposed	1806	34-37	Jersey City	Hudson		
	P200905587		05/07/09		Proposed	1806	34-37	Jersey City	Hudson		
	P200905588		05/07/09		Proposed	1806	34-37	Jersey City	Hudson		
	P200905589		05/07/09		Proposed	1806	34-37	Jersey City	Hudson		
	P200905590		05/07/09		Proposed	1806	34-37	Jersey City	Hudson		
	P200905591		05/07/09		Proposed	1806	34-37	Jersey City	Hudson		
	P200905594		05/07/09		Proposed	1660	439	Jersey City	Hudson		
	P200905595		05/07/09		Proposed	1660	439	Jersey City	Hudson		
	P200905596		05/07/09		Proposed	1272.5	3-7	Jersey City	Hudson		
	P200905597		05/07/09		Proposed	1272.5	3-7	Jersey City	Hudson		
	P200905598		05/07/09		Proposed	1272.5	3-7	Jersey City	Hudson		
	P200905599		05/07/09		Proposed	1272.5	3-7	Jersey City	Hudson		
	P200905600		05/07/09		Proposed	1272.5	3-7	Jersey City	Hudson		
	P200905601		05/07/09		Proposed	1272.5	3-7	Jersey City	Hudson		
	P200905602		05/07/09		Proposed	1272.5	3-7	Jersey City	Hudson		
	P200905853	MW7PR	05/13/09	05/18/09	Active	1497	35	Jersey City	Hudson	30.00	ft

	P200905854	MW8PR	05/13/09	05/18/09	Active	1497	33	Jersey City	Hudson	11.00	ft
	P200905855	MW9PR	05/13/09	05/18/09	Active	1497	33	Jersey City	Hudson	15.00	ft
	P200905938	MW1	05/15/09	06/04/09	Active	712	A-10	Jersey City	Hudson	50.00	ft
	P200906134	MW-1	05/20/09	05/28/09	Active	2082	1	Jersey City	Hudson	13.00	ft
	P200906135	MW-2	05/20/09	05/28/09	Active	2082	1	Jersey City	Hudson	12.00	ft
	P200906136	MW-3	05/20/09	05/28/09	Active	2082	1	Jersey City	Hudson	12.00	ft
	P200906137	MW-5	05/20/09	05/29/09	Active	2082	1	Jersey City	Hudson	14.00	ft
	P200906177	MW-4	05/21/09	05/29/09	Active	2082	1	Jersey City	Hudson	13.00	ft
	P200906303	MW-8	05/27/09	06/10/09	Active	ROW	ROW	Jersey City	Hudson	17.00	ft
	P200906304	MW-1	05/27/09	06/10/09	Active	ROW	ROW	Jersey City	Hudson	20.00	ft
	P200906305	MW-2	05/27/09	06/11/09	Active	ROW	ROW	Jersey City	Hudson	15.00	ft
	P200906306	MW-3	05/27/09	06/11/09	Active	ROW	ROW	Jersey City	Hudson	15.50	ft
	P200906334	MW-7	05/27/09	06/08/09	Active	60.11	1	Jersey City	Hudson	18.00	ft
	P200906335	MW-5	05/27/09	06/11/09	Active	60	56	Jersey City	Hudson	16.00	ft
	P200906336	MW-4	05/27/09	06/05/09	Active	2144	B4.99	Jersey City	Hudson	23.00	ft
	P200906374	MW-9	05/28/09	06/12/09	Active	ROW	ROW	Jersey City	Hudson	16.00	ft
	P200906375	MW-10	05/28/09	06/12/09	Active	ROW	ROW	Jersey City	Hudson	20.00	ft
	P200906376	MW-6	05/28/09	06/05/09	Active	ROW	ROW	Jersey City	Hudson	18.00	ft
	P200906626	MW-19	05/29/09	06/17/09	Active	799	153	Jersey City	Hudson	14.00	ft
	P200906797	MW-2R	06/04/09	08/19/09	Active	631.A	P.02	Jersey City	Hudson	15.00	ft
	P200906798	MW-6	06/04/09	08/18/09	Active	631.A	P.02	Jersey City	Hudson	15.00	ft
	P200906799	MW-3RR	06/04/09	08/19/09	Active	631.A	P.02	Jersey City	Hudson	15.00	ft
	P200907217		06/11/09		Proposed	1290.A	2.D	Jersey City	Hudson		
	P200907322	MW10S	06/15/09	07/09/09	Active	ROW	ROW	Jersey City	Hudson	7.00	ft
	P200907362		06/15/09		Proposed	ROW	ROW	Jersey City	Hudson		
	P200907700	J-OW-1	06/24/09	07/21/09	Active	ROW	ROW	Jersey City	Hudson	15.60	ft
	P200907795	MW-15D	06/25/09	09/28/09	Active	800	171	Jersey City	Hudson	48.00	ft
	P200907986	MW-2	07/01/09	08/06/09	Active	778	32	Jersey City	Hudson	14.00	ft
	P200908211		07/08/09		Proposed	2040	C.17 & 15	Jersey City	Hudson		
	P200908212		07/08/09		Proposed	2040	C.17 & 15	Jersey City	Hudson		
	P200908213		07/08/09		Proposed	2040	C.17 & 15	Jersey City	Hudson		
	P200908487	MW-1S	07/14/09	07/28/09	Active	2083	86	Jersey City	Hudson	13.00	ft
	P200908488	MW-2S	07/14/09	07/28/09	Active	2083	86	Jersey City	Hudson	15.00	ft
	P200908489	MW-3S (R)	07/14/09	07/28/09	Active	2083	86	Jersey City	Hudson	15.00	ft
	P200908490	MW-3D (R)	07/14/09	07/28/09	Active	2083	86	Jersey City	Hudson	37.00	ft
	P200908491	MW-4S (R)	07/14/09	07/27/09	Active	2083	86	Jersey City	Hudson	19.00	ft
	P200908492		07/14/09		Proposed	2083	86	Jersey City	Hudson		

	P200908899	MW-1	07/24/09	08/07/09	Active	908	19	Jersey City	Hudson	19.00	ft
	P200909012	MW-1	07/27/09	08/06/09	Active	1361	A	Jersey City	Hudson	14.00	ft
	P200909013	MW-2 AKA 155-MW-004	07/27/09	08/06/09	Active	1361	A	Jersey City	Hudson	14.00	ft
	P200909014	MW-3 AKA 155-MW-003	07/27/09	08/06/09	Active	1361	A	Jersey City	Hudson	14.00	ft
	P200909311	MW-16	07/31/09	09/28/09	Active	ROW	ROW	Jersey City	Hudson	6.00	ft
	P200909418	MW-1	08/04/09	08/17/09	Active	1283.A	147	Jersey City	Hudson	11.00	ft
	P200909419	MW-2	08/04/09	08/17/09	Active	1283.A	147	Jersey City	Hudson	10.00	ft
	P200909420	MW-3	08/04/09	08/18/09	Active	1283.A	147	Jersey City	Hudson	11.00	ft
	P200909475		08/05/09		Proposed	512	E	Jersey City	Hudson		
	P200909476		08/05/09		Proposed	512	D	Jersey City	Hudson		
	P200909477		08/05/09		Proposed	512	D	Jersey City	Hudson		
	P200909643	CR-MW-182	08/10/09	09/17/09	Active	1513	1.5	Jersey City	Hudson	14.00	ft
	P200909777	MW-1	08/13/09	08/20/09	Active	1283	110.A	Jersey City	Hudson	18.00	ft
	P200910140	MW-18	08/20/09	10/14/09	Active	287	A.2	Jersey City	Hudson	15.00	ft
	P200910141	MW-19	08/20/09	10/14/09	Active	287	A.2	Jersey City	Hudson	15.00	ft
	P200910142	MW-20	08/20/09	10/14/09	Active	287	A.2	Jersey City	Hudson	15.00	ft
	P200910143	MW-21	08/20/09	10/14/09	Active	287	A.2	Jersey City	Hudson	15.00	ft
	P200910144	MW-22	08/20/09	10/15/09	Active	287	A.2	Jersey City	Hudson	15.00	ft
	P200910145	MW-23	08/20/09	10/15/09	Active	287	A.2	Jersey City	Hudson	15.00	ft
	P200910146	MW-24	08/20/09	10/15/09	Active	287	A.2	Jersey City	Hudson	15.00	ft
	P200910147	MW-25	08/20/09	10/15/09	Active	287	A.2	Jersey City	Hudson	15.00	ft
	P200910385	MW-2R	08/27/09	09/09/09	Active	961	6.0C	Jersey City	Hudson	35.00	ft
	P200910386	MW-3R	08/27/09	09/10/09	Active	961	6.0C	Jersey City	Hudson	35.00	ft
	P200910664	MP2	09/03/09	09/17/09	Active	287	A.01	Jersey City	Hudson	15.00	ft
	P200910665	MP1	09/03/09	09/17/09	Active	287	A.01	Jersey City	Hudson	15.00	ft
	P200910740	MW-C	09/03/09	09/10/09	Active	835	5	Jersey City	Hudson	15.30	ft
	P200910741	MW-B	09/03/09	09/10/09	Active	835	5	Jersey City	Hudson	14.00	ft
	P200910742	MW-A	09/03/09	09/10/09	Active	835	5	Jersey City	Hudson	15.80	ft
	P200910897	MW5	09/10/09	09/30/09	Active	822	78	Jersey City	Hudson	20.00	ft
	P200910898	MW6	09/10/09	09/25/09	Active	822	78	Jersey City	Hudson	20.00	ft
	P200911000	SB-47 MW-1	09/14/09	10/01/09	Active	1507	25	Jersey City	Hudson	9.30	ft
	P200911001	SB-10 MW-3	09/14/09	10/09/09	Active	1507	25	Jersey City	Hudson	15.80	ft
	P200911002	SB17/MW-4	09/14/09	10/09/09	Active	1507	25	Jersey City	Hudson	18.00	ft
	P200911003	SB-22/MW-6	09/14/09	10/09/09	Active	1507	25	Jersey City	Hudson	20.00	ft
	P200911004	SB-21 MW-7	09/14/09	10/08/09	Active	1507	25	Jersey City	Hudson	18.50	ft
	P200911005	SB-27/MW-8	09/14/09	10/08/09	Active	1507	25	Jersey City	Hudson	19.90	ft

	P200911006	SB-34 MW-10	09/14/09	10/08/09	Active	1507	25	Jersey City	Hudson	20.00	ft
	P200911391		09/21/09		Proposed	712	A-10	Jersey City	Hudson		
	P200911392		09/21/09		Proposed	712	A-10	Jersey City	Hudson		
	P200911421	SB-49/MW-11	09/21/09	10/13/09	Active	1507	25	Jersey City	Hudson	10.30	ft
	P200911422	SB51/MW-12	09/21/09	10/13/09	Active	1507	25	Jersey City	Hudson	15.30	ft
	P200911423	SB-62A/MW-13	09/21/09	10/13/09	Active	1507	25	Jersey City	Hudson	12.30	ft
	P200911424	SB-60/MW-14	09/21/09	10/10/09	Active	1507	25	Jersey City	Hudson	10.30	ft
	P200911425	SB63 MW-15	09/21/09	10/10/09	Active	1507	25	Jersey City	Hudson	15.30	ft
	P200911426	SB72 MW-16	09/21/09	10/10/09	Active	1507	25	Jersey City	Hudson	12.80	ft
	P200911529	MW-1	09/22/09	09/28/09	Active	1500	41	Jersey City	Hudson	13.00	ft
	P200911530	MW-2	09/22/09	09/29/09	Active	1500	41	Jersey City	Hudson	10.00	ft
	P200911531	MW-3	09/22/09	09/29/09	Active	1500	41	Jersey City	Hudson	10.00	ft
	P200911532	MW-P1	09/22/09	09/28/09	Active	1500	41	Jersey City	Hudson	10.00	ft
	P200911533	MW-P2	09/22/09	09/29/09	Active	1500	41	Jersey City	Hudson	10.00	ft
	P200911534	MW-P3	09/22/09	09/29/09	Active	1500	41	Jersey City	Hudson	10.00	ft
	P200911535	MW-204-3	09/22/09	09/28/09	Active	1500	41	Jersey City	Hudson	14.00	ft
	P200911862	MW-9	09/30/09	10/07/09	Active	PK	2066.1	Jersey City	Hudson	17.00	ft
	P200911966		10/01/09		Proposed	1290.A	9.H	Jersey City	Hudson		
	P200911967		10/01/09		Proposed	1290.A	9.H	Jersey City	Hudson		
	P200913020		10/23/09		Proposed	20	1885-5	Jersey City	Hudson		
	P200913623		11/05/09		Proposed	1290.1	2E	Jersey City	Hudson		
	P200913624		11/05/09		Proposed	1290.1	2E	Jersey City	Hudson		
	P200913625		11/05/09		Proposed	1290.1	2E	Jersey City	Hudson		
	P200913629		11/05/09		Proposed	1290.1	15D	Jersey City	Hudson		
	P200913630		11/05/09		Proposed	1290.1	15D	Jersey City	Hudson		
	P200913631		11/05/09		Proposed	1290.1	15D	Jersey City	Hudson		
	P200913632		11/05/09		Proposed	1290.1	15D	Jersey City	Hudson		
	P200913633		11/05/09		Proposed	1290.1	15D	Jersey City	Hudson		
	P200913634		11/05/09		Proposed	1290.1	15D	Jersey City	Hudson		
	P200913635		11/05/09		Proposed	1290.1	15D	Jersey City	Hudson		
	P200913636		11/05/09		Proposed	1290.1	15D	Jersey City	Hudson		
	P200913638		11/05/09		Proposed	1290.1	6	Jersey City	Hudson		
	P200913639		11/05/09		Proposed	1290.1	6	Jersey City	Hudson		
	P200913640		11/05/09		Proposed	1290.1	6	Jersey City	Hudson		
	P200913641		11/05/09		Proposed	1290.1	6	Jersey City	Hudson		
	P200913688		11/06/09		Proposed	573	18.B	Jersey City	Hudson		
	P200913987		11/12/09		Proposed	2020	4	Jersey City	Hudson		

	P200913988		11/12/09		Proposed	2020	4	Jersey City	Hudson		
	P200914754		12/08/09		Proposed	843	34	Jersey City	Hudson		
	P200915318		12/29/09		Proposed	1899	29	Jersey City	Hudson		
	P201000206		01/08/10		Proposed	1290.1	14J.H	Jersey City	Hudson		
	P201000207		01/08/10		Proposed	1290.1	14J.H	Jersey City	Hudson		
	P201000208		01/08/10		Proposed	1290.1	14J.H	Jersey City	Hudson		
	P201000649		01/26/10		Proposed	1948	21.D	Jersey City	Hudson		
	P201000650		01/26/10		Proposed	1948	40 & 41.A	Jersey City	Hudson		
	P201000651		01/26/10		Proposed	1948	40 & 41.A	Jersey City	Hudson		
	P201000652		01/26/10		Proposed	2040	D.2	Jersey City	Hudson		
	P201000653		01/26/10		Proposed	1948	36.A	Jersey City	Hudson		
Total Number	**2,147**										
Well Type	**Well Permit**	**Well Name**	**Permit Date**	**Drilling End Date**	**Status of well**	**Block**	**Lot**	**Municipality**	**County**	**Finished Depth**	**Units**
Monitoring Replacement	2600078687		03/14/06		Authorized	1275.1	1	Jersey City	Hudson		
	2600078688		03/14/06		Authorized	1275.1	1	Jersey City	Hudson		
Total Number	**2**										
Well Type	**Well Permit**	**Well Name**	**Permit Date**	**Drilling End Date**	**Status of well**	**Block**	**Lot**	**Municipality**	**County**	**Finished Depth**	**Units**
Other See Permit For Exact Use	P200904437	D18-11 (DBM-2)	04/21/09	05/22/09	Active	649.1	1	Jersey City	Hudson	85.00	ft
	P200904438	B1 (DBM-1)	04/21/09	05/18/09	Active	649.1	1	Jersey City	Hudson	95.00	ft
Total Number	**2**										
Well Type	**Well Permit**	**Well Name**	**Permit Date**	**Drilling End Date**	**Status of well**	**Block**	**Lot**	**Municipality**	**County**	**Finished Depth**	**Units**
Piezometer	2600012323	P13	01/26/88		Authorized	1494	2,2B,2G,	Jersey City	Hudson		
	2600012324	P-17	01/26/88		Authorized	1494	2,2B,2G,	Jersey City	Hudson		
	2600012325	P-12	01/26/88		Authorized	1494	2,2B,2G,	Jersey City	Hudson		
	2600012326	P-116	01/26/88		Authorized	1494	2,2B,2G,	Jersey City	Hudson		
	2600012327	P-10	01/26/88		Authorized	1494	2,2B,2G,	Jersey City	Hudson		
	2600012331	P19	01/26/88		Authorized	1494	2,2B,2G,	Jersey City	Hudson		
	2600012355	P-9	01/26/88		Authorized	1494	2,2B,2E,	Jersey City	Hudson		
	2600012356	P-7	01/26/88		Authorized	1494	2,2B,2E,	Jersey City	Hudson		

	2600012357	MW-27	01/26/88		Authorized	1494	2,2B,2E,	Jersey City	Hudson		
	2600012358	MW-20	01/26/88		Authorized	1494	2,2B,2E,	Jersey City	Hudson		
	2600012359	P-11	01/26/88		Authorized	1494	2,2B,2E,	Jersey City	Hudson		
	2600012360	MW21	01/26/88		Authorized	1494	2,2B,2E,	Jersey City	Hudson		
	2600012361	MW18A	01/26/88		Authorized	1494	2,2B,2E,	Jersey City	Hudson		
	2600012362	MW26	01/26/88		Authorized	1494	2,2B,2E,	Jersey City	Hudson		
	2600012363	MW-24	01/26/88		Authorized	1494	2,2B,2E,	Jersey City	Hudson		
	2600029894	TW1	06/25/92		Authorized	20.20	1A,4	Jersey City	Hudson		
	2600029895	TW2	06/25/92		Authorized	20.20	1A,4	Jersey City	Hudson		
	2600029896	TW3	06/25/92		Authorized	20.20	1A,4	Jersey City	Hudson		
	2600029897	TW-4	06/25/92		Authorized	20.20	1A,4	Jersey City	Hudson		
	2600050267	MW-1	03/17/98	04/02/98	Authorized	2101	5.C	Jersey City	Hudson	12.00	ft
	2600053229	PZ-1	03/04/99	03/17/99	Authorized	1500	30	Jersey City	Hudson	18.00	ft
	2600053230	PZ-2	03/04/99	03/17/99	Authorized	1500	30	Jersey City	Hudson	18.00	ft
	2600053231	PZ-3	03/04/99	03/17/99	Authorized	1500	30	Jersey City	Hudson	18.00	ft
	2600053232	PZ-4	03/04/99	03/17/99	Authorized	1500	30	Jersey City	Hudson	20.00	ft
	2600053233	PZ-5	03/04/99	03/17/99	Authorized	1500	30	Jersey City	Hudson	18.00	ft
	2600053422	PZ-1	03/22/99	04/20/99	Decommissioned	N/A	N/A	Jersey City	Hudson	65.00	ft
	2600053423	PZ-2	03/22/99	04/16/99	Decommissioned	N/A	N/A	Jersey City	Hudson	65.00	ft
	2600056117	PZ-1	12/06/99	02/09/00	Decommissioned	1510	Y	Jersey City	Hudson	20.00	ft
	2600056118	PZ-2	12/06/99	02/09/00	Decommissioned	1510	Y	Jersey City	Hudson	20.00	ft
	2600056119	PZ-3	12/06/99	02/09/00	Decommissioned	1510	Y	Jersey City	Hudson	15.00	ft
	2600057186	MW-1	04/13/00	04/24/00	Authorized	2086	24	Jersey City	Hudson	12.00	ft
	2600058117	B-2	07/11/00	07/12/00	Authorized	205	4A-34	Jersey City	Hudson	28.00	ft
	2600067874	PMW-1	05/12/03	06/17/03	Authorized	NA	NA	Jersey City	Hudson	26.50	ft
	2600067875	PMW-2	05/12/03	07/11/03	Authorized	NA	NA	Jersey City	Hudson	36.50	ft
	2600067876	PMW-3	05/12/03	07/08/03	Authorized	NA	NA	Jersey City	Hudson	40.00	ft
	2600068003	B-16A	05/28/03	08/07/03	Authorized	1288.1	14.02	Jersey City	Hudson	20.25	ft
	2600068004	B-16B	05/28/03	08/06/03	Authorized	1288.1	14.02	Jersey City	Hudson	21.75	ft
	2600068005	B-17A	05/28/03	01/06/04	Authorized	1288.1	14.02	Jersey City	Hudson	21.25	ft
	2600068006	B-17B	05/28/03	07/21/03	Authorized	1288.1	14.02	Jersey City	Hudson	22.00	ft
	2600068007	S-2H	05/28/03	07/30/03	Authorized	1288.1	14.02	Jersey City	Hudson	22.50	ft
	2600068008	S-2I	05/28/03	07/21/03	Authorized	1288.1	14.02	Jersey City	Hudson	21.50	ft
	2600068009	S-2-J	05/28/03	08/06/03	Authorized	1288.1	14.02	Jersey City	Hudson	20.25	ft
	2600068010	S-2K	05/28/03	08/06/03	Authorized	1288.1	14.02	Jersey City	Hudson	20.75	ft
	2600068011	B-18A	05/28/03	07/17/03	Authorized	1288.1	14.02	Jersey City	Hudson	23.00	ft
	2600068012	B-18B	05/28/03	07/18/03	Authorized	1288.1	14.02	Jersey City	Hudson	23.25	ft

	2600068013	B-18C	05/28/03	07/18/03	Authorized	1288.1	14.02	Jersey City	Hudson	21.75	ft
	2600068014	B-22A	05/28/03	07/14/03	Authorized	1288.1	14.02	Jersey City	Hudson	21.75	ft
	2600068015	B-22B	05/28/03	07/10/03	Authorized	1288.1	14.02	Jersey City	Hudson	22.75	ft
	2600068016	B-22C	05/28/03	07/10/03	Authorized	1288.1	14.02	Jersey City	Hudson	23.80	ft
	2600068017	S 2C	05/28/03	07/15/03	Authorized	1288.1	14.02	Jersey City	Hudson	22.50	ft
	2600068018	S2F	05/28/03	07/16/03	Authorized	1288.1	14.02	Jersey City	Hudson	22.70	ft
	2600068019	S2G	05/28/03	07/18/03	Authorized	1288.1	14.02	Jersey City	Hudson	22.75	ft
	2600068021	B-19A	05/28/03	07/31/03	Authorized	1288.1	14.02	Jersey City	Hudson	21.00	ft
	2600068022	B-19B	05/28/03	07/30/03	Authorized	1288.1	14.02	Jersey City	Hudson	21.00	ft
	2600068023	B-20A	05/28/03	07/29/03	Authorized	1288.1	14.02	Jersey City	Hudson	29.70	ft
	2600068024	B-20B	05/28/03	07/29/03	Authorized	1288.1	14.02	Jersey City	Hudson	22.00	ft
	2600068025	B-20C	05/28/03	07/15/03	Authorized	1288.1	14.02	Jersey City	Hudson	21.75	ft
	2600068026	S-2A	05/28/03	07/08/03	Authorized	1288.1	14.02	Jersey City	Hudson	22.00	ft
	2600068027	S2B	05/28/03	07/08/03	Authorized	1288.1	14.02	Jersey City	Hudson	21.50	ft
	2600068028	S2D	05/28/03	07/31/03	Authorized	1288.1	14.02	Jersey City	Hudson	21.50	ft
	2600068029	S2E	05/28/03	07/30/03	Authorized	1288.1	14.02	Jersey City	Hudson	21.50	ft
	2600068031	S1F	05/28/03	07/07/03	Authorized	1288.1	14.02	Jersey City	Hudson	21.50	ft
	2600068032	S1G	05/28/03	09/24/03	Authorized	1288.1	14.02	Jersey City	Hudson	17.25	ft
	2600068033	S1H	05/28/03	07/03/03	Authorized	1288.1	14.02	Jersey City	Hudson	22.50	ft
	2600068034	S1I	05/28/03	07/03/03	Authorized	1288.1	14.02	Jersey City	Hudson	22.00	ft
	2600068035	S1J	05/28/03	09/24/03	Authorized	1288.1	14.02	Jersey City	Hudson	16.50	ft
	2600068036	S1K	05/28/03	09/24/03	Authorized	1288.1	14.02	Jersey City	Hudson	17.00	ft
	2600068037	S1L	05/28/03	09/24/03	Authorized	1288.1	14.02	Jersey City	Hudson	19.50	ft
	2600068038	S1M	05/28/03	09/18/03	Authorized	1288.1	14.02	Jersey City	Hudson	18.25	ft
	2600068039	S1N	05/28/03	09/18/03	Authorized	1288.1	14.02	Jersey City	Hudson	15.00	ft
	2600068040	S1A	05/28/03	08/13/03	Authorized	1288.1	14.02	Jersey City	Hudson	17.75	ft
	2600068041	S1B	05/28/03	08/11/03	Authorized	1288.1	14.02	Jersey City	Hudson	20.25	ft
	2600068042	S1C	05/28/03	08/05/03	Authorized	1288.1	14.02	Jersey City	Hudson	21.75	ft
	2600068043	S1D	05/28/03	07/31/03	Authorized	1288.1	14.02	Jersey City	Hudson	21.50	ft
	2600068044	S1E	05/28/03	07/07/03	Authorized	1288.1	14.02	Jersey City	Hudson	21.50	ft
	2600068045	S1"O"	05/28/03	08/05/03	Authorized	1288.1	14.02	Jersey City	Hudson	22.00	ft
	2600068046	S1P	05/28/03	08/07/03	Authorized	1288.1	14.02	Jersey City	Hudson	23.00	ft
	2600068047	S1Q	05/28/03	08/07/03	Authorized	1288.1	14.02	Jersey City	Hudson	23.00	ft
	2600068048	S1R	05/28/03	08/12/03	Authorized	1288.1	14.02	Jersey City	Hudson	20.50	ft
	2600068049	S1S	05/28/03	08/12/03	Authorized	1288.1	14.02	Jersey City	Hudson	19.00	ft
	2600068524	S2L	07/21/03	07/22/03	Authorized	1288.1	14.02	Jersey City	Hudson	18.50	ft
	2600068525	S2M	07/21/03	07/22/03	Authorized	1288.1	14.02	Jersey City	Hudson	19.50	ft

	2600068526	S2N	07/21/03	07/22/03	Authorized	1288.1	14.02	Jersey City	Hudson	23.25	ft
	2600068527	B-23A	07/21/03	03/03/04	Authorized	1288.1	14.02	Jersey City	Hudson	19.50	ft
	2600068528	B-23B	07/21/03	03/11/04	Authorized	1288.1	14.02	Jersey City	Hudson	24.00	ft
	2600068529		07/21/03		Authorized	1288.1	14.02	Jersey City	Hudson		
	2600068530	B-24A	07/21/03	03/11/04	Authorized	1288.1	14.02	Jersey City	Hudson	23.00	ft
	2600068531	B-24B	07/21/03	02/10/04	Authorized	1288.1	14.02	Jersey City	Hudson	18.20	ft
	2600068532	B-24C	07/21/03	02/11/04	Authorized	1288.1	14.02	Jersey City	Hudson	17.50	ft
	2600068533	S3E	07/21/03	07/23/03	Authorized	1288.1	14.02	Jersey City	Hudson	22.00	ft
	2600069025		09/03/03		Authorized	2154	22, 23, 24	Jersey City	Hudson		
	2600069026		09/03/03		Authorized	2154	22, 23, 24	Jersey City	Hudson		
	2600069027		09/03/03		Authorized	2154	22, 23, 24	Jersey City	Hudson		
	2600069028		09/03/03		Authorized	2154	22, 23, 24	Jersey City	Hudson		
	2600069029		09/03/03		Authorized	2154	22, 23, 24	Jersey City	Hudson		
	2600069030		09/03/03		Authorized	2154	22, 23, 24	Jersey City	Hudson		
	2600069031		09/03/03		Authorized	2154	22, 23, 24	Jersey City	Hudson		
	2600069032		09/03/03		Authorized	2145	49J	Jersey City	Hudson		
	2600069033		09/03/03		Authorized	2145	49J	Jersey City	Hudson		
	2600069034		09/03/03		Authorized	2145	49J	Jersey City	Hudson		
	2600069035		09/03/03		Authorized	2145	49J	Jersey City	Hudson		
	2600069036		09/03/03		Authorized	2048	H3	Jersey City	Hudson		
	2600069355	PZ-1	09/30/03	10/08/03	Authorized	127.5	A	Jersey City	Hudson	20.00	ft
	2600069356	PZ-2	09/30/03	10/08/03	Authorized	127.5	A	Jersey City	Hudson	20.00	ft
	2600069357	PZ-3	09/30/03	10/08/03	Authorized	127.5	A	Jersey City	Hudson	20.00	ft
	2600069358	PZ-4	09/30/03	10/08/03	Authorized	127.5	A	Jersey City	Hudson	20.00	ft
	2600069665	S4B	11/05/03	12/30/03	Authorized	1288.1	14.02	Jersey City	Hudson	29.50	ft
	2600069666	S4C	11/05/03	12/15/03	Authorized	1288.1	14.02	Jersey City	Hudson	22.00	ft
	2600069667	S4D	11/05/03	12/12/03	Authorized	1288.1	14.02	Jersey City	Hudson	22.00	ft
	2600069668	S4E	11/05/03	12/04/03	Authorized	1288.1	14.02	Jersey City	Hudson	22.00	ft
	2600069669	B9B	11/05/03	12/16/03	Authorized	1288.1	14.02	Jersey City	Hudson	21.30	ft
	2600069670	B9A	11/05/03	12/16/03	Authorized	1288.1	14.02	Jersey City	Hudson	22.00	ft
	2600069671	B9C	11/05/03	12/18/03	Authorized	1288.1	14.02	Jersey City	Hudson	21.50	ft
	2600069672	B10A	11/05/03	12/08/03	Authorized	1288.1	14.02	Jersey City	Hudson	12.50	ft
	2600069673	B10B	11/05/03	12/04/03	Authorized	1288.1	14.02	Jersey City	Hudson	22.50	ft
	2600069674	B10C	11/05/03	12/03/03	Authorized	1288.1	14.02	Jersey City	Hudson	21.75	ft
	2600069675	B7C	11/05/03	12/09/03	Authorized	1288.1	14.02	Jersey City	Hudson	28.80	ft
	2600069676	B7B	11/05/03	12/01/03	Authorized	1288.1	14.02	Jersey City	Hudson	21.50	ft
	2600069677	B7A	11/05/03	12/02/03	Authorized	1288.1	14.02	Jersey City	Hudson	21.75	ft

	2600069678	B8A	11/05/03	12/19/03	Authorized	1288.1	14.02	Jersey City	Hudson	21.75	ft
	2600069679	B8B	11/05/03	12/22/03	Authorized	1288.1	14.02	Jersey City	Hudson	20.00	ft
	2600069680	B8C	11/05/03	12/22/03	Authorized	1288.1	14.02	Jersey City	Hudson	20.50	ft
	2600069681		11/05/03		Authorized	1288.1	14.02	Jersey City	Hudson		
	2600069682		11/05/03		Authorized	1288.1	14.02	Jersey City	Hudson		
	2600069683		11/05/03		Authorized	1288.1	14.02	Jersey City	Hudson		
	2600069684	S4A	11/05/03	12/23/03	Authorized	1288.1	14.02	Jersey City	Hudson	20.00	ft
	2600069685	B11A	11/05/03	12/12/03	Authorized	1288.1	14.02	Jersey City	Hudson	21.75	ft
	2600069686	B-11B	11/05/03	12/10/03	Authorized	1288.1	14.02	Jersey City	Hudson	22.00	ft
	2600069687	B11C	11/05/03	12/09/03	Authorized	1288.1	14.02	Jersey City	Hudson	21.50	ft
	2600069688	B12A	11/05/03	11/10/03	Authorized	1288.1	14.02	Jersey City	Hudson	20.00	ft
	2600069689	B12B	11/05/03	11/10/03	Authorized	1288.1	14.02	Jersey City	Hudson	19.50	ft
	2600069690	B-13A	11/05/03	01/06/04	Authorized	1288.1	14.02	Jersey City	Hudson	23.00	ft
	2600069691	B-13B	11/05/03	12/31/03	Authorized	1288.1	14.02	Jersey City	Hudson	22.50	ft
	2600069692	B-13C	11/05/03	01/06/04	Authorized	1288.1	14.02	Jersey City	Hudson	23.00	ft
	2600069693		11/05/03		Authorized	1288.1	14.02	Jersey City	Hudson		
	2600069694		11/05/03		Authorized	1288.1	14.02	Jersey City	Hudson		
	2600069695		11/05/03		Authorized	1288.1	14.02	Jersey City	Hudson		
	2600069696		11/05/03		Authorized	1288.1	14.02	Jersey City	Hudson		
	2600069697		11/05/03		Authorized	1288.1	14.02	Jersey City	Hudson		
	2600069698		11/05/03		Authorized	1288.1	14.02	Jersey City	Hudson		
	2600069699		11/05/03		Authorized	1288.1	14.02	Jersey City	Hudson		
	2600069700		11/05/03		Authorized	1288.1	14.02	Jersey City	Hudson		
	2600069701		11/05/03		Authorized	1288.1	14.02	Jersey City	Hudson		
	2600069702		11/05/03		Authorized	1288.1	14.02	Jersey City	Hudson		
	2600069703		11/05/03		Authorized	1288.1	14.02	Jersey City	Hudson		
	2600069704		11/05/03		Authorized	1288.1	14.02	Jersey City	Hudson		
	2600069864		11/24/03		Authorized	1290.1	14J, 14H	Jersey City	Hudson		
	2600070582		02/24/04		Authorized	1288.1	14.02	Jersey City	Hudson		
	2600070583		02/24/04		Authorized	1288.1	14.02	Jersey City	Hudson		
	2600070584		02/24/04		Authorized	1288.1	14.02	Jersey City	Hudson		
	2600070585		02/24/04		Authorized	1288.1	14.02	Jersey City	Hudson		
	2600070586		02/24/04		Authorized	1288.1	14.02	Jersey City	Hudson		
	2600070587		02/24/04		Authorized	1288.1	14.02	Jersey City	Hudson		
	2600070588		02/24/04		Authorized	1288.1	14.02	Jersey City	Hudson		
	2600070589		02/24/04		Authorized	1288.1	14.02	Jersey City	Hudson		
	2600070590		02/24/04		Authorized	1288.1	14.02	Jersey City	Hudson		

	2600070591		02/24/04		Authorized	1288.1	14.02	Jersey City	Hudson		
	2600070592	B-25A	02/24/04	03/05/04	Authorized	1288.1	14.02	Jersey City	Hudson	21.75	ft
	2600070593	B-25B	02/24/04	03/03/04	Authorized	1288.1	14.02	Jersey City	Hudson	21.75	ft
	2600070594	B 25C	02/24/04	03/04/04	Authorized	1288.1	14.02	Jersey City	Hudson	22.80	ft
	2600070595		02/24/04		Authorized	1288.1	14.02	Jersey City	Hudson		
	2600070596		02/24/04		Authorized	1288.1	14.02	Jersey City	Hudson		
	2600070597	B-29D	02/24/04	03/17/04	Authorized	1288.1	14.02	Jersey City	Hudson	23.75	ft
	2600070598	S3C	02/24/04	03/16/04	Authorized	1288.1	14.02	Jersey City	Hudson	24.50	ft
	2600070599	S3D	02/24/04	03/05/04	Authorized	1288.1	14.02	Jersey City	Hudson	19.80	ft
	2600070600	S3H	02/24/04	03/17/04	Authorized	1288.1	14.02	Jersey City	Hudson	21.00	ft
	2600070601	S3I	02/24/04	03/09/04	Authorized	1288.1	14.02	Jersey City	Hudson	19.50	ft
	2600070677	PP160+00	03/02/04	03/26/04	Authorized	1200	42	Jersey City	Hudson	20.00	ft
	2600070678	PP168+20	03/02/04	03/25/04	Authorized	1200	42	Jersey City	Hudson	21.00	ft
	2600070899	B-13CA (B-12B-1P)	03/30/04	04/28/04	Authorized	1288.1	14.02	Jersey City	Hudson	36.50	ft
	2600070900	B-19AA (B-9 B-1)	03/30/04	04/30/04	Authorized	1288.1	14.02	Jersey City	Hudson	32.00	ft
	2600070901	B-20B (B-10 A 1 P)	03/30/04	04/29/04	Authorized	1288.1	14.02	Jersey City	Hudson	36.00	ft
	2600070902	13AA (B-12 B-1)	03/30/04	04/28/04	Authorized	1288.1	14.02	Jersey City	Hudson	36.50	ft
	2600070918	115 PZ01 (AKA-P1B)	04/05/04	06/18/04	Authorized	1290.1	14J,H	Jersey City	Hudson	16.50	ft
	2600070919	115PZ04 (AKA P2B)	04/05/04	06/18/04	Authorized	1290.1	14J,H	Jersey City	Hudson	16.50	ft
	2600070920	115PZ06 (AKA P3B)	04/05/04	06/18/04	Authorized	1290.1	14J,H	Jersey City	Hudson	16.50	ft
	2600070931	115PZ02	04/05/04	06/21/04	Authorized	1290.1	14J,H	Jersey City	Hudson	16.50	ft
	2600070932	115PZ03	04/05/04	06/21/04	Authorized	1290.1	14J,H	Jersey City	Hudson	16.40	ft
	2600070933	115PZ05	04/05/04	06/21/04	Authorized	1290.1	14J,H	Jersey City	Hudson	17.00	ft
	2600071100	B6 P	05/04/04	05/14/04	Authorized	205	34	Jersey City	Hudson	15.00	ft
	2600071107		05/05/04		Authorized	1290.1	14J, 14H	Jersey City	Hudson		
	2600071108		05/05/04		Authorized	1290.1	14J, 14H	Jersey City	Hudson		
	2600071109		05/05/04		Authorized	1290.1	14J, 14H	Jersey City	Hudson		
	2600071110		05/05/04		Authorized	1290.1	14J, 14H	Jersey City	Hudson		
	2600071111		05/05/04		Authorized	1290.1	14J, 14H	Jersey City	Hudson		
	2600071112		05/05/04		Authorized	1290.1	14J, 14H	Jersey City	Hudson		
	2600071113		05/05/04		Authorized	1290.1	14J, 14H	Jersey City	Hudson		
	2600071114		05/05/04		Authorized	1290.1	14J, 14H	Jersey City	Hudson		
	2600071115		05/05/04		Authorized	1290.1	14J, 14H	Jersey City	Hudson		
	2600071116		05/05/04		Authorized	1290.1	14J, 14H	Jersey City	Hudson		
	2600071168	PZ-1	05/11/04	05/20/04	Authorized	N/A	N/A	Jersey City	Hudson	15.00	ft
	2600073073	BP-1-B-2	11/30/04	02/04/05	Authorized	N/A	N/A	Jersey City	Hudson	20.00	ft

	2600073670	11S-PZ-08	01/27/05	03/01/05	Authorized	1290.1	14J,H	Jersey City	Hudson	17.00	ft
	2600073671	115-PZ-07	01/27/05	03/02/05	Authorized	1290.1	14J,H	Jersey City	Hudson	16.00	ft
	2600074694	VP-1	04/21/05	05/02/05	Authorized	287	A2	Jersey City	Hudson	7.00	ft
	2600074695	VP-2	04/21/05	05/02/05	Authorized	287	A2	Jersey City	Hudson	7.00	ft
	2600075906	PZ-1	07/18/05	07/25/05	Authorized	649.1	1	Jersey City	Hudson	10.00	ft
	2600075907	PZ-2	07/18/05	07/25/05	Authorized	649.1	1	Jersey City	Hudson	10.00	ft
	2600076392		08/08/05		Authorized	1286.5	1,2	Jersey City	Hudson		
	2600076393	LB-11	08/08/05	08/12/05	Authorized	1286.5	1,2	Jersey City	Hudson	25.00	ft
	2600076471	B-1P	08/15/05	09/13/05	Authorized	15	47	Jersey City	Hudson	22.00	ft
	2600076979	pz-1	10/04/05	10/20/05	Authorized	2026.1	3A,3B,4A	Jersey City	Hudson	20.00	ft
	2600076980	PZ-2	10/04/05	10/11/05	Authorized	2026.1	3A,3B,4A	Jersey City	Hudson	18.00	ft
	2600076981	PZ-3	10/04/05	10/11/05	Authorized	2026.1	3A,3B,4A	Jersey City	Hudson	16.00	ft
	2600076982	PZ-4	10/04/05	10/11/05	Authorized	2026.1	3A,3B,4A	Jersey City	Hudson	16.50	ft
	2600077017	PZ-13	10/05/05	10/19/05	Authorized	2026.1	2A	Jersey City	Hudson	17.00	ft
	2600077018	PZ-14	10/05/05	10/19/05	Authorized	2026.1	2A	Jersey City	Hudson	20.00	ft
	2600077019	PZ-25	10/05/05	10/19/05	Authorized	2026.1	2A	Jersey City	Hudson	18.00	ft
	2600077020	PZ-26	10/05/05	10/18/05	Authorized	2026.1	2A	Jersey City	Hudson	18.00	ft
	2600077021	PZ-27	10/05/05	10/18/05	Authorized	2026.1	2A	Jersey City	Hudson	17.00	ft
	2600077022	PZ-8	10/05/05	10/21/05	Authorized	2026.1	2A	Jersey City	Hudson	17.00	ft
	2600077023	PZ-9	10/05/05	10/21/05	Authorized	2026.1	2A	Jersey City	Hudson	15.00	ft
	2600077024	PZ-10	10/05/05	10/19/05	Authorized	2026.1	2A	Jersey City	Hudson	19.00	ft
	2600077025	PZ-11	10/05/05	10/19/05	Authorized	2026.1	2A	Jersey City	Hudson	18.00	ft
	2600077026	PZ-12	10/05/05	10/19/05	Authorized	2026.1	2A	Jersey City	Hudson	18.00	ft
	2600080054	MW-1	07/19/06	08/15/06	Authorized	430	26	Jersey City	Hudson	13.00	ft
	2600080103	OW-1	07/24/06	08/10/06	Authorized	2026A	1	Jersey City	Hudson	16.00	ft
	2600080104	OW-2	07/24/06	08/10/06	Authorized	2026A	1	Jersey City	Hudson	16.00	ft
	2600080965	M-161P	10/05/06	11/29/06	Authorized	1497	28 & 29	Jersey City	Hudson	20.00	ft
	2600080966	M-167P	10/05/06	11/16/06	Authorized	1497	28 & 29	Jersey City	Hudson	19.00	ft
	2600080967	M-106P	10/05/06	11/06/06	Authorized	1497	28 & 29	Jersey City	Hudson	20.00	ft
	2600080968	M-126-P	10/05/06	10/30/06	Authorized	1497	28 & 29	Jersey City	Hudson	20.00	ft
	2600081714		12/19/06		Authorized	1277.5	31, 35	Jersey City	Hudson		
	2600081715		12/19/06		Authorized	1277.5	31, 35	Jersey City	Hudson		
	2600083268	PE-204	04/25/07	05/31/07	Authorized	58	4	Jersey City	Hudson	18.00	ft
	2600083269	PE-201	04/25/07	05/03/07	Authorized	ROW	ROW	Jersey City	Hudson	22.00	ft
	2600083993		06/21/07		Authorized	1290.1	14J,H	Jersey City	Hudson		
	2600083994		06/21/07		Authorized	1290.1	14J,H	Jersey City	Hudson		
	2600083995		06/21/07		Authorized	1290.1	14J,H	Jersey City	Hudson		

	2600086326	PZ-2R	01/28/08	03/04/08	Decommissioned	606	0001B	Jersey City	Hudson	15.00	ft
	2600086327	PZ-3R	01/28/08	03/04/08	Decommissioned	606	0001B	Jersey City	Hudson	15.00	ft
	2600086328	PZ-5R	01/28/08	03/04/08	Decommissioned	606	0001B	Jersey City	Hudson	15.00	ft
	2600086329	PZ-6R	01/28/08	03/04/08	Decommissioned	606	0001B	Jersey City	Hudson	15.00	ft
	2600086330	PZ-7	01/28/08	03/04/08	Decommissioned	606	0001B	Jersey City	Hudson	15.00	ft
	2600086331	PZ-8	01/28/08	03/04/08	Decommissioned	606	0001B	Jersey City	Hudson	15.00	ft
	2600086332	PZ-9	01/28/08	03/04/08	Decommissioned	606	0001B	Jersey City	Hudson	15.00	ft
	2600086727	PZ-1R	03/04/08	03/04/08	Decommissioned	606	0002B	Jersey City	Hudson	15.00	ft
	2600086769		03/05/08		Authorized	1639-1	5C	Jersey City	Hudson		
	2600086770		03/05/08		Authorized	1639-1	5C	Jersey City	Hudson		
	2600086771		03/05/08		Authorized	1639-1	5C	Jersey City	Hudson		
	2600086772		03/05/08		Authorized	1639-1	5C	Jersey City	Hudson		
	2600086960	P-1	03/25/08	04/01/08	Authorized	139	1-1	Jersey City	Hudson	20.00	ft
	2600086961	P-2	03/25/08	04/02/08	Authorized	139	1-1	Jersey City	Hudson	35.00	ft
	2600087351	PZ1	05/05/08	05/20/08	Decommissioned	1200	3B	Jersey City	Hudson	60.00	ft
	2600087377	PZ-1	05/07/08	05/19/08	Decommissioned	1200	3B	Jersey City	Hudson	60.00	ft
	P200801589	088-PZ-001 SHALLOW	10/09/08	11/12/08	Active	1290.1	2E / 2D	Jersey City	Hudson	12.00	ft
	P200801590	088-PZ-002 DEEP	10/09/08	11/14/08	Active	1290.1	2E / 2D	Jersey City	Hudson	25.00	ft
	P200801591	088-PZ-003 SHALLOW	10/09/08	11/06/08	Active	1290.1	2E / 2D	Jersey City	Hudson	15.50	ft
	P200801592	088-PZ-004 DEEP	10/09/08	11/13/08	Active	1290.1	2E / 2D	Jersey City	Hudson	27.50	ft
	P200801593	087-PZ-001 SHALLOW	10/09/08	11/10/08	Active	1290.1	2E / 2D	Jersey City	Hudson	22.00	ft
	P200801594	087-PZ-002 DEEP	10/09/08	11/13/08	Active	1290.1	2E / 2D	Jersey City	Hudson	36.00	ft
	P200801595	087-PZ-003 SHALLOW	10/09/08	11/13/08	Active	1290.1	2E / 2D	Jersey City	Hudson	18.00	ft
	P200801596	087-PZ-004 DEEP	10/09/08	11/14/08	Active	1290.1	2E / 2D	Jersey City	Hudson	29.00	ft
	P200801597	087-PZ-005 SHALLOW	10/09/08	11/07/08	Active	1290.1	2E / 2D	Jersey City	Hudson	20.50	ft
	P200801598	087-PZ-006 DEEP	10/09/08	11/13/08	Active	1290.1	2E / 2D	Jersey City	Hudson	36.00	ft
Total Number	**255**										
Well Type	**Well Permit**	**Well Name**	**Permit Date**	**Drilling End Date**	**Status of well**	**Block**	**Lot**	**Municipality**	**County**	**Finished Depth**	**Units**
Recovery	2600017186	MW39	08/08/89		Authorized	1497	3	Jersey City	Hudson		
	2600017187	MW38	08/08/89		Authorized	1494,	2,2B,2R	Jersey City	Hudson		
	2600017188	MW23	08/08/89		Authorized	1494,	2,2B,2R	Jersey City	Hudson		
	2600017189	MW31	08/08/89		Authorized	1494,	2,2B,2R	Jersey City	Hudson		

	2600017925	RW-1	10/24/89		Decommissioned	1378	F9	Jersey City	Hudson		
	2600035242	RW-1	11/16/93	11/19/93	Decommissioned	1253	36	Jersey City	Hudson	20.00	ft
	2600068995		08/28/03		Authorized	1888	13.6	Jersey City	Hudson		
	2600070302	S3	02/17/04	04/05/04	Authorized	1497	3M2	Jersey City	Hudson	23.00	ft
	2600070303	S4	02/17/04	04/05/04	Authorized	1497	3M2	Jersey City	Hudson	22.00	ft
	2600070921	115RW01	04/05/04	06/18/04	Authorized	1290.1	14J,H	Jersey City	Hudson	16.00	ft
	2600070922	115RW02	04/05/04	06/18/04	Authorized	1290.1	14J,H	Jersey City	Hudson	16.00	ft
	2600070923	115 RW03	04/05/04	06/18/04	Authorized	1290.1	14J,H	Jersey City	Hudson	16.50	ft
	2600070924	115RW04	04/05/04	06/17/04	Authorized	1290.1	14J,H	Jersey City	Hudson	17.00	ft
	2600070925	115RW05	04/05/04	06/17/04	Authorized	1290.1	14J,H	Jersey City	Hudson	16.50	ft
	2600070926	115RW06	04/05/04	06/17/04	Authorized	1290.1	14J,H	Jersey City	Hudson	16.50	ft
	2600070927	115 RW07	04/05/04	06/17/04	Authorized	1290.1	14J,H	Jersey City	Hudson	16.50	ft
	2600070928	115 RW 08	04/05/04	06/16/04	Authorized	1290.1	14J,H	Jersey City	Hudson	16.50	ft
	2600070929	RW-9	04/05/04	06/16/04	Authorized	1290.1	14J,H	Jersey City	Hudson	16.50	ft
	2600070930	115RW10	04/05/04	06/16/04	Authorized	1290.1	14J,H	Jersey City	Hudson	16.50	ft
	2600070963	SUMP1	04/07/04	04/10/04	Authorized	1497	3M2	Jersey City	Hudson	17.00	ft
	2600070964	SUMP2	04/07/04	04/10/04	Authorized	1497	3M2	Jersey City	Hudson	15.00	ft
	2600071097	PPG7-P1	05/04/04	05/07/04	Authorized	2026.1	1	Jersey City	Hudson	10.00	ft
	2600071387	SUMP5	06/04/04	06/17/04	Authorized	1500	21.01	Jersey City	Hudson	17.00	ft
	2600071388	SUMP6	06/04/04	06/17/04	Authorized	1500	21.01	Jersey City	Hudson	18.00	ft
	2600073716	WP12	02/02/05	03/10/05	Authorized	1290A	14H	Jersey City	Hudson	17.00	ft
	2600073717	WP11	02/02/05	03/10/05	Authorized	1290A	14H	Jersey City	Hudson	17.00	ft
	2600073718	WP10	02/02/05	03/10/05	Authorized	1290A	14H	Jersey City	Hudson	17.00	ft
	2600073719	WP15	02/02/05	03/10/05	Authorized	1290A	14H	Jersey City	Hudson	17.00	ft
	2600073720	wp14	02/02/05	03/10/05	Authorized	1290A	14H	Jersey City	Hudson	16.00	ft
	2600073721	WP13	02/02/05	03/11/05	Authorized	1290A	14H	Jersey City	Hudson	16.00	ft
	2600073722	WP18	02/02/05	03/10/05	Authorized	1290A	14H	Jersey City	Hudson	16.00	ft
	2600073723	WP17	02/02/05	03/11/05	Authorized	1290A	14H	Jersey City	Hudson	16.00	ft
	2600073724	WP16	02/02/05	03/11/05	Authorized	1290A	14H	Jersey City	Hudson	16.00	ft
	2600073725	WP9	02/02/05	03/09/05	Authorized	1290A	14H	Jersey City	Hudson	17.00	ft
	2600073726	WP8	02/02/05	03/09/05	Authorized	1290A	14H	Jersey City	Hudson	17.00	ft
	2600073727	WP7	02/02/05	03/09/05	Authorized	1290A	14H	Jersey City	Hudson	17.00	ft
	2600073728	WP2	02/02/05	03/09/05	Authorized	1290A	14H	Jersey City	Hudson	17.00	ft
	2600073729	WP6	02/02/05	03/09/05	Authorized	1290A	14H	Jersey City	Hudson	17.00	ft
	2600073730	WP5	02/02/05	05/16/05	Authorized	1290A	14H	Jersey City	Hudson	17.00	ft
	2600073731	WP1	02/02/05	03/08/05	Authorized	1290A	14H	Jersey City	Hudson	17.00	ft
	2600073732	WP4	02/02/05	03/08/05	Authorized	1290A	14H	Jersey City	Hudson	17.00	ft

	2600073733	WP3	02/02/05	03/08/05	Authorized	1290A	14H	Jersey City	Hudson	17.00	ft
	2600074034	RW-1	03/01/05		Decommissioned	784	68	Jersey City	Hudson		
	2600075164		05/19/05		Authorized	1497	22	Jersey City	Hudson		
	2600075165		05/19/05		Authorized	1497	22	Jersey City	Hudson		
	2600075197	MW-3R	05/24/05	06/17/05	Authorized	1774	76	Jersey City	Hudson	20.00	ft
	2600075213	SUMP 3A	05/24/05	05/24/05	Authorized	1497	22	Jersey City	Hudson	27.00	ft
	2600075214	SUMP 3B	05/24/05	05/24/05	Authorized	1497	22	Jersey City	Hudson	21.00	ft
	2600080442	MW-1	08/24/06	09/19/06	Authorized	1803	13	Jersey City	Hudson	12.00	ft
	2600082028		01/22/07		Authorized	1751	10.K1	Jersey City	Hudson		
	2600082029		01/22/07		Authorized	1751	10.K1	Jersey City	Hudson		
	P200801957	DPVE9	10/20/08	11/04/08	Active	ROW	ROW	Jersey City	Hudson	15.00	ft
	P200801958	MW-DPUE10	10/20/08	11/04/08	Active	ROW	ROW	Jersey City	Hudson	15.00	ft
	P200802091	DPVE-5	10/21/08	11/03/08	Active	799	17-20	Jersey City	Hudson	15.00	ft
	P200802092	DPVE-6	10/21/08	11/04/08	Active	799	17-20	Jersey City	Hudson	13.00	ft
	P200802093	DPVE-7	10/21/08	11/04/08	Active	799	17-20	Jersey City	Hudson	15.00	ft
	P200802094	DPVE-8	10/21/08	11/04/08	Active	799	17-20	Jersey City	Hudson	13.00	ft
	P200802095	DPVE-1	10/21/08	11/05/08	Active	799	17-20	Jersey City	Hudson	15.00	ft
	P200802096	DPVE-2	10/21/08	11/05/08	Active	799	17-20	Jersey City	Hudson	15.00	ft
	P200802097	DPVE-3	10/21/08	11/05/08	Active	799	17-20	Jersey City	Hudson	15.00	ft
	P200802098	DPVE-4	10/21/08	11/05/08	Active	799	17-20	Jersey City	Hudson	15.00	ft
Total Number	**61**										

Well Type	Well Permit	Well Name	Permit Date	Drilling End Date	Status of well	Block	Lot	Municipality	County	Finished Depth	Units
Soil Vapor Extraction	2600082695		03/14/07		Authorized	131	23 & 1	Jersey City	Hudson		
	2600082696		03/14/07		Authorized	131	23 & 1	Jersey City	Hudson		
	2600082697		03/14/07		Authorized	131	23 & 1	Jersey City	Hudson		
	2600082698		03/14/07		Authorized	131	23 & 1	Jersey City	Hudson		
	2600082699		03/14/07		Authorized	131	23 & 1	Jersey City	Hudson		
	2600082700		03/14/07		Authorized	131	23 & 1	Jersey City	Hudson		
	2600082701		03/14/07		Authorized	131	23 & 1	Jersey City	Hudson		
	2600082702		03/14/07		Authorized	131	23 & 1	Jersey City	Hudson		
	2600082703		03/14/07		Authorized	131	23 & 1	Jersey City	Hudson		
	2600082704		03/14/07		Authorized	131	23 & 1	Jersey City	Hudson		
	2600085498		11/01/07		Authorized	799	17-20	Jersey City	Hudson		
	2600085499		11/01/07		Authorized	799	17-20	Jersey City	Hudson		

	2600085500		11/01/07		Authorized	799	17-20	Jersey City	Hudson		
	2600085501		11/01/07		Authorized	799	17-20	Jersey City	Hudson		
	2600085502		11/01/07		Authorized	799	17-20	Jersey City	Hudson		
	2600085503		11/01/07		Authorized	799	17-20	Jersey City	Hudson		
	2600085504		11/01/07		Authorized	799	17-20	Jersey City	Hudson		
	2600085505		11/01/07		Authorized	799	17-20	Jersey City	Hudson		
	P200801507	087-SB-408	10/09/08	11/10/08	Active	1290.1	2E / 2D	Jersey City	Hudson	10.00	ft
	P200801508	087-SB-409	10/09/08	11/12/08	Active	1290.1	2E / 2D	Jersey City	Hudson	8.50	ft
	P200801509	087-SB-410	10/09/08	11/12/08	Active	1290.1	2E / 2D	Jersey City	Hudson	8.50	ft
	P200801510	088-SB-306	10/09/08	11/11/08	Active	1290.1	2E / 2D	Jersey City	Hudson	7.50	ft
	P200913626		11/05/09		Proposed	1290.1	15D	Jersey City	Hudson		
	P200913627		11/05/09		Proposed	1290.1	15D	Jersey City	Hudson		
	P200913628		11/05/09		Proposed	1290.1	15D	Jersey City	Hudson		
	P200913637		11/05/09		Proposed	1290.1	6	Jersey City	Hudson		
Total Number	**26**										
Well Type	**Well Permit**	**Well Name**	**Permit Date**	**Drilling End Date**	**Status of well**	**Block**	**Lot**	**Municipality**	**County**	**Finished Depth**	**Units**
Test	2600005241	WELL #2	08/26/81		Decommissioned	36	1200	Jersey City	Hudson		
Total Number	**1**										

The status of wells is not necessarily available for wells permitted prior to 2004. Authorized means the Permit was approved

Date Drilled and well depths are only available for wells that have had the well record submitted and entered into the database.

Well Permit numbers. After Sept 2008 the format of the well permit number was changed to accommodate the submission of online well permitting applications. The letter P (denotes a paper application) and E (denotes an electronic application) followed by the year and a consecutive number. Prior to September 2008 the permit numbers were based in the NJ Atlas Grid system.

Please note that this is NOT a Well Registry Report but a report on Well Permits issued by the Department and reflects the data provided in the permit and well record at the time of document submission and may not reflect the current information on lot and block, address or construction or ownership of the wells.

Well permits that were cancelled by the applicant (never constructed) or rescinded by the Department (prior to construction) are not displayed in the report.

Please note that if "REDACTED" appears in the report it means that the information is not available over the internet, but can be provided upon written request to the Bureau of Water Systems and Well Permitting.

Please refer to information available at:http://www.state.nj.us/dep/watersupply/well.htm for more information regarding detailed well searches if this report does not provide the information you need.

Well Type	Well Permit	Well Name	Permit Date	Drilling End Date	Status of well	Block	Lot	Municipality	County	Finished Depth	Units
Boring/Individual	2600037242	BH-29	06/15/94	06/20/94	Decommissioned	64	10	Weehawken Twp	Hudson	179.00	ft
	2600037243	BH-29A	06/15/94	06/25/94	Decommissioned	N/A	N/A	Weehawken Twp	Hudson	159.00	ft
	2600037244	BH-28	06/15/94	05/16/94	Decommissioned	N/A	N/A	Weehawken Twp	Hudson	93.00	ft
	2600038666	B-1	11/02/94	11/17/94	Authorized	14	1	Weehawken Twp	Hudson	42.00	ft
	2600038667	B-2	11/02/94	11/16/94	Authorized	14	1	Weehawken Twp	Hudson	27.00	ft
	2600040673	NA-02A	05/11/95	05/17/95	Decommissioned	4	F.2	Weehawken Twp	Hudson	22.00	ft
	2600043783	BN20-02	03/11/96	01/05/97	Decommissioned	NA	NA	Weehawken Twp	Hudson		
	2600045596	BN20-15	09/10/96	09/12/96	Decommissioned	N/A	N/A	Weehawken Twp	Hudson		

	2600053083	B-5	02/19/99	07/30/99	Decommissioned	45.01	4.01	Weehawken Twp	Hudson	40.00	ft
	2600056124	B-1-3	12/07/99	12/16/99	Authorized	12	2,3,4,5	Weehawken Twp	Hudson	55.00	ft
	2600056867	BLANKET	03/14/00	05/23/00	Authorized	N/A	N/A	Weehawken Twp	Hudson	32.00	ft
	2600058259	B-300	07/27/00	11/06/00	Decommissioned	45.01	4.01	Weehawken Twp	Hudson	90.00	ft
	2600061551	B1	06/08/01	06/21/01	Decommissioned	34.01	2	Weehawken Twp	Hudson	33.00	ft
	2600062248	B-1	08/10/01	08/25/01	Decommissioned	31A	1	Weehawken Twp	Hudson	36.00	ft
	2600063323	B-404	12/26/01	05/07/02	Authorized	34.03	2.05	Weehawken Twp	Hudson	60.00	ft
	2600063338	B-2	12/27/01	01/04/02	Decommissioned	45.01	2.01	Weehawken Twp	Hudson	111.00	ft
	2600063339	B-1	12/27/01	01/02/02	Decommissioned	45.01	2.01	Weehawken Twp	Hudson	131.00	ft
	2600065684	SITE B-1605	09/12/02	09/30/02	Authorized	6401	101	Weehawken Twp	Hudson	50.00	ft
	2600067592		04/17/03		Authorized	34.03	2.05 & 4.21	Weehawken Twp	Hudson		
	2600067593		04/17/03		Authorized	34.03	2.05 & 4.21	Weehawken Twp	Hudson		
	2600074847		04/27/05		Authorized	29	62	Weehawken Twp	Hudson		
	2600078049	B-1	01/11/06	04/03/06	Authorized	N/A	N/A	Weehawken Twp	Hudson	11.00	ft
	2600078050	B-2	01/11/06	04/06/06	Authorized	N/A	N/A	Weehawken Twp	Hudson	16.00	ft
	2600078051	B-3	01/11/06	04/07/06	Authorized	N/A	N/A	Weehawken Twp	Hudson	17.00	ft
	2600078822	B-1	03/30/06	06/19/06	Authorized	34.03	4.21	Weehawken Twp	Hudson	65.00	ft
	2600078823	B-2	03/30/06	06/22/06	Authorized	34.03	4.21	Weehawken Twp	Hudson	61.00	ft
	2600079150	CE-1	05/04/06	07/24/06	Authorized	143	3	Weehawken Twp	Hudson	140.00	ft
	2600079151	CE-2	05/04/06	07/27/06	Authorized	143	3	Weehawken Twp	Hudson	145.00	ft
	2600081236	B-1	10/30/06	01/30/07	Authorized	34.03	4.21	Weehawken Twp	Hudson	95.00	ft
	2600081237	B-2	10/30/06	01/29/07	Authorized	34.03	4.21	Weehawken Twp	Hudson	95.00	ft
	2600081238	B-3	10/30/06	01/31/07	Authorized	34.03	4.21	Weehawken Twp	Hudson	102.00	ft
	2600081239	B-4	10/30/06	02/01/07	Authorized	34.03	4.21	Weehawken Twp	Hudson	99.50	ft
	2600082366	B-1	02/15/07	01/17/08	Decommissioned	ROW	ROW	Weehawken Twp	Hudson	62.00	ft
	2600082367	B-5	02/15/07	01/16/08	Decommissioned	34.05	2.05	Weehawken Twp	Hudson	42.00	ft
	2600082369	B-2	02/15/07	01/13/08	Decommissioned	11	7	Weehawken Twp	Hudson	61.00	ft
	2600084619		08/17/07		Authorized	5	12,9&17	Weehawken Twp	Hudson		
	2600084620		08/17/07		Authorized	5	12,9&17	Weehawken Twp	Hudson		
	2600084621		08/17/07		Authorized	5	12,9&17	Weehawken Twp	Hudson		
	2600084622	B-1	08/17/07	08/20/07	Authorized	5	12,9&17	Weehawken Twp	Hudson	85.11	ft
	2600084623	B-2	08/17/07	08/16/07	Authorized	5	12,9&17	Weehawken Twp	Hudson	85.20	ft
	2600084624	B-3	08/17/07	08/17/07	Authorized	5	12,9&17	Weehawken Twp	Hudson	62.80	ft
	2600085758	B-3A	11/28/07	01/15/08	Decommissioned	34.05	2.05	Weehawken Twp	Hudson	61.00	ft
	2600088600	B-1	08/22/08	08/22/08	Decommissioned	34.03	4.22	Weehawken Twp	Hudson	102.00	ft
Total Number	**43**										

Well Type	Well Permit	Well Name	Permit Date	Drilling End Date	Status of well	Block	Lot	Municipality	County	Finished Depth	Units
Boring/Site Wide	2600070074	B-1 THRU B-12	01/08/04	02/19/04	Authorized	36.05	1.01	Weehawken Twp	Hudson	1,242.00	ft
	2600073120	B-3	12/02/04	01/10/05	Authorized	45.01	1.01-201-30	Weehawken Twp	Hudson	127.00	ft
	2600073712	B-107	02/01/05	05/09/05	Authorized	34.03	4.21	Weehawken Twp	Hudson	63.50	ft
	2600073769		02/09/05		Authorized	64	11.01/04	Weehawken Twp	Hudson		
Total Number	**4**										
Well Type	**Well Permit**	**Well Name**	**Permit Date**	**Drilling End Date**	**Status of well**	**Block**	**Lot**	**Municipality**	**County**	**Finished Depth**	**Units**
Inclinometer	2600080962	INC1	10/05/06	12/21/06	Authorized	64	1.01	Weehawken Twp	Hudson	97.00	ft
	2600080963	INC2	10/05/06	12/21/06	Authorized	64	1.01	Weehawken Twp	Hudson	95.50	ft
Total Number	**2**										
Well Type	**Well Permit**	**Well Name**	**Permit Date**	**Drilling End Date**	**Status of well**	**Block**	**Lot**	**Municipality**	**County**	**Finished Depth**	**Units**
Monitoring	2600006774	W5A	06/30/84		Authorized			Weehawken Twp	Hudson		
	2600006775	W-6A	06/30/84		Authorized			Weehawken Twp	Hudson		
	2600006776	MW-7A	06/30/84		Authorized	NA	NA	Weehawken Twp	Hudson		
	2600008358		11/13/85		Authorized	26	4	Weehawken Twp	Hudson		
	2600008359		11/13/85		Authorized	26	4	Weehawken Twp	Hudson		
	2600010445	MW-2	03/26/87		Authorized	36.04	6	Weehawken Twp	Hudson		
	2600010469	MW-4	04/14/87		Authorized	36.04	6	Weehawken Twp	Hudson		
	2600015420	3	01/26/89		Authorized	30	5	Weehawken Twp	Hudson		
	2600017516	MW4	09/14/89		Authorized	36A,36B	1-2,12	Weehawken Twp	Hudson		
	2600017517	MW5	09/14/89		Authorized	36A,36B	1-2,12	Weehawken Twp	Hudson		
	2600022208	MW-6	09/20/90		Authorized	12	3,4,5,5A	Weehawken Twp	Hudson		
	2600023139	5	11/29/90		Authorized	30	5	Weehawken Twp	Hudson		
	2600027665	MW3	11/26/91		Authorized	36A, 3B	12,1 & 2	Weehawken Twp	Hudson		
	2600034205	MW5	07/29/93	07/29/93	Authorized	30	5	Weehawken Twp	Hudson	8.00	ft
	2600034369	MW6	08/17/93	08/20/93	Authorized	45.01	1	Weehawken Twp	Hudson	15.00	ft
	2600034370	MW7	08/17/93	08/27/93	Authorized	45.01	1	Weehawken Twp	Hudson	13.00	ft
	2600034371	MW10	08/17/93	08/18/93	Authorized	45.1	1	Weehawken Twp	Hudson	17.00	ft
	2600034372	MW5	08/17/93	09/13/93	Authorized	36.04	6	Weehawken Twp	Hudson	12.00	ft
	2600034374	MW12	08/17/93	09/08/93	Authorized	3604	6	Weehawken Twp	Hudson	14.00	ft
	2600034375	MW8	08/17/93	09/08/93	Authorized	36.04	6	Weehawken Twp	Hudson	15.00	ft

	2600034376	MW9	08/17/93	09/09/93	Authorized	36.04	6	Weehawken Twp	Hudson	12.00	ft
	2600035309	1	12/07/93	12/29/93	Authorized	07	3,4 & 11	Weehawken Twp	Hudson	11.00	ft
	2600035518	MW-6	12/16/93	07/18/07	Authorized	36.04	5 & 6.01	Weehawken Twp	Hudson	14.00	ft
	2600035908	PB-1	01/28/94	02/24/94	Authorized	34.01	2	Weehawken Twp	Hudson	40.00	ft
	2600035909	PB-2	01/28/94	02/15/94	Authorized	34.01	2	Weehawken Twp	Hudson	40.00	ft
	2600035910	PB-3	01/28/94	02/21/94	Authorized	34.01	2	Weehawken Twp	Hudson	42.00	ft
	2600035911	PB-4	01/28/94	02/23/94	Authorized	34.01	2	Weehawken Twp	Hudson	42.00	ft
	2600035912	PB-5	01/28/94	02/17/94	Authorized	34.01	2	Weehawken Twp	Hudson	40.00	ft
	2600039495	MW1	02/02/95	02/10/95	Decommissioned	48	41	Weehawken Twp	Hudson	9.00	ft
	2600039496	MW2	02/02/95	02/09/95	Decommissioned	48	41	Weehawken Twp	Hudson	9.00	ft
	2600039497	MW3	02/02/95	02/09/95	Decommissioned	48	41	Weehawken Twp	Hudson	9.00	ft
	2600045362	MW 1	08/08/96	09/03/96	Authorized	12	1	Weehawken Twp	Hudson	15.00	ft
	2600051028	MW-4	05/27/98	06/22/98	Decommissioned	48	41	Weehawken Twp	Hudson	13.00	ft
	2600060308	MW-1	02/02/01	02/21/01	Authorized	51.02	1	Weehawken Twp	Hudson	14.00	ft
	2600067130	MW15	03/06/03	05/07/03	Authorized	45.01	3.01	Weehawken Twp	Hudson	13.00	ft
	2600067131	MW17	03/06/03	05/07/03	Authorized	45.01	3.01	Weehawken Twp	Hudson	15.00	ft
	2600067134	MW13	03/06/03	05/09/03	Authorized	64.02	1.01,	Weehawken Twp	Hudson	15.00	ft
	2600067245	MW14	03/13/03	05/08/03	Authorized	36.05	1.01,12.	Weehawken Twp	Hudson	13.50	ft
	2600068295		06/26/03		Authorized	15	73	Weehawken Twp	Hudson		
	2600068970	MW 11	08/25/03	09/08/03	Authorized	45.01	3.01	Weehawken Twp	Hudson	9.40	ft
	2600068971	#1	08/25/03	09/10/03	Authorized	64.01	2.01	Weehawken Twp	Hudson	20.00	ft
	2600068972	MW#2	08/25/03	09/10/03	Authorized	64.01	2.01	Weehawken Twp	Hudson	15.00	ft
	2600068973	mw3	08/25/03	09/11/03	Authorized	64.01	2.01	Weehawken Twp	Hudson	15.00	ft
	2600068974	mw4	08/25/03	09/10/03	Authorized	64.01	2.01	Weehawken Twp	Hudson	13.00	ft
	2600068975	mw5	08/25/03	09/11/03	Authorized	64.01	2.01	Weehawken Twp	Hudson	13.00	ft
	2600069336	MW-1	09/29/03	11/13/03	Authorized	60	42	Weehawken Twp	Hudson	6.00	ft
	2600069656		11/03/03		Authorized	15	73	Weehawken Twp	Hudson		
	2600069882	MW-1	11/25/03	02/27/04	Decommissioned	15	73	Weehawken Twp	Hudson	15.00	ft
	2600069894		12/02/03		Authorized	8.02	49	Weehawken Twp	Hudson		
	2600072525	MW - 1	10/04/04	10/12/04	Authorized	15	20	Weehawken Twp	Hudson	13.00	ft
	2600075155		05/17/05		Authorized	29	62	Weehawken Twp	Hudson		
	2600076703	MW-1	09/14/05	09/29/05	Authorized	49	8.02	Weehawken Twp	Hudson	9.50	ft
	2600076704	MW-2	09/14/05	09/29/05	Authorized	49	8.02	Weehawken Twp	Hudson	7.00	ft
	2600077743		12/01/05		Authorized	12	2	Weehawken Twp	Hudson		
	2600078748	MW-1	03/22/06	04/06/06	Authorized	63	22	Weehawken Twp	Hudson	25.00	ft
	2600078762	MW-1	03/27/06	04/10/06	Authorized	15	25	Weehawken Twp	Hudson	20.00	ft
	2600078916	MW-1	04/06/06	05/26/06	Decommissioned	15	20	Weehawken Twp	Hudson	13.00	ft

	2600079038		04/24/06		Authorized	48	25	Weehawken Twp	Hudson		
	2600080145	MW#2R	07/27/06	09/28/06	Authorized	61	23	Weehawken Twp	Hudson	11.50	ft
	2600080146	MW-3R	07/27/06	07/27/07	Authorized	61	23	Weehawken Twp	Hudson	6.00	ft
	2600082232	MW1R	02/05/07	02/27/07	Authorized	9	6	Weehawken Twp	Hudson	12.50	ft
	2600082233	MW-2R	02/05/07	02/27/07	Authorized	9	6	Weehawken Twp	Hudson	12.50	ft
	2600082234	MW-3R	02/05/07	02/28/07	Authorized	9	6	Weehawken Twp	Hudson	12.00	ft
	2600082235	MW-4R	02/05/07	02/28/07	Authorized	9	6	Weehawken Twp	Hudson	12.00	ft
	2600082236	MW-7R	02/05/07	02/27/07	Authorized	9	6	Weehawken Twp	Hudson	17.00	ft
	2600082237		02/05/07		Authorized	9	6	Weehawken Twp	Hudson		
	2600082241		02/05/07		Authorized	30	6	Weehawken Twp	Hudson		
	2600082368		02/15/07		Authorized	34.05	2.05	Weehawken Twp	Hudson		
	2600082370		02/15/07		Authorized	11	7	Weehawken Twp	Hudson		
	2600082764	MW-1	03/19/07	04/19/07	Authorized	30	6	Weehawken Twp	Hudson	11.00	ft
	2600082926	M-1P	04/02/07	04/20/07	Authorized	64.01	3.04	Weehawken Twp	Hudson	10.00	ft
	2600083915	MW-6	06/18/07	07/18/07	Authorized	36.04	5 & 6.01	Weehawken Twp	Hudson	14.00	ft
	2600084573	MW-1	08/14/07	09/28/07	Authorized	48	25	Weehawken Twp	Hudson	33.50	ft
	2600085807	MW-9	12/10/07	01/15/07	Authorized	12	5	Weehawken Twp	Hudson	15.00	ft
	2600086379	MW-10	02/04/08	02/20/08	Authorized	12	5.01	Weehawken Twp	Hudson	14.00	ft
	2600087060	MW-1	04/01/08	04/11/08	Authorized	3	8	Weehawken Twp	Hudson	10.00	ft
	2600087585		05/29/08		Authorized	ROW	ROW	Weehawken Twp	Hudson		
	P200804135	MW-1	12/10/08	01/05/09	Active	53	18	Weehawken Twp	Hudson	25.00	ft
	P200905578		05/07/09		Proposed	12	6	Weehawken Twp	Hudson		
	P200905813		05/13/09		Proposed	64.01	1.02	Weehawken Twp	Hudson		
	P200905814		05/13/09		Proposed	64.01	1.02	Weehawken Twp	Hudson		
	P200909312	MW-13	07/31/09	10/01/09	Active	ROW	ROW	Weehawken Twp	Hudson	19.00	ft
	P200909313	MW-14	07/31/09	08/25/09	Active	ROW	ROW	Weehawken Twp	Hudson	29.00	ft
Total Number	**82**										
Well Type	**Well Permit**	**Well Name**	**Permit Date**	**Drilling End Date**	**Status of well**	**Block**	**Lot**	**Municipality**	**County**	**Finished Depth**	**Units**
Recovery	2600014083	RW-1	08/30/88		Decommissioned	26	7A	Weehawken Twp	Hudson		
Total Number	**1**										

Copyright © State of New Jersey, 1996-2004
Department of Environmental Protection
P. O. Box 402
Trenton, NJ 08625-0402

Last Updated: December 13, 2005

APPENDIX K

Receptor Evaluation Documentation

New Jersey Department of Environmental Protection
Site Remediation Program

RECEPTOR EVALUATION FORM

☐ Non-LSRP (Existing Cases) ☒ LSRP ☐ Subsurface Evaluator

Date Stamp
(For Department use only)

SECTION A. SITE NAME AND LOCATION

Site Name: Replacement of the 14th Street Viaduct over Conrail and Local Streets Structure No. 0900-016

List all AKAs: 14th Street Viaduct

Street Address: 14th Street from Manhattan Avenue (City of Union City) to Willow Avenue (Hoboken), New Jersey

Municipality: Union City and City of Hoboken (Township, Borough or City)

County: Hudson Zip Code: 07087

Mailing Address if different than street address: 595 County Avenue, Building 3, Floor 2, Secaucus, NJ 07094

Program Interest (PI) Number(s): None yet assigned Case Tracking Number(s): 10-0420-1310-04

The purpose of this form is to document the existence of receptors and the actions taken to protect receptors and is required unless an unrestricted remedial action is completed before the due date of the **initial** Receptor Evaluation. At the time of the initial or interim Receptor Evaluation the Department acknowledges that the remedial investigation may not be fully complete. The Receptor Evaluation must be completed in accordance with requirements and timeframes in the Technical Requirements for Site Remediation and is an ongoing process as the extent or contamination is defined. The Receptor Evaluation shall be submitted within the Mandatory Timeframes.

☒ Initial Submission ☐ Interim Submission ☐ No Change (if no change, indicate last RE date: _____)

SECTION B. ON SITE AND SURROUNDING PROPERTY USE

1. Identify any sensitive populations/uses that are currently on-site or surrounding property usage within 200 feet of the site boundary or contaminated site (check all that apply):

Check all that apply:	On-site	Off-site
None of the following	☐	☐
Residences or residential property	☐	☒
Public or Private Schools grades K-12	☐	☐
Child care centers	☐	☐
Public parks, playgrounds or other recreation areas	☐	☐
Other sensitive use(s) Explain _____	☐	☐

If any of the above applies, attach a list of addresses, facility names and a map depicting each location.

2. Provide current site usage:
   ☐ Industrial ☐ Vacant property
   ☐ Commercial ☒ Other Public Roadway

3. Is the current site usage and/or off site use within 200 feet proposed or expected to be changed in the future? ☒ Yes ☐ No

   If "Yes," provide a brief narrative description of the change and map depicting the location of proposed changes(s).

A portion of the currently vacant area beneath the elevated roadway will be redeveloped as a public space, including a small playground area and a dog walk area. These areas will be capped with a minimum of two (2) feet of clean fill and/or topsoil and landscaped with trees and grass. The remainder of the area beneath the elevated roadway will be covered with an impervious surface (concrete and/or asphalt).

SECTION C. DESCRIPTION OF CONTAMINATION

1. If this evaluation is submitted with a technical document that includes this information, proceed to item 2 below. Otherwise attach a brief summary of all currently available data and information to be included in the site investigation or remedial investigation report.

2. Identify if any of the following exist at the site (check all that apply):
   - ☐ Free product [N.J.A.C. 7:26E-1.8]
   - ☐ Residual product [N.J.A.C. 7:26E-1.8]
   - ☒ Other high concentration source materials not identified above (i.e., buried drums, containers, asbestos)

     Explain Historic fill material

SECTION D. GROUND WATER USE

1. The requirement for ground water sampling has been triggered. If "No," proceed to Section F..... ☒ Yes ☐ No
2. Ground water is contaminated above the Ground Water Quality Standards [N.J.A.C.7:9C]..... ☒ Yes ☐ No

   Or ☐ Awaiting laboratory data and the expected due date: _____

   If "Yes," provide the date that the laboratory data was available and confirmed contamination exists above the Ground Water Quality Standards. Date 08/24/2009

   If "No," or awaiting laboratory data proceed to Section F.
3. Identify if any of the following conditions exist based on the well search [N.J.A.C.7:26E-1.17(a)] (check all that apply):
   - ☐ Potable wells located within 1000 feet from the downgradient edge of the currently known extent of contamination.
   - ☐ Potable well located 250 feet upgradient or 500 feet side gradient of the currently known extent of contamination.
   - ☐ Ground water contamination is located within a mapped wellhead protection area Tier 1 or Tier 2 (WHPA).
     Tier: Identify if **Tier 1** ☐ or **Tier 2** ☐.
4. Complete and attach the Well Search spreadsheet.
5. Potable use wells have been identified in the well search and the area has been canvassed for additional ground water use (potable and irrigation wells, etc.). ..... ☐ Yes ☐ No
6. Potable wells and non-potable use wells were identified and ☐ potable well and /or ☐ non-potable use well sampling has been conducted. ..... ☐ Yes ☐ No
7. Contamination identified but not suspected to be from the site (if "Yes," provide justification)..... ☐ Yes ☐ No
8. Potable wells were sampled and results were above State and Federal Drinking Water Standard. ..... ☐ Yes ☐ No

   Date _____. Or ☐ Awaiting laboratory data and the expected due date _____

   If "Yes" to #8 for potable well contamination not attributable to background, required actions are immediate abatement and an immediate NJDEP IEC Notification followed by submission of an IEC Response Action Form. An updated RE form, including the analytical summary sheet and scaled map, shall be submitted.

   IEC was abated ..... ☐ Yes ☐ No

   Date _____ NJDEP Case Manager _____
9. Receptors abated as part of mitigation (provide a brief narrative description)..... ☐ Yes ☐ No
10. Non-potable use wells were sampled and results were above GWQS.

    Date _____ Or ☐ Awaiting laboratory data and the expected due date: _____

SECTION E. VAPOR INTRUSION (VI)

1. Contaminants present in ground water exceed vapor intrusion ground water screening levels (see NJDEP Vapor Intrusion Guidance) that trigger a VI evaluation..... ☒ Yes ☐ No

   Or ☐ Awaiting laboratory data and the expected due date: _____

   Provide the date that the laboratory data was available and confirmed contamination above the Vapor Intrusion trigger levels. 08/24/2009

   If "No," or awaiting laboratory data, proceed to Section F.
2. Identify any structures/sensitive populations that exist within the following distances from ground water contamination with concentrations above the Ground Water Screening Levels for Vapor Intrusion or specific threats (check all that apply):
   - ☒ 30 feet of dissolved petroleum hydrocarbon contamination in ground water.
   - ☐ 100 feet of any free product or any non-petroleum dissolved volatile organic ground water contamination.

   OR

☐ Unsaturated zone contamination
☐ Landfills
☐ Elemental mercury
☐ Other_____
☐ Methanogenic conditions
☐ Elevated soil gas or indoor vapors
☐ Basement or sump contains contaminated groundwater or product

3. A VI evaluation has been conducted of the structures to address threats identified above. ..... ☐ Yes ☒ No
4. The vapor intrusion pathway is not a concern at or adjacent to the site..... ☐ Yes ☒ No
5. Contamination identified but not suspected to be from the site (if "Yes," provide justification)..... ☐ Yes ☐ No

VI evaluation has not been conducted; awaiting off-site access.

6. Indoor air sampling was conducted and results were above the Department's Indoor Air Screening Levels..... ☐ Yes ☒ No

   Or ☐ Awaiting laboratory data

   Provide the date that the laboratory data was available and confirmed contamination above the Indoor Air Screening Levels. _____

   If "Yes" to #6 above, required actions for contamination not attributable to background are immediate vapor abatement and an immediate NJDEP IEC notification followed by submission of an IEC Response Action Form. An updated RE form, including the analytical summary sheet and scaled map, shall be submitted.

   IEC was abated ..... ☐ Yes ☐ No

   Date _____ NJDEP Case Manager _____

7. Receptor abated as part of mitigation (provide a brief narrative description) ..... ☐ Yes ☒ No

VI evaluation has not been conducted; awaiting off-site access.

SECTION F. ECOLOGICAL RECEPTORS

1. Identify any of the following conditions that exist based on the investigations conducted to date (check all that apply):

   ☐ The results of a baseline ecological evaluation [N.J.A.C.7:26E- 3.11] dictates that a remedial investigation of ecological receptors [N.J.A.C.7:26E-4.7] is required.

   Provide the name(s) of any surface water body on or within 200 feet of the site. None

   ☐ Free product or residual product is located within 100 feet from an ecological receptor.

2. Available data indicates an impact on ecological receptor(s), surface water or sediment. ..... ☐ Yes ☒ No

   If "Yes," describe the contamination type, provide a description of all measures to be taken to mitigate exposure, if necessary.

SECTION G. PERSON RESPONSIBLE FOR CONDUCTING THE REMEDIATION INFORMATION AND CERTIFICATION

Full Legal Name of the Person Responsible for Conducting the Remediation: Hudson County Office of County Engineer

Representative First Name: Demetrio Representative Last Name: Arencibia

Title: Assistant County Engineer

Phone Number: (201) 369-4342 Ext: _____ Fax: (201) 369-4346

Mailing Address: 595 County Avenue, Building 3, Floor 2

City/Town: Secaucus State: NJ Zip Code: 07094

Email Address: darencibia@hcnj.us

Developer Certification Included ☐ or Filed _____ Date of Filing

This certification shall be signed by the person responsible for conducting the remediation who is submitting this notification in accordance with Administrative Requirements for the Remediation of Contaminated Sites rule at N.J.A.C. 7:26C-1.5(a).

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein, including all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, to the best of my knowledge, I believe that the submitted information is true, accurate and complete. I am aware that there are significant civil penalties for knowingly submitting false, inaccurate or incomplete information and that I am committing a crime of the fourth degree if I make a written false statement which I do not believe to be true. I am also aware that if I knowingly direct or authorize the violation of any statute, I am personally liable for the penalties.

Signature: _____ Date: 7/7/10

Name/Title: Demetrio Arencibia/Assistant County Engineer **No Changes Since Last Submittal** ☒

SECTION H. LICENSED SITE REMEDIATION PROFESSIONAL INFORMATION AND STATEMENT

LSRP ID Number: 511986

First Name: Christopher Last Name: Schmitt

Phone Number: (973) 658-3904 Ext: Fax: (973) 658-3954

Mailing Address: 299 Cherry Hill Road, Suite 105

City/Town: Parsippany State: NJ Zip Code: 07054

Email Address: CSchmitt@HaleyAldrich.com

This statement shall be signed by the LSRP who is submitting this notification in accordance with SRRA Section 16 d. and Section 30 b.2.

I certify that I am a Licensed Site Remediation Professional authorized pursuant to N.J.S.A. 58:10C to conduct business in New Jersey. As the Licensed Site Remediation Professional of record for this remediation, I:

[SELECT ONE OR BOTH OF THE FOLLOWING AS APPLICABLE]:

☒ *directly oversaw and supervised all of the referenced remediation, and\or*

☒ *personally reviewed and accepted all of the referenced remediation presented herein.*

I believe that the information contained herein, and including all attached documents, is true, accurate and complete.

It is my independent professional judgment and opinion that the remediation conducted at this site, as reflected in this submission to the Department, conforms to, and is consistent with, the remediation requirements in N.J.S.A. 58:10C-14.

My conduct and decisions in this matter were made upon the exercise of reasonable care and diligence, and by applying the knowledge and skill ordinarily exercised by licensed site remediation professionals practicing in good standing, in accordance with N.J.S.A. 58:10C-16, in the State of New Jersey at the time I performed these professional services.

I am aware pursuant to N.J.S.A. 58:10C-17 that for purposely, knowingly or recklessly submitting false statement, representation or certification in any document or information submitted to the board or Department, etc., that there are significant civil, administrative and criminal penalties, including license revocation or suspension, fines and being punished by imprisonment for conviction of a crime of the third degree.

LSRP Signature: Date: 6/29/10

LSRP Name/Title: Christopher F. Schmitt/LSRP **No Changes Since Last Submittal** ☒

Company Name: Haley & Aldrich, Inc.

Submit this form to the assigned case manager. If there is no assigned case manager, submit this form to:

Bureau of Case Assignment & Initial Notice
New Jersey Department of Environmental Protection
Site Remediation Program
401 East State Street, PO Box 434
Trenton, NJ 08625

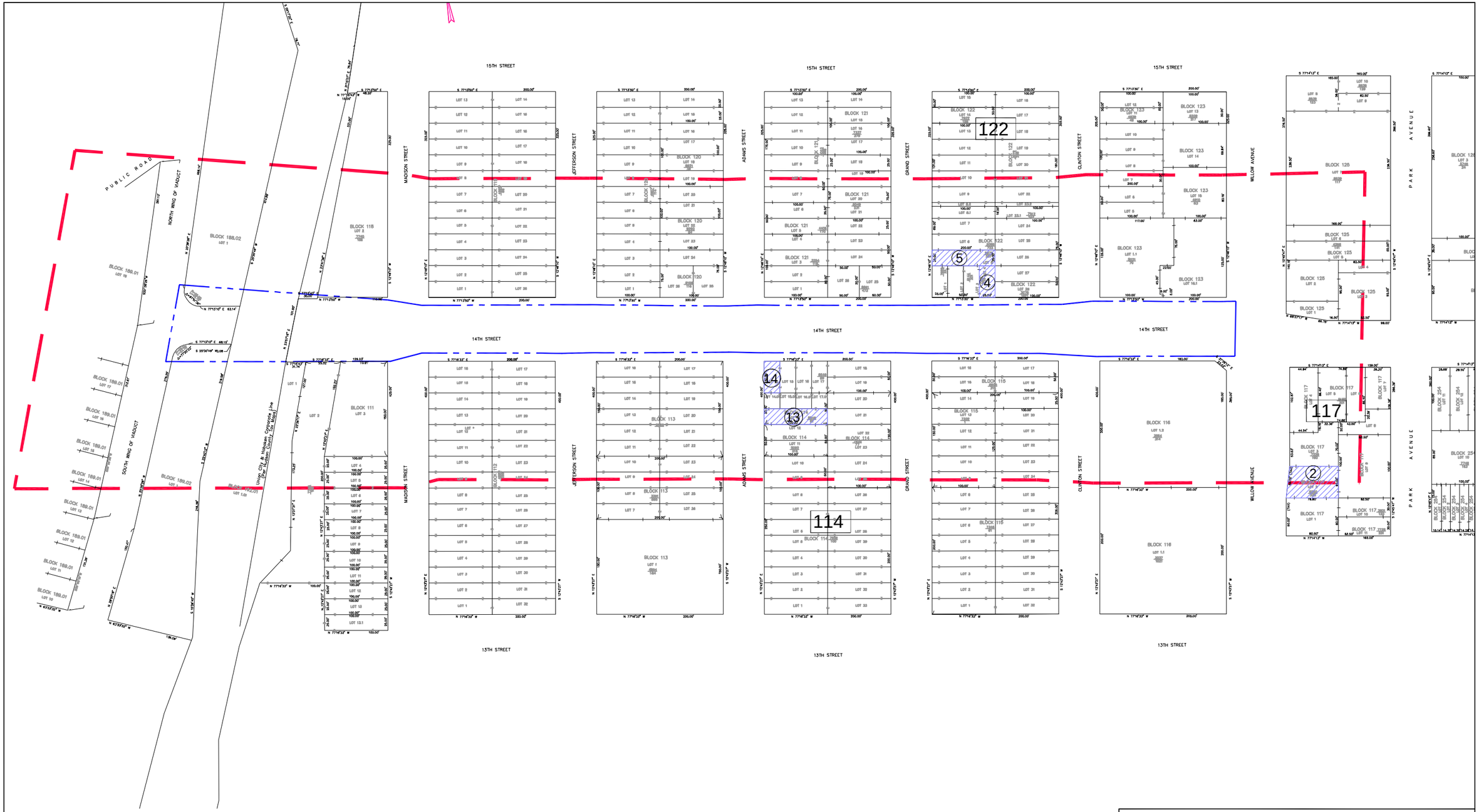
Attachment 1
Replacement of the 14th Street Viaduct over Conrail and Local Streets Structure No. 0900-016
14th Street from Manhattan Avenue (City of Union City) to Willow Avenue (Hoboken), New Jersey
NJDEP Case Number: 10-0420-1310-04

Section B. On Site and Surrounding Property Use – N.J.A.C. 7:26E-1.15

Sensitive populations/uses that are currently on-site or surrounding property usage within 200 feet of the site boundary or contaminated site:

Residences or residential property: Five (5) residences were located within 200 feet of the site boundary according to NJDEP i-MAP, accessed on May 16, 2010. These residences are as follows:

Block #	Lot #	Address
114	13	1325 Adams Street, Hoboken
114	14	409-415 14th Street, Hoboken
117	2	1313-1315 Willow Avenue, Hoboken
122	4	358 14th Street, Hoboken
122	5	1409 Grand Street, Hoboken



LEGEND:

- SITE BOUNDARY
- 200 FOOT DISTANCE FROM SITE BOUNDARY
- 114 — BLOCK NUMBER
- 14 — LOT NUMBER
- RESIDENTIAL PROPERTY

NOTES:

1. SITE PLAN WAS PREPARED FROM A DRAWING FILE NAMED "TOPO_F.DWG" SITE ENTITLED "REPLACEMENT OF 14TH STREET VIADUCT HOBOKEN & UNION CITY, HUDSON COUNTY, NEW JERSEY", PREPARED BY TRANSYSTEMS, RECEIVED IN MAY 2010.

2. LOCATIONS OF RESIDENTIAL PROPERTIES WERE IDETFIFIED THROUGH A REVIEW OF PUBLIC RECORDS AND USING NJDEP i-MAP

N
W E
S

0 150 300
SCALE IN FEET

HALEY & ALDRICH

14TH STREET VIADUCT REPLACEMENT
14TH STREET FROM WILLOW AVE (HOBOKEN, NJ)
TO MANHATTAN AVE (UNION CITY, NJ)

SITE BOUNDARY AND ADJACENT PROPERTIES

SCALE: AS SHOWN
JUNE 2010

FIGURE K-1

G:\36059_TRANSYSTEMS\GLOBAL\CAD\DRAWINGS\36059-004-006B-TAXMAP-DGN.DWG

APPENDIX L

Baseline Ecological Evaluation Documentation

State of New Jersey

CHRIS CHRISTIE
Governor

KIM GUADAGNO
Lt. Governor

DEPARTMENT OF ENVIRONMENTAL PROTECTION
Division of Parks and Forestry
Office of Natural Lands Management
Natural Heritage Program
P.O. Box 404
Trenton, NJ 08625-0404
Tel. #609-984-1339
Fax. #609-984-1427

BOB MARTIN
Acting Commissioner

February 25, 2010

Gregory V. Menzel
TranSystems
45 Eisenhower Drive, Suite 250
Paramus, NJ 07652

Re: Replacement of the 14th Street Viaduct

Dear Mr. Menzel:

Thank you for your data request regarding rare species information for the above referenced project site in Hoboken City and Union City, Hudson County.

Searches of the Natural Heritage Database and the Landscape Project (Version 3 in the highlands region, Version 2.1 elsewhere) are based on a representation of the boundaries of your project site in our Geographic Information System (GIS). We make every effort to accurately transfer your project bounds from the topographic map(s) submitted with the Request for Data into our Geographic Information System. We do not typically verify that your project bounds are accurate, or check them against other sources.

Neither the Natural Heritage Database nor the Landscape Project has records for any rare wildlife species on the referenced site.

We have also checked the Natural Heritage Database and the Landscape Project habitat mapping for occurrences of any rare wildlife species or wildlife habitat within one mile of the referenced site. Please see the table below for species list and conservation status.

Species within one mile of referenced site.

Common Name	*Scientific Name*	Federal Status	State Status	Grank	Srank
shortnose sturgeon	*Acipenser brevirostrum*	LE	E	G3	S1

We have also checked the Natural Heritage Database for occurrences of rare plant species or ecological communities. The Natural Heritage Database does not have any records for rare plants or ecological communities on the site or for rare plant species covered by the Flood Hazard Area Control Act rule within one mile of the site.

A list of rare plant species and ecological communities that have been documented from Hudson County can be downloaded from http://www.state.nj.us/dep/parksandforests/natural/heritage/countylist.html. If suitable habitat is present at the project site, the species in that list have potential to be present.

Status and rank codes used in the tables and lists are defined in EXPLANATION OF CODES USED IN NATURAL HERITAGE REPORTS, which can be downloaded from http://www.state.nj.us/dep/parksandforests/natural/heritage/nhpcodes_2008.pdf.

If you have questions concerning the wildlife records or wildlife species mentioned in this response, we recommend that you visit the interactive I-Map-NJ website at the following URL, http://www.state.nj.us/dep/gis/depsplash.htm or contact the Division of Fish and Wildlife, Endangered and Nongame Species Program at (609) 292 9400.

PLEASE SEE 'CAUTIONS AND RESTRICTIONS ON NHP DATA', which can be downloaded from http://www.state.nj.us/dep/parksandforests/natural/heritage/newcaution2008.pdf.

Thank you for consulting the Natural Heritage Program. The attached invoice details the payment due for processing this data request. Feel free to contact us again regarding any future data requests.

Sincerely,

Herbert A. Lord

Herbert A. Lord
Data Request Specialist

cc: Robert J. Cartica
NHP File No. 10-4007471-4410

(by Patricia Sziber)

APPENDIX M

Notification and Public Outreach Documentation

Haley & Aldrich, Inc.
299 Cherry Hill Rd.
Suite 105
Parsippany, NJ 07054-1124

Tel: 973.263.3900
Fax: 973.263.2580
HaleyAldrich.com

16 July 2010
File No. 36059-004

New Jersey Department of Environmental Protection
Office of Community Relations
401 East State Street, 6th Floor
P.O. Box 413
Trenton, NJ 08625-0413

Subject: Notification and Public Outreach
Replacement of the 14th Street Viaduct over Conrail and Local Streets Structure No. 0900-016
14th Street from Willow Avenue (Hoboken) to Manhattan Avenue (Union City), Hudson County, New Jersey
Public Right-of-Way
NJDEP Case Number 10-0420-1310-04

Ladies and Gentlemen:

Pursuant to N.J.A.C 7:26E-1.4(i)5., public notice of environmental investigation was provided by posting a sign at the above referenced site. The sign was posted on 14 July 2010, adjacent to 14th Street at Adams Street. Below are photographs of the sign showing its content and location, and enclosed is a New Jersey Department of Environmental Protection Public Outreach and Notification form. The photographs in an electronic format are also included on the enclosed compact disk.

Historic fill material has been documented at the site and the affected media are soil and groundwater. The Site currently is in the Remedial Investigation phase, and a Remedial Action Workplan consisting of a Deed Notice and a Classification Exception Area will be prepared for the Site. In addition, some soil may be excavated and disposed off-site during Viaduct construction activities. This field work is anticipated to begin in 2011.

Please feel free to contact us at 973.263.3900 if you have any questions or require additional information.

Sincerely yours,
HALEY & ALDRICH, INC.

Christopher F. Schmitt, LSRP
Project Manager

Enclosures

c: City of Hoboken; Attn: City Clerk and Heath Office
City of Union City; Attn: City Clear and Health Department
Hudson County Office of County Engineer; Attn: Demetrio Arencibia, P.E.
TranSystems, Inc.; Attn: John G. Chiara, P.E.

ENVIRONMENTAL INVESTIGATION/
CLEANUP IN PROGRESS AT THIS SITE
For Further Information Contact:
Hudson County Engineer's Office:
201-369-4340
Licensed Site Remediation Professional:
973-263-3900
NJDEP Case Number 10-04-20-1310 04
Posted July 2010
07/14/2010 17:08

New Jersey Department of Environmental Protection
Site Remediation Program

PUBLIC NOTIFICATION AND OUTREACH

☐ Non-LSRP (Existing Cases) ☒ LSRP ☐ Subsurface Evaluator

Date Stamp
(For Department use only)

SECTION A. SITE LOCATION

Site Name: Replacement of the 14th Street Viaduct over Conrail and Local Streets Structure No. 0900-016

List all AKAs: 14th Street Viaduct

Street Address: 14th Street from Manhattan Avenue (City of Union City) to Willow Avenue (Hoboken), New Jersey

Municipality: Union City and City of Hoboken (Township, Borough or City)

County: Hudson Zip Code: 07087

Mailing Address if different than street address: refer to Section C

Program Interest (PI) Number(s): None yet assigned Case Tracking Number(s): 10-0420-1310-04

Date trigger compliance with Section 30 of Site Remediation Reform Act PL: 04/20/2010

State Plane Coordinates for a central location at the site: Easting: 621600 Northing: 700094

Municipal Block(s) and Lot(s): Block # N/A (public right-of-way) Lot # N/A (public right-of-way)

Block # _____ Lot # _____ Block # _____ Lot # _____

Block # _____ Lot # _____ Block # _____ Lot # _____

Block # _____ Lot # _____ Block # _____ Lot # _____

Block # _____ Lot # _____ Block # _____ Lot # _____

SECTION B. NOTIFICATION INFORMATION

1. Was public notification provided:
   Via sign? ..... ☒ Yes ☐ No Via fact sheet? ..... ☐ Yes ☒ No
   Via letter? ..... ☐ Yes ☒ No Via newspaper? .... ☐ Yes ☒ No
2. Were materials produced in a language other than English? ..... ☐ Yes ☒ No
   If "Yes," in what other language was notification prepared? _____
3. Was notification of excess fill material conducted pursuant to N.J.A.C. 7:26E-1.4(k)? ..... ☐ Yes ☒ No
4. Was notification conducted using an Alternative Plan pursuant to N.J.A.C. 7:26E-1.4(o) or (p)? ..... ☐ Yes ☒ No
5. Did you provide an electronic copy of all required submittals? ..... ☒ Yes ☐ No
6. Did you provide copies to the municipality and local health department? ..... ☒ Yes ☐ No
7. Was additional public outreach conducted pursuant to N.J.A.C. 7:26E-1.4(q)? ..... ☐ Yes ☒ No

SECTION C. PERSON RESPONSIBLE FOR CONDUCTING THE REMEDIATION INFORMATION AND CERTIFICATION

Full Legal Name of the Person Responsible for Conducting the Remediation: Hudson County Office of County Engineer

Representative First Name: Demetrio Representative Last Name: Arencibia

Title: Assistant County Engineer

Phone Number: (201) 369-4342 Ext: Fax: (201) 369-4346

Mailing Address: 595 County Avenue, Building 3, Floor 2, Secaucus, NJ 07094

City/Town: Secaucus State: NJ Zip Code: 07094

Email Address: darencibia@hcnj.us

Developer Certification Included ☐ or Filed _____ Date of Filing

This certification shall be signed by the person responsible for conducting the remediation who is submitting this notification in accordance with Administrative Requirements for the Remediation of Contaminated Sites rule at N.J.A.C. 7:26C-1.5(a).

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein, including all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, to the best of my knowledge, I believe that the submitted information is true, accurate and complete. I am aware that there are significant civil penalties for knowingly submitting false, inaccurate or incomplete information and that I am committing a crime of the fourth degree if I make a written false statement which I do not believe to be true. I am also aware that if I knowingly direct or authorize the violation of any statute, I am personally liable for the penalties.

Signature: Date: 7/19/2010

Name/Title: Demetrio Arencibia/ Assistant County Engineer **No Changes Since Last Submittal** ☐

SECTION D. LICENSED SITE REMEDIATION PROFESSIONAL INFORMATION AND STATEMENT

LSRP ID Number: 511986

First Name: Christopher Last Name: Schmitt

Phone Number: (973) 658-3904 Ext: Fax: (973) 658-3954

Mailing Address: 299 Cherry Hill Road, Suite 105

City/Town: Parsippany State: NJ Zip Code: 07054

Email Address: cschmitt@HaleyAldrich.com

This statement shall be signed by the LSRP who is submitting this notification in accordance with SRRA Section 16 d. and Section 30 b.2.

I certify that I am a Licensed Site Remediation Professional authorized pursuant to N.J.S.A. 58:10C to conduct business in New Jersey. As the Licensed Site Remediation Professional of record for this remediation, I:

[SELECT ONE OR BOTH OF THE FOLLOWING AS APPLICABLE]:

☒ *directly oversaw and supervised all of the referenced remediation, and\or*

☒ *personally reviewed and accepted all of the referenced remediation presented herein.*

I believe that the information contained herein, and including all attached documents, is true, accurate and complete.

It is my independent professional judgment and opinion that the remediation conducted at this site, as reflected in this submission to the Department, conforms to, and is consistent with, the remediation requirements in N.J.S.A. 58:10C-14.

My conduct and decisions in this matter were made upon the exercise of reasonable care and diligence, and by applying the knowledge and skill ordinarily exercised by licensed site remediation professionals practicing in good standing, in accordance with N.J.S.A. 58:10C-16, in the State of New Jersey at the time I performed these professional services.

I am aware pursuant to N.J.S.A. 58:10C-17 that for purposely, knowingly or recklessly submitting false statement, representation or certification in any document or information submitted to the board or Department, etc., that there are significant civil, administrative and criminal penalties, including license revocation or suspension, fines and being punished by imprisonment for conviction of a crime of the third degree.

LSRP Signature: Date: 7/15/2010

LSRP Name/Title: Christopher Schmitt/LSRP **No Changes Since Last Submittal** ☐

Company Name: Haley & Aldrich, Inc.

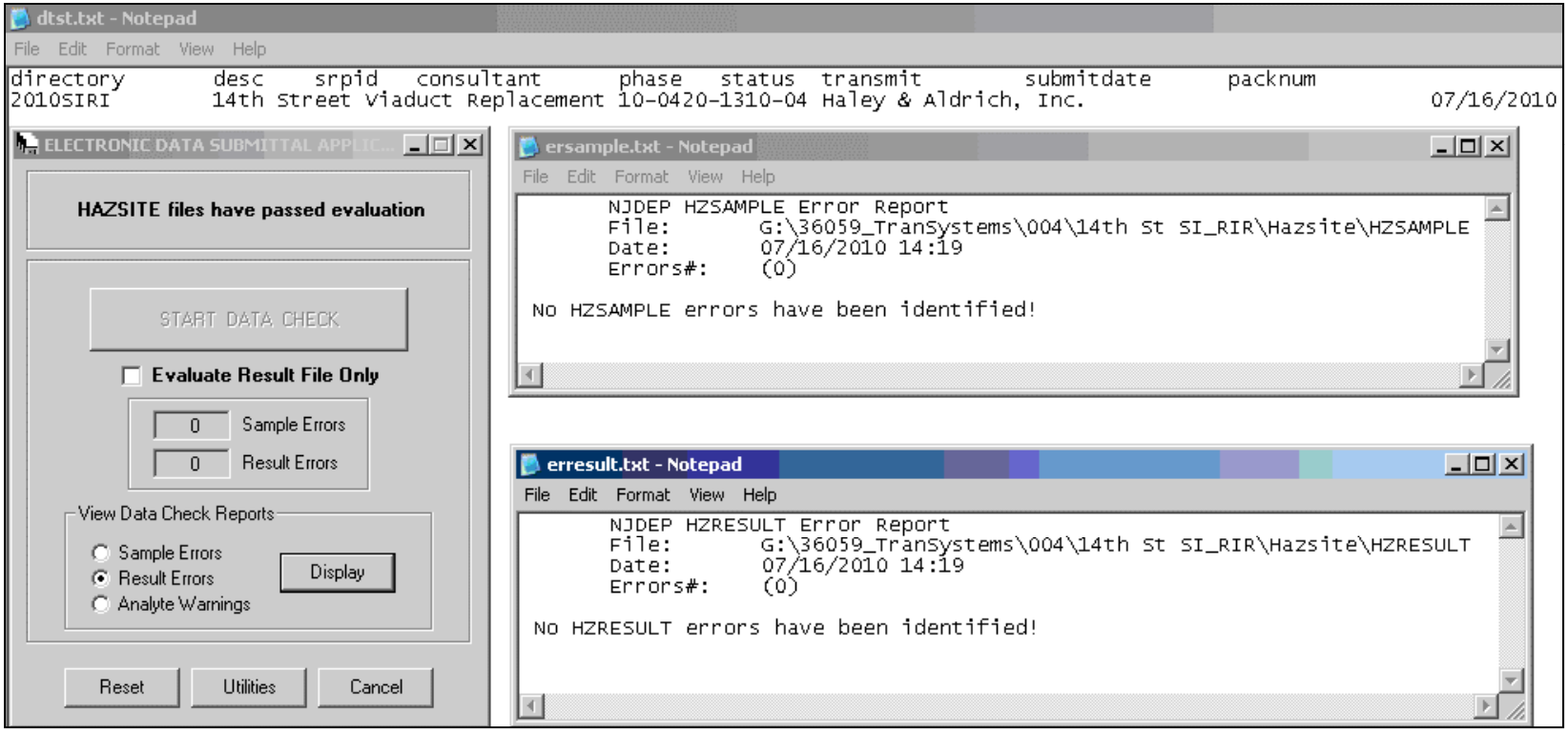
Completed forms should be sent to:

Bureau of Case Assignment & Initial Notice
New Jersey Department of Environmental Protection
Site Remediation Program
401 East State Street, PO Box 434
Trenton, NJ 08625

APPENDIX N

Laboratory Analytical Data and EDSA Check

14th Street Viaduct Replacement
Electronic Deliverables Submission Checked with EDSA
Version 5.00.0001
July 2010 Submission SRPID 10-0420-1310-04
Soil and Groundwater Samples Collected in June-July 2009



07/06/2009

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

2°
#98

777 New Durham Road
Edison, New Jersey 08817
Phone: (732) 549-3900 Fax: (732) 549-3679

CHAIN OF CUSTODY / ANALYSIS REQUEST

Page 1 of 1

Name (for report and invoice) BOBBY ISSAC / AMY MURPHY	Samplers Name (Printed) BOBBY ISSAC	Site/Project Identification 14th ST. Viaduct 36059-001
Company HALEY & ALDRICH INC.	P. O. # 36059-001	State (Location of site): NJ: [X] NY: [ ] Other:
Address 209 Cherry Hill Rd. Suite 105	Analysis Turnaround Time: Standard [X]	Regulatory Program:
City Parsippany State NJ	Rush Chrages Authorized For: 2 Week [ ] 1 Week [ ] Other [ ]	
Phone 973-658-3937 Fax		

ANALYSIS REQUESTED (ENTER "X" BELOW TO INDICATE REQUEST)

Sample Identification	Date	Time	Matrix	No. of Cont.	8270C TCL-BN+15	8082 - PCBs	8081A TCL Pesticides	6010B - TAL Metals	NJ-OQA-QAM-025 - QMM 025	8260B TAL-VOA +15						LAB USE ONLY Sample Numbers
B-105 : S1	6/5/09	12:35	S	5	X	X	X	X	X	X						1
B-105 : S2	6/5/09	12:37	S	5	X	X	X	X	X	X						2
B-105 : S3	6/5/09	12:40	S	5	X	X	X	X	X	X						3
B-107 : S1	6/5/09	8:45	S	5	X	X	X	X	X	X						4
B-107 : S3	6/5/09	8:50	S	5	X	X	X	X	X	X						5
B-122 : S1	6/5/09	11:30	S	5	X	X	X	X	X	X						6
B-122 : S3	6/5/09	11:42	S	5	X	X	X	X	X	X						7
4 = HNO_3, 5 = NaOH				Soil:	1	1	1	1	1	1						
, 7 = Other				Water:												

LAB USE ONLY
Project No: 2512
Job No: B

Short Hold

Special Instructions

Water Metals Filtered (Yes/No)?

Relinquished by	Company	Date / Time	Received by	Company
Bobby Issac	H&A	6/5/09 3:22	1) Erin Hanlon	Test America
2) Erin Hanlon	Test America	6/5/09 3:22	2) [illegible] 1700	6/5/09
3)			3)	
4)			4)	

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132). TAL - 0016 (0408)

Massachusetts (M-NJ312), North Carolina (No. 578)

Client: Haley & Aldrich, Inc. Job Number: 460-2512-1

Client Sample ID: **B-105:S1**

Lab Sample ID: 460-2512-1 Date Sampled: 06/05/2009 1235
Client Matrix: Solid % Moisture: 11.9 Date Received: 06/05/2009 1700

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 460-8464		Instrument ID:	VOAMS2
Preparation:	5035	Prep Batch: 460-8451		Lab File ID:	b24661.d
Dilution:	1.0			Initial Weight/Volume:	6.30 g
Date Analyzed:	06/07/2009 1452			Final Weight/Volume:	1.0 mL
Date Prepared:	06/06/2009 0625				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Chloromethane		1.1	U	0.72	1.1
Bromomethane		1.1	U	0.46	1.1
Vinyl chloride		1.1	U	0.27	1.1
Chloroethane		1.1	U	0.45	1.1
Methylene Chloride		1.1	U	0.53	1.1
Acetone		11	U	4.2	11
Carbon disulfide		1.1	U	0.53	1.1
1,1-Dichloroethene		1.1	U	0.42	1.1
1,1-Dichloroethane		1.1	U	0.29	1.1
trans-1,2-Dichloroethene		1.1	U	0.32	1.1
cis-1,2-Dichloroethene		1.1	U	0.27	1.1
Chloroform		1.1	U	0.27	1.1
1,2-Dichloroethane		1.1	U	0.44	1.1
2-Butanone		11	U	0.65	11
1,1,1-Trichloroethane		1.1	U	0.21	1.1
Carbon tetrachloride		1.1	U	0.11	1.1
Bromodichloromethane		1.1	U	0.35	1.1
1,2-Dichloropropane		1.1	U	0.36	1.1
cis-1,3-Dichloropropene		1.1	U	0.23	1.1
Trichloroethene		1.1	U	0.41	1.1
Dibromochloromethane		1.1	U	0.64	1.1
1,1,2-Trichloroethane		1.1	U	0.67	1.1
Benzene		1.1	U	0.84	1.1
trans-1,3-Dichloropropene		1.1	U	0.25	1.1
Bromoform		1.1	U	0.80	1.1
4-Methyl-2-pentanone		11	U	0.81	11
2-Hexanone		11	U	1.9	11
Tetrachloroethene		0.61	J	0.37	1.1
1,1,2,2-Tetrachloroethane		1.1	U	0.86	1.1
Toluene		1.1	U	0.34	1.1
Chlorobenzene		1.1	U	0.55	1.1
Ethylbenzene		1.1	U	0.22	1.1
Styrene		1.1	U	0.39	1.1
Xylenes, Total		3.4	U	0.89	3.4

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	102		53 - 128
Bromofluorobenzene	107		73 - 143
Toluene-d8 (Surr)	107		59 - 139

Client: Haley & Aldrich, Inc. Job Number: 460-2512-1

Client Sample ID: **B-105:S1**

Lab Sample ID: 460-2512-1 Date Sampled: 06/05/2009 1235
Client Matrix: Solid % Moisture: 11.9 Date Received: 06/05/2009 1700

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 460-8464		Instrument ID:	VOAMS2
Preparation:	5035	Prep Batch: 460-8451		Lab File ID:	b24661.d
Dilution:	1.0			Initial Weight/Volume:	6.30 g
Date Analyzed:	06/07/2009 1452			Final Weight/Volume:	1.0 mL
Date Prepared:	06/06/2009 0625				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Tentatively Identified Compound		None	

Client: Haley & Aldrich, Inc. Job Number: 460-2512-1

Client Sample ID: **B-105:S2**

Lab Sample ID: 460-2512-2 Date Sampled: 06/05/2009 1237
Client Matrix: Solid % Moisture: 13.2 Date Received: 06/05/2009 1700

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 460-8464		Instrument ID:	VOAMS2
Preparation:	5035	Prep Batch: 460-8451		Lab File ID:	b24662.d
Dilution:	1.0			Initial Weight/Volume:	6.13 g
Date Analyzed:	06/07/2009 1516			Final Weight/Volume:	1.0 mL
Date Prepared:	06/06/2009 0625				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Chloromethane		1.2	U	0.73	1.2
Bromomethane		1.2	U	0.47	1.2
Vinyl chloride		1.2	U	0.27	1.2
Chloroethane		1.2	U	0.46	1.2
Methylene Chloride		1.2	U	0.54	1.2
Acetone		12	U	4.3	12
Carbon disulfide		1.2	U	0.54	1.2
1,1-Dichloroethene		1.2	U	0.43	1.2
1,1-Dichloroethane		1.2	U	0.29	1.2
trans-1,2-Dichloroethene		1.2	U	0.33	1.2
cis-1,2-Dichloroethene		1.2	U	0.27	1.2
Chloroform		1.2	U	0.27	1.2
1,2-Dichloroethane		1.2	U	0.45	1.2
2-Butanone		12	U	0.66	12
1,1,1-Trichloroethane		1.2	U	0.22	1.2
Carbon tetrachloride		1.2	U	0.12	1.2
Bromodichloromethane		1.2	U	0.35	1.2
1,2-Dichloropropane		1.2	U	0.37	1.2
cis-1,3-Dichloropropene		1.2	U	0.23	1.2
Trichloroethene		1.2	U	0.42	1.2
Dibromochloromethane		1.2	U	0.65	1.2
1,1,2-Trichloroethane		1.2	U	0.68	1.2
Benzene		1.2	U	0.85	1.2
trans-1,3-Dichloropropene		1.2	U	0.25	1.2
Bromoform		1.2	U	0.81	1.2
4-Methyl-2-pentanone		12	U	0.82	12
2-Hexanone		12	U	1.9	12
Tetrachloroethene		0.85	J	0.38	1.2
1,1,2,2-Tetrachloroethane		1.2	U	0.88	1.2
Toluene		1.2	U	0.34	1.2
Chlorobenzene		1.2	U	0.56	1.2
Ethylbenzene		1.2	U	0.22	1.2
Styrene		1.2	U	0.40	1.2
Xylenes, Total		3.5	U	0.91	3.5

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	98		53 - 128
Bromofluorobenzene	103		73 - 143
Toluene-d8 (Surr)	104		59 - 139

Client: Haley & Aldrich, Inc. Job Number: 460-2512-1

Client Sample ID: **B-105:S2**

Lab Sample ID: 460-2512-2 Date Sampled: 06/05/2009 1237
Client Matrix: Solid % Moisture: 13.2 Date Received: 06/05/2009 1700

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 460-8464		Instrument ID:	VOAMS2
Preparation:	5035	Prep Batch: 460-8451		Lab File ID:	b24662.d
Dilution:	1.0			Initial Weight/Volume:	6.13 g
Date Analyzed:	06/07/2009 1516			Final Weight/Volume:	1.0 mL
Date Prepared:	06/06/2009 0625				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Tentatively Identified Compound		None	

Client: Haley & Aldrich, Inc. Job Number: 460-2512-1

Client Sample ID: **B-105:S3**

Lab Sample ID: 460-2512-3 Date Sampled: 06/05/2009 1240
Client Matrix: Solid % Moisture: 18.3 Date Received: 06/05/2009 1700

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 460-8464		Instrument ID:	VOAMS2
Preparation:	5035	Prep Batch: 460-8451		Lab File ID:	b24663.d
Dilution:	1.0			Initial Weight/Volume:	5.51 g
Date Analyzed:	06/07/2009 1539			Final Weight/Volume:	1.0 mL
Date Prepared:	06/06/2009 0625				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Chloromethane		1.2	U	0.78	1.2
Bromomethane		1.2	U	0.50	1.2
Vinyl chloride		1.2	U	0.29	1.2
Chloroethane		1.2	U	0.49	1.2
Methylene Chloride		1.2	U	0.58	1.2
Acetone		30	B	4.5	12
Carbon disulfide		1.3		0.57	1.2
1,1-Dichloroethene		1.2	U	0.45	1.2
1,1-Dichloroethane		1.2	U	0.31	1.2
trans-1,2-Dichloroethene		1.2	U	0.35	1.2
cis-1,2-Dichloroethene		1.2	U	0.29	1.2
Chloroform		1.2	U	0.29	1.2
1,2-Dichloroethane		1.2	U	0.48	1.2
2-Butanone		12	U	0.70	12
1,1,1-Trichloroethane		1.2	U	0.23	1.2
Carbon tetrachloride		1.2	U	0.12	1.2
Bromodichloromethane		1.2	U	0.37	1.2
1,2-Dichloropropane		1.2	U	0.39	1.2
cis-1,3-Dichloropropene		1.2	U	0.25	1.2
Trichloroethene		1.2	U	0.44	1.2
Dibromochloromethane		1.2	U	0.69	1.2
1,1,2-Trichloroethane		1.2	U	0.73	1.2
Benzene		4.5		0.91	1.2
trans-1,3-Dichloropropene		1.2	U	0.27	1.2
Bromoform		1.2	U	0.86	1.2
4-Methyl-2-pentanone		12	U	0.88	12
2-Hexanone		12	U	2.0	12
Tetrachloroethene		1.2	U	0.40	1.2
1,1,2,2-Tetrachloroethane		1.2	U	0.93	1.2
Toluene		2.2		0.37	1.2
Chlorobenzene		1.2	U	0.59	1.2
Ethylbenzene		1.2	U	0.23	1.2
Styrene		1.2	U	0.42	1.2
Xylenes, Total		3.7	U	0.96	3.7

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	99		53 - 128
Bromofluorobenzene	104		73 - 143
Toluene-d8 (Surr)	104		59 - 139

Client: Haley & Aldrich, Inc. Job Number: 460-2512-1

Client Sample ID: **B-105:S3**

Lab Sample ID: 460-2512-3 Date Sampled: 06/05/2009 1240
Client Matrix: Solid % Moisture: 18.3 Date Received: 06/05/2009 1700

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 460-8464		Instrument ID:	VOAMS2
Preparation:	5035	Prep Batch: 460-8451		Lab File ID:	b24663.d
Dilution:	1.0			Initial Weight/Volume:	5.51 g
Date Analyzed:	06/07/2009 1539			Final Weight/Volume:	1.0 mL
Date Prepared:	06/06/2009 0625				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Tentatively Identified Compound		None	

Client: Haley & Aldrich, Inc. Job Number: 460-2512-1

Client Sample ID: **B-107:S1**

Lab Sample ID: 460-2512-4 Date Sampled: 06/05/2009 0845
Client Matrix: Solid % Moisture: 15.6 Date Received: 06/05/2009 1700

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 460-8464		Instrument ID:	VOAMS2
Preparation:	5035	Prep Batch: 460-8451		Lab File ID:	b24664.d
Dilution:	1.0			Initial Weight/Volume:	4.31 g
Date Analyzed:	06/07/2009 1602			Final Weight/Volume:	1.0 mL
Date Prepared:	06/06/2009 0625				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Chloromethane		1.2	U	0.75	1.2
Bromomethane		1.2	U	0.48	1.2
Vinyl chloride		1.2	U	0.28	1.2
Chloroethane		1.2	U	0.47	1.2
Methylene Chloride		1.2	U	0.56	1.2
Acetone		10	J B	4.4	12
Carbon disulfide		1.2	U	0.55	1.2
1,1-Dichloroethene		1.2	U	0.44	1.2
1,1-Dichloroethane		1.2	U	0.30	1.2
trans-1,2-Dichloroethene		1.2	U	0.34	1.2
cis-1,2-Dichloroethene		1.2	U	0.28	1.2
Chloroform		1.2	U	0.28	1.2
1,2-Dichloroethane		1.2	U	0.46	1.2
2-Butanone		12	U	0.67	12
1,1,1-Trichloroethane		1.2	U	0.22	1.2
Carbon tetrachloride		1.2	U	0.12	1.2
Bromodichloromethane		1.2	U	0.36	1.2
1,2-Dichloropropane		1.2	U	0.38	1.2
cis-1,3-Dichloropropene		1.2	U	0.24	1.2
Trichloroethene		1.2	U	0.43	1.2
Dibromochloromethane		1.2	U	0.66	1.2
1,1,2-Trichloroethane		1.2	U	0.70	1.2
Benzene		1.2	U	0.88	1.2
trans-1,3-Dichloropropene		1.2	U	0.26	1.2
Bromoform		1.2	U	0.83	1.2
4-Methyl-2-pentanone		12	U	0.85	12
2-Hexanone		12	U	2.0	12
Tetrachloroethene		1.2	U	0.39	1.2
1,1,2,2-Tetrachloroethane		1.2	U	0.90	1.2
Toluene		1.2	U	0.35	1.2
Chlorobenzene		1.2	U	0.57	1.2
Ethylbenzene		1.2	U	0.23	1.2
Styrene		1.2	U	0.41	1.2
Xylenes, Total		3.6	U	0.93	3.6

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	98		53 - 128
Bromofluorobenzene	107		73 - 143
Toluene-d8 (Surr)	105		59 - 139

Client: Haley & Aldrich, Inc. Job Number: 460-2512-1

Client Sample ID: **B-107:S1**

Lab Sample ID: 460-2512-4 Date Sampled: 06/05/2009 0845
Client Matrix: Solid % Moisture: 15.6 Date Received: 06/05/2009 1700

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 460-8464		Instrument ID:	VOAMS2
Preparation:	5035	Prep Batch: 460-8451		Lab File ID:	b24664.d
Dilution:	1.0			Initial Weight/Volume:	4.31 g
Date Analyzed:	06/07/2009 1602			Final Weight/Volume:	1.0 mL
Date Prepared:	06/06/2009 0625				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Tentatively Identified Compound		None	

Client: Haley & Aldrich, Inc. Job Number: 460-2512-1

Client Sample ID: **B-107:S3**

Lab Sample ID: 460-2512-5 Date Sampled: 06/05/2009 0850
Client Matrix: Solid % Moisture: 13.7 Date Received: 06/05/2009 1700

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 460-8464		Instrument ID:	VOAMS2
Preparation:	5035	Prep Batch: 460-8451		Lab File ID:	b24665.d
Dilution:	1.0			Initial Weight/Volume:	6.09 g
Date Analyzed:	06/07/2009 1626			Final Weight/Volume:	1.0 mL
Date Prepared:	06/06/2009 0625				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Chloromethane		1.2	U	0.73	1.2
Bromomethane		1.2	U	0.47	1.2
Vinyl chloride		1.2	U	0.27	1.2
Chloroethane		1.2	U	0.46	1.2
Methylene Chloride		1.2	U	0.55	1.2
Acetone		25	B	4.3	12
Carbon disulfide		1.2	U	0.54	1.2
1,1-Dichloroethene		1.2	U	0.43	1.2
1,1-Dichloroethane		1.2	U	0.29	1.2
trans-1,2-Dichloroethene		1.2	U	0.33	1.2
cis-1,2-Dichloroethene		1.2	U	0.27	1.2
Chloroform		1.2	U	0.27	1.2
1,2-Dichloroethane		1.2	U	0.45	1.2
2-Butanone		12	U	0.66	12
1,1,1-Trichloroethane		1.2	U	0.22	1.2
Carbon tetrachloride		1.2	U	0.12	1.2
Bromodichloromethane		1.2	U	0.35	1.2
1,2-Dichloropropane		1.2	U	0.37	1.2
cis-1,3-Dichloropropene		1.2	U	0.23	1.2
Trichloroethene		1.2	U	0.42	1.2
Dibromochloromethane		1.2	U	0.65	1.2
1,1,2-Trichloroethane		1.2	U	0.69	1.2
Benzene		1.2	U	0.86	1.2
trans-1,3-Dichloropropene		1.2	U	0.26	1.2
Bromoform		1.2	U	0.81	1.2
4-Methyl-2-pentanone		12	U	0.83	12
2-Hexanone		12	U	1.9	12
Tetrachloroethene		1.2	U	0.38	1.2
1,1,2,2-Tetrachloroethane		1.2	U	0.88	1.2
Toluene		1.2	U	0.35	1.2
Chlorobenzene		1.2	U	0.56	1.2
Ethylbenzene		1.2	U	0.22	1.2
Styrene		1.2	U	0.40	1.2
Xylenes, Total		3.5	U	0.91	3.5

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	99		53 - 128
Bromofluorobenzene	103		73 - 143
Toluene-d8 (Surr)	104		59 - 139

Client: Haley & Aldrich, Inc. Job Number: 460-2512-1

Client Sample ID: **B-107:S3**

Lab Sample ID: 460-2512-5 Date Sampled: 06/05/2009 0850
Client Matrix: Solid % Moisture: 13.7 Date Received: 06/05/2009 1700

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 460-8464		Instrument ID:	VOAMS2
Preparation:	5035	Prep Batch: 460-8451		Lab File ID:	b24665.d
Dilution:	1.0			Initial Weight/Volume:	6.09 g
Date Analyzed:	06/07/2009 1626			Final Weight/Volume:	1.0 mL
Date Prepared:	06/06/2009 0625				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Tentatively Identified Compound		None	

Client: Haley & Aldrich, Inc. Job Number: 460-2512-1

Client Sample ID: **B-122:S1**

Lab Sample ID: 460-2512-6 Date Sampled: 06/05/2009 1130
Client Matrix: Solid % Moisture: 9.9 Date Received: 06/05/2009 1700

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 460-8464		Instrument ID:	VOAMS2
Preparation:	5035	Prep Batch: 460-8451		Lab File ID:	b24666.d
Dilution:	1.0			Initial Weight/Volume:	4.88 g
Date Analyzed:	06/07/2009 1649			Final Weight/Volume:	1.0 mL
Date Prepared:	06/06/2009 0625				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Chloromethane		1.1	U	0.70	1.1
Bromomethane		1.1	U	0.45	1.1
Vinyl chloride		1.1	U	0.26	1.1
Chloroethane		1.1	U	0.44	1.1
Methylene Chloride		1.1	U	0.52	1.1
Acetone		20	B	4.1	11
Carbon disulfide		0.70	J	0.52	1.1
1,1-Dichloroethene		1.1	U	0.41	1.1
1,1-Dichloroethane		1.1	U	0.28	1.1
trans-1,2-Dichloroethene		1.1	U	0.31	1.1
cis-1,2-Dichloroethene		1.1	U	0.26	1.1
Chloroform		1.1	U	0.26	1.1
1,2-Dichloroethane		1.1	U	0.43	1.1
2-Butanone		11	U	0.63	11
1,1,1-Trichloroethane		1.1	U	0.21	1.1
Carbon tetrachloride		1.1	U	0.11	1.1
Bromodichloromethane		1.1	U	0.34	1.1
1,2-Dichloropropane		1.1	U	0.35	1.1
cis-1,3-Dichloropropene		1.1	U	0.22	1.1
Trichloroethene		1.1	U	0.40	1.1
Dibromochloromethane		1.1	U	0.62	1.1
1,1,2-Trichloroethane		1.1	U	0.66	1.1
Benzene		1.1	U	0.82	1.1
trans-1,3-Dichloropropene		1.1	U	0.25	1.1
Bromoform		1.1	U	0.78	1.1
4-Methyl-2-pentanone		11	U	0.79	11
2-Hexanone		11	U	1.9	11
Tetrachloroethene		1.1	U	0.37	1.1
1,1,2,2-Tetrachloroethane		1.1	U	0.84	1.1
Toluene		1.1	U	0.33	1.1
Chlorobenzene		1.1	U	0.54	1.1
Ethylbenzene		1.1	U	0.21	1.1
Styrene		1.1	U	0.38	1.1
Xylenes, Total		3.3	U	0.87	3.3

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	100		53 - 128
Bromofluorobenzene	101		73 - 143
Toluene-d8 (Surr)	102		59 - 139

Client: Haley & Aldrich, Inc. Job Number: 460-2512-1

Client Sample ID: **B-122:S1**

Lab Sample ID: 460-2512-6 Date Sampled: 06/05/2009 1130
Client Matrix: Solid % Moisture: 9.9 Date Received: 06/05/2009 1700

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 460-8464		Instrument ID:	VOAMS2
Preparation:	5035	Prep Batch: 460-8451		Lab File ID:	b24666.d
Dilution:	1.0			Initial Weight/Volume:	4.88 g
Date Analyzed:	06/07/2009 1649			Final Weight/Volume:	1.0 mL
Date Prepared:	06/06/2009 0625				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Tentatively Identified Compound		None	

Client: Haley & Aldrich, Inc. Job Number: 460-2512-1

Client Sample ID: **B-122:S3**

Lab Sample ID: 460-2512-7 Date Sampled: 06/05/2009 1142
Client Matrix: Solid % Moisture: 28.3 Date Received: 06/05/2009 1700

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 460-8464		Instrument ID:	VOAMS2
Preparation:	5035	Prep Batch: 460-8451		Lab File ID:	b24667.d
Dilution:	1.0			Initial Weight/Volume:	4.70 g
Date Analyzed:	06/07/2009 1712			Final Weight/Volume:	1.0 mL
Date Prepared:	06/06/2009 0625				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Chloromethane		1.4	U	0.88	1.4
Bromomethane		1.4	U	0.57	1.4
Vinyl chloride		1.4	U	0.33	1.4
Chloroethane		1.4	U	0.56	1.4
Methylene Chloride		1.4	U	0.66	1.4
Acetone		14	B	5.2	14
Carbon disulfide		1.4	J	0.65	1.4
1,1-Dichloroethene		1.4	U	0.51	1.4
1,1-Dichloroethane		1.4	U	0.35	1.4
trans-1,2-Dichloroethene		1.4	U	0.39	1.4
cis-1,2-Dichloroethene		1.4	U	0.33	1.4
Chloroform		1.4	U	0.33	1.4
1,2-Dichloroethane		1.4	U	0.54	1.4
2-Butanone		14	U	0.79	14
1,1,1-Trichloroethane		1.4	U	0.26	1.4
Carbon tetrachloride		1.4	U	0.14	1.4
Bromodichloromethane		1.4	U	0.42	1.4
1,2-Dichloropropane		1.4	U	0.44	1.4
cis-1,3-Dichloropropene		1.4	U	0.28	1.4
Trichloroethene		1.4	U	0.51	1.4
Dibromochloromethane		1.4	U	0.78	1.4
1,1,2-Trichloroethane		1.4	U	0.83	1.4
Benzene		1.4	U	1.0	1.4
trans-1,3-Dichloropropene		1.4	U	0.31	1.4
Bromoform		1.4	U	0.98	1.4
4-Methyl-2-pentanone		14	U	1.0	14
2-Hexanone		14	U	2.3	14
Tetrachloroethene		1.4	U	0.46	1.4
1,1,2,2-Tetrachloroethane		1.4	U	1.1	1.4
Toluene		1.4	U	0.42	1.4
Chlorobenzene		1.4	U	0.67	1.4
Ethylbenzene		1.4	U	0.27	1.4
Styrene		1.4	U	0.48	1.4
Xylenes, Total		4.2	U	1.1	4.2

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	106		53 - 128
Bromofluorobenzene	107		73 - 143
Toluene-d8 (Surr)	105		59 - 139

Client: Haley & Aldrich, Inc. Job Number: 460-2512-1

Client Sample ID: **B-122:S3**

Lab Sample ID: 460-2512-7 Date Sampled: 06/05/2009 1142
Client Matrix: Solid % Moisture: 28.3 Date Received: 06/05/2009 1700

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 460-8464		Instrument ID:	VOAMS2
Preparation:	5035	Prep Batch: 460-8451		Lab File ID:	b24667.d
Dilution:	1.0			Initial Weight/Volume:	4.70 g
Date Analyzed:	06/07/2009 1712			Final Weight/Volume:	1.0 mL
Date Prepared:	06/06/2009 0625				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Tentatively Identified Compound		None	

Client: Haley & Aldrich, Inc. Job Number: 460-2512-1

Client Sample ID: **B-105:S1**

Lab Sample ID: 460-2512-1 Date Sampled: 06/05/2009 1235
Client Matrix: Solid % Moisture: 11.9 Date Received: 06/05/2009 1700

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-8978		Instrument ID:	BNAMS6
Preparation:	3541	Prep Batch: 460-8481		Lab File ID:	m43395.d
Dilution:	2.0			Initial Weight/Volume:	15.00 g
Date Analyzed:	06/11/2009 0844			Final Weight/Volume:	1 mL
Date Prepared:	06/08/2009 0645			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Bis(2-chloroethyl)ether		75	U	16	75
1,3-Dichlorobenzene		750	U	100	750
1,4-Dichlorobenzene		750	U	110	750
1,2-Dichlorobenzene		750	U	120	750
N-Nitrosodi-n-propylamine		75	U	9.9	75
Hexachloroethane		75	U	13	75
Nitrobenzene		75	U	17	75
Isophorone		750	U	86	750
Bis(2-chloroethoxy)methane		750	U	110	750
1,2,4-Trichlorobenzene		75	U	12	75
Naphthalene		240	J	110	750
4-Chloroaniline		750	U	94	750
Hexachlorobutadiene		150	U	30	150
2-Methylnaphthalene		130	J	110	750
Hexachlorocyclopentadiene		750	U	220	750
2-Chloronaphthalene		750	U	110	750
2-Nitroaniline		1500	U	210	1500
Dimethyl phthalate		750	U	100	750
Acenaphthylene		750	U	110	750
2,6-Dinitrotoluene		150	U	19	150
3-Nitroaniline		1500	U	170	1500
Acenaphthene		590	J	110	750
Dibenzofuran		270	J	110	750
2,4-Dinitrotoluene		150	U	22	150
Diethyl phthalate		750	U	100	750
4-Chlorophenyl phenyl ether		750	U	130	750
Fluorene		440	J	130	750
4-Nitroaniline		1500	U	160	1500
N-Nitrosodiphenylamine		750	U	120	750
4-Bromophenyl phenyl ether		750	U	130	750
Hexachlorobenzene		75	U	10	75
Phenanthrene		5600		130	750
Anthracene		1000		130	750
Carbazole		600	J	120	750
Di-n-butyl phthalate		750	U	110	750
Fluoranthene		7900		120	750
Pyrene		7700		130	750
Butyl benzyl phthalate		290	J	88	750
3,3'-Dichlorobenzidine		1500	U	170	1500
Benzo[a]anthracene		3300		14	75
Chrysene		3800		110	750
Bis(2-ethylhexyl) phthalate		5300		100	750
Di-n-octyl phthalate		2300		89	750
Benzo[b]fluoranthene		3300		11	75
Benzo[k]fluoranthene		4100		11	75
Benzo[a]pyrene		3100		9.2	75

Client: Haley & Aldrich, Inc. Job Number: 460-2512-1

Client Sample ID: **B-105:S1**

Lab Sample ID: 460-2512-1 Date Sampled: 06/05/2009 1235
Client Matrix: Solid % Moisture: 11.9 Date Received: 06/05/2009 1700

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-8978		Instrument ID:	BNAMS6
Preparation:	3541	Prep Batch: 460-8481		Lab File ID:	m43395.d
Dilution:	2.0			Initial Weight/Volume:	15.00 g
Date Analyzed:	06/11/2009 0844			Final Weight/Volume:	1 mL
Date Prepared:	06/08/2009 0645			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Indeno[1,2,3-cd]pyrene		860		12	75
Dibenz(a,h)anthracene		380		9.0	75
Benzo[g,h,i]perylene		780		79	750
bis (2-chloroisopropyl) ether		750	U	99	750

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	74		36 - 93
Nitrobenzene-d5	78		31 - 97
Terphenyl-d14	86		40 - 129

Client: Haley & Aldrich, Inc. Job Number: 460-2512-1

Client Sample ID: **B-105:S1**

Lab Sample ID: 460-2512-1 Date Sampled: 06/05/2009 1235
Client Matrix: Solid % Moisture: 11.9 Date Received: 06/05/2009 1700

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-8978		Instrument ID:	BNAMS6
Preparation:	3541	Prep Batch: 460-8481		Lab File ID:	m43395.d
Dilution:	2.0			Initial Weight/Volume:	15.00 g
Date Analyzed:	06/11/2009 0844			Final Weight/Volume:	1 mL
Date Prepared:	06/08/2009 0645			Injection Volume:	1.0 uL

Tentatively Identified Compounds **Number TIC's Found:** **11**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	9.26	2100	T J
	C15H12 PAH	10.62	660	T J
	C15H10 PAH	10.72	1200	T J
84-65-1	9,10-Anthracenedione	10.92	780	T J N
	C17H12 PAH	11.87	720	T J
	Unknown Phthalate	13.41	780	T J
	Unknown Phthalate	14.18	4400	T J
	C20H12 PAH	14.39	2800	T J
	C20H12 PAH	14.56	1300	T J
	Unknown	14.73	1400	T J
	Unknown Phthalate	15.01	2800	T J

Client: Haley & Aldrich, Inc. Job Number: 460-2512-1

Client Sample ID: **B-105:S2**

Lab Sample ID: 460-2512-2 Date Sampled: 06/05/2009 1237
Client Matrix: Solid % Moisture: 13.2 Date Received: 06/05/2009 1700

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-8978		Instrument ID:	BNAMS6
Preparation:	3541	Prep Batch: 460-8481		Lab File ID:	m43394.d
Dilution:	2.0			Initial Weight/Volume:	15.00 g
Date Analyzed:	06/11/2009 0820			Final Weight/Volume:	1 mL
Date Prepared:	06/08/2009 0645			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Bis(2-chloroethyl)ether		76	U	16	76
1,3-Dichlorobenzene		760	U	100	760
1,4-Dichlorobenzene		760	U	110	760
1,2-Dichlorobenzene		760	U	120	760
N-Nitrosodi-n-propylamine		76	U	10	76
Hexachloroethane		76	U	13	76
Nitrobenzene		76	U	17	76
Isophorone		760	U	88	760
Bis(2-chloroethoxy)methane		760	U	110	760
1,2,4-Trichlorobenzene		76	U	12	76
Naphthalene		560	J	110	760
4-Chloroaniline		760	U	96	760
Hexachlorobutadiene		150	U	31	150
2-Methylnaphthalene		250	J	110	760
Hexachlorocyclopentadiene		760	U	220	760
2-Chloronaphthalene		760	U	110	760
2-Nitroaniline		1500	U	210	1500
Dimethyl phthalate		760	U	100	760
Acenaphthylene		760	U	110	760
2,6-Dinitrotoluene		150	U	19	150
3-Nitroaniline		1500	U	170	1500
Acenaphthene		1100		110	760
Dibenzofuran		570	J	110	760
2,4-Dinitrotoluene		150	U	22	150
Diethyl phthalate		760	U	100	760
4-Chlorophenyl phenyl ether		760	U	130	760
Fluorene		870		130	760
4-Nitroaniline		1500	U	160	1500
N-Nitrosodiphenylamine		760	U	120	760
4-Bromophenyl phenyl ether		760	U	140	760
Hexachlorobenzene		76	U	11	76
Phenanthrene		11000		130	760
Anthracene		1600		130	760
Carbazole		990		120	760
Di-n-butyl phthalate		760	U	120	760
Fluoranthene		13000		130	760
Pyrene		11000		130	760
Butyl benzyl phthalate		180	J	89	760
3,3'-Dichlorobenzidine		1500	U	170	1500
Benzo[a]anthracene		5000		14	76
Chrysene		5600		110	760
Bis(2-ethylhexyl) phthalate		7200		100	760
Di-n-octyl phthalate		2600		91	760
Benzo[b]fluoranthene		5200		11	76
Benzo[k]fluoranthene		5000		11	76
Benzo[a]pyrene		4300		9.4	76

Client: Haley & Aldrich, Inc. Job Number: 460-2512-1

Client Sample ID: **B-105:S2**

Lab Sample ID: 460-2512-2 Date Sampled: 06/05/2009 1237
Client Matrix: Solid % Moisture: 13.2 Date Received: 06/05/2009 1700

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-8978		Instrument ID:	BNAMS6
Preparation:	3541	Prep Batch: 460-8481		Lab File ID:	m43394.d
Dilution:	2.0			Initial Weight/Volume:	15.00 g
Date Analyzed:	06/11/2009 0820			Final Weight/Volume:	1 mL
Date Prepared:	06/08/2009 0645			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Indeno[1,2,3-cd]pyrene		1000		12	76
Dibenz(a,h)anthracene		410		9.2	76
Benzo[g,h,i]perylene		930		80	760
bis (2-chloroisopropyl) ether		760	U	100	760

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	70		36 - 93
Nitrobenzene-d5	72		31 - 97
Terphenyl-d14	80		40 - 129

Client: Haley & Aldrich, Inc. Job Number: 460-2512-1

Client Sample ID: **B-105:S2**

Lab Sample ID: 460-2512-2 Date Sampled: 06/05/2009 1237
Client Matrix: Solid % Moisture: 13.2 Date Received: 06/05/2009 1700

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-8978		Instrument ID:	BNAMS6
Preparation:	3541	Prep Batch: 460-8481		Lab File ID:	m43394.d
Dilution:	2.0			Initial Weight/Volume:	15.00 g
Date Analyzed:	06/11/2009 0820			Final Weight/Volume:	1 mL
Date Prepared:	06/08/2009 0645			Injection Volume:	1.0 uL

Tentatively Identified Compounds **Number TIC's Found:** **11**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	9.25	4500	T J
	C15H12 PAH	10.59	890	T J
	C15H12 PAH	10.62	1100	T J
	C15H10 PAH	10.72	2300	T J
84-65-1	9,10-Anthracenedione	10.92	1400	T J N
	C17H12 PAH	11.88	890	T J
	Unknown Phthalate	13.40	720	T J
	Unknown Phthalate	14.19	5600	T J
	C20H12 PAH	14.39	3600	T J
	C20H12 PAH	14.56	1400	T J
	Unknown Phthalate	15.02	3000	T J

Client: Haley & Aldrich, Inc. Job Number: 460-2512-1

Client Sample ID: **B-105:S3**

Lab Sample ID: 460-2512-3 Date Sampled: 06/05/2009 1240
Client Matrix: Solid % Moisture: 18.3 Date Received: 06/05/2009 1700

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-8973		Instrument ID:	BNAMS6
Preparation:	3541	Prep Batch: 460-8481		Lab File ID:	m43359.d
Dilution:	1.0			Initial Weight/Volume:	15.03 g
Date Analyzed:	06/10/2009 1617			Final Weight/Volume:	1 mL
Date Prepared:	06/08/2009 0645			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Bis(2-chloroethyl)ether		40	U	8.4	40
1,3-Dichlorobenzene		400	U	55	400
1,4-Dichlorobenzene		400	U	60	400
1,2-Dichlorobenzene		400	U	65	400
N-Nitrosodi-n-propylamine		40	U	5.3	40
Hexachloroethane		40	U	6.8	40
Nitrobenzene		40	U	9.0	40
Isophorone		400	U	46	400
Bis(2-chloroethoxy)methane		400	U	58	400
1,2,4-Trichlorobenzene		40	U	6.6	40
Naphthalene		400	U	59	400
4-Chloroaniline		400	U	51	400
Hexachlorobutadiene		82	U	16	82
2-Methylnaphthalene		400	U	59	400
Hexachlorocyclopentadiene		400	U	120	400
2-Chloronaphthalene		400	U	57	400
2-Nitroaniline		820	U	110	820
Dimethyl phthalate		400	U	55	400
Acenaphthylene		400	U	58	400
2,6-Dinitrotoluene		82	U	10	82
3-Nitroaniline		820	U	91	820
Acenaphthene		400	U	58	400
Dibenzofuran		400	U	61	400
2,4-Dinitrotoluene		82	U	12	82
Diethyl phthalate		400	U	54	400
4-Chlorophenyl phenyl ether		400	U	70	400
Fluorene		400	U	68	400
4-Nitroaniline		820	U	83	820
N-Nitrosodiphenylamine		400	U	66	400
4-Bromophenyl phenyl ether		400	U	72	400
Hexachlorobenzene		40	U	5.6	40
Phenanthrene		280	J	71	400
Anthracene		75	J	71	400
Carbazole		400	U	64	400
Di-n-butyl phthalate		400	U	62	400
Fluoranthene		350	J	67	400
Pyrene		300	J	70	400
Butyl benzyl phthalate		400	U	47	400
3,3'-Dichlorobenzidine		820	U	89	820
Benzo[a]anthracene		190		7.5	40
Chrysene		260	J	59	400
Bis(2-ethylhexyl) phthalate		95	J	54	400
Di-n-octyl phthalate		400	U	48	400
Benzo[b]fluoranthene		190		6.0	40
Benzo[k]fluoranthene		140		5.7	40
Benzo[a]pyrene		170		5.0	40

Client: Haley & Aldrich, Inc. Job Number: 460-2512-1

Client Sample ID: **B-105:S3**

Lab Sample ID: 460-2512-3 Date Sampled: 06/05/2009 1240
Client Matrix: Solid % Moisture: 18.3 Date Received: 06/05/2009 1700

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-8973		Instrument ID:	BNAMS6
Preparation:	3541	Prep Batch: 460-8481		Lab File ID:	m43359.d
Dilution:	1.0			Initial Weight/Volume:	15.03 g
Date Analyzed:	06/10/2009 1617			Final Weight/Volume:	1 mL
Date Prepared:	06/08/2009 0645			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Indeno[1,2,3-cd]pyrene		81		6.5	40
Dibenz(a,h)anthracene		40	U	4.9	40
Benzo[g,h,i]perylene		88	J	43	400
bis (2-chloroisopropyl) ether		400	U	53	400

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	79		36 - 93
Nitrobenzene-d5	73		31 - 97
Terphenyl-d14	82		40 - 129

Client: Haley & Aldrich, Inc. Job Number: 460-2512-1

Client Sample ID: **B-105:S3**

Lab Sample ID: 460-2512-3 Date Sampled: 06/05/2009 1240
Client Matrix: Solid % Moisture: 18.3 Date Received: 06/05/2009 1700

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-8973		Instrument ID:	BNAMS6
Preparation:	3541	Prep Batch: 460-8481		Lab File ID:	m43359.d
Dilution:	1.0			Initial Weight/Volume:	15.03 g
Date Analyzed:	06/10/2009 1617			Final Weight/Volume:	1 mL
Date Prepared:	06/08/2009 0645			Injection Volume:	1.0 uL

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Tentatively Identified Compound		None	

Client: Haley & Aldrich, Inc. Job Number: 460-2512-1

Client Sample ID: **B-107:S1**

Lab Sample ID: 460-2512-4 Date Sampled: 06/05/2009 0845
Client Matrix: Solid % Moisture: 15.6 Date Received: 06/05/2009 1700

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-8978		Instrument ID:	BNAMS6
Preparation:	3541	Prep Batch: 460-8481		Lab File ID:	m43390.d
Dilution:	1.0			Initial Weight/Volume:	15.00 g
Date Analyzed:	06/11/2009 0641			Final Weight/Volume:	1 mL
Date Prepared:	06/08/2009 0645			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Bis(2-chloroethyl)ether		39	U	8.2	39
1,3-Dichlorobenzene		390	U	54	390
1,4-Dichlorobenzene		390	U	59	390
1,2-Dichlorobenzene		390	U	63	390
N-Nitrosodi-n-propylamine		39	U	5.2	39
Hexachloroethane		39	U	6.6	39
Nitrobenzene		39	U	8.8	39
Isophorone		390	U	45	390
Bis(2-chloroethoxy)methane		390	U	56	390
1,2,4-Trichlorobenzene		39	U	6.4	39
Naphthalene		150	J	57	390
4-Chloroaniline		390	U	49	390
Hexachlorobutadiene		79	U	16	79
2-Methylnaphthalene		98	J	57	390
Hexachlorocyclopentadiene		390	U	110	390
2-Chloronaphthalene		390	U	55	390
2-Nitroaniline		790	U	110	790
Dimethyl phthalate		390	U	53	390
Acenaphthylene		69	J	56	390
2,6-Dinitrotoluene		79	U	10	79
3-Nitroaniline		790	U	89	790
Acenaphthene		150	J	56	390
Dibenzofuran		170	J	59	390
2,4-Dinitrotoluene		79	U	11	79
Diethyl phthalate		390	U	53	390
4-Chlorophenyl phenyl ether		390	U	67	390
Fluorene		180	J	66	390
4-Nitroaniline		790	U	81	790
N-Nitrosodiphenylamine		390	U	64	390
4-Bromophenyl phenyl ether		390	U	70	390
Hexachlorobenzene		39	U	5.4	39
Phenanthrene		3300		68	390
Anthracene		710		69	390
Carbazole		180	J	62	390
Di-n-butyl phthalate		390	U	60	390
Fluoranthene		5000		65	390
Pyrene		4300		68	390
Butyl benzyl phthalate		390	U	46	390
3,3'-Dichlorobenzidine		790	U	87	790
Benzo[a]anthracene		2100		7.2	39
Chrysene		2300		57	390
Bis(2-ethylhexyl) phthalate		390	U	52	390
Di-n-octyl phthalate		390	U	47	390
Benzo[b]fluoranthene		1800		5.8	39
Benzo[k]fluoranthene		1700		5.5	39
Benzo[a]pyrene		1900		4.8	39

Client: Haley & Aldrich, Inc. Job Number: 460-2512-1

Client Sample ID: **B-107:S1**

Lab Sample ID: 460-2512-4 Date Sampled: 06/05/2009 0845
Client Matrix: Solid % Moisture: 15.6 Date Received: 06/05/2009 1700

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-8978		Instrument ID:	BNAMS6
Preparation:	3541	Prep Batch: 460-8481		Lab File ID:	m43390.d
Dilution:	1.0			Initial Weight/Volume:	15.00 g
Date Analyzed:	06/11/2009 0641			Final Weight/Volume:	1 mL
Date Prepared:	06/08/2009 0645			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Indeno[1,2,3-cd]pyrene		670		6.3	39
Dibenz(a,h)anthracene		310		4.7	39
Benzo[g,h,i]perylene		690		41	390
bis (2-chloroisopropyl) ether		390	U	51	390

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	71		36 - 93
Nitrobenzene-d5	70		31 - 97
Terphenyl-d14	72		40 - 129

Client: Haley & Aldrich, Inc. Job Number: 460-2512-1

Client Sample ID: **B-107:S1**

Lab Sample ID: 460-2512-4 Date Sampled: 06/05/2009 0845
Client Matrix: Solid % Moisture: 15.6 Date Received: 06/05/2009 1700

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-8978		Instrument ID:	BNAMS6
Preparation:	3541	Prep Batch: 460-8481		Lab File ID:	m43390.d
Dilution:	1.0			Initial Weight/Volume:	15.00 g
Date Analyzed:	06/11/2009 0641			Final Weight/Volume:	1 mL
Date Prepared:	06/08/2009 0645			Injection Volume:	1.0 uL

Tentatively Identified Compounds **Number TIC's Found:** **10**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	C15H12 PAH	10.59	410	T J
	C15H12 PAH	10.61	530	T J
	C15H10/C15H12 PAHs	10.71	960	T J
	C16H14 PAH	11.15	360	T J
	C17H12 PAH	11.88	400	T J
	C20H12 PAH	14.17	390	T J
	C20H12 PAH	14.40	1500	T J
	C20H12 PAH	14.57	790	T J
	Unknown	14.77	340	T J
	Unknown	18.17	800	T J

Client: Haley & Aldrich, Inc. Job Number: 460-2512-1

Client Sample ID: **B-107:S3**

Lab Sample ID: 460-2512-5 Date Sampled: 06/05/2009 0850
Client Matrix: Solid % Moisture: 13.7 Date Received: 06/05/2009 1700

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-8973		Instrument ID:	BNAMS6
Preparation:	3541	Prep Batch: 460-8481		Lab File ID:	m43351.d
Dilution:	1.0			Initial Weight/Volume:	14.97 g
Date Analyzed:	06/10/2009 1245			Final Weight/Volume:	1 mL
Date Prepared:	06/08/2009 0645			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Bis(2-chloroethyl)ether		38	U	8.0	38
1,3-Dichlorobenzene		380	U	53	380
1,4-Dichlorobenzene		380	U	57	380
1,2-Dichlorobenzene		380	U	61	380
N-Nitrosodi-n-propylamine		38	U	5.1	38
Hexachloroethane		38	U	6.5	38
Nitrobenzene		38	U	8.6	38
Isophorone		380	U	44	380
Bis(2-chloroethoxy)methane		380	U	55	380
1,2,4-Trichlorobenzene		38	U	6.3	38
Naphthalene		590		56	380
4-Chloroaniline		380	U	48	380
Hexachlorobutadiene		78	U	16	78
2-Methylnaphthalene		92	J	56	380
Hexachlorocyclopentadiene		380	U	110	380
2-Chloronaphthalene		380	U	54	380
2-Nitroaniline		780	U	110	780
Dimethyl phthalate		380	U	52	380
Acenaphthylene		380	U	55	380
2,6-Dinitrotoluene		78	U	9.8	78
3-Nitroaniline		780	U	87	780
Acenaphthene		250	J	55	380
Dibenzofuran		60	J	58	380
2,4-Dinitrotoluene		78	U	11	78
Diethyl phthalate		380	U	52	380
4-Chlorophenyl phenyl ether		380	U	66	380
Fluorene		190	J	65	380
4-Nitroaniline		780	U	79	780
N-Nitrosodiphenylamine		380	U	63	380
4-Bromophenyl phenyl ether		380	U	68	380
Hexachlorobenzene		38	U	5.3	38
Phenanthrene		960		67	380
Anthracene		240	J	68	380
Carbazole		380	U	61	380
Di-n-butyl phthalate		380	U	59	380
Fluoranthene		730		64	380
Pyrene		680		66	380
Butyl benzyl phthalate		380	U	45	380
3,3'-Dichlorobenzidine		780	U	85	780
Benzo[a]anthracene		250		7.1	38
Chrysene		310	J	56	380
Bis(2-ethylhexyl) phthalate		380	U	51	380
Di-n-octyl phthalate		380	U	46	380
Benzo[b]fluoranthene		170		5.7	38
Benzo[k]fluoranthene		150		5.4	38
Benzo[a]pyrene		200		4.7	38

Client: Haley & Aldrich, Inc. Job Number: 460-2512-1

Client Sample ID: **B-107:S3**

Lab Sample ID: 460-2512-5 Date Sampled: 06/05/2009 0850
Client Matrix: Solid % Moisture: 13.7 Date Received: 06/05/2009 1700

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-8973		Instrument ID:	BNAMS6
Preparation:	3541	Prep Batch: 460-8481		Lab File ID:	m43351.d
Dilution:	1.0			Initial Weight/Volume:	14.97 g
Date Analyzed:	06/10/2009 1245			Final Weight/Volume:	1 mL
Date Prepared:	06/08/2009 0645			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Indeno[1,2,3-cd]pyrene		100		6.1	38
Dibenz(a,h)anthracene		38	U	4.6	38
Benzo[g,h,i]perylene		130	J	41	380
bis (2-chloroisopropyl) ether		380	U	50	380

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	84		36 - 93
Nitrobenzene-d5	78		31 - 97
Terphenyl-d14	99		40 - 129

Client: Haley & Aldrich, Inc. Job Number: 460-2512-1

Client Sample ID: **B-107:S3**

Lab Sample ID: 460-2512-5 Date Sampled: 06/05/2009 0850
Client Matrix: Solid % Moisture: 13.7 Date Received: 06/05/2009 1700

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-8973		Instrument ID:	BNAMS6
Preparation:	3541	Prep Batch: 460-8481		Lab File ID:	m43351.d
Dilution:	1.0			Initial Weight/Volume:	14.97 g
Date Analyzed:	06/10/2009 1245			Final Weight/Volume:	1 mL
Date Prepared:	06/08/2009 0645			Injection Volume:	1.0 uL

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Tentatively Identified Compound		None	

Client: Haley & Aldrich, Inc. Job Number: 460-2512-1

Client Sample ID: **B-122:S1**

Lab Sample ID: 460-2512-6 Date Sampled: 06/05/2009 1130
Client Matrix: Solid % Moisture: 9.9 Date Received: 06/05/2009 1700

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-8973		Instrument ID:	BNAMS6
Preparation:	3541	Prep Batch: 460-8481		Lab File ID:	m43361.d
Dilution:	2.0			Initial Weight/Volume:	15.00 g
Date Analyzed:	06/10/2009 1709			Final Weight/Volume:	1 mL
Date Prepared:	06/08/2009 0645			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Bis(2-chloroethyl)ether		73	U	15	73
1,3-Dichlorobenzene		730	U	100	730
1,4-Dichlorobenzene		730	U	110	730
1,2-Dichlorobenzene		730	U	120	730
N-Nitrosodi-n-propylamine		73	U	9.7	73
Hexachloroethane		73	U	12	73
Nitrobenzene		73	U	16	73
Isophorone		730	U	84	730
Bis(2-chloroethoxy)methane		730	U	100	730
1,2,4-Trichlorobenzene		73	U	12	73
Naphthalene		730	U	110	730
4-Chloroaniline		730	U	92	730
Hexachlorobutadiene		150	U	30	150
2-Methylnaphthalene		730	U	110	730
Hexachlorocyclopentadiene		730	U	210	730
2-Chloronaphthalene		730	U	100	730
2-Nitroaniline		1500	U	200	1500
Dimethyl phthalate		730	U	99	730
Acenaphthylene		350	J	110	730
2,6-Dinitrotoluene		150	U	19	150
3-Nitroaniline		1500	U	170	1500
Acenaphthene		110	J	100	730
Dibenzofuran		730	U	110	730
2,4-Dinitrotoluene		150	U	21	150
Diethyl phthalate		730	U	99	730
4-Chlorophenyl phenyl ether		730	U	130	730
Fluorene		130	J	120	730
4-Nitroaniline		1500	U	150	1500
N-Nitrosodiphenylamine		730	U	120	730
4-Bromophenyl phenyl ether		730	U	130	730
Hexachlorobenzene		73	U	10	73
Phenanthrene		1600		130	730
Anthracene		400	J	130	730
Carbazole		730	U	120	730
Di-n-butyl phthalate		730	U	110	730
Fluoranthene		2600		120	730
Pyrene		2200		130	730
Butyl benzyl phthalate		730	U	86	730
3,3'-Dichlorobenzidine		1500	U	160	1500
Benzo[a]anthracene		1100		14	73
Chrysene		1200		110	730
Bis(2-ethylhexyl) phthalate		730	U	97	730
Di-n-octyl phthalate		730	U	87	730
Benzo[b]fluoranthene		970		11	73
Benzo[k]fluoranthene		970		10	73
Benzo[a]pyrene		1000		9.0	73

Client: Haley & Aldrich, Inc. Job Number: 460-2512-1

Client Sample ID: **B-122:S1**

Lab Sample ID: 460-2512-6 Date Sampled: 06/05/2009 1130
Client Matrix: Solid % Moisture: 9.9 Date Received: 06/05/2009 1700

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-8973		Instrument ID:	BNAMS6
Preparation:	3541	Prep Batch: 460-8481		Lab File ID:	m43361.d
Dilution:	2.0			Initial Weight/Volume:	15.00 g
Date Analyzed:	06/10/2009 1709			Final Weight/Volume:	1 mL
Date Prepared:	06/08/2009 0645			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Indeno[1,2,3-cd]pyrene		420		12	73
Dibenz(a,h)anthracene		73	U	8.8	73
Benzo[g,h,i]perylene		430	J	78	730
bis (2-chloroisopropyl) ether		730	U	96	730

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	70		36 - 93
Nitrobenzene-d5	75		31 - 97
Terphenyl-d14	82		40 - 129

Client: Haley & Aldrich, Inc. Job Number: 460-2512-1

Client Sample ID: **B-122:S1**

Lab Sample ID: 460-2512-6 Date Sampled: 06/05/2009 1130
Client Matrix: Solid % Moisture: 9.9 Date Received: 06/05/2009 1700

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-8973		Instrument ID:	BNAMS6
Preparation:	3541	Prep Batch: 460-8481		Lab File ID:	m43361.d
Dilution:	2.0			Initial Weight/Volume:	15.00 g
Date Analyzed:	06/10/2009 1709			Final Weight/Volume:	1 mL
Date Prepared:	06/08/2009 0645			Injection Volume:	1.0 uL

Tentatively Identified Compounds **Number TIC's Found:** **15**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	C9H10 Aromatic	5.23	2300	T J
	C9H10 Aromatic	5.26	2300	T J
	C9H8 Aromatic	5.72	1200	T J
	C10H12 Aromatic	6.14	940	T J
	C10H12 Aromatic	6.33	1400	T J
	Unknown	6.35	1400	T J
	C1010 Aromatic	6.54	1400	T J
	C10H10 Aromatic	6.61	3000	T J
	Tetramethylbenzene isomer	7.05	1800	T J
	C11H12 Aromatic	7.29	870	T J
	C11H12 Aromatic	7.35	890	T J
	C11H16 Aromatic	7.75	680	T J
	C11H16 Aromatic	7.86	660	T J
	Unknown	8.07	740	T J
	C20H12 PAH	14.46	1100	T J

Client: Haley & Aldrich, Inc. Job Number: 460-2512-1

Client Sample ID: **B-122:S3**

Lab Sample ID: 460-2512-7 Date Sampled: 06/05/2009 1142
Client Matrix: Solid % Moisture: 28.3 Date Received: 06/05/2009 1700

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-8973		Instrument ID:	BNAMS6
Preparation:	3541	Prep Batch: 460-8481		Lab File ID:	m43354.d
Dilution:	1.0			Initial Weight/Volume:	15.01 g
Date Analyzed:	06/10/2009 1402			Final Weight/Volume:	1 mL
Date Prepared:	06/08/2009 0645			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Bis(2-chloroethyl)ether		46	U	9.6	46
1,3-Dichlorobenzene		460	U	63	460
1,4-Dichlorobenzene		460	U	69	460
1,2-Dichlorobenzene		460	U	74	460
N-Nitrosodi-n-propylamine		46	U	6.1	46
Hexachloroethane		46	U	7.8	46
Nitrobenzene		46	U	10	46
Isophorone		460	U	53	460
Bis(2-chloroethoxy)methane		460	U	66	460
1,2,4-Trichlorobenzene		46	U	7.5	46
Naphthalene		82	J	67	460
4-Chloroaniline		460	U	58	460
Hexachlorobutadiene		93	U	19	93
2-Methylnaphthalene		460	U	67	460
Hexachlorocyclopentadiene		460	U	130	460
2-Chloronaphthalene		460	U	65	460
2-Nitroaniline		930	U	130	930
Dimethyl phthalate		460	U	62	460
Acenaphthylene		460	U	66	460
2,6-Dinitrotoluene		93	U	12	93
3-Nitroaniline		930	U	100	930
Acenaphthene		460	U	66	460
Dibenzofuran		460	U	69	460
2,4-Dinitrotoluene		93	U	13	93
Diethyl phthalate		460	U	62	460
4-Chlorophenyl phenyl ether		460	U	79	460
Fluorene		460	U	78	460
4-Nitroaniline		930	U	95	930
N-Nitrosodiphenylamine		460	U	75	460
4-Bromophenyl phenyl ether		460	U	82	460
Hexachlorobenzene		46	U	6.4	46
Phenanthrene		590		80	460
Anthracene		170	J	81	460
Carbazole		460	U	73	460
Di-n-butyl phthalate		460	U	71	460
Fluoranthene		1100		77	460
Pyrene		1100		80	460
Butyl benzyl phthalate		460	U	54	460
3,3'-Dichlorobenzidine		930	U	100	930
Benzo[a]anthracene		540		8.5	46
Chrysene		600		67	460
Bis(2-ethylhexyl) phthalate		460	U	61	460
Di-n-octyl phthalate		460	U	55	460
Benzo[b]fluoranthene		420		6.9	46
Benzo[k]fluoranthene		430		6.5	46
Benzo[a]pyrene		550		5.7	46

Client: Haley & Aldrich, Inc. Job Number: 460-2512-1

Client Sample ID: **B-122:S3**

Lab Sample ID: 460-2512-7 Date Sampled: 06/05/2009 1142
Client Matrix: Solid % Moisture: 28.3 Date Received: 06/05/2009 1700

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-8973		Instrument ID:	BNAMS6
Preparation:	3541	Prep Batch: 460-8481		Lab File ID:	m43354.d
Dilution:	1.0			Initial Weight/Volume:	15.01 g
Date Analyzed:	06/10/2009 1402			Final Weight/Volume:	1 mL
Date Prepared:	06/08/2009 0645			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Indeno[1,2,3-cd]pyrene		230		7.4	46
Dibenz(a,h)anthracene		46	U	5.5	46
Benzo[g,h,i]perylene		260	J	49	460
bis (2-chloroisopropyl) ether		460	U	61	460

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	77		36 - 93
Nitrobenzene-d5	76		31 - 97
Terphenyl-d14	98		40 - 129

Client: Haley & Aldrich, Inc. Job Number: 460-2512-1

Client Sample ID: **B-122:S3**

Lab Sample ID: 460-2512-7 Date Sampled: 06/05/2009 1142
Client Matrix: Solid % Moisture: 28.3 Date Received: 06/05/2009 1700

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-8973		Instrument ID:	BNAMS6
Preparation:	3541	Prep Batch: 460-8481		Lab File ID:	m43354.d
Dilution:	1.0			Initial Weight/Volume:	15.01 g
Date Analyzed:	06/10/2009 1402			Final Weight/Volume:	1 mL
Date Prepared:	06/08/2009 0645			Injection Volume:	1.0 uL

Tentatively Identified Compounds **Number TIC's Found:** **4**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	C20H12 PAH	14.46	470	T J
	Unknown	16.48	470	T J
	Unknown	16.61	740	T J
	Unknown	16.79	570	T J

Client: Haley & Aldrich, Inc. Job Number: 460-2512-1

Client Sample ID: **B-105:S1**

Lab Sample ID: 460-2512-1 Date Sampled: 06/05/2009 1235
Client Matrix: Solid % Moisture: 11.9 Date Received: 06/05/2009 1700

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 460-8900		Instrument ID:	PESTGC4
Preparation:	3541	Prep Batch: 460-8505		Initial Weight/Volume:	15.00 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	06/09/2009 1743			Injection Volume:	1.0 uL
Date Prepared:	06/08/2009 1009			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aldrin		7.6	U	1.7	7.6
alpha-BHC		4.9	J	1.4	7.6
beta-BHC		2.0	J	1.0	7.6
delta-BHC		7.6	U	1.2	7.6
gamma-BHC (Lindane)		7.6	U	0.89	7.6
Chlordane		76	U	16	76
4,4'-DDD		46		0.91	7.6
4,4'-DDE		8.4		1.5	7.6
4,4'-DDT		26		0.95	7.6
Dieldrin		19		1.5	7.6
Endosulfan I		7.6	U	1.6	7.6
Endosulfan II		7.6	U	1.1	7.6
Endosulfan sulfate		40		0.98	7.6
Endrin		3.6	J	1.1	7.6
Endrin aldehyde		3.1	J	1.9	7.6
Endrin ketone		11		1.1	7.6
Heptachlor		2.2	J	1.1	7.6
Heptachlor epoxide		11		1.5	7.6
Methoxychlor		11		0.85	7.6
Toxaphene		76	U	16	76

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	88		26 - 126
DCB Decachlorobiphenyl	86		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-2512-1

Client Sample ID: **B-105:S1**

Lab Sample ID: 460-2512-1 Date Sampled: 06/05/2009 1235
Client Matrix: Solid % Moisture: 11.9 Date Received: 06/05/2009 1700

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 460-8900	Instrument ID:	PESTGC4
Preparation:	3541	Prep Batch: 460-8505	Initial Weight/Volume:	15.00 g
Dilution:	1.0		Final Weight/Volume:	10 mL
Date Analyzed:	06/09/2009 1743		Injection Volume:	1.0 uL
Date Prepared:	06/08/2009 1009		Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	76		26 - 126
DCB Decachlorobiphenyl	347	X	48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-2512-1

Client Sample ID: **B-105:S2**

Lab Sample ID: 460-2512-2 Date Sampled: 06/05/2009 1237
Client Matrix: Solid % Moisture: 13.2 Date Received: 06/05/2009 1700

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 460-8900		Instrument ID:	PESTGC4
Preparation:	3541	Prep Batch: 460-8505		Initial Weight/Volume:	14.99 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	06/09/2009 1759			Injection Volume:	1.0 uL
Date Prepared:	06/08/2009 1009			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aldrin		7.7	U	1.7	7.7
alpha-BHC		7.3	J	1.4	7.7
beta-BHC		1.7	J	1.0	7.7
delta-BHC		7.7	U	1.2	7.7
gamma-BHC (Lindane)		7.7	U	0.90	7.7
Chlordane		77	U	17	77
4,4'-DDD		50		0.92	7.7
4,4'-DDE		7.7	J	1.5	7.7
4,4'-DDT		38		0.97	7.7
Dieldrin		21		1.5	7.7
Endosulfan I		7.7	U	1.6	7.7
Endosulfan II		7.7	U	1.2	7.7
Endosulfan sulfate		5.6	J	0.99	7.7
Endrin		3.6	J	1.1	7.7
Endrin aldehyde		30		1.9	7.7
Endrin ketone		14		1.1	7.7
Heptachlor		4.1	J	1.1	7.7
Heptachlor epoxide		4.8	J	1.6	7.7
Methoxychlor		9.1		0.86	7.7
Toxaphene		77	U	16	77

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	88		26 - 126
DCB Decachlorobiphenyl	82		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-2512-1

Client Sample ID: **B-105:S2**

Lab Sample ID: 460-2512-2 Date Sampled: 06/05/2009 1237
Client Matrix: Solid % Moisture: 13.2 Date Received: 06/05/2009 1700

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 460-8900		Instrument ID:	PESTGC4
Preparation:	3541	Prep Batch: 460-8505		Initial Weight/Volume:	14.99 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	06/09/2009 1759			Injection Volume:	1.0 uL
Date Prepared:	06/08/2009 1009			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	77		26 - 126
DCB Decachlorobiphenyl	568	E X	48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-2512-1

Client Sample ID: **B-105:S3**

Lab Sample ID: 460-2512-3 Date Sampled: 06/05/2009 1240
Client Matrix: Solid % Moisture: 18.3 Date Received: 06/05/2009 1700

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 460-8900		Instrument ID:	PESTGC4
Preparation:	3541	Prep Batch: 460-8505		Initial Weight/Volume:	15.01 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	06/09/2009 1815			Injection Volume:	1.0 uL
Date Prepared:	06/08/2009 1009			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aldrin		8.2	U	1.8	8.2
alpha-BHC		8.2	U	1.5	8.2
beta-BHC		8.2	U	1.1	8.2
delta-BHC		8.2	U	1.2	8.2
gamma-BHC (Lindane)		8.2	U	0.95	8.2
Chlordane		82	U	18	82
4,4'-DDD		4.8	J	0.98	8.2
4,4'-DDE		8.2	U	1.6	8.2
4,4'-DDT		3.7	J	1.0	8.2
Dieldrin		1.8	J	1.6	8.2
Endosulfan I		8.2	U	1.7	8.2
Endosulfan II		8.2	U	1.2	8.2
Endosulfan sulfate		11		1.1	8.2
Endrin		8.2	U	1.2	8.2
Endrin aldehyde		25		2.0	8.2
Endrin ketone		2.8	J	1.2	8.2
Heptachlor		3.7	J	1.2	8.2
Heptachlor epoxide		8.2	U	1.7	8.2
Methoxychlor		1.4	J	0.92	8.2
Toxaphene		82	U	17	82

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	89		26 - 126
DCB Decachlorobiphenyl	66		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-2512-1

Client Sample ID: **B-105:S3**

Lab Sample ID: 460-2512-3 Date Sampled: 06/05/2009 1240
Client Matrix: Solid % Moisture: 18.3 Date Received: 06/05/2009 1700

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 460-8900		Instrument ID:	PESTGC4
Preparation:	3541	Prep Batch: 460-8505		Initial Weight/Volume:	15.01 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	06/09/2009 1815			Injection Volume:	1.0 uL
Date Prepared:	06/08/2009 1009			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	85		26 - 126
DCB Decachlorobiphenyl	132		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-2512-1

Client Sample ID: **B-107:S1**

Lab Sample ID: 460-2512-4 Date Sampled: 06/05/2009 0845
Client Matrix: Solid % Moisture: 15.6 Date Received: 06/05/2009 1700

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 460-8900		Instrument ID:	PESTGC4
Preparation:	3541	Prep Batch: 460-8505		Initial Weight/Volume:	15.03 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	06/09/2009 1831			Injection Volume:	1.0 uL
Date Prepared:	06/08/2009 1009			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aldrin		7.9	U	1.7	7.9
alpha-BHC		7.9	U	1.5	7.9
beta-BHC		2.1	J	1.1	7.9
delta-BHC		7.9	U	1.2	7.9
gamma-BHC (Lindane)		7.9	U	0.92	7.9
Chlordane		79	U	17	79
4,4'-DDD		1.9	J	0.95	7.9
4,4'-DDE		7.9	U	1.5	7.9
4,4'-DDT		7.9	U	0.99	7.9
Dieldrin		7.9	U	1.5	7.9
Endosulfan I		7.9	U	1.7	7.9
Endosulfan II		1.9	J	1.2	7.9
Endosulfan sulfate		11		1.0	7.9
Endrin		1.8	J	1.1	7.9
Endrin aldehyde		3.5	J	2.0	7.9
Endrin ketone		7.6	J	1.2	7.9
Heptachlor		7.9	U	1.1	7.9
Heptachlor epoxide		7.9	U	1.6	7.9
Methoxychlor		11		0.89	7.9
Toxaphene		79	U	17	79

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	86		26 - 126
DCB Decachlorobiphenyl	69		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-2512-1

Client Sample ID: **B-107:S1**

Lab Sample ID: 460-2512-4 Date Sampled: 06/05/2009 0845
Client Matrix: Solid % Moisture: 15.6 Date Received: 06/05/2009 1700

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 460-8900		Instrument ID:	PESTGC4
Preparation:	3541	Prep Batch: 460-8505		Initial Weight/Volume:	15.03 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	06/09/2009 1831			Injection Volume:	1.0 uL
Date Prepared:	06/08/2009 1009			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	68		26 - 126
DCB Decachlorobiphenyl	282	X	48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-2512-1

Client Sample ID: **B-107:S3**

Lab Sample ID: 460-2512-5 Date Sampled: 06/05/2009 0850
Client Matrix: Solid % Moisture: 13.7 Date Received: 06/05/2009 1700

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 460-8900		Instrument ID:	PESTGC4
Preparation:	3541	Prep Batch: 460-8505		Initial Weight/Volume:	15.01 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	06/09/2009 1847			Injection Volume:	1.0 uL
Date Prepared:	06/08/2009 1009			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aldrin		7.8	U	1.7	7.8
alpha-BHC		7.8	U	1.4	7.8
beta-BHC		7.8	U	1.1	7.8
delta-BHC		7.8	U	1.2	7.8
gamma-BHC (Lindane)		7.8	U	0.90	7.8
Chlordane		78	U	17	78
4,4'-DDD		7.8	U	0.93	7.8
4,4'-DDE		7.8	U	1.5	7.8
4,4'-DDT		7.8	U	0.97	7.8
Dieldrin		7.8	U	1.5	7.8
Endosulfan I		7.8	U	1.6	7.8
Endosulfan II		7.8	U	1.2	7.8
Endosulfan sulfate		7.8	U	1.0	7.8
Endrin		7.8	U	1.1	7.8
Endrin aldehyde		5.7	J	1.9	7.8
Endrin ketone		7.8	U	1.1	7.8
Heptachlor		7.8	U	1.1	7.8
Heptachlor epoxide		7.8	U	1.6	7.8
Methoxychlor		7.8	U	0.87	7.8
Toxaphene		78	U	16	78

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	75		26 - 126
DCB Decachlorobiphenyl	77		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-2512-1

Client Sample ID: **B-107:S3**

Lab Sample ID: 460-2512-5 Date Sampled: 06/05/2009 0850
Client Matrix: Solid % Moisture: 13.7 Date Received: 06/05/2009 1700

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 460-8900		Instrument ID:	PESTGC4
Preparation:	3541	Prep Batch: 460-8505		Initial Weight/Volume:	15.01 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	06/09/2009 1847			Injection Volume:	1.0 uL
Date Prepared:	06/08/2009 1009			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	72		26 - 126
DCB Decachlorobiphenyl	65		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-2512-1

Client Sample ID: **B-122:S1**

Lab Sample ID: 460-2512-6 Date Sampled: 06/05/2009 1130
Client Matrix: Solid % Moisture: 9.9 Date Received: 06/05/2009 1700

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 460-8900		Instrument ID:	PESTGC4
Preparation:	3541	Prep Batch: 460-8485		Initial Weight/Volume:	15.01 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	06/09/2009 2055			Injection Volume:	1.0 uL
Date Prepared:	06/08/2009 0811			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aldrin		7.4	U	1.6	7.4
alpha-BHC		4.5	J	1.4	7.4
beta-BHC		7.4	U	1.0	7.4
delta-BHC		5.1	J	1.1	7.4
gamma-BHC (Lindane)		24		0.87	7.4
Chlordane		74	U	16	74
4,4'-DDD		7.4	U	0.89	7.4
4,4'-DDE		1.8	J	1.4	7.4
4,4'-DDT		3.0	J	0.93	7.4
Dieldrin		3.2	J	1.4	7.4
Endosulfan I		7.4	U	1.6	7.4
Endosulfan II		1.2	J	1.1	7.4
Endosulfan sulfate		25		0.95	7.4
Endrin		6.8	J	1.0	7.4
Endrin aldehyde		31		1.9	7.4
Endrin ketone		5.0	J	1.1	7.4
Heptachlor		2.1	J	1.1	7.4
Heptachlor epoxide		7.4	U	1.5	7.4
Methoxychlor		19		0.83	7.4
Toxaphene		74	U	16	74

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	77		26 - 126
DCB Decachlorobiphenyl	72		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-2512-1

Client Sample ID: **B-122:S1**

Lab Sample ID: 460-2512-6 Date Sampled: 06/05/2009 1130
Client Matrix: Solid % Moisture: 9.9 Date Received: 06/05/2009 1700

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 460-8900	Instrument ID:	PESTGC4
Preparation:	3541	Prep Batch: 460-8485	Initial Weight/Volume:	15.01 g
Dilution:	1.0		Final Weight/Volume:	10 mL
Date Analyzed:	06/09/2009 2055		Injection Volume:	1.0 uL
Date Prepared:	06/08/2009 0811		Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	318	X	26 - 126
DCB Decachlorobiphenyl	360	X	48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-2512-1

Client Sample ID: **B-122:S3**

Lab Sample ID: 460-2512-7 Date Sampled: 06/05/2009 1142
Client Matrix: Solid % Moisture: 28.3 Date Received: 06/05/2009 1700

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 460-8900		Instrument ID:	PESTGC4
Preparation:	3541	Prep Batch: 460-8485		Initial Weight/Volume:	15.03 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	06/09/2009 2111			Injection Volume:	1.0 uL
Date Prepared:	06/08/2009 0811			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aldrin		9.3	U	2.0	9.3
alpha-BHC		9.3	U	1.7	9.3
beta-BHC		9.3	U	1.3	9.3
delta-BHC		9.3	U	1.4	9.3
gamma-BHC (Lindane)		9.3	U	1.1	9.3
Chlordane		93	U	20	93
4,4'-DDD		9.3	U	1.1	9.3
4,4'-DDE		9.3	U	1.8	9.3
4,4'-DDT		9.3	U	1.2	9.3
Dieldrin		9.3	U	1.8	9.3
Endosulfan I		9.3	U	2.0	9.3
Endosulfan II		9.3	U	1.4	9.3
Endosulfan sulfate		9.3	U	1.2	9.3
Endrin		9.3	U	1.3	9.3
Endrin aldehyde		8.0	J	2.3	9.3
Endrin ketone		9.3	U	1.4	9.3
Heptachlor		9.3	U	1.3	9.3
Heptachlor epoxide		9.3	U	1.9	9.3
Methoxychlor		9.3	U	1.0	9.3
Toxaphene		93	U	19	93

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	50		26 - 126
DCB Decachlorobiphenyl	30	X	48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-2512-1

Client Sample ID: **B-122:S3**

Lab Sample ID: 460-2512-7 Date Sampled: 06/05/2009 1142
Client Matrix: Solid % Moisture: 28.3 Date Received: 06/05/2009 1700

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 460-8900	Instrument ID:	PESTGC4
Preparation:	3541	Prep Batch: 460-8485	Initial Weight/Volume:	15.03 g
Dilution:	1.0		Final Weight/Volume:	10 mL
Date Analyzed:	06/09/2009 2111		Injection Volume:	1.0 uL
Date Prepared:	06/08/2009 0811		Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	43		26 - 126
DCB Decachlorobiphenyl	49		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-2512-1

Client Sample ID: **B-105:S1**

Lab Sample ID: 460-2512-1 Date Sampled: 06/05/2009 1235
Client Matrix: Solid % Moisture: 11.9 Date Received: 06/05/2009 1700

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 460-9000		Instrument ID:	PESTGC7
Preparation:	3541	Prep Batch: 460-8482		Initial Weight/Volume:	15.05 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	06/10/2009 0315			Injection Volume:	1.0 uL
Date Prepared:	06/08/2009 0801			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		76	U	14	76
Aroclor 1221		76	U	23	76
Aroclor 1232		76	U	43	76
Aroclor 1242		76	U	14	76
Aroclor 1248		76	U	20	76
Aroclor 1254		620		26	76
Aroclor 1260		400		8.5	76
Aroclor 1262		76	U	13	76
Aroclor 1268		76	U	13	76

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	154	X	48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-2512-1

Client Sample ID: **B-105:S1**

Lab Sample ID: 460-2512-1 Date Sampled: 06/05/2009 1235
Client Matrix: Solid % Moisture: 11.9 Date Received: 06/05/2009 1700

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 460-9000		Instrument ID:	PESTGC7
Preparation:	3541	Prep Batch: 460-8482		Initial Weight/Volume:	15.05 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	06/10/2009 0315			Injection Volume:	1.0 uL
Date Prepared:	06/08/2009 0801			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	147		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-2512-1

Client Sample ID: **B-105:S2**

Lab Sample ID: 460-2512-2 Date Sampled: 06/05/2009 1237
Client Matrix: Solid % Moisture: 13.2 Date Received: 06/05/2009 1700

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 460-9000		Instrument ID:	PESTGC7
Preparation:	3541	Prep Batch: 460-8482		Initial Weight/Volume:	15.02 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	06/10/2009 0332			Injection Volume:	1.0 uL
Date Prepared:	06/08/2009 0801			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		77	U	15	77
Aroclor 1221		77	U	23	77
Aroclor 1232		77	U	44	77
Aroclor 1242		77	U	15	77
Aroclor 1248		77	U	20	77
Aroclor 1254		410		26	77
Aroclor 1260		310		8.6	77
Aroclor 1262		77	U	13	77
Aroclor 1268		77	U	13	77

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	127		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-2512-1

Client Sample ID: **B-105:S2**

Lab Sample ID: 460-2512-2 Date Sampled: 06/05/2009 1237
Client Matrix: Solid % Moisture: 13.2 Date Received: 06/05/2009 1700

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 460-9000		Instrument ID:	PESTGC7
Preparation:	3541	Prep Batch: 460-8482		Initial Weight/Volume:	15.02 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	06/10/2009 0332			Injection Volume:	1.0 uL
Date Prepared:	06/08/2009 0801			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	278	X	48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-2512-1

Client Sample ID: **B-105:S3**

Lab Sample ID: 460-2512-3 Date Sampled: 06/05/2009 1240
Client Matrix: Solid % Moisture: 18.3 Date Received: 06/05/2009 1700

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 460-9000		Instrument ID:	PESTGC7
Preparation:	3541	Prep Batch: 460-8482		Initial Weight/Volume:	15.03 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	06/10/2009 0348			Injection Volume:	1.0 uL
Date Prepared:	06/08/2009 0801			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		82	U	16	82
Aroclor 1221		82	U	25	82
Aroclor 1232		82	U	46	82
Aroclor 1242		82	U	16	82
Aroclor 1248		82	U	22	82
Aroclor 1254		82	U	28	82
Aroclor 1260		82	U	9.1	82
Aroclor 1262		82	U	14	82
Aroclor 1268		82	U	14	82

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	107		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-2512-1

Client Sample ID: **B-105:S3**

Lab Sample ID: 460-2512-3 Date Sampled: 06/05/2009 1240
Client Matrix: Solid % Moisture: 18.3 Date Received: 06/05/2009 1700

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 460-9000		Instrument ID:	PESTGC7
Preparation:	3541	Prep Batch: 460-8482		Initial Weight/Volume:	15.03 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	06/10/2009 0348			Injection Volume:	1.0 uL
Date Prepared:	06/08/2009 0801			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	90		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-2512-1

Client Sample ID: **B-107:S1**

Lab Sample ID: 460-2512-4 Date Sampled: 06/05/2009 0845
Client Matrix: Solid % Moisture: 15.6 Date Received: 06/05/2009 1700

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 460-9000		Instrument ID:	PESTGC7
Preparation:	3541	Prep Batch: 460-8482		Initial Weight/Volume:	15.02 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	06/10/2009 0404			Injection Volume:	1.0 uL
Date Prepared:	06/08/2009 0801			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		79	U	15	79
Aroclor 1221		79	U	24	79
Aroclor 1232		79	U	45	79
Aroclor 1242		79	U	15	79
Aroclor 1248		79	U	21	79
Aroclor 1254		79	U	27	79
Aroclor 1260		79	U	8.8	79
Aroclor 1262		79	U	14	79
Aroclor 1268		79	U	14	79

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	148		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-2512-1

Client Sample ID: **B-107:S1**

Lab Sample ID: 460-2512-4 Date Sampled: 06/05/2009 0845
Client Matrix: Solid % Moisture: 15.6 Date Received: 06/05/2009 1700

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 460-9000		Instrument ID:	PESTGC7
Preparation:	3541	Prep Batch: 460-8482		Initial Weight/Volume:	15.02 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	06/10/2009 0404			Injection Volume:	1.0 uL
Date Prepared:	06/08/2009 0801			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	115		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-2512-1

Client Sample ID: **B-107:S3**

Lab Sample ID: 460-2512-5 Date Sampled: 06/05/2009 0850
Client Matrix: Solid % Moisture: 13.7 Date Received: 06/05/2009 1700

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 460-9000		Instrument ID:	PESTGC7
Preparation:	3541	Prep Batch: 460-8482		Initial Weight/Volume:	15.03 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	06/10/2009 0420			Injection Volume:	1.0 uL
Date Prepared:	06/08/2009 0801			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		77	U	15	77
Aroclor 1221		77	U	23	77
Aroclor 1232		77	U	44	77
Aroclor 1242		77	U	15	77
Aroclor 1248		77	U	21	77
Aroclor 1254		77	U	26	77
Aroclor 1260		77	U	8.7	77
Aroclor 1262		77	U	13	77
Aroclor 1268		77	U	13	77

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	109		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-2512-1

Client Sample ID: **B-107:S3**

Lab Sample ID: 460-2512-5 Date Sampled: 06/05/2009 0850
Client Matrix: Solid % Moisture: 13.7 Date Received: 06/05/2009 1700

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 460-9000		Instrument ID:	PESTGC7
Preparation:	3541	Prep Batch: 460-8482		Initial Weight/Volume:	15.03 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	06/10/2009 0420			Injection Volume:	1.0 uL
Date Prepared:	06/08/2009 0801			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	80		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-2512-1

Client Sample ID: **B-122:S1**

Lab Sample ID: 460-2512-6 Date Sampled: 06/05/2009 1130
Client Matrix: Solid % Moisture: 9.9 Date Received: 06/05/2009 1700

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 460-9000		Instrument ID:	PESTGC7
Preparation:	3541	Prep Batch: 460-8482		Initial Weight/Volume:	15.01 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	06/10/2009 0437			Injection Volume:	1.0 uL
Date Prepared:	06/08/2009 0801			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		74	U	14	74
Aroclor 1221		74	U	22	74
Aroclor 1232		74	U	42	74
Aroclor 1242		74	U	14	74
Aroclor 1248		74	U	20	74
Aroclor 1254		74	U	25	74
Aroclor 1260		74	U	8.3	74
Aroclor 1262		74	U	13	74
Aroclor 1268		74	U	13	74

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	255	X	48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-2512-1

Client Sample ID: **B-122:S1**

Lab Sample ID: 460-2512-6 Date Sampled: 06/05/2009 1130
Client Matrix: Solid % Moisture: 9.9 Date Received: 06/05/2009 1700

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 460-9000		Instrument ID:	PESTGC7
Preparation:	3541	Prep Batch: 460-8482		Initial Weight/Volume:	15.01 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	06/10/2009 0437			Injection Volume:	1.0 uL
Date Prepared:	06/08/2009 0801			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	176	X	48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-2512-1

Client Sample ID: **B-122:S3**

Lab Sample ID: 460-2512-7 Date Sampled: 06/05/2009 1142
Client Matrix: Solid % Moisture: 28.3 Date Received: 06/05/2009 1700

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 460-9085		Instrument ID:	PESTGC8
Preparation:	3541	Prep Batch: 460-8904		Initial Weight/Volume:	15.01 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	06/12/2009 1014			Injection Volume:	1.0 uL
Date Prepared:	06/11/2009 1039			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		93	U	18	93
Aroclor 1221		93	U	28	93
Aroclor 1232		93	U	53	93
Aroclor 1242		93	U	18	93
Aroclor 1248		93	U	25	93
Aroclor 1254		93	U	32	93
Aroclor 1260		93	U	10	93
Aroclor 1262		93	U	16	93
Aroclor 1268		93	U	16	93

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	114		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-2512-1

Client Sample ID: **B-122:S3**

Lab Sample ID: 460-2512-7 Date Sampled: 06/05/2009 1142
Client Matrix: Solid % Moisture: 28.3 Date Received: 06/05/2009 1700

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 460-9085		Instrument ID:	PESTGC8
Preparation:	3541	Prep Batch: 460-8904		Initial Weight/Volume:	15.01 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	06/12/2009 1014			Injection Volume:	1.0 uL
Date Prepared:	06/11/2009 1039			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	88		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-2512-1

Client Sample ID: **B-105:S1**

Lab Sample ID: 460-2512-1 Date Sampled: 06/05/2009 1235
Client Matrix: Solid % Moisture: 11.9 Date Received: 06/05/2009 1700

NJ-OQA-QAM-025 New Jersey - Total petroleum Hydrocarbons (GC)

Method:	NJ-OQA-QAM-025	Analysis Batch: 460-8872		Instrument ID:	BNAGC1
Preparation:	3541	Prep Batch: 460-8646		Lab File ID:	gcr33021.d
Dilution:	20			Initial Weight/Volume:	15.00 g
Date Analyzed:	06/10/2009 1454	Run Type:	DL	Final Weight/Volume:	1 mL
Date Prepared:	06/09/2009 1120			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL	RL
Total Petroleum Hydrocarbons (C8-C40)		1100		120	120

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	0	X D	46 - 124
Chlorobenzene	0	X D	19 - 98

Client: Haley & Aldrich, Inc. Job Number: 460-2512-1

Client Sample ID: **B-105:S2**

Lab Sample ID: 460-2512-2 Date Sampled: 06/05/2009 1237
Client Matrix: Solid % Moisture: 13.2 Date Received: 06/05/2009 1700

NJ-OQA-QAM-025 New Jersey - Total petroleum Hydrocarbons (GC)

Method:	NJ-OQA-QAM-025	Analysis Batch: 460-8872		Instrument ID:	BNAGC1
Preparation:	3541	Prep Batch: 460-8646		Lab File ID:	gcr33022.d
Dilution:	20			Initial Weight/Volume:	15.02 g
Date Analyzed:	06/10/2009 1509	Run Type:	DL	Final Weight/Volume:	1 mL
Date Prepared:	06/09/2009 1120			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL	RL
Total Petroleum Hydrocarbons (C8-C40)		1600		130	130

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	0	X D	46 - 124
Chlorobenzene	0	X D	19 - 98

Client: Haley & Aldrich, Inc. Job Number: 460-2512-1

Client Sample ID: **B-105:S3**

Lab Sample ID: 460-2512-3 Date Sampled: 06/05/2009 1240
Client Matrix: Solid % Moisture: 18.3 Date Received: 06/05/2009 1700

NJ-OQA-QAM-025 New Jersey - Total petroleum Hydrocarbons (GC)

Method:	NJ-OQA-QAM-025	Analysis Batch: 460-8872		Instrument ID:	BNAGC1
Preparation:	3541	Prep Batch: 460-8646		Lab File ID:	gcr33018.d
Dilution:	1.0			Initial Weight/Volume:	14.99 g
Date Analyzed:	06/10/2009 1410			Final Weight/Volume:	1 mL
Date Prepared:	06/09/2009 1120			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL	RL
Total Petroleum Hydrocarbons (C8-C40)		210		6.7	6.7

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	82		46 - 124
Chlorobenzene	38		19 - 98

Client: Haley & Aldrich, Inc. Job Number: 460-2512-1

Client Sample ID: **B-107:S1**

Lab Sample ID: 460-2512-4 Date Sampled: 06/05/2009 0845
Client Matrix: Solid % Moisture: 15.6 Date Received: 06/05/2009 1700

NJ-OQA-QAM-025 New Jersey - Total petroleum Hydrocarbons (GC)

Method:	NJ-OQA-QAM-025	Analysis Batch: 460-8872		Instrument ID:	BNAGC1
Preparation:	3541	Prep Batch: 460-8646		Lab File ID:	gcr33023.d
Dilution:	2.0			Initial Weight/Volume:	15.01 g
Date Analyzed:	06/10/2009 1524	Run Type:	DL	Final Weight/Volume:	1 mL
Date Prepared:	06/09/2009 1120			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL	RL
Total Petroleum Hydrocarbons (C8-C40)		330		13	13

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	90		46 - 124
Chlorobenzene	44		19 - 98

Client: Haley & Aldrich, Inc. Job Number: 460-2512-1

Client Sample ID: **B-107:S3**

Lab Sample ID: 460-2512-5 Date Sampled: 06/05/2009 0850
Client Matrix: Solid % Moisture: 13.7 Date Received: 06/05/2009 1700

NJ-OQA-QAM-025 New Jersey - Total petroleum Hydrocarbons (GC)

Method:	NJ-OQA-QAM-025	Analysis Batch: 460-8872		Instrument ID:	BNAGC1
Preparation:	3541	Prep Batch: 460-8646		Lab File ID:	gcr33016.d
Dilution:	1.0			Initial Weight/Volume:	15.02 g
Date Analyzed:	06/10/2009 1341			Final Weight/Volume:	1 mL
Date Prepared:	06/09/2009 1120			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL	RL
Total Petroleum Hydrocarbons (C8-C40)		40		6.4	6.4

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	77		46 - 124
Chlorobenzene	26		19 - 98

Client: Haley & Aldrich, Inc. Job Number: 460-2512-1

Client Sample ID: **B-122:S1**

Lab Sample ID: 460-2512-6 Date Sampled: 06/05/2009 1130
Client Matrix: Solid % Moisture: 9.9 Date Received: 06/05/2009 1700

NJ-OQA-QAM-025 New Jersey - Total petroleum Hydrocarbons (GC)

Method:	NJ-OQA-QAM-025	Analysis Batch: 460-8872		Instrument ID:	BNAGC1
Preparation:	3541	Prep Batch: 460-8646		Lab File ID:	gcr33020.d
Dilution:	1.0			Initial Weight/Volume:	15.01 g
Date Analyzed:	06/10/2009 1440			Final Weight/Volume:	1 mL
Date Prepared:	06/09/2009 1120			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL	RL
Total Petroleum Hydrocarbons (C8-C40)		290		6.1	6.1

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	83		46 - 124
Chlorobenzene	47		19 - 98

Client: Haley & Aldrich, Inc. Job Number: 460-2512-1

Client Sample ID: **B-122:S3**

Lab Sample ID: 460-2512-7 Date Sampled: 06/05/2009 1142
Client Matrix: Solid % Moisture: 28.3 Date Received: 06/05/2009 1700

NJ-OQA-QAM-025 New Jersey - Total petroleum Hydrocarbons (GC)

Method:	NJ-OQA-QAM-025	Analysis Batch: 460-8872		Instrument ID:	BNAGC1
Preparation:	3541	Prep Batch: 460-8646		Lab File ID:	gcr33017.d
Dilution:	1.0			Initial Weight/Volume:	14.99 g
Date Analyzed:	06/10/2009 1356			Final Weight/Volume:	1 mL
Date Prepared:	06/09/2009 1120			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL	RL
Total Petroleum Hydrocarbons (C8-C40)		220		7.7	7.7

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	88		46 - 124
Chlorobenzene	34		19 - 98

Client: Haley & Aldrich, Inc. Job Number: 460-2512-1

Client Sample ID: **B-105:S1**

Lab Sample ID: 460-2512-1 Date Sampled: 06/05/2009 1235
Client Matrix: Solid % Moisture: 11.9 Date Received: 06/05/2009 1700

6010B Metals (ICP)

Method: 6010B Analysis Batch: 460-8699 Instrument ID: ICP2
Preparation: 3050B Prep Batch: 460-8555 Lab File ID: 8555V1
Dilution: 4.0 Initial Weight/Volume: 1.03 g
Date Analyzed: 06/09/2009 1358 Final Weight/Volume: 50 mL
Date Prepared: 06/08/2009 1605

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		23900		16.2	44.1
Barium		932		1.3	44.1
Beryllium		32.6		0.19	0.44
Calcium		34300		29.0	1100
Cobalt		301		1.4	11.0
Copper		4570		0.90	5.5
Magnesium		6940		11.7	1100
Manganese		1240		1.2	3.3
Potassium		1180		49.7	1100
Silver		3.6		0.17	2.2
Sodium		2140		67.7	1100

Method: 6010B Analysis Batch: 460-8745 Instrument ID: ICP2
Preparation: 3050B Prep Batch: 460-8555 Lab File ID: 8555V2
Dilution: 4.0 Initial Weight/Volume: 1.03 g
Date Analyzed: 06/09/2009 2115 Final Weight/Volume: 50 mL
Date Prepared: 06/08/2009 1605

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Thallium		2.2	U	1.1	2.2

Method: 6010B Analysis Batch: 460-8745 Instrument ID: ICP2
Preparation: 3050B Prep Batch: 460-8555 Lab File ID: 8555V2
Dilution: 10 Initial Weight/Volume: 1.03 g
Date Analyzed: 06/09/2009 2121 Final Weight/Volume: 50 mL
Date Prepared: 06/08/2009 1605

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Antimony		6.5		2.4	5.5
Arsenic		2.3	J	1.9	2.8
Cadmium		2.8	U	0.43	2.8
Lead		4040		1.4	2.8
Nickel		2310		1.5	22.0
Selenium		12.2		2.6	5.5
Vanadium		55.4		1.4	27.6

Method: 6010B Analysis Batch: 460-8745 Instrument ID: ICP2
Preparation: 3050B Prep Batch: 460-8555 Lab File ID: 8555V2
Dilution: 20 Initial Weight/Volume: 1.03 g
Date Analyzed: 06/09/2009 2127 Final Weight/Volume: 50 mL
Date Prepared: 06/08/2009 1605

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Chromium		694		6.5	11.0
Iron		137000		58.5	165

Client: Haley & Aldrich, Inc. Job Number: 460-2512-1

Client Sample ID: **B-105:S1**

Lab Sample ID: 460-2512-1 Date Sampled: 06/05/2009 1235
Client Matrix: Solid % Moisture: 11.9 Date Received: 06/05/2009 1700

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 460-8745		Instrument ID:	ICP2
Preparation:	3050B	Prep Batch: 460-8555		Lab File ID:	8555V2
Dilution:	100			Initial Weight/Volume:	1.03 g
Date Analyzed:	06/09/2009 2134			Final Weight/Volume:	50 mL
Date Prepared:	06/08/2009 1605				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Zinc		12800		27.0	165

7471A Mercury (CVAA)

Method:	7471A	Analysis Batch: 460-8710		Instrument ID:	LEEMAN3
Preparation:	7471A	Prep Batch: 460-8657		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	0.66 g
Date Analyzed:	06/09/2009 1715			Final Weight/Volume:	100 mL
Date Prepared:	06/09/2009 1155				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.69		0.027	0.034

Client: Haley & Aldrich, Inc. Job Number: 460-2512-1

Client Sample ID: **B-105:S2**

Lab Sample ID: 460-2512-2 Date Sampled: 06/05/2009 1237
Client Matrix: Solid % Moisture: 13.2 Date Received: 06/05/2009 1700

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 460-8699		Instrument ID:	ICP2
Preparation:	3050B	Prep Batch: 460-8555		Lab File ID:	8555V1
Dilution:	4.0			Initial Weight/Volume:	1.01 g
Date Analyzed:	06/09/2009 1404			Final Weight/Volume:	50 mL
Date Prepared:	06/08/2009 1605				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		19600		16.7	45.6
Barium		787		1.4	45.6
Beryllium		28.4		0.20	0.46
Calcium		29200		30.0	1140
Cobalt		200		1.4	11.4
Copper		3450		0.93	5.7
Magnesium		6340		12.1	1140
Manganese		1080		1.3	3.4
Potassium		947	J	51.5	1140
Silver		2.6		0.17	2.3
Sodium		1720		70.1	1140

Method:	6010B	Analysis Batch: 460-8745		Instrument ID:	ICP2
Preparation:	3050B	Prep Batch: 460-8555		Lab File ID:	8555V2
Dilution:	4.0			Initial Weight/Volume:	1.01 g
Date Analyzed:	06/09/2009 2140			Final Weight/Volume:	50 mL
Date Prepared:	06/08/2009 1605				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Thallium		2.3	U	1.1	2.3

Method:	6010B	Analysis Batch: 460-8745		Instrument ID:	ICP2
Preparation:	3050B	Prep Batch: 460-8555		Lab File ID:	8555V2
Dilution:	10			Initial Weight/Volume:	1.01 g
Date Analyzed:	06/09/2009 2146			Final Weight/Volume:	50 mL
Date Prepared:	06/08/2009 1605				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Antimony		5.7	J	2.5	5.7
Arsenic		7.7		2.0	2.9
Cadmium		2.9	U	0.45	2.9
Chromium		655		3.4	5.7
Lead		3030		1.4	2.9
Nickel		1500		1.5	22.8
Selenium		9.9		2.7	5.7
Vanadium		59.0		1.5	28.5

Method:	6010B	Analysis Batch: 460-8745		Instrument ID:	ICP2
Preparation:	3050B	Prep Batch: 460-8555		Lab File ID:	8555V2
Dilution:	20			Initial Weight/Volume:	1.01 g
Date Analyzed:	06/09/2009 2152			Final Weight/Volume:	50 mL
Date Prepared:	06/08/2009 1605				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Iron		130000		60.6	171

Client: Haley & Aldrich, Inc. Job Number: 460-2512-1

Client Sample ID: **B-105:S2**

Lab Sample ID: 460-2512-2 Date Sampled: 06/05/2009 1237
Client Matrix: Solid % Moisture: 13.2 Date Received: 06/05/2009 1700

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 460-8745		Instrument ID:	ICP2
Preparation:	3050B	Prep Batch: 460-8555		Lab File ID:	8555V2
Dilution:	100			Initial Weight/Volume:	1.01 g
Date Analyzed:	06/09/2009 2158			Final Weight/Volume:	50 mL
Date Prepared:	06/08/2009 1605				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Zinc		9590		28.0	171

7471A Mercury (CVAA)

Method:	7471A	Analysis Batch: 460-8710		Instrument ID:	LEEMAN3
Preparation:	7471A	Prep Batch: 460-8657		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	0.64 g
Date Analyzed:	06/09/2009 1717			Final Weight/Volume:	100 mL
Date Prepared:	06/09/2009 1155				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.66		0.028	0.036

Client: Haley & Aldrich, Inc. Job Number: 460-2512-1

Client Sample ID: **B-105:S3**

Lab Sample ID: 460-2512-3 Date Sampled: 06/05/2009 1240
Client Matrix: Solid % Moisture: 18.3 Date Received: 06/05/2009 1700

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 460-8699		Instrument ID:	ICP2
Preparation:	3050B	Prep Batch: 460-8555		Lab File ID:	8555V1
Dilution:	4.0			Initial Weight/Volume:	1.01 g
Date Analyzed:	06/09/2009 1426			Final Weight/Volume:	50 mL
Date Prepared:	06/08/2009 1605				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		7630		17.8	48.5
Antimony		1.8	J	1.1	2.4
Arsenic		13.0		0.84	1.2
Barium		813		1.5	48.5
Beryllium		5.9		0.21	0.48
Cadmium		1.2	U	0.19	1.2
Calcium		10600		31.9	1210
Chromium		148		1.4	2.4
Cobalt		69.2		1.5	12.1
Copper		1280		0.99	6.1
Iron		40300		12.9	36.4
Lead		715		0.61	1.2
Magnesium		2570		12.8	1210
Manganese		321		1.4	3.6
Nickel		387		0.65	9.7
Potassium		454	J	54.7	1210
Selenium		4.4		1.1	2.4
Silver		0.62	J	0.18	2.4
Sodium		869	J	74.4	1210
Vanadium		40.7		0.63	12.1

Method:	6010B	Analysis Batch: 460-8745		Instrument ID:	ICP2
Preparation:	3050B	Prep Batch: 460-8555		Lab File ID:	8555V2
Dilution:	4.0			Initial Weight/Volume:	1.01 g
Date Analyzed:	06/09/2009 2205			Final Weight/Volume:	50 mL
Date Prepared:	06/08/2009 1605				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Thallium		2.4	U	1.2	2.4

Method:	6010B	Analysis Batch: 460-8745		Instrument ID:	ICP2
Preparation:	3050B	Prep Batch: 460-8555		Lab File ID:	8555V2
Dilution:	10			Initial Weight/Volume:	1.01 g
Date Analyzed:	06/09/2009 2223			Final Weight/Volume:	50 mL
Date Prepared:	06/08/2009 1605				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Zinc		2430		3.0	18.2

7471A Mercury (CVAA)

Client: Haley & Aldrich, Inc. Job Number: 460-2512-1

Client Sample ID: **B-105:S3**

Lab Sample ID: 460-2512-3 Date Sampled: 06/05/2009 1240
Client Matrix: Solid % Moisture: 18.3 Date Received: 06/05/2009 1700

7471A Mercury (CVAA)

Method:	7471A	Analysis Batch: 460-8710		Instrument ID:	LEEMAN3
Preparation:	7471A	Prep Batch: 460-8657		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	0.68 g
Date Analyzed:	06/09/2009 1719			Final Weight/Volume:	100 mL
Date Prepared:	06/09/2009 1155				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.82		0.028	0.036

Client: Haley & Aldrich, Inc. Job Number: 460-2512-1

Client Sample ID: **B-107:S1**

Lab Sample ID: 460-2512-4 Date Sampled: 06/05/2009 0845
Client Matrix: Solid % Moisture: 15.6 Date Received: 06/05/2009 1700

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 460-8699		Instrument ID:	ICP2
Preparation:	3050B	Prep Batch: 460-8555		Lab File ID:	8555V1
Dilution:	4.0			Initial Weight/Volume:	1.00 g
Date Analyzed:	06/09/2009 1431			Final Weight/Volume:	50 mL
Date Prepared:	06/08/2009 1605				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		2290		17.4	47.4
Antimony		1.5	J	1.0	2.4
Arsenic		12.5		0.82	1.2
Barium		170		1.4	47.4
Beryllium		0.41	J	0.21	0.47
Cadmium		0.37	J	0.18	1.2
Calcium		4050		31.2	1180
Chromium		11.5		1.4	2.4
Cobalt		6.2	J	1.5	11.8
Copper		107		0.97	5.9
Iron		23900		12.6	35.5
Lead		383		0.59	1.2
Magnesium		1330		12.5	1180
Manganese		160		1.3	3.6
Nickel		34.9		0.63	9.5
Potassium		359	J	53.5	1180
Selenium		1.3	J	1.1	2.4
Silver		0.30	J	0.18	2.4
Sodium		630	J	72.7	1180
Vanadium		14.0		0.62	11.8
Zinc		499		1.2	7.1

Method:	6010B	Analysis Batch: 460-8745		Instrument ID:	ICP2
Preparation:	3050B	Prep Batch: 460-8555		Lab File ID:	8555V2
Dilution:	4.0			Initial Weight/Volume:	1.00 g
Date Analyzed:	06/09/2009 2229			Final Weight/Volume:	50 mL
Date Prepared:	06/08/2009 1605				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Thallium		2.4	U	1.1	2.4

7471A Mercury (CVAA)

Method:	7471A	Analysis Batch: 460-8710		Instrument ID:	LEEMAN3
Preparation:	7471A	Prep Batch: 460-8657		Lab File ID:	N/A
Dilution:	2.0			Initial Weight/Volume:	0.66 g
Date Analyzed:	06/09/2009 1807			Final Weight/Volume:	100 mL
Date Prepared:	06/09/2009 1155				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		2.6		0.056	0.071

Client: Haley & Aldrich, Inc. Job Number: 460-2512-1

Client Sample ID: **B-107:S3**

Lab Sample ID: 460-2512-5 Date Sampled: 06/05/2009 0850
Client Matrix: Solid % Moisture: 13.7 Date Received: 06/05/2009 1700

6010B Metals (ICP)

Method: 6010B Analysis Batch: 460-8699 Instrument ID: ICP2
Preparation: 3050B Prep Batch: 460-8555 Lab File ID: 8555V1
Dilution: 4.0 Initial Weight/Volume: 1.00 g
Date Analyzed: 06/09/2009 1437 Final Weight/Volume: 50 mL
Date Prepared: 06/08/2009 1605

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		22700		17.0	46.4
Antimony		2.3	U	1.0	2.3
Arsenic		4.5		0.81	1.2
Barium		158		1.4	46.4
Beryllium		1.4		0.20	0.46
Cadmium		1.2	U	0.18	1.2
Calcium		8210		30.5	1160
Chromium		22.8		1.4	2.3
Cobalt		7.0	J	1.4	11.6
Copper		27.7		0.95	5.8
Iron		15800		12.3	34.8
Lead		61.1		0.58	1.2
Magnesium		4100		12.3	1160
Manganese		206		1.3	3.5
Nickel		15.8		0.62	9.3
Potassium		4180		52.3	1160
Selenium		2.3	U	1.1	2.3
Silver		2.3	U	0.18	2.3
Sodium		1620		71.2	1160
Vanadium		28.3		0.60	11.6
Zinc		124		1.1	7.0

Method: 6010B Analysis Batch: 460-8745 Instrument ID: ICP2
Preparation: 3050B Prep Batch: 460-8555 Lab File ID: 8555V2
Dilution: 4.0 Initial Weight/Volume: 1.00 g
Date Analyzed: 06/09/2009 2236 Final Weight/Volume: 50 mL
Date Prepared: 06/08/2009 1605

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Thallium		2.3	U	1.1	2.3

7471A Mercury (CVAA)

Method: 7471A Analysis Batch: 460-8710 Instrument ID: LEEMAN3
Preparation: 7471A Prep Batch: 460-8657 Lab File ID: N/A
Dilution: 1.0 Initial Weight/Volume: 0.61 g
Date Analyzed: 06/09/2009 1808 Final Weight/Volume: 100 mL
Date Prepared: 06/09/2009 1155

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.12		0.030	0.038

Client: Haley & Aldrich, Inc. Job Number: 460-2512-1

Client Sample ID: **B-122:S1**

Lab Sample ID: 460-2512-6 Date Sampled: 06/05/2009 1130
Client Matrix: Solid % Moisture: 9.9 Date Received: 06/05/2009 1700

6010B Metals (ICP)

Method: 6010B Analysis Batch: 460-8699 Instrument ID: ICP2
Preparation: 3050B Prep Batch: 460-8555 Lab File ID: 8555V1
Dilution: 4.0 Initial Weight/Volume: 1.00 g
Date Analyzed: 06/09/2009 1323 Final Weight/Volume: 50 mL
Date Prepared: 06/08/2009 1605

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		3670		16.3	44.4
Antimony		2.2	U	0.98	2.2
Arsenic		3.5		0.77	1.1
Barium		104		1.3	44.4
Beryllium		0.22	J	0.20	0.44
Cadmium		0.24	J	0.17	1.1
Calcium		33400		29.2	1110
Chromium		11.4		1.3	2.2
Cobalt		3.9	J	1.4	11.1
Copper		37.2		0.91	5.6
Iron		9510		11.8	33.3
Lead		70.1		0.56	1.1
Magnesium		10500		11.7	1110
Manganese		379		1.3	3.3
Nickel		14.0		0.60	8.9
Potassium		575	J	50.1	1110
Selenium		2.2	U	1.0	2.2
Silver		2.2	U	0.17	2.2
Sodium		715	J	68.2	1110
Vanadium		28.0		0.58	11.1
Zinc		194		1.1	6.7

Method: 6010B Analysis Batch: 460-8745 Instrument ID: ICP2
Preparation: 3050B Prep Batch: 460-8555 Lab File ID: 8555V2
Dilution: 4.0 Initial Weight/Volume: 1.00 g
Date Analyzed: 06/09/2009 2038 Final Weight/Volume: 50 mL
Date Prepared: 06/08/2009 1605

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Thallium		2.2	U	1.1	2.2

7471A Mercury (CVAA)

Method: 7471A Analysis Batch: 460-8710 Instrument ID: LEEMAN3
Preparation: 7471A Prep Batch: 460-8657 Lab File ID: N/A
Dilution: 1.0 Initial Weight/Volume: 0.62 g
Date Analyzed: 06/09/2009 1729 Final Weight/Volume: 100 mL
Date Prepared: 06/09/2009 1155

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.23		0.028	0.035

Client: Haley & Aldrich, Inc. Job Number: 460-2512-1

Client Sample ID: **B-122:S3**

Lab Sample ID: 460-2512-7 Date Sampled: 06/05/2009 1142
Client Matrix: Solid % Moisture: 28.3 Date Received: 06/05/2009 1700

6010B Metals (ICP)

Method: 6010B Analysis Batch: 460-8699 Instrument ID: ICP2
Preparation: 3050B Prep Batch: 460-8555 Lab File ID: 8555V1
Dilution: 4.0 Initial Weight/Volume: 1.00 g
Date Analyzed: 06/09/2009 1443 Final Weight/Volume: 50 mL
Date Prepared: 06/08/2009 1605

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		7110		20.4	55.8
Antimony		2.8	U	1.2	2.8
Arsenic		10.0		0.97	1.4
Barium		161		1.7	55.8
Beryllium		0.36	J	0.25	0.56
Cadmium		1.4	U	0.22	1.4
Calcium		7810		36.7	1390
Chromium		17.0		1.7	2.8
Cobalt		6.8	J	1.7	13.9
Copper		130		1.1	7.0
Iron		23300		14.8	41.8
Lead		732		0.70	1.4
Magnesium		1980		14.8	1390
Manganese		144		1.6	4.2
Nickel		15.8		0.75	11.2
Potassium		1300	J	63.0	1390
Selenium		2.8		1.3	2.8
Silver		2.8	U	0.21	2.8
Sodium		928	J	85.7	1390
Vanadium		23.2		0.73	13.9
Zinc		383		1.4	8.4

Method: 6010B Analysis Batch: 460-8745 Instrument ID: ICP2
Preparation: 3050B Prep Batch: 460-8555 Lab File ID: 8555V2
Dilution: 4.0 Initial Weight/Volume: 1.00 g
Date Analyzed: 06/09/2009 2242 Final Weight/Volume: 50 mL
Date Prepared: 06/08/2009 1605

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Thallium		2.8	U	1.4	2.8

7471A Mercury (CVAA)

Method: 7471A Analysis Batch: 460-8710 Instrument ID: LEEMAN3
Preparation: 7471A Prep Batch: 460-8657 Lab File ID: N/A
Dilution: 3.0 Initial Weight/Volume: 0.62 g
Date Analyzed: 06/09/2009 1810 Final Weight/Volume: 100 mL
Date Prepared: 06/09/2009 1155

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		3.8		0.11	0.13

General Chemistry

Client Sample ID: **B-105:S1**

Lab Sample ID: 460-2512-1 Date Sampled: 06/05/2009 1235

Client Matrix: Solid Date Received: 06/05/2009 1700

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	11.9		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-8447	Date Analyzed: 06/05/2009 2257					
Percent Solids	88.1		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-8447	Date Analyzed: 06/05/2009 2257					

General Chemistry

Client Sample ID: **B-105:S2**

Lab Sample ID: 460-2512-2 Date Sampled: 06/05/2009 1237

Client Matrix: Solid Date Received: 06/05/2009 1700

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	13.2		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-8447	Date Analyzed: 06/05/2009 2257					
Percent Solids	86.8		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-8447	Date Analyzed: 06/05/2009 2257					

General Chemistry

Client Sample ID: **B-105:S3**

Lab Sample ID: 460-2512-3 Date Sampled: 06/05/2009 1240

Client Matrix: Solid Date Received: 06/05/2009 1700

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	18.3		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-8447	Date Analyzed: 06/05/2009 2257					
Percent Solids	81.7		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-8447	Date Analyzed: 06/05/2009 2257					

Client: Haley & Aldrich, Inc. Job Number: 460-2512-1

General Chemistry

Client Sample ID: **B-107:S1**

Lab Sample ID: 460-2512-4 Date Sampled: 06/05/2009 0845
Client Matrix: Solid Date Received: 06/05/2009 1700

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	15.6		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-8447	Date Analyzed: 06/05/2009 2257					
Percent Solids	84.4		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-8447	Date Analyzed: 06/05/2009 2257					

General Chemistry

Client Sample ID: **B-107:S3**

Lab Sample ID: 460-2512-5 Date Sampled: 06/05/2009 0850

Client Matrix: Solid Date Received: 06/05/2009 1700

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	13.7		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-8447	Date Analyzed: 06/05/2009 2257					
Percent Solids	86.3		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-8447	Date Analyzed: 06/05/2009 2257					

General Chemistry

Client Sample ID: **B-122:S1**

Lab Sample ID: 460-2512-6 Date Sampled: 06/05/2009 1130

Client Matrix: Solid Date Received: 06/05/2009 1700

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	9.9		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-8447	Date Analyzed: 06/05/2009 2257					
Percent Solids	90.1		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-8447	Date Analyzed: 06/05/2009 2257					

General Chemistry

Client Sample ID: **B-122:S3**

Lab Sample ID: 460-2512-7 Date Sampled: 06/05/2009 1142

Client Matrix: Solid Date Received: 06/05/2009 1700

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	28.3		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-8447	Date Analyzed: 06/05/2009 2257					
Percent Solids	71.7		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-8447	Date Analyzed: 06/05/2009 2257					

Edison, New Jersey
Phone: (732) 549-3900 Fax: (732) 549-3679

#IR 983°

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

CHAIN OF CUSTODY / ANALYSIS REQUEST

Name (for report and invoice): AMY MURPHY
Company: HALEY & ALDRICH, INC
Address: 299 CHERRY HILL RD, SUITE 105
City: PARSIPPANY State: NJ
Phone: 973-658-3938 Fax: 973-658-3988

Samplers Name (Printed): BOBBY ISSAC
P. O. #: 36059-001

Site/Project Identification: 14th ST. VIADUCT, HOBOKEN, NJ
State (Location of site): NJ: ☒ NY: ☐ Other:
Regulatory Program:

Analysis Turnaround Time
Standard ☒
Rush Chrages Authorized For:
2 Week ☐
1 Week ☐
Other ☐ ___

LAB USE ONLY
Project No: 46003487
Job No: 460-2676

ANALYSIS REQUESTED (ENTER "X" BELOW TO INDICATE REQUEST)

Sample Identification	Date	Time	Matrix	No. of. Cont.	8270C TCL-BN+15	8082-PCBS	8081A TCL Pesticides	6010B TAL Metals	NJ-OQA-QAM-025	8260B TAL VOC+10	Sample Numbers
B-123; S2	6/10/09	8:10A	SOIL	5	X	X	X	X	X	X	2676-1
B-123; S4	6/10/09	10:03A	SOIL	5	X	X	X	X	X	X	-2
B-123; S17	6/10/09	11:35A	SOIL	5	X	X	X	X	X	X	-3
FB#1 (Field blank)	6/10/09	7:50A	WATER	2						X	-4
Soil:					1	1	1	1	1	1	
Water:					~~2~~	~~2~~	~~2~~	~~2~~	~~2~~	2	

Preservation Used: 1 = ICE, 2 = HCl, 3 = H_2SO_4, 4 = HNO_3, 5 = NaOH
6 = Other ___, 7 = Other ___

Water Metals Filtered (Yes/No)? ___

Special Instructions

Relinquished by	Company	Date / Time	Received by	Company
1) Bobby Issac	H&A	6/11/09 8:30	1)	
2)		6/11/09	2)	IA 6-11-09 12:35
3)			3)	
4)			4)	

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132).
Massachusetts (M-NJ312), North Carolina (No. 578)

TAL - 0016 (0408)

07/02/2009

Client: Haley & Aldrich, Inc. Job Number: 460-2676-1

Client Sample ID: **B-123: S2**

Lab Sample ID: 460-2676-1 Date Sampled: 06/10/2009 0810
Client Matrix: Solid % Moisture: 16.8 Date Received: 06/11/2009 1235

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 460-9149		Instrument ID:	VOAMS2
Preparation:	5035	Prep Batch: 460-9070		Lab File ID:	b24728.d
Dilution:	1.0			Initial Weight/Volume:	5.17 g
Date Analyzed:	06/14/2009 1507			Final Weight/Volume:	5 mL
Date Prepared:	06/12/2009 0544				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Chloromethane		1.2	U	0.74	1.2
Bromomethane		1.2	U	0.48	1.2
Vinyl chloride		1.2	U	0.27	1.2
Chloroethane		1.2	U	0.46	1.2
Methylene Chloride		1.2	U	0.55	1.2
Acetone		8.3	J B	4.3	12
Carbon disulfide		1.2	U	0.54	1.2
1,1-Dichloroethene		1.2	U	0.43	1.2
1,1-Dichloroethane		1.2	U	0.29	1.2
trans-1,2-Dichloroethene		1.2	U	0.33	1.2
cis-1,2-Dichloroethene		1.2	U	0.27	1.2
Chloroform		0.46	J	0.28	1.2
1,2-Dichloroethane		1.2	U	0.45	1.2
2-Butanone		12	U	0.66	12
1,1,1-Trichloroethane		1.2	U	0.22	1.2
Carbon tetrachloride		1.2	U	0.12	1.2
Bromodichloromethane		1.2	U	0.35	1.2
1,2-Dichloropropane		1.2	U	0.37	1.2
cis-1,3-Dichloropropene		1.2	U	0.23	1.2
Trichloroethene		1.1	J	0.42	1.2
Dibromochloromethane		1.2	U	0.65	1.2
1,1,2-Trichloroethane		1.2	U	0.69	1.2
Benzene		1.2	U	0.86	1.2
trans-1,3-Dichloropropene		1.2	U	0.26	1.2
Bromoform		1.2	U	0.81	1.2
4-Methyl-2-pentanone		12	U	0.83	12
2-Hexanone		12	U	1.9	12
Tetrachloroethene		170		0.38	1.2
1,1,2,2-Tetrachloroethane		1.2	U	0.88	1.2
Toluene		1.2	U	0.35	1.2
Chlorobenzene		1.2	U	0.56	1.2
Ethylbenzene		1.2	U	0.22	1.2
Styrene		1.2	U	0.40	1.2
Xylenes, Total		3.5	U	0.91	3.5

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	98		53 - 128
Bromofluorobenzene	113		73 - 143
Toluene-d8 (Surr)	106		59 - 139

Client: Haley & Aldrich, Inc. Job Number: 460-2676-1

Client Sample ID: **B-123: S2**

Lab Sample ID: 460-2676-1 Date Sampled: 06/10/2009 0810
Client Matrix: Solid % Moisture: 16.8 Date Received: 06/11/2009 1235

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 460-9149		Instrument ID:	VOAMS2
Preparation:	5035	Prep Batch: 460-9070		Lab File ID:	b24728.d
Dilution:	1.0			Initial Weight/Volume:	5.17 g
Date Analyzed:	06/14/2009 1507			Final Weight/Volume:	5 mL
Date Prepared:	06/12/2009 0544				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Tentatively Identified Compound		None	

Client: Haley & Aldrich, Inc. Job Number: 460-2676-1

Client Sample ID: **B-123: S4**

Lab Sample ID: 460-2676-2 Date Sampled: 06/10/2009 1003
Client Matrix: Solid % Moisture: 17.4 Date Received: 06/11/2009 1235

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 460-9149		Instrument ID:	VOAMS2
Preparation:	5035	Prep Batch: 460-9070		Lab File ID:	b24729.d
Dilution:	1.0			Initial Weight/Volume:	5.42 g
Date Analyzed:	06/14/2009 1530			Final Weight/Volume:	5 mL
Date Prepared:	06/12/2009 0548				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Chloromethane		1.1	U	0.71	1.1
Bromomethane		1.1	U	0.46	1.1
Vinyl chloride		0.87	J	0.26	1.1
Chloroethane		1.1	U	0.45	1.1
Methylene Chloride		1.1	U	0.53	1.1
Acetone		25	B	4.1	11
Carbon disulfide		1.1	U	0.52	1.1
1,1-Dichloroethene		1.1	U	0.41	1.1
1,1-Dichloroethane		1.1	U	0.28	1.1
trans-1,2-Dichloroethene		1.1	U	0.32	1.1
cis-1,2-Dichloroethene		0.46	J	0.26	1.1
Chloroform		1.1	U	0.26	1.1
1,2-Dichloroethane		1.1	U	0.44	1.1
2-Butanone		11	U	0.64	11
1,1,1-Trichloroethane		1.1	U	0.21	1.1
Carbon tetrachloride		1.1	U	0.11	1.1
Bromodichloromethane		1.1	U	0.34	1.1
1,2-Dichloropropane		1.1	U	0.36	1.1
cis-1,3-Dichloropropene		1.1	U	0.22	1.1
Trichloroethene		1.1	U	0.41	1.1
Dibromochloromethane		1.1	U	0.63	1.1
1,1,2-Trichloroethane		1.1	U	0.66	1.1
Benzene		1.1	U	0.83	1.1
trans-1,3-Dichloropropene		1.1	U	0.25	1.1
Bromoform		1.1	U	0.78	1.1
4-Methyl-2-pentanone		11	U	0.80	11
2-Hexanone		11	U	1.9	11
Tetrachloroethene		0.38	J	0.37	1.1
1,1,2,2-Tetrachloroethane		1.1	U	0.85	1.1
Toluene		1.1	U	0.33	1.1
Chlorobenzene		1.1	U	0.54	1.1
Ethylbenzene		1.1	U	0.21	1.1
Styrene		1.1	U	0.39	1.1
Xylenes, Total		3.3	U	0.88	3.3

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	94		53 - 128
Bromofluorobenzene	107		73 - 143
Toluene-d8 (Surr)	103		59 - 139

Client: Haley & Aldrich, Inc. Job Number: 460-2676-1

Client Sample ID: **B-123: S4**

Lab Sample ID: 460-2676-2 Date Sampled: 06/10/2009 1003
Client Matrix: Solid % Moisture: 17.4 Date Received: 06/11/2009 1235

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 460-9149		Instrument ID:	VOAMS2
Preparation:	5035	Prep Batch: 460-9070		Lab File ID:	b24729.d
Dilution:	1.0			Initial Weight/Volume:	5.42 g
Date Analyzed:	06/14/2009 1530			Final Weight/Volume:	5 mL
Date Prepared:	06/12/2009 0548				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Tentatively Identified Compound		None	

Client: Haley & Aldrich, Inc. Job Number: 460-2676-1

Client Sample ID: **B-123: S17**

Lab Sample ID: 460-2676-3 Date Sampled: 06/10/2009 1135
Client Matrix: Solid % Moisture: 13.4 Date Received: 06/11/2009 1235

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 460-9425		Instrument ID:	VOAMS8
Preparation:	5035	Prep Batch: 460-9068		Lab File ID:	j85605.d
Dilution:	50			Initial Weight/Volume:	5.92 g
Date Analyzed:	06/17/2009 1254			Final Weight/Volume:	10 mL
Date Prepared:	06/12/2009 0500				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Chloromethane		98	U	21	98
Bromomethane		98	U	31	98
Vinyl chloride		98	U	12	98
Chloroethane		98	U	43	98
Methylene Chloride		98	U	19	98
Acetone		980	U	240	980
Carbon disulfide		98	U	14	98
1,1-Dichloroethene		98	U	14	98
1,1-Dichloroethane		98	U	9.7	98
trans-1,2-Dichloroethene		98	U	13	98
cis-1,2-Dichloroethene		98	U	19	98
Chloroform		98	U	15	98
1,2-Dichloroethane		98	U	24	98
2-Butanone		980	U	80	980
1,1,1-Trichloroethane		98	U	24	98
Carbon tetrachloride		98	U	18	98
Bromodichloromethane		98	U	8.7	98
1,2-Dichloropropane		98	U	8.5	98
cis-1,3-Dichloropropene		98	U	10	98
Trichloroethene		98	U	17	98
Dibromochloromethane		98	U	9.8	98
1,1,2-Trichloroethane		98	U	9.5	98
Benzene		420		12	98
trans-1,3-Dichloropropene		98	U	12	98
Bromoform		98	U	9.7	98
4-Methyl-2-pentanone		980	U	66	980
2-Hexanone		980	U	53	980
Tetrachloroethene		98	U	19	98
1,1,2,2-Tetrachloroethane		98	U	8.4	98
Toluene		210		9.2	98
Chlorobenzene		98	U	16	98
Ethylbenzene		2200		24	98
Styrene		98	U	14	98
Xylenes, Total		4000		42	290

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	94		51 - 131
Bromofluorobenzene	84		70 - 131
Toluene-d8 (Surr)	79		51 - 138

Client: Haley & Aldrich, Inc. Job Number: 460-2676-1

Client Sample ID: **B-123: S17**

Lab Sample ID: 460-2676-3 Date Sampled: 06/10/2009 1135
Client Matrix: Solid % Moisture: 13.4 Date Received: 06/11/2009 1235

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 460-9425		Instrument ID:	VOAMS8
Preparation:	5035	Prep Batch: 460-9068		Lab File ID:	j85605.d
Dilution:	50			Initial Weight/Volume:	5.92 g
Date Analyzed:	06/17/2009 1254			Final Weight/Volume:	10 mL
Date Prepared:	06/12/2009 0500				

Tentatively Identified Compounds **Number TIC's Found:** **10**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
108-67-8	1,3,5-Trimethylbenzene	12.60	4700	
95-63-6	1,2,4-Trimethylbenzene	13.07	2200	
	Coeluting Aromatics	13.78	1200	T J
95-13-6	Indene	14.02	5300	T J N
	C10H10 Aromatic	15.49	1500	T J
	C10H10 Aromatic	15.65	1500	T J
91-20-3	Naphthalene	16.40	23000	E
	2,3-dihydro-dimethyl-1H-Indene isomer	17.33	820	T J
	Unknown Aromatic	17.72	800	T J
	Unknown Aromatic	18.02	900	T J

Client: Haley & Aldrich, Inc. Job Number: 460-2676-1

Client Sample ID: **FB#1 (Field blank)**

Lab Sample ID: 460-2676-4FB Date Sampled: 06/10/2009 0750
Client Matrix: Water Date Received: 06/11/2009 1235

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 460-9171	Instrument ID:	VOAMS4
Preparation:	5030B		Lab File ID:	d10127.d
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	06/15/2009 0806		Final Weight/Volume:	5 mL
Date Prepared:	06/15/2009 0806			

Analyte	Result (ug/L)	Qualifier	MDL	RL
Chloromethane	1.0	U	0.21	1.0
Bromomethane	1.0	U	0.31	1.0
Vinyl chloride	1.0	U	0.13	1.0
Chloroethane	1.0	U	0.45	1.0
Methylene Chloride	1.0	U	0.19	1.0
Acetone	10	U	2.5	10
Carbon disulfide	1.0	U	0.15	1.0
1,1-Dichloroethene	1.0	U	0.14	1.0
1,1-Dichloroethane	1.0	U	0.10	1.0
trans-1,2-Dichloroethene	1.0	U	0.14	1.0
cis-1,2-Dichloroethene	1.0	U	0.20	1.0
Chloroform	1.0	U	0.15	1.0
1,2-Dichloroethane	1.0	U	0.24	1.0
2-Butanone	10	U	0.82	10
1,1,1-Trichloroethane	1.0	U	0.25	1.0
Carbon tetrachloride	1.0	U	0.19	1.0
Bromodichloromethane	1.0	U	0.093	1.0
1,2-Dichloropropane	1.0	U	0.090	1.0
cis-1,3-Dichloropropene	1.0	U	0.11	1.0
Trichloroethene	1.0	U	0.18	1.0
Dibromochloromethane	1.0	U	0.11	1.0
1,1,2-Trichloroethane	1.0	U	0.10	1.0
Benzene	1.0	U	0.13	1.0
trans-1,3-Dichloropropene	1.0	U	0.12	1.0
Bromoform	1.0	U	0.10	1.0
4-Methyl-2-pentanone	10	U	0.68	10
2-Hexanone	10	U	0.55	10
Tetrachloroethene	1.0	U	0.20	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.090	1.0
Toluene	1.0	U	0.090	1.0
Chlorobenzene	1.0	U	0.16	1.0
Ethylbenzene	1.0	U	0.25	1.0
Styrene	1.0	U	0.13	1.0
Xylenes, Total	3.0	U	0.43	3.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	90		56 - 125
Bromofluorobenzene	91		72 - 145
Toluene-d8 (Surr)	84		72 - 127

Client: Haley & Aldrich, Inc. Job Number: 460-2676-1

Client Sample ID: **FB#1 (Field blank)**

Lab Sample ID: 460-2676-4FB Date Sampled: 06/10/2009 0750
Client Matrix: Water Date Received: 06/11/2009 1235

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 460-9171	Instrument ID:	VOAMS4
Preparation:	5030B		Lab File ID:	d10127.d
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	06/15/2009 0806		Final Weight/Volume:	5 mL
Date Prepared:	06/15/2009 0806			

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Tentatively Identified Compound		None	

Client: Haley & Aldrich, Inc. Job Number: 460-2676-1

Client Sample ID: **B-123: S2**

Lab Sample ID: 460-2676-1 Date Sampled: 06/10/2009 0810
Client Matrix: Solid % Moisture: 16.8 Date Received: 06/11/2009 1235

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-9328		Instrument ID:	BNAMS4
Preparation:	3541	Prep Batch: 460-9146		Lab File ID:	u53519.d
Dilution:	1.0			Initial Weight/Volume:	15.00 g
Date Analyzed:	06/15/2009 0615			Final Weight/Volume:	1 mL
Date Prepared:	06/14/2009 0600			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Bis(2-chloroethyl)ether		40	U	8.3	40
1,3-Dichlorobenzene		400	U	54	400
1,4-Dichlorobenzene		400	U	59	400
1,2-Dichlorobenzene		400	U	64	400
N-Nitrosodi-n-propylamine		40	U	5.3	40
Hexachloroethane		40	U	6.7	40
Nitrobenzene		40	U	8.9	40
Isophorone		400	U	46	400
Bis(2-chloroethoxy)methane		400	U	57	400
1,2,4-Trichlorobenzene		40	U	6.5	40
Naphthalene		120	J	58	400
4-Chloroaniline		400	U	50	400
Hexachlorobutadiene		81	U	16	81
2-Methylnaphthalene		74	J	58	400
Hexachlorocyclopentadiene		400	U	120	400
2-Chloronaphthalene		400	U	56	400
2-Nitroaniline		810	U	110	810
Dimethyl phthalate		400	U	54	400
Acenaphthylene		940		57	400
2,6-Dinitrotoluene		81	U	10	81
3-Nitroaniline		810	U	90	810
Acenaphthene		400	U	57	400
Dibenzofuran		400	U	60	400
2,4-Dinitrotoluene		81	U	12	81
Diethyl phthalate		400	U	53	400
4-Chlorophenyl phenyl ether		400	U	68	400
Fluorene		400	U	67	400
4-Nitroaniline		810	U	82	810
N-Nitrosodiphenylamine		400	U	65	400
4-Bromophenyl phenyl ether		400	U	71	400
Hexachlorobenzene		40	U	5.5	40
Phenanthrene		530		69	400
Anthracene		120	J	70	400
Carbazole		400	U	63	400
Di-n-butyl phthalate		400	U	61	400
Fluoranthene		310	J	66	400
Pyrene		800		69	400
Butyl benzyl phthalate		400	U	46	400
3,3'-Dichlorobenzidine		810	U	88	810
Benzo[a]anthracene		240		7.4	40
Chrysene		290	J	58	400
Bis(2-ethylhexyl) phthalate		400	U	53	400
Di-n-octyl phthalate		400	U	47	400
Benzo[b]fluoranthene		280		5.9	40
Benzo[k]fluoranthene		290		5.6	40
Benzo[a]pyrene		410		4.9	40

Client: Haley & Aldrich, Inc. Job Number: 460-2676-1

Client Sample ID: **B-123: S2**

Lab Sample ID: 460-2676-1 Date Sampled: 06/10/2009 0810
Client Matrix: Solid % Moisture: 16.8 Date Received: 06/11/2009 1235

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-9328		Instrument ID:	BNAMS4
Preparation:	3541	Prep Batch: 460-9146		Lab File ID:	u53519.d
Dilution:	1.0			Initial Weight/Volume:	15.00 g
Date Analyzed:	06/15/2009 0615			Final Weight/Volume:	1 mL
Date Prepared:	06/14/2009 0600			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Indeno[1,2,3-cd]pyrene		200		6.4	40
Dibenz(a,h)anthracene		40	U	4.8	40
Benzo[g,h,i]perylene		320	J	42	400
bis (2-chloroisopropyl) ether		400	U	52	400

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	77		36 - 93
Nitrobenzene-d5	70		31 - 97
Terphenyl-d14	80		40 - 129

Client: Haley & Aldrich, Inc. Job Number: 460-2676-1

Client Sample ID: **B-123: S2**

Lab Sample ID: 460-2676-1 Date Sampled: 06/10/2009 0810
Client Matrix: Solid % Moisture: 16.8 Date Received: 06/11/2009 1235

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-9328		Instrument ID:	BNAMS4
Preparation:	3541	Prep Batch: 460-9146		Lab File ID:	u53519.d
Dilution:	1.0			Initial Weight/Volume:	15.00 g
Date Analyzed:	06/15/2009 0615			Final Weight/Volume:	1 mL
Date Prepared:	06/14/2009 0600			Injection Volume:	1.0 uL

Tentatively Identified Compounds **Number TIC's Found:** **11**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
100-42-5	Styrene	3.40	720	T J N
	C9H10 Aromatic	4.38	390	T J
	Unknown	4.41	440	T J
	Unknown	5.46	630	T J
275-51-4	Azulene	5.70	880	T J N
	Unknown Aldehyde	6.52	600	T J
4453-90-1	1,4-Methanonaphthalene, 1,4-dihydro-	6.55	660	T J N
	Unknown	7.16	380	T J
	Unknown	7.38	470	T J
	Unknown Amide/Unknown	11.16	360	T J
	C20H12 PAH	13.17	550	T J

Client: Haley & Aldrich, Inc. Job Number: 460-2676-1

Client Sample ID: **B-123: S4**

Lab Sample ID: 460-2676-2 Date Sampled: 06/10/2009 1003
Client Matrix: Solid % Moisture: 17.4 Date Received: 06/11/2009 1235

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-9673		Instrument ID:	BNAMS4
Preparation:	3541	Prep Batch: 460-9146		Lab File ID:	u53668.d
Dilution:	5.0			Initial Weight/Volume:	15.00 g
Date Analyzed:	06/19/2009 0634			Final Weight/Volume:	1 mL
Date Prepared:	06/14/2009 0600			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Bis(2-chloroethyl)ether		200	U	42	200
1,3-Dichlorobenzene		2000	U	270	2000
1,4-Dichlorobenzene		2000	U	300	2000
1,2-Dichlorobenzene		2000	U	320	2000
N-Nitrosodi-n-propylamine		200	U	26	200
Hexachloroethane		200	U	34	200
Nitrobenzene		200	U	45	200
Isophorone		2000	U	230	2000
Bis(2-chloroethoxy)methane		2000	U	290	2000
1,2,4-Trichlorobenzene		200	U	33	200
Naphthalene		410	J	290	2000
4-Chloroaniline		2000	U	250	2000
Hexachlorobutadiene		410	U	81	410
2-Methylnaphthalene		2000	U	290	2000
Hexachlorocyclopentadiene		2000	U	590	2000
2-Chloronaphthalene		2000	U	280	2000
2-Nitroaniline		4100	U	550	4100
Dimethyl phthalate		2000	U	270	2000
Acenaphthylene		2000	U	290	2000
2,6-Dinitrotoluene		410	U	51	410
3-Nitroaniline		4100	U	450	4100
Acenaphthene		850	J	290	2000
Dibenzofuran		370	J	300	2000
2,4-Dinitrotoluene		410	U	58	410
Diethyl phthalate		2000	U	270	2000
4-Chlorophenyl phenyl ether		2000	U	340	2000
Fluorene		510	J	340	2000
4-Nitroaniline		4100	U	410	4100
N-Nitrosodiphenylamine		2000	U	330	2000
4-Bromophenyl phenyl ether		2000	U	360	2000
Hexachlorobenzene		200	U	28	200
Phenanthrene		5900		350	2000
Anthracene		2100		350	2000
Carbazole		1200	J	320	2000
Di-n-butyl phthalate		2000	U	310	2000
Fluoranthene		13000		330	2000
Pyrene		13000		350	2000
Butyl benzyl phthalate		2000	U	230	2000
3,3'-Dichlorobenzidine		4100	U	440	4100
Benzo[a]anthracene		12000		37	200
Chrysene		14000		290	2000
Bis(2-ethylhexyl) phthalate		2000	U	270	2000
Di-n-octyl phthalate		2000	U	240	2000
Benzo[b]fluoranthene		18000		30	200
Benzo[k]fluoranthene		19000		28	200
Benzo[a]pyrene		22000		25	200

Client: Haley & Aldrich, Inc. Job Number: 460-2676-1

Client Sample ID: **B-123: S4**

Lab Sample ID: 460-2676-2 Date Sampled: 06/10/2009 1003
Client Matrix: Solid % Moisture: 17.4 Date Received: 06/11/2009 1235

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-9673		Instrument ID:	BNAMS4
Preparation:	3541	Prep Batch: 460-9146		Lab File ID:	u53668.d
Dilution:	5.0			Initial Weight/Volume:	15.00 g
Date Analyzed:	06/19/2009 0634			Final Weight/Volume:	1 mL
Date Prepared:	06/14/2009 0600			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Indeno[1,2,3-cd]pyrene		5200		32	200
Dibenz(a,h)anthracene		200	U	24	200
Benzo[g,h,i]perylene		3800		210	2000
bis (2-chloroisopropyl) ether		2000	U	260	2000

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	82		36 - 93
Nitrobenzene-d5	81		31 - 97
Terphenyl-d14	65		40 - 129

Client: Haley & Aldrich, Inc. Job Number: 460-2676-1

Client Sample ID: **B-123: S4**

Lab Sample ID: 460-2676-2 Date Sampled: 06/10/2009 1003
Client Matrix: Solid % Moisture: 17.4 Date Received: 06/11/2009 1235

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-9673		Instrument ID:	BNAMS4
Preparation:	3541	Prep Batch: 460-9146		Lab File ID:	u53668.d
Dilution:	5.0			Initial Weight/Volume:	15.00 g
Date Analyzed:	06/19/2009 0634			Final Weight/Volume:	1 mL
Date Prepared:	06/14/2009 0600			Injection Volume:	1.0 uL

Tentatively Identified Compounds **Number TIC's Found:** **8**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	C15H10 PAH	9.52	2700	T J
	C17H12 PAH	10.66	1900	T J
	C20H12 PAH	12.70	5700	T J
	Unknown	12.79	2000	T J
	C20H12 PAH	12.88	11000	T J
	C20H12 PAH	13.03	6800	T J
	Unknown	13.18	3600	T J
	Unknown	13.21	3100	T J

Client: Haley & Aldrich, Inc. Job Number: 460-2676-1

Client Sample ID: **B-123: S17**

Lab Sample ID: 460-2676-3 Date Sampled: 06/10/2009 1135
Client Matrix: Solid % Moisture: 13.4 Date Received: 06/11/2009 1235

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-9329		Instrument ID:	BNAMS4
Preparation:	3541	Prep Batch: 460-9146		Lab File ID:	u53548.d
Dilution:	10			Initial Weight/Volume:	15.05 g
Date Analyzed:	06/15/2009 1850			Final Weight/Volume:	1 mL
Date Prepared:	06/14/2009 0600			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Bis(2-chloroethyl)ether		380	U	79	380
1,3-Dichlorobenzene		3800	U	520	3800
1,4-Dichlorobenzene		3800	U	570	3800
1,2-Dichlorobenzene		3800	U	610	3800
N-Nitrosodi-n-propylamine		380	U	50	380
Hexachloroethane		380	U	64	380
Nitrobenzene		380	U	85	380
Isophorone		3800	U	440	3800
Bis(2-chloroethoxy)methane		3800	U	540	3800
1,2,4-Trichlorobenzene		380	U	62	380
Naphthalene		82000		560	3800
4-Chloroaniline		3800	U	480	3800
Hexachlorobutadiene		770	U	150	770
2-Methylnaphthalene		57000		560	3800
Hexachlorocyclopentadiene		3800	U	1100	3800
2-Chloronaphthalene		3800	U	540	3800
2-Nitroaniline		7700	U	1000	7700
Dimethyl phthalate		3800	U	510	3800
Acenaphthylene		6200		540	3800
2,6-Dinitrotoluene		770	U	97	770
3-Nitroaniline		7700	U	860	7700
Acenaphthene		10000		540	3800
Dibenzofuran		1200	J	570	3800
2,4-Dinitrotoluene		770	U	110	770
Diethyl phthalate		3800	U	510	3800
4-Chlorophenyl phenyl ether		3800	U	650	3800
Fluorene		7200		640	3800
4-Nitroaniline		7700	U	790	7700
N-Nitrosodiphenylamine		3800	U	620	3800
4-Bromophenyl phenyl ether		3800	U	680	3800
Hexachlorobenzene		380	U	53	380
Phenanthrene		31000		660	3800
Anthracene		7200		670	3800
Carbazole		3800	U	610	3800
Di-n-butyl phthalate		3800	U	580	3800
Fluoranthene		4900		630	3800
Pyrene		8500		660	3800
Butyl benzyl phthalate		3800	U	440	3800
3,3'-Dichlorobenzidine		7700	U	840	7700
Benzo[a]anthracene		3000		70	380
Chrysene		3000	J	550	3800
Bis(2-ethylhexyl) phthalate		3800	U	510	3800
Di-n-octyl phthalate		3800	U	450	3800
Benzo[b]fluoranthene		630		57	380
Benzo[k]fluoranthene		1000		53	380
Benzo[a]pyrene		1800		47	380

Client: Haley & Aldrich, Inc. Job Number: 460-2676-1

Client Sample ID: **B-123: S17**

Lab Sample ID: 460-2676-3 Date Sampled: 06/10/2009 1135
Client Matrix: Solid % Moisture: 13.4 Date Received: 06/11/2009 1235

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-9329		Instrument ID:	BNAMS4
Preparation:	3541	Prep Batch: 460-9146		Lab File ID:	u53548.d
Dilution:	10			Initial Weight/Volume:	15.05 g
Date Analyzed:	06/15/2009 1850			Final Weight/Volume:	1 mL
Date Prepared:	06/14/2009 0600			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Indeno[1,2,3-cd]pyrene		520		61	380
Dibenz(a,h)anthracene		380	U	46	380
Benzo[g,h,i]perylene		580	J	400	3800
bis (2-chloroisopropyl) ether		3800	U	500	3800

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	73		36 - 93
Nitrobenzene-d5	87		31 - 97
Terphenyl-d14	58		40 - 129

Client: Haley & Aldrich, Inc. Job Number: 460-2676-1

Client Sample ID: **B-123: S17**

Lab Sample ID: 460-2676-3 Date Sampled: 06/10/2009 1135
Client Matrix: Solid % Moisture: 13.4 Date Received: 06/11/2009 1235

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-9329		Instrument ID:	BNAMS4
Preparation:	3541	Prep Batch: 460-9146		Lab File ID:	u53548.d
Dilution:	10			Initial Weight/Volume:	15.05 g
Date Analyzed:	06/15/2009 1850			Final Weight/Volume:	1 mL
Date Prepared:	06/14/2009 0600			Injection Volume:	1.0 uL

Tentatively Identified Compounds **Number TIC's Found:** **15**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	C10H10 Aromatic	5.60	6900	T J
	C10H10 Aromatic	5.64	6800	T J
90-12-0	1-Methylnaphthalene	6.69	36000	
	Ethylnaphthalene isomer	7.15	5400	T J
	Dimethylnaphthalene isomer	7.20	14000	T J
	Dimethylnaphthalene isomer	7.29	19000	T J
	Unknown	7.31	11000	T J
	Dimethylnaphthalene isomer	7.41	7700	T J
	Trimethylnaphthalene isomer	7.87	4300	T J
	Trimethylnaphthalene isomer	7.96	6900	T J
	Trimethylnaphthalene isomer	8.04	4600	T J
1730-37-6	9H-Fluorene, 1-methyl-	8.72	4400	T J N
	C15H12 PAH	9.59	4400	T J
	C15H12 PAH	9.62	5600	T J
	C15H10 PAH	9.72	11000	T J

Client: Haley & Aldrich, Inc. Job Number: 460-2676-1

Client Sample ID: **B-123: S17**

Lab Sample ID: 460-2676-3 Date Sampled: 06/10/2009 1135
Client Matrix: Solid % Moisture: 13.4 Date Received: 06/11/2009 1235

8015B Hydrocarbon Product Identification (GC)

Method:	8015B	Analysis Batch: 460-9436		Instrument ID:	BNAGC4
Preparation:	3541	Prep Batch: 460-9349		Lab File ID:	gcr47894.d
Dilution:	1.0			Initial Weight/Volume:	15.00 g
Date Analyzed:	06/17/2009 1421			Final Weight/Volume:	1 mL
Date Prepared:	06/16/2009 1826			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/L)	Qualifier	NONE	NONE
Qualitative Method		0.00			

Client: Haley & Aldrich, Inc. Job Number: 460-2676-1

Client Sample ID: **B-123: S2**

Lab Sample ID: 460-2676-1 Date Sampled: 06/10/2009 0810
Client Matrix: Solid % Moisture: 16.8 Date Received: 06/11/2009 1235

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 460-9545		Instrument ID:	PESTGC5
Preparation:	3541	Prep Batch: 460-9118		Initial Weight/Volume:	15.05 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	06/18/2009 0958			Injection Volume:	1.0 uL
Date Prepared:	06/12/2009 1758			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aldrin		8.0	U	1.8	8.0
alpha-BHC		8.0	U	1.5	8.0
beta-BHC		8.0	U	1.1	8.0
delta-BHC		8.0	U	1.2	8.0
gamma-BHC (Lindane)		8.0	U	0.93	8.0
Chlordane		80	U	17	80
4,4'-DDD		8.0	U	0.96	8.0
4,4'-DDE		8.0	U	1.6	8.0
4,4'-DDT		8.0	U	1.0	8.0
Dieldrin		8.0	U	1.5	8.0
Endosulfan I		8.0	U	1.7	8.0
Endosulfan II		8.0	U	1.2	8.0
Endosulfan sulfate		8.0	U	1.0	8.0
Endrin		8.0	U	1.1	8.0
Endrin aldehyde		8.0	U	2.0	8.0
Endrin ketone		8.0	U	1.2	8.0
Heptachlor		8.0	U	1.1	8.0
Heptachlor epoxide		8.0	U	1.6	8.0
Methoxychlor		1.9	J	0.90	8.0
Toxaphene		80	U	17	80

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	69		26 - 126
DCB Decachlorobiphenyl	77		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-2676-1

Client Sample ID: **B-123: S2**

Lab Sample ID: 460-2676-1 Date Sampled: 06/10/2009 0810
Client Matrix: Solid % Moisture: 16.8 Date Received: 06/11/2009 1235

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 460-9545	Instrument ID:	PESTGC5
Preparation:	3541	Prep Batch: 460-9118	Initial Weight/Volume:	15.05 g
Dilution:	1.0		Final Weight/Volume:	10 mL
Date Analyzed:	06/18/2009 0958		Injection Volume:	1.0 uL
Date Prepared:	06/12/2009 1758		Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	66		26 - 126
DCB Decachlorobiphenyl	72		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-2676-1

Client Sample ID: **B-123: S4**

Lab Sample ID: 460-2676-2 Date Sampled: 06/10/2009 1003
Client Matrix: Solid % Moisture: 17.4 Date Received: 06/11/2009 1235

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 460-9545		Instrument ID:	PESTGC5
Preparation:	3541	Prep Batch: 460-9118		Initial Weight/Volume:	15.01 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	06/18/2009 1013			Injection Volume:	1.0 uL
Date Prepared:	06/12/2009 1758			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aldrin		8.1	U	1.8	8.1
alpha-BHC		8.1	U	1.5	8.1
beta-BHC		8.1	U	1.1	8.1
delta-BHC		8.1	U	1.2	8.1
gamma-BHC (Lindane)		8.1	U	0.94	8.1
Chlordane		81	U	18	81
4,4'-DDD		8.1	U	0.97	8.1
4,4'-DDE		8.1	U	1.6	8.1
4,4'-DDT		8.1	U	1.0	8.1
Dieldrin		8.1	U	1.6	8.1
Endosulfan I		8.1	U	1.7	8.1
Endosulfan II		8.1	U	1.2	8.1
Endosulfan sulfate		8.1	U	1.0	8.1
Endrin		8.1	U	1.1	8.1
Endrin aldehyde		8.1	U	2.0	8.1
Endrin ketone		2.2	J	1.2	8.1
Heptachlor		8.1	U	1.2	8.1
Heptachlor epoxide		8.1	U	1.6	8.1
Methoxychlor		8.1	U	0.91	8.1
Toxaphene		81	U	17	81

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	60		26 - 126
DCB Decachlorobiphenyl	62		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-2676-1

Client Sample ID: **B-123: S4**

Lab Sample ID: 460-2676-2 Date Sampled: 06/10/2009 1003
Client Matrix: Solid % Moisture: 17.4 Date Received: 06/11/2009 1235

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 460-9545	Instrument ID:	PESTGC5
Preparation:	3541	Prep Batch: 460-9118	Initial Weight/Volume:	15.01 g
Dilution:	1.0		Final Weight/Volume:	10 mL
Date Analyzed:	06/18/2009 1013		Injection Volume:	1.0 uL
Date Prepared:	06/12/2009 1758		Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	59		26 - 126
DCB Decachlorobiphenyl	100		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-2676-1

Client Sample ID: **B-123: S17**

Lab Sample ID: 460-2676-3 Date Sampled: 06/10/2009 1135
Client Matrix: Solid % Moisture: 13.4 Date Received: 06/11/2009 1235

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 460-9545		Instrument ID:	PESTGC5
Preparation:	3541	Prep Batch: 460-9118		Initial Weight/Volume:	15.00 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	06/18/2009 1028			Injection Volume:	1.0 uL
Date Prepared:	06/12/2009 1758			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aldrin		7.7	U	1.7	7.7
alpha-BHC		7.7	U	1.4	7.7
beta-BHC		7.7	U	1.1	7.7
delta-BHC		7.7	U	1.2	7.7
gamma-BHC (Lindane)		7.7	U	0.90	7.7
Chlordane		77	U	17	77
4,4'-DDD		7.7	U	0.92	7.7
4,4'-DDE		3.3	J	1.5	7.7
4,4'-DDT		7.7	U	0.97	7.7
Dieldrin		7.7	U	1.5	7.7
Endosulfan I		7.7	U	1.6	7.7
Endosulfan II		7.7	U	1.2	7.7
Endosulfan sulfate		1.8	J	0.99	7.7
Endrin		7.7	U	1.1	7.7
Endrin aldehyde		10		1.9	7.7
Endrin ketone		7.4	J	1.1	7.7
Heptachlor		7.7	U	1.1	7.7
Heptachlor epoxide		7.7	U	1.6	7.7
Methoxychlor		3.0	J	0.87	7.7
Toxaphene		77	U	16	77

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	45		26 - 126
DCB Decachlorobiphenyl	52		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-2676-1

Client Sample ID: **B-123: S17**

Lab Sample ID: 460-2676-3 Date Sampled: 06/10/2009 1135
Client Matrix: Solid % Moisture: 13.4 Date Received: 06/11/2009 1235

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 460-9545	Instrument ID:	PESTGC5
Preparation:	3541	Prep Batch: 460-9118	Initial Weight/Volume:	15.00 g
Dilution:	1.0		Final Weight/Volume:	10 mL
Date Analyzed:	06/18/2009 1028		Injection Volume:	1.0 uL
Date Prepared:	06/12/2009 1758		Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	43		26 - 126
DCB Decachlorobiphenyl	273	X	48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-2676-1

Client Sample ID: **B-123: S2**

Lab Sample ID: 460-2676-1 Date Sampled: 06/10/2009 0810
Client Matrix: Solid % Moisture: 16.8 Date Received: 06/11/2009 1235

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 460-9539		Instrument ID:	PESTGC9
Preparation:	3541	Prep Batch: 460-9119		Initial Weight/Volume:	15.05 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	06/18/2009 1018			Injection Volume:	1.0 uL
Date Prepared:	06/12/2009 1801			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		80	U	15	80
Aroclor 1221		80	U	24	80
Aroclor 1232		80	U	46	80
Aroclor 1242		80	U	15	80
Aroclor 1248		80	U	21	80
Aroclor 1254		80	U	27	80
Aroclor 1260		80	U	9.0	80
Aroclor 1262		80	U	14	80
Aroclor 1268		80	U	14	80

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	73		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-2676-1

Client Sample ID: **B-123: S2**

Lab Sample ID: 460-2676-1 Date Sampled: 06/10/2009 0810
Client Matrix: Solid % Moisture: 16.8 Date Received: 06/11/2009 1235

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 460-9539		Instrument ID:	PESTGC9
Preparation:	3541	Prep Batch: 460-9119		Initial Weight/Volume:	15.05 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	06/18/2009 1018			Injection Volume:	1.0 uL
Date Prepared:	06/12/2009 1801			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	63		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-2676-1

Client Sample ID: **B-123: S4**

Lab Sample ID: 460-2676-2 Date Sampled: 06/10/2009 1003
Client Matrix: Solid % Moisture: 17.4 Date Received: 06/11/2009 1235

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 460-9539		Instrument ID:	PESTGC9
Preparation:	3541	Prep Batch: 460-9119		Initial Weight/Volume:	15.01 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	06/18/2009 1033			Injection Volume:	1.0 uL
Date Prepared:	06/12/2009 1801			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		81	U	15	81
Aroclor 1221		81	U	24	81
Aroclor 1232		81	U	46	81
Aroclor 1242		81	U	15	81
Aroclor 1248		81	U	22	81
Aroclor 1254		81	U	28	81
Aroclor 1260		81	U	9.0	81
Aroclor 1262		81	U	14	81
Aroclor 1268		81	U	14	81

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	68		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-2676-1

Client Sample ID: **B-123: S4**

Lab Sample ID: 460-2676-2 Date Sampled: 06/10/2009 1003
Client Matrix: Solid % Moisture: 17.4 Date Received: 06/11/2009 1235

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 460-9539		Instrument ID:	PESTGC9
Preparation:	3541	Prep Batch: 460-9119		Initial Weight/Volume:	15.01 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	06/18/2009 1033			Injection Volume:	1.0 uL
Date Prepared:	06/12/2009 1801			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	165	X	48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-2676-1

Client Sample ID: **B-123: S17**

Lab Sample ID: 460-2676-3 Date Sampled: 06/10/2009 1135
Client Matrix: Solid % Moisture: 13.4 Date Received: 06/11/2009 1235

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 460-9539		Instrument ID:	PESTGC9
Preparation:	3541	Prep Batch: 460-9119		Initial Weight/Volume:	15.00 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	06/18/2009 1049			Injection Volume:	1.0 uL
Date Prepared:	06/12/2009 1801			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		77	U	15	77
Aroclor 1221		77	U	23	77
Aroclor 1232		77	U	44	77
Aroclor 1242		77	U	15	77
Aroclor 1248		77	U	21	77
Aroclor 1254		77	U	26	77
Aroclor 1260		77	U	8.6	77
Aroclor 1262		77	U	13	77
Aroclor 1268		77	U	13	77

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	64		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-2676-1

Client Sample ID: **B-123: S17**

Lab Sample ID: 460-2676-3 Date Sampled: 06/10/2009 1135
Client Matrix: Solid % Moisture: 13.4 Date Received: 06/11/2009 1235

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 460-9539		Instrument ID:	PESTGC9
Preparation:	3541	Prep Batch: 460-9119		Initial Weight/Volume:	15.00 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	06/18/2009 1049			Injection Volume:	1.0 uL
Date Prepared:	06/12/2009 1801			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	129		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-2676-1

Client Sample ID: **B-123: S2**

Lab Sample ID: 460-2676-1 Date Sampled: 06/10/2009 0810
Client Matrix: Solid % Moisture: 16.8 Date Received: 06/11/2009 1235

NJ-OQA-QAM-025 New Jersey - Total petroleum Hydrocarbons (GC)

Method:	NJ-OQA-QAM-025	Analysis Batch: 460-9264		Instrument ID:	BNAGC1
Preparation:	3541	Prep Batch: 460-9116		Lab File ID:	gcr33170.d
Dilution:	1.0			Initial Weight/Volume:	15.02 g
Date Analyzed:	06/15/2009 1408			Final Weight/Volume:	1 mL
Date Prepared:	06/12/2009 1743			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL	RL
Total Petroleum Hydrocarbons (C8-C40)		66		6.6	6.6

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	83		46 - 124
Chlorobenzene	70		19 - 98

Client: Haley & Aldrich, Inc. Job Number: 460-2676-1

Client Sample ID: **B-123: S4**

Lab Sample ID: 460-2676-2 Date Sampled: 06/10/2009 1003
Client Matrix: Solid % Moisture: 17.4 Date Received: 06/11/2009 1235

NJ-OQA-QAM-025 New Jersey - Total petroleum Hydrocarbons (GC)

Method:	NJ-OQA-QAM-025	Analysis Batch: 460-9264		Instrument ID:	BNAGC1
Preparation:	3541	Prep Batch: 460-9116		Lab File ID:	gcr33168.d
Dilution:	1.0			Initial Weight/Volume:	15.00 g
Date Analyzed:	06/15/2009 1326			Final Weight/Volume:	1 mL
Date Prepared:	06/12/2009 1743			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL	RL
Total Petroleum Hydrocarbons (C8-C40)		63		6.7	6.7

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	76		46 - 124
Chlorobenzene	64		19 - 98

Client: Haley & Aldrich, Inc. Job Number: 460-2676-1

Client Sample ID: **B-123: S17**

Lab Sample ID: 460-2676-3 Date Sampled: 06/10/2009 1135
Client Matrix: Solid % Moisture: 13.4 Date Received: 06/11/2009 1235

NJ-OQA-QAM-025 New Jersey - Total petroleum Hydrocarbons (GC)

Method:	NJ-OQA-QAM-025	Analysis Batch: 460-9377		Instrument ID:	BNAGC1
Preparation:	3541	Prep Batch: 460-9116		Lab File ID:	gcr33211.d
Dilution:	2.0			Initial Weight/Volume:	15.01 g
Date Analyzed:	06/16/2009 1525	Run Type:	DL	Final Weight/Volume:	1 mL
Date Prepared:	06/12/2009 1743			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL	RL
Total Petroleum Hydrocarbons (C8-C40)		400		13	13

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	75		46 - 124
Chlorobenzene	67		19 - 98

Client: Haley & Aldrich, Inc. Job Number: 460-2676-1

Client Sample ID: **B-123: S2**

Lab Sample ID: 460-2676-1 Date Sampled: 06/10/2009 0810
Client Matrix: Solid % Moisture: 16.8 Date Received: 06/11/2009 1235

6010B Metals (ICP)

Method: 6010B Analysis Batch: 460-9401 Instrument ID: ICP3
Preparation: 3050B Prep Batch: 460-9216 Lab File ID: 7659
Dilution: 4.0 Initial Weight/Volume: 1.01 g
Date Analyzed: 06/17/2009 0744 Final Weight/Volume: 50 mL
Date Prepared: 06/15/2009 1539

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		8030		17.4	47.6
Antimony		1.4	J	1.0	2.4
Arsenic		34.0		0.83	1.2
Barium		311		1.4	47.6
Beryllium		3.6		0.21	0.48
Cadmium		1.2	U	0.19	1.2
Calcium		20400		31.3	1190
Chromium		18.7		1.4	2.4
Cobalt		17.2		1.5	11.9
Copper		110		0.97	5.9
Iron		26600		12.6	35.7
Lead		245		0.59	1.2
Magnesium		1400		12.6	1190
Manganese		308		1.3	3.6
Nickel		43.5		0.64	9.5
Potassium		376	J	53.7	1190
Selenium		5.6		1.1	2.4
Silver		0.39	J B	0.18	2.4
Sodium		658	J	73.1	1190
Vanadium		39.2		0.62	11.9
Zinc		193		1.2	7.1

Method: 6010B Analysis Batch: 460-9463 Instrument ID: ICP3
Preparation: 3050B Prep Batch: 460-9216 Lab File ID: 9379
Dilution: 4.0 Initial Weight/Volume: 1.01 g
Date Analyzed: 06/17/2009 1325 Final Weight/Volume: 50 mL
Date Prepared: 06/15/2009 1539

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Thallium		2.4	U	1.2	2.4

7471A Mercury (CVAA)

Method: 7471A Analysis Batch: 460-9201 Instrument ID: LEEMAN3
Preparation: 7471A Prep Batch: 460-9167 Lab File ID: N/A
Dilution: 1.0 Initial Weight/Volume: 0.62 g
Date Analyzed: 06/15/2009 1311 Final Weight/Volume: 100 mL
Date Prepared: 06/15/2009 0923

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.60		0.030	0.038

Client: Haley & Aldrich, Inc. Job Number: 460-2676-1

Client Sample ID: **B-123: S4**

Lab Sample ID: 460-2676-2 Date Sampled: 06/10/2009 1003
Client Matrix: Solid % Moisture: 17.4 Date Received: 06/11/2009 1235

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 460-9401		Instrument ID:	ICP3
Preparation:	3050B	Prep Batch: 460-9216		Lab File ID:	7659
Dilution:	4.0			Initial Weight/Volume:	1.00 g
Date Analyzed:	06/17/2009 0804			Final Weight/Volume:	50 mL
Date Prepared:	06/15/2009 1539				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		5520		17.7	48.4
Antimony		1.7	J	1.1	2.4
Arsenic		7.1		0.84	1.2
Barium		82.3		1.5	48.4
Beryllium		0.40	J	0.21	0.48
Cadmium		1.2	U	0.19	1.2
Calcium		7460		31.8	1210
Chromium		11.7		1.4	2.4
Cobalt		6.5	J	1.5	12.1
Copper		53.0		0.99	6.1
Iron		13000		12.8	36.3
Lead		232		0.61	1.2
Magnesium		2040		12.8	1210
Manganese		101		1.4	3.6
Nickel		14.7		0.65	9.7
Potassium		559	J	54.6	1210
Selenium		4.0		1.1	2.4
Silver		0.91	J B	0.18	2.4
Sodium		307	J	74.3	1210
Thallium		2.4	U	1.2	2.4
Vanadium		15.1		0.63	12.1
Zinc		233		1.2	7.3

7471A Mercury (CVAA)

Method:	7471A	Analysis Batch: 460-9201		Instrument ID:	LEEMAN3
Preparation:	7471A	Prep Batch: 460-9167		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	0.63 g
Date Analyzed:	06/15/2009 1313			Final Weight/Volume:	100 mL
Date Prepared:	06/15/2009 0923				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.76		0.030	0.038

Client: Haley & Aldrich, Inc. Job Number: 460-2676-1

Client Sample ID: **B-123: S17**

Lab Sample ID: 460-2676-3 Date Sampled: 06/10/2009 1135
Client Matrix: Solid % Moisture: 13.4 Date Received: 06/11/2009 1235

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 460-9401		Instrument ID:	ICP3
Preparation:	3050B	Prep Batch: 460-9216		Lab File ID:	7659
Dilution:	4.0			Initial Weight/Volume:	1.02 g
Date Analyzed:	06/17/2009 0811			Final Weight/Volume:	50 mL
Date Prepared:	06/15/2009 1539				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		6120		16.6	45.3
Antimony		2.3	U	1.0	2.3
Arsenic		4.1		0.79	1.1
Barium		57.7		1.4	45.3
Beryllium		0.90		0.20	0.45
Cadmium		1.1	U	0.18	1.1
Calcium		1270		29.8	1130
Chromium		14.5		1.3	2.3
Cobalt		5.9	J	1.4	11.3
Copper		16.8		0.92	5.7
Iron		13600		12.0	34.0
Lead		15.1		0.57	1.1
Magnesium		4760		12.0	1130
Manganese		159		1.3	3.4
Nickel		11.2		0.61	9.1
Potassium		2250		51.1	1130
Selenium		2.3	U	1.1	2.3
Silver		2.3	U	0.17	2.3
Sodium		516	J	69.5	1130
Thallium		2.3	U	1.1	2.3
Vanadium		20.1		0.59	11.3
Zinc		47.8		1.1	6.8

7471A Mercury (CVAA)

Method:	7471A	Analysis Batch: 460-9201		Instrument ID:	LEEMAN3
Preparation:	7471A	Prep Batch: 460-9167		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	0.61 g
Date Analyzed:	06/15/2009 1315			Final Weight/Volume:	100 mL
Date Prepared:	06/15/2009 0923				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.037	U	0.030	0.037

General Chemistry

Client Sample ID: **B-123: S2**

Lab Sample ID: 460-2676-1 Date Sampled: 06/10/2009 0810
Client Matrix: Solid Date Received: 06/11/2009 1235

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	16.8		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-8987	Date Analyzed: 06/11/2009 2256					
Percent Solids	83.2		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-8987	Date Analyzed: 06/11/2009 2256					

General Chemistry

Client Sample ID: **B-123: S4**

Lab Sample ID: 460-2676-2 Date Sampled: 06/10/2009 1003

Client Matrix: Solid Date Received: 06/11/2009 1235

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	17.4		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-8987	Date Analyzed: 06/11/2009 2256					
Percent Solids	82.6		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-8987	Date Analyzed: 06/11/2009 2256					

General Chemistry

Client Sample ID: **B-123: S17**

Lab Sample ID: 460-2676-3 Date Sampled: 06/10/2009 1135

Client Matrix: Solid Date Received: 06/11/2009 1235

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	13.4		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-8987	Date Analyzed: 06/11/2009 2256					
Percent Solids	86.6		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-8987	Date Analyzed: 06/11/2009 2256					

777 New Durham Road
Edison, New Jersey 08817
Phone: (732) 549-3900 Fax: (732) 549-3679

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

CHAIN OF CUSTODY / ANALYSIS REQUEST

Page 1 of ____

Name (for report and invoice): AMY MURPHY	Samplers Name (Printed): BOBBY ISSAC	Site/Project Identification: 14th ST. VIADUCT, HOBOKEN NJ
Company: HALEY & ALDRICH, INC.	P. O. # 36859-001	State (Location of site): NJ: [X] NY: [ ] Other:
		Regulatory Program:
Address: 299 CHERRY HILL ROAD, SUITE 105	Analysis Turnaround Time: Standard [X]; Rush Chrages Authorized For: 2 Week [ ]; 1 Week [ ]; Other [ ] ____	LAB USE ONLY Project No:
City: PARSIPPANY State: NJ		Job No: 2849
Phone: 973-658-3938 Fax: 973-658-3988		

ANALYSIS REQUESTED (ENTER "X" BELOW TO INDICATE REQUEST)

Sample Identification	Date	Time	Matrix	No. of Cont.	8270C - TCL BN+15	8082 - PCBS	8081A - TCL Pesticides	6010B - TAL Metals	NJ-GRO-DRO-QAM025	8260B - TCL VOA+10						Sample Numbers
B-103 : S1	6/15/09	10:45A	S	5												1
B-103 : S6	6/15/09	11:35A	S	5												2
B-104 : S1-S2	6/15/09	8:15A	S	5												3
B-104 : S5	6/15/09	9:35A	S	5												4
Preservation Used: 1 = ICE, 2 = HCl, 3 = H_2SO_4, 4 = HNO_3, 5 = NaOH — Soil:					1	1	1	1	1	1						
6 = Other _____, 7 = Other _____ — Water:																

Special Instructions _____ Water Metals Filtered (Yes/No)? _____

Relinquished by	Company	Date / Time	Received by	Company
Bobby Issac	Haley & Aldrich	6/16/09 15:30	1) [signature]	TEA Amherst
2) [signature]	TEA Amherst	6/16/09 17:15	2) [signature]	
3)			3)	
4)			4)	

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132).

Massachusetts (M-NJ312), North Carolina (No. 578)

TAL - 0016 (0408)

07/06/2009

Client: Haley & Aldrich, Inc. Job Number: 460-2849-1

Client Sample ID: **B-103:S1**

Lab Sample ID: 460-2849-1 Date Sampled: 06/15/2009 1045
Client Matrix: Solid % Moisture: 14.4 Date Received: 06/16/2009 1715

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 460-9490		Instrument ID:	VOAMS2
Preparation:	5035	Prep Batch: 460-9368		Lab File ID:	b24833.d
Dilution:	1.0			Initial Weight/Volume:	5.96 g
Date Analyzed:	06/18/2009 0733			Final Weight/Volume:	5 mL
Date Prepared:	06/17/2009 0422				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Chloromethane		0.98	U	0.62	0.98
Bromomethane		0.98	U	0.40	0.98
Vinyl chloride		0.98	U	0.23	0.98
Chloroethane		0.98	U	0.39	0.98
Methylene Chloride		0.98	U	0.46	0.98
Acetone		9.8	U	3.6	9.8
Carbon disulfide		0.98	U	0.46	0.98
1,1-Dichloroethene		0.98	U	0.36	0.98
1,1-Dichloroethane		0.98	U	0.25	0.98
trans-1,2-Dichloroethene		0.98	U	0.28	0.98
cis-1,2-Dichloroethene		0.98	U	0.23	0.98
Chloroform		0.98	U	0.23	0.98
1,2-Dichloroethane		0.98	U	0.38	0.98
2-Butanone		9.8	U	0.56	9.8
1,1,1-Trichloroethane		0.98	U	0.18	0.98
Carbon tetrachloride		0.98	U	0.099	0.98
Bromodichloromethane		0.98	U	0.30	0.98
1,2-Dichloropropane		0.98	U	0.31	0.98
cis-1,3-Dichloropropene		0.98	U	0.20	0.98
Trichloroethene		0.98	U	0.36	0.98
Dibromochloromethane		0.98	U	0.55	0.98
1,1,2-Trichloroethane		0.98	U	0.58	0.98
Benzene		0.98	U	0.73	0.98
trans-1,3-Dichloropropene		0.98	U	0.22	0.98
Bromoform		0.98	U	0.69	0.98
4-Methyl-2-pentanone		9.8	U	0.70	9.8
2-Hexanone		9.8	U	1.6	9.8
Tetrachloroethene		0.98	U	0.32	0.98
1,1,2,2-Tetrachloroethane		0.98	U	0.75	0.98
Toluene		0.98	U	0.29	0.98
Chlorobenzene		0.98	U	0.47	0.98
Ethylbenzene		0.98	U	0.19	0.98
Styrene		0.98	U	0.34	0.98
Xylenes, Total		2.9	U	0.77	2.9

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	103		53 - 128
Bromofluorobenzene	115		73 - 143
Toluene-d8 (Surr)	111		59 - 139

Client: Haley & Aldrich, Inc. Job Number: 460-2849-1

Client Sample ID: **B-103:S1**

Lab Sample ID: 460-2849-1 Date Sampled: 06/15/2009 1045
Client Matrix: Solid % Moisture: 14.4 Date Received: 06/16/2009 1715

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 460-9490		Instrument ID:	VOAMS2
Preparation:	5035	Prep Batch: 460-9368		Lab File ID:	b24833.d
Dilution:	1.0			Initial Weight/Volume:	5.96 g
Date Analyzed:	06/18/2009 0733			Final Weight/Volume:	5 mL
Date Prepared:	06/17/2009 0422				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Tentatively Identified Compound		None	

Client: Haley & Aldrich, Inc. Job Number: 460-2849-1

Client Sample ID: **B-103:S6**

Lab Sample ID: 460-2849-2 Date Sampled: 06/15/2009 1135
Client Matrix: Solid % Moisture: 34.1 Date Received: 06/16/2009 1715

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 460-9490		Instrument ID:	VOAMS2
Preparation:	5035	Prep Batch: 460-9368		Lab File ID:	b24834.d
Dilution:	1.0			Initial Weight/Volume:	5.40 g
Date Analyzed:	06/18/2009 0756			Final Weight/Volume:	5 mL
Date Prepared:	06/17/2009 0424				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Chloromethane		1.4	U	0.89	1.4
Bromomethane		1.4	U	0.58	1.4
Vinyl chloride		1.4	U	0.33	1.4
Chloroethane		1.4	U	0.56	1.4
Methylene Chloride		1.4	U	0.66	1.4
Acetone		220	B	5.2	14
Carbon disulfide		1.9		0.65	1.4
1,1-Dichloroethene		1.4	U	0.52	1.4
1,1-Dichloroethane		1.4	U	0.35	1.4
trans-1,2-Dichloroethene		1.4	U	0.40	1.4
cis-1,2-Dichloroethene		1.4	U	0.33	1.4
Chloroform		1.4	U	0.33	1.4
1,2-Dichloroethane		1.4	U	0.55	1.4
2-Butanone		54		0.80	14
1,1,1-Trichloroethane		1.4	U	0.26	1.4
Carbon tetrachloride		1.4	U	0.14	1.4
Bromodichloromethane		1.4	U	0.43	1.4
1,2-Dichloropropane		1.4	U	0.45	1.4
cis-1,3-Dichloropropene		1.4	U	0.28	1.4
Trichloroethene		1.4	U	0.51	1.4
Dibromochloromethane		1.4	U	0.79	1.4
1,1,2-Trichloroethane		1.4	U	0.83	1.4
Benzene		1.4	U	1.0	1.4
trans-1,3-Dichloropropene		1.4	U	0.31	1.4
Bromoform		1.4	U	0.99	1.4
4-Methyl-2-pentanone		14	U	1.0	14
2-Hexanone		14	U	2.4	14
Tetrachloroethene		1.4	U	0.46	1.4
1,1,2,2-Tetrachloroethane		1.4	U	1.1	1.4
Toluene		1.4	U	0.42	1.4
Chlorobenzene		1.4	U	0.68	1.4
Ethylbenzene		1.4	U	0.27	1.4
Styrene		1.4	U	0.49	1.4
Xylenes, Total		4.2	U	1.1	4.2

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	113		53 - 128
Bromofluorobenzene	121		73 - 143
Toluene-d8 (Surr)	119		59 - 139

Client: Haley & Aldrich, Inc. Job Number: 460-2849-1

Client Sample ID: **B-103:S6**

Lab Sample ID: 460-2849-2 Date Sampled: 06/15/2009 1135
Client Matrix: Solid % Moisture: 34.1 Date Received: 06/16/2009 1715

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 460-9490		Instrument ID:	VOAMS2
Preparation:	5035	Prep Batch: 460-9368		Lab File ID:	b24834.d
Dilution:	1.0			Initial Weight/Volume:	5.40 g
Date Analyzed:	06/18/2009 0756			Final Weight/Volume:	5 mL
Date Prepared:	06/17/2009 0424				

Tentatively Identified Compounds **Number TIC's Found:** 1

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Tentatively Identified Compound		None	
108-87-2	Methylcyclohexane	5.17	7.4	

Client: Haley & Aldrich, Inc. Job Number: 460-2849-1

Client Sample ID: **B-104:S1-S2**

Lab Sample ID: 460-2849-3 Date Sampled: 06/15/2009 0815
Client Matrix: Solid % Moisture: 9.8 Date Received: 06/16/2009 1715

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 460-9490		Instrument ID:	VOAMS2
Preparation:	5035	Prep Batch: 460-9368		Lab File ID:	b24835.d
Dilution:	1.0			Initial Weight/Volume:	5.74 g
Date Analyzed:	06/18/2009 0819			Final Weight/Volume:	5 mL
Date Prepared:	06/17/2009 0426				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Chloromethane		0.97	U	0.61	0.97
Bromomethane		0.97	U	0.40	0.97
Vinyl chloride		0.97	U	0.23	0.97
Chloroethane		0.97	U	0.39	0.97
Methylene Chloride		0.97	U	0.46	0.97
Acetone		13	B	3.6	9.7
Carbon disulfide		0.97	U	0.45	0.97
1,1-Dichloroethene		0.97	U	0.36	0.97
1,1-Dichloroethane		0.97	U	0.24	0.97
trans-1,2-Dichloroethene		0.97	U	0.27	0.97
cis-1,2-Dichloroethene		0.97	U	0.23	0.97
Chloroform		0.97	U	0.23	0.97
1,2-Dichloroethane		0.97	U	0.38	0.97
2-Butanone		9.7	U	0.55	9.7
1,1,1-Trichloroethane		0.97	U	0.18	0.97
Carbon tetrachloride		0.97	U	0.098	0.97
Bromodichloromethane		0.97	U	0.29	0.97
1,2-Dichloropropane		0.97	U	0.31	0.97
cis-1,3-Dichloropropene		0.97	U	0.19	0.97
Trichloroethene		0.97	U	0.35	0.97
Dibromochloromethane		0.97	U	0.54	0.97
1,1,2-Trichloroethane		0.97	U	0.57	0.97
Benzene		0.97	U	0.71	0.97
trans-1,3-Dichloropropene		0.97	U	0.21	0.97
Bromoform		0.97	U	0.68	0.97
4-Methyl-2-pentanone		9.7	U	0.69	9.7
2-Hexanone		9.7	U	1.6	9.7
Tetrachloroethene		0.97	U	0.32	0.97
1,1,2,2-Tetrachloroethane		0.97	U	0.73	0.97
Toluene		0.97	U	0.29	0.97
Chlorobenzene		0.97	U	0.47	0.97
Ethylbenzene		0.97	U	0.18	0.97
Styrene		0.97	U	0.33	0.97
Xylenes, Total		2.9	U	0.76	2.9

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	105		53 - 128
Bromofluorobenzene	121		73 - 143
Toluene-d8 (Surr)	115		59 - 139

Client: Haley & Aldrich, Inc. Job Number: 460-2849-1

Client Sample ID: **B-104:S1-S2**

Lab Sample ID: 460-2849-3 Date Sampled: 06/15/2009 0815
Client Matrix: Solid % Moisture: 9.8 Date Received: 06/16/2009 1715

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 460-9490		Instrument ID:	VOAMS2
Preparation:	5035	Prep Batch: 460-9368		Lab File ID:	b24835.d
Dilution:	1.0			Initial Weight/Volume:	5.74 g
Date Analyzed:	06/18/2009 0819			Final Weight/Volume:	5 mL
Date Prepared:	06/17/2009 0426				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Tentatively Identified Compound		None	

Client: Haley & Aldrich, Inc. Job Number: 460-2849-1

Client Sample ID: **B-104:S5**

Lab Sample ID: 460-2849-4 Date Sampled: 06/15/2009 0935
Client Matrix: Solid % Moisture: 32.3 Date Received: 06/16/2009 1715

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 460-9490		Instrument ID:	VOAMS2
Preparation:	5035	Prep Batch: 460-9368		Lab File ID:	b24836.d
Dilution:	1.0			Initial Weight/Volume:	5.47 g
Date Analyzed:	06/18/2009 0843			Final Weight/Volume:	5 mL
Date Prepared:	06/17/2009 0428				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Chloromethane		1.3	U	0.86	1.3
Bromomethane		1.3	U	0.55	1.3
Vinyl chloride		1.3	U	0.32	1.3
Chloroethane		1.3	U	0.54	1.3
Methylene Chloride		1.3	U	0.64	1.3
Acetone		19	B	5.0	13
Carbon disulfide		1.5		0.63	1.3
1,1-Dichloroethene		1.3	U	0.50	1.3
1,1-Dichloroethane		1.3	U	0.34	1.3
trans-1,2-Dichloroethene		1.3	U	0.38	1.3
cis-1,2-Dichloroethene		1.3	U	0.32	1.3
Chloroform		1.3	U	0.32	1.3
1,2-Dichloroethane		1.3	U	0.53	1.3
2-Butanone		13	U	0.77	13
1,1,1-Trichloroethane		1.3	U	0.25	1.3
Carbon tetrachloride		1.3	U	0.14	1.3
Bromodichloromethane		1.3	U	0.41	1.3
1,2-Dichloropropane		1.3	U	0.43	1.3
cis-1,3-Dichloropropene		1.3	U	0.27	1.3
Trichloroethene		1.3	U	0.49	1.3
Dibromochloromethane		1.3	U	0.76	1.3
1,1,2-Trichloroethane		1.3	U	0.80	1.3
Benzene		1.3	U	1.0	1.3
trans-1,3-Dichloropropene		1.3	U	0.30	1.3
Bromoform		1.3	U	0.95	1.3
4-Methyl-2-pentanone		13	U	0.97	13
2-Hexanone		13	U	2.3	13
Tetrachloroethene		1.3	U	0.45	1.3
1,1,2,2-Tetrachloroethane		1.3	U	1.0	1.3
Toluene		1.3	U	0.40	1.3
Chlorobenzene		1.3	U	0.65	1.3
Ethylbenzene		1.3	U	0.26	1.3
Styrene		1.3	U	0.47	1.3
Xylenes, Total		4.0	U	1.1	4.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	103		53 - 128
Bromofluorobenzene	117		73 - 143
Toluene-d8 (Surr)	111		59 - 139

Client: Haley & Aldrich, Inc. Job Number: 460-2849-1

Client Sample ID: **B-104:S5**

Lab Sample ID: 460-2849-4 Date Sampled: 06/15/2009 0935
Client Matrix: Solid % Moisture: 32.3 Date Received: 06/16/2009 1715

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 460-9490		Instrument ID:	VOAMS2
Preparation:	5035	Prep Batch: 460-9368		Lab File ID:	b24836.d
Dilution:	1.0			Initial Weight/Volume:	5.47 g
Date Analyzed:	06/18/2009 0843			Final Weight/Volume:	5 mL
Date Prepared:	06/17/2009 0428				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Tentatively Identified Compound		None	

Client: Haley & Aldrich, Inc. Job Number: 460-2849-1

Client Sample ID: **B-103:S1**

Lab Sample ID: 460-2849-1 Date Sampled: 06/15/2009 1045
Client Matrix: Solid % Moisture: 14.4 Date Received: 06/16/2009 1715

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-9679		Instrument ID:	BNAMS6
Preparation:	3541	Prep Batch: 460-9371		Lab File ID:	m43579.d
Dilution:	1.0			Initial Weight/Volume:	15.01 g
Date Analyzed:	06/19/2009 0806			Final Weight/Volume:	1 mL
Date Prepared:	06/17/2009 0630			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Bis(2-chloroethyl)ether		39	U	8.0	39
1,3-Dichlorobenzene		390	U	53	390
1,4-Dichlorobenzene		390	U	58	390
1,2-Dichlorobenzene		390	U	62	390
N-Nitrosodi-n-propylamine		39	U	5.1	39
Hexachloroethane		39	U	6.5	39
Nitrobenzene		39	U	8.6	39
Isophorone		390	U	44	390
Bis(2-chloroethoxy)methane		390	U	55	390
1,2,4-Trichlorobenzene		39	U	6.3	39
Naphthalene		390	U	57	390
4-Chloroaniline		390	U	49	390
Hexachlorobutadiene		78	U	16	78
2-Methylnaphthalene		390	U	56	390
Hexachlorocyclopentadiene		390	U	110	390
2-Chloronaphthalene		390	U	55	390
2-Nitroaniline		780	U	110	780
Dimethyl phthalate		390	U	52	390
Acenaphthylene		290	J	55	390
2,6-Dinitrotoluene		78	U	9.8	78
3-Nitroaniline		780	U *	87	780
Acenaphthene		390	U	55	390
Dibenzofuran		390	U	58	390
2,4-Dinitrotoluene		78	U	11	78
Diethyl phthalate		390	U	52	390
4-Chlorophenyl phenyl ether		390	U	66	390
Fluorene		390	U	65	390
4-Nitroaniline		780	U	80	780
N-Nitrosodiphenylamine		390	U	63	390
4-Bromophenyl phenyl ether		390	U	69	390
Hexachlorobenzene		39	U	5.4	39
Phenanthrene		330	J	67	390
Anthracene		140	J	68	390
Carbazole		390	U	61	390
Di-n-butyl phthalate		390	U	59	390
Fluoranthene		790		64	390
Pyrene		1000		67	390
Butyl benzyl phthalate		200	J	45	390
3,3'-Dichlorobenzidine		780	U	86	780
Benzo[a]anthracene		550		7.1	39
Chrysene		560		56	390
Bis(2-ethylhexyl) phthalate		1300		51	390
Di-n-octyl phthalate		390	U	46	390
Benzo[b]fluoranthene		830		5.7	39
Benzo[k]fluoranthene		710		5.4	39
Benzo[a]pyrene		570		4.8	39

Client: Haley & Aldrich, Inc. Job Number: 460-2849-1

Client Sample ID: **B-103:S1**

Lab Sample ID: 460-2849-1 Date Sampled: 06/15/2009 1045
Client Matrix: Solid % Moisture: 14.4 Date Received: 06/16/2009 1715

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-9679		Instrument ID:	BNAMS6
Preparation:	3541	Prep Batch: 460-9371		Lab File ID:	m43579.d
Dilution:	1.0			Initial Weight/Volume:	15.01 g
Date Analyzed:	06/19/2009 0806			Final Weight/Volume:	1 mL
Date Prepared:	06/17/2009 0630			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Indeno[1,2,3-cd]pyrene		160		6.2	39
Dibenz(a,h)anthracene		39	U	4.6	39
Benzo[g,h,i]perylene		130	J	41	390
bis (2-chloroisopropyl) ether		390	U	51	390

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	81		36 - 93
Nitrobenzene-d5	63		31 - 97
Terphenyl-d14	87		40 - 129

Client: Haley & Aldrich, Inc. Job Number: 460-2849-1

Client Sample ID: **B-103:S1**

Lab Sample ID: 460-2849-1 Date Sampled: 06/15/2009 1045
Client Matrix: Solid % Moisture: 14.4 Date Received: 06/16/2009 1715

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-9679		Instrument ID:	BNAMS6
Preparation:	3541	Prep Batch: 460-9371		Lab File ID:	m43579.d
Dilution:	1.0			Initial Weight/Volume:	15.01 g
Date Analyzed:	06/19/2009 0806			Final Weight/Volume:	1 mL
Date Prepared:	06/17/2009 0630			Injection Volume:	1.0 uL

Tentatively Identified Compounds **Number TIC's Found:** **8**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	14.42	1100	T J
	Unknown	14.47	870	T J
	Unknown Alkane	14.62	500	T J
	Unknown	14.72	390	T J
	C20H12 PAH	14.98	390	T J
	C20H12 PAH	15.22	610	T J
	Unknown Alkane	15.52	640	T J
	Unknown	16.61	470	T J

Client: Haley & Aldrich, Inc. Job Number: 460-2849-1

Client Sample ID: **B-103:S6**

Lab Sample ID: 460-2849-2 Date Sampled: 06/15/2009 1135
Client Matrix: Solid % Moisture: 34.1 Date Received: 06/16/2009 1715

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-9679		Instrument ID:	BNAMS6
Preparation:	3541	Prep Batch: 460-9371		Lab File ID:	m43572.d
Dilution:	1.0			Initial Weight/Volume:	15.03 g
Date Analyzed:	06/19/2009 0514			Final Weight/Volume:	1 mL
Date Prepared:	06/17/2009 0630			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Bis(2-chloroethyl)ether		50	U	10	50
1,3-Dichlorobenzene		500	U	69	500
1,4-Dichlorobenzene		500	U	75	500
1,2-Dichlorobenzene		500	U	80	500
N-Nitrosodi-n-propylamine		50	U	6.6	50
Hexachloroethane		50	U	8.5	50
Nitrobenzene		50	U	11	50
Isophorone		500	U	58	500
Bis(2-chloroethoxy)methane		500	U	72	500
1,2,4-Trichlorobenzene		50	U	8.2	50
Naphthalene		310	J	73	500
4-Chloroaniline		500	U	63	500
Hexachlorobutadiene		100	U	20	100
2-Methylnaphthalene		500	U	73	500
Hexachlorocyclopentadiene		500	U	150	500
2-Chloronaphthalene		500	U	71	500
2-Nitroaniline		1000	U	140	1000
Dimethyl phthalate		500	U	68	500
Acenaphthylene		500	U	72	500
2,6-Dinitrotoluene		100	U	13	100
3-Nitroaniline		1000	U *	110	1000
Acenaphthene		500	U	71	500
Dibenzofuran		500	U	75	500
2,4-Dinitrotoluene		100	U	15	100
Diethyl phthalate		500	U	67	500
4-Chlorophenyl phenyl ether		500	U	86	500
Fluorene		500	U	85	500
4-Nitroaniline		1000	U	100	1000
N-Nitrosodiphenylamine		500	U	82	500
4-Bromophenyl phenyl ether		500	U	89	500
Hexachlorobenzene		50	U	7.0	50
Phenanthrene		500	U	87	500
Anthracene		500	U	89	500
Carbazole		500	U	80	500
Di-n-butyl phthalate		500	U	77	500
Fluoranthene		140	J	83	500
Pyrene		160	J	87	500
Butyl benzyl phthalate		610		58	500
3,3'-Dichlorobenzidine		1000	U	110	1000
Benzo[a]anthracene		140		9.3	50
Chrysene		140	J	73	500
Bis(2-ethylhexyl) phthalate		500	U	67	500
Di-n-octyl phthalate		500	U	60	500
Benzo[b]fluoranthene		170		7.5	50
Benzo[k]fluoranthene		140		7.0	50
Benzo[a]pyrene		190		6.2	50

Client: Haley & Aldrich, Inc. Job Number: 460-2849-1

Client Sample ID: **B-103:S6**

Lab Sample ID: 460-2849-2 Date Sampled: 06/15/2009 1135
Client Matrix: Solid % Moisture: 34.1 Date Received: 06/16/2009 1715

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-9679		Instrument ID:	BNAMS6
Preparation:	3541	Prep Batch: 460-9371		Lab File ID:	m43572.d
Dilution:	1.0			Initial Weight/Volume:	15.03 g
Date Analyzed:	06/19/2009 0514			Final Weight/Volume:	1 mL
Date Prepared:	06/17/2009 0630			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Indeno[1,2,3-cd]pyrene		94		8.0	50
Dibenz(a,h)anthracene		50	U	6.0	50
Benzo[g,h,i]perylene		100	J	53	500
bis (2-chloroisopropyl) ether		500	U	66	500

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	72		36 - 93
Nitrobenzene-d5	56		31 - 97
Terphenyl-d14	58		40 - 129

Client: Haley & Aldrich, Inc. Job Number: 460-2849-1

Client Sample ID: **B-103:S6**

Lab Sample ID: 460-2849-2 Date Sampled: 06/15/2009 1135
Client Matrix: Solid % Moisture: 34.1 Date Received: 06/16/2009 1715

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-9679		Instrument ID:	BNAMS6
Preparation:	3541	Prep Batch: 460-9371		Lab File ID:	m43572.d
Dilution:	1.0			Initial Weight/Volume:	15.03 g
Date Analyzed:	06/19/2009 0514			Final Weight/Volume:	1 mL
Date Prepared:	06/17/2009 0630			Injection Volume:	1.0 uL

Tentatively Identified Compounds **Number TIC's Found:** **15**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	12.81	650	T J
	Unknown	13.04	1100	T J
	Unknown	13.82	600	T J
	Unknown	14.42	1600	T J
	Unknown	14.46	1400	T J
	Unknown Alkane	14.63	640	T J
	Unknown	14.69	1300	T J
	Unknown	15.32	680	T J
	Unknown Alkane	15.52	1000	T J
	Unknown	16.37	440	T J
	Unknown Alkane	16.61	660	T J
	Unknown	16.85	510	T J
	Unknown	17.40	750	T J
	Unknown	17.81	2300	T J
	Unknown	18.04	1600	T J

Client: Haley & Aldrich, Inc. Job Number: 460-2849-1

Client Sample ID: **B-104:S1-S2**

Lab Sample ID: 460-2849-3 Date Sampled: 06/15/2009 0815
Client Matrix: Solid % Moisture: 9.8 Date Received: 06/16/2009 1715

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-9775		Instrument ID:	BNAMS6
Preparation:	3541	Prep Batch: 460-9371		Lab File ID:	m43605.d
Dilution:	2.0			Initial Weight/Volume:	14.97 g
Date Analyzed:	06/21/2009 1254			Final Weight/Volume:	1 mL
Date Prepared:	06/17/2009 0630			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Bis(2-chloroethyl)ether		73	U	15	73
1,3-Dichlorobenzene		730	U	100	730
1,4-Dichlorobenzene		730	U	110	730
1,2-Dichlorobenzene		730	U	120	730
N-Nitrosodi-n-propylamine		73	U	9.7	73
Hexachloroethane		73	U	12	73
Nitrobenzene		73	U	16	73
Isophorone		730	U	84	730
Bis(2-chloroethoxy)methane		730	U	100	730
1,2,4-Trichlorobenzene		73	U	12	73
Naphthalene		730	U	110	730
4-Chloroaniline		730	U	92	730
Hexachlorobutadiene		150	U	30	150
2-Methylnaphthalene		730	U	110	730
Hexachlorocyclopentadiene		730	U	210	730
2-Chloronaphthalene		730	U	100	730
2-Nitroaniline		1500	U	200	1500
Dimethyl phthalate		730	U	99	730
Acenaphthylene		130	J	110	730
2,6-Dinitrotoluene		150	U	19	150
3-Nitroaniline		1500	U *	170	1500
Acenaphthene		590	J	100	730
Dibenzofuran		400	J	110	730
2,4-Dinitrotoluene		150	U	21	150
Diethyl phthalate		730	U	99	730
4-Chlorophenyl phenyl ether		730	U	130	730
Fluorene		1000		120	730
4-Nitroaniline		1500	U	150	1500
N-Nitrosodiphenylamine		730	U	120	730
4-Bromophenyl phenyl ether		730	U	130	730
Hexachlorobenzene		73	U	10	73
Phenanthrene		12000		130	730
Anthracene		3100		130	730
Carbazole		950		120	730
Di-n-butyl phthalate		730	U	110	730
Fluoranthene		14000		120	730
Pyrene		10000		130	730
Butyl benzyl phthalate		730	U	86	730
3,3'-Dichlorobenzidine		1500	U	160	1500
Benzo[a]anthracene		5400		14	73
Chrysene		4500		110	730
Bis(2-ethylhexyl) phthalate		190	J	98	730
Di-n-octyl phthalate		730	U	87	730
Benzo[b]fluoranthene		3400		11	73
Benzo[k]fluoranthene		4100		10	73
Benzo[a]pyrene		3400		9.0	73

Client: Haley & Aldrich, Inc. Job Number: 460-2849-1

Client Sample ID: **B-104:S1-S2**

Lab Sample ID: 460-2849-3 Date Sampled: 06/15/2009 0815
Client Matrix: Solid % Moisture: 9.8 Date Received: 06/16/2009 1715

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-9775		Instrument ID:	BNAMS6
Preparation:	3541	Prep Batch: 460-9371		Lab File ID:	m43605.d
Dilution:	2.0			Initial Weight/Volume:	14.97 g
Date Analyzed:	06/21/2009 1254			Final Weight/Volume:	1 mL
Date Prepared:	06/17/2009 0630			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Indeno[1,2,3-cd]pyrene		990		12	73
Dibenz(a,h)anthracene		73	U	8.8	73
Benzo[g,h,i]perylene		870		78	730
bis (2-chloroisopropyl) ether		730	U	96	730

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	77		36 - 93
Nitrobenzene-d5	70		31 - 97
Terphenyl-d14	63		40 - 129

Client: Haley & Aldrich, Inc. Job Number: 460-2849-1

Client Sample ID: **B-104:S1-S2**

Lab Sample ID: 460-2849-3 Date Sampled: 06/15/2009 0815
Client Matrix: Solid % Moisture: 9.8 Date Received: 06/16/2009 1715

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-9775		Instrument ID:	BNAMS6
Preparation:	3541	Prep Batch: 460-9371		Lab File ID:	m43605.d
Dilution:	2.0			Initial Weight/Volume:	14.97 g
Date Analyzed:	06/21/2009 1254			Final Weight/Volume:	1 mL
Date Prepared:	06/17/2009 0630			Injection Volume:	1.0 uL

Tentatively Identified Compounds **Number TIC's Found:** **14**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	6.78	890	T J
	Ethyldimethylbenzene isomer	7.47	940	T J
132-65-0	Dibenzothiophene	10.47	630	T J N
	C15H12 PAH	11.07	1100	T J
	C15H12 PAH	11.10	1300	T J
	C15H10/C15H12 PAHs	11.21	2600	T J
	C16H12 PAH	11.35	770	T J
	C17H12 PAH	12.37	2100	T J
	C17H12 PAH	12.43	1600	T J
	C18H10 PAH	13.12	740	T J
	C18H12 PAH	13.50	870	T J
	C19H14 PAH	13.83	880	T J
	C20H12 PAH	15.11	2700	T J
	C20H12 PAH	15.29	1500	T J

Client: Haley & Aldrich, Inc. Job Number: 460-2849-1

Client Sample ID: **B-104:S5**

Lab Sample ID: 460-2849-4 Date Sampled: 06/15/2009 0935
Client Matrix: Solid % Moisture: 32.3 Date Received: 06/16/2009 1715

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-9775		Instrument ID:	BNAMS6
Preparation:	3541	Prep Batch: 460-9371		Lab File ID:	m43597.d
Dilution:	1.0			Initial Weight/Volume:	15.00 g
Date Analyzed:	06/21/2009 0923			Final Weight/Volume:	1 mL
Date Prepared:	06/17/2009 0630			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Bis(2-chloroethyl)ether		49	U	10	49
1,3-Dichlorobenzene		490	U	67	490
1,4-Dichlorobenzene		490	U	73	490
1,2-Dichlorobenzene		490	U	78	490
N-Nitrosodi-n-propylamine		49	U	6.5	49
Hexachloroethane		49	U	8.2	49
Nitrobenzene		49	U	11	49
Isophorone		490	U	56	490
Bis(2-chloroethoxy)methane		490	U	70	490
1,2,4-Trichlorobenzene		49	U	8.0	49
Naphthalene		490	U	71	490
4-Chloroaniline		490	U	61	490
Hexachlorobutadiene		99	U	20	99
2-Methylnaphthalene		490	U	71	490
Hexachlorocyclopentadiene		490	U	140	490
2-Chloronaphthalene		490	U	69	490
2-Nitroaniline		990	U	130	990
Dimethyl phthalate		490	U	66	490
Acenaphthylene		490	U	70	490
2,6-Dinitrotoluene		99	U	12	99
3-Nitroaniline		990	U *	110	990
Acenaphthene		490	U	70	490
Dibenzofuran		490	U	73	490
2,4-Dinitrotoluene		99	U	14	99
Diethyl phthalate		490	U	66	490
4-Chlorophenyl phenyl ether		490	U	84	490
Fluorene		490	U	83	490
4-Nitroaniline		990	U	100	990
N-Nitrosodiphenylamine		490	U	80	490
4-Bromophenyl phenyl ether		490	U	87	490
Hexachlorobenzene		49	U	6.8	49
Phenanthrene		110	J	85	490
Anthracene		490	U	86	490
Carbazole		490	U	78	490
Di-n-butyl phthalate		490	U	75	490
Fluoranthene		150	J	81	490
Pyrene		130	J	84	490
Butyl benzyl phthalate		160	J	57	490
3,3'-Dichlorobenzidine		990	U	110	990
Benzo[a]anthracene		69		9.0	49
Chrysene		71	J	71	490
Bis(2-ethylhexyl) phthalate		120	J	65	490
Di-n-octyl phthalate		490	U	58	490
Benzo[b]fluoranthene		45	J	7.3	49
Benzo[k]fluoranthene		51		6.8	49
Benzo[a]pyrene		57		6.0	49

Client: Haley & Aldrich, Inc. Job Number: 460-2849-1

Client Sample ID: **B-104:S5**

Lab Sample ID: 460-2849-4 Date Sampled: 06/15/2009 0935
Client Matrix: Solid % Moisture: 32.3 Date Received: 06/16/2009 1715

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-9775		Instrument ID:	BNAMS6
Preparation:	3541	Prep Batch: 460-9371		Lab File ID:	m43597.d
Dilution:	1.0			Initial Weight/Volume:	15.00 g
Date Analyzed:	06/21/2009 0923			Final Weight/Volume:	1 mL
Date Prepared:	06/17/2009 0630			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Indeno[1,2,3-cd]pyrene		31	J	7.8	49
Dibenz(a,h)anthracene		49	U	5.9	49
Benzo[g,h,i]perylene		490	U	52	490
bis (2-chloroisopropyl) ether		490	U	64	490

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	71		36 - 93
Nitrobenzene-d5	67		31 - 97
Terphenyl-d14	66		40 - 129

Client: Haley & Aldrich, Inc. Job Number: 460-2849-1

Client Sample ID: **B-104:S5**

Lab Sample ID: 460-2849-4 Date Sampled: 06/15/2009 0935
Client Matrix: Solid % Moisture: 32.3 Date Received: 06/16/2009 1715

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-9775		Instrument ID:	BNAMS6
Preparation:	3541	Prep Batch: 460-9371		Lab File ID:	m43597.d
Dilution:	1.0			Initial Weight/Volume:	15.00 g
Date Analyzed:	06/21/2009 0923			Final Weight/Volume:	1 mL
Date Prepared:	06/17/2009 0630			Injection Volume:	1.0 uL

Tentatively Identified Compounds **Number TIC's Found:** **2**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	6.78	560	T J
	Ethyldimethylbenzene isomer	7.46	480	T J

Client: Haley & Aldrich, Inc. Job Number: 460-2849-1

Client Sample ID: **B-103:S1**

Lab Sample ID: 460-2849-1 Date Sampled: 06/15/2009 1045
Client Matrix: Solid % Moisture: 14.4 Date Received: 06/16/2009 1715

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 460-9761		Instrument ID:	PESTGC5
Preparation:	3541	Prep Batch: 460-9394		Initial Weight/Volume:	15.02 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	06/18/2009 1541			Injection Volume:	1.0 uL
Date Prepared:	06/17/2009 1000			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aldrin		7.8	U	1.7	7.8
alpha-BHC		7.8	U	1.4	7.8
beta-BHC		7.8	U	1.1	7.8
delta-BHC		7.8	U	1.2	7.8
gamma-BHC (Lindane)		7.8	U	0.91	7.8
Chlordane		78	U	17	78
4,4'-DDD		7.5	J	0.93	7.8
4,4'-DDE		6.8	J	1.5	7.8
4,4'-DDT		7.8	U	0.98	7.8
Dieldrin		35		1.5	7.8
Endosulfan I		7.8	U	1.6	7.8
Endosulfan II		7.8	U	1.2	7.8
Endosulfan sulfate		7.8	U	1.0	7.8
Endrin		5.0	J	1.1	7.8
Endrin aldehyde		2.6	J	1.9	7.8
Endrin ketone		7.8	U	1.2	7.8
Heptachlor		7.8	U	1.1	7.8
Heptachlor epoxide		7.8	U	1.6	7.8
Methoxychlor		7.8	U	0.88	7.8
Toxaphene		78	U	16	78

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	80		26 - 126
DCB Decachlorobiphenyl	89		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-2849-1

Client Sample ID: **B-103:S1**

Lab Sample ID: 460-2849-1 Date Sampled: 06/15/2009 1045
Client Matrix: Solid % Moisture: 14.4 Date Received: 06/16/2009 1715

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 460-9761	Instrument ID:	PESTGC5
Preparation:	3541	Prep Batch: 460-9394	Initial Weight/Volume:	15.02 g
Dilution:	1.0		Final Weight/Volume:	10 mL
Date Analyzed:	06/18/2009 1541		Injection Volume:	1.0 uL
Date Prepared:	06/17/2009 1000		Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	77		26 - 126
DCB Decachlorobiphenyl	137		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-2849-1

Client Sample ID: **B-103:S6**

Lab Sample ID: 460-2849-2 Date Sampled: 06/15/2009 1135
Client Matrix: Solid % Moisture: 34.1 Date Received: 06/16/2009 1715

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 460-9761		Instrument ID:	PESTGC5
Preparation:	3541	Prep Batch: 460-9394		Initial Weight/Volume:	15.01 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	06/18/2009 1556			Injection Volume:	1.0 uL
Date Prepared:	06/17/2009 1000			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aldrin		10	U	2.2	10
alpha-BHC		10	U	1.9	10
beta-BHC		10	U	1.4	10
delta-BHC		10	U	1.5	10
gamma-BHC (Lindane)		10	U	1.2	10
Chlordane		100	U	22	100
4,4'-DDD		10	U	1.2	10
4,4'-DDE		10	U	2.0	10
4,4'-DDT		10	U	1.3	10
Dieldrin		10	U	2.0	10
Endosulfan I		10	U	2.1	10
Endosulfan II		10	U	1.5	10
Endosulfan sulfate		10	U	1.3	10
Endrin		10	U	1.4	10
Endrin aldehyde		80		2.5	10
Endrin ketone		10	U	1.5	10
Heptachlor		10	U	1.5	10
Heptachlor epoxide		10	U	2.0	10
Methoxychlor		3.8	J	1.1	10
Toxaphene		100	U	21	100

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	85		26 - 126
DCB Decachlorobiphenyl	103		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-2849-1

Client Sample ID: **B-103:S6**

Lab Sample ID: 460-2849-2 Date Sampled: 06/15/2009 1135
Client Matrix: Solid % Moisture: 34.1 Date Received: 06/16/2009 1715

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 460-9761	Instrument ID:	PESTGC5
Preparation:	3541	Prep Batch: 460-9394	Initial Weight/Volume:	15.01 g
Dilution:	1.0		Final Weight/Volume:	10 mL
Date Analyzed:	06/18/2009 1556		Injection Volume:	1.0 uL
Date Prepared:	06/17/2009 1000		Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	81		26 - 126
DCB Decachlorobiphenyl	89		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-2849-1

Client Sample ID: **B-104:S1-S2**

Lab Sample ID: 460-2849-3 Date Sampled: 06/15/2009 0815
Client Matrix: Solid % Moisture: 9.8 Date Received: 06/16/2009 1715

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 460-9761		Instrument ID:	PESTGC5
Preparation:	3541	Prep Batch: 460-9394		Initial Weight/Volume:	14.99 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	06/18/2009 1610			Injection Volume:	1.0 uL
Date Prepared:	06/17/2009 1000			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aldrin		7.4	U	1.6	7.4
alpha-BHC		20		1.4	7.4
beta-BHC		7.4	U	1.0	7.4
delta-BHC		7.4	U	1.1	7.4
gamma-BHC (Lindane)		7.4	U	0.87	7.4
Chlordane		74	U	16	74
4,4'-DDD		27		0.89	7.4
4,4'-DDE		10		1.4	7.4
4,4'-DDT		13		0.93	7.4
Dieldrin		6.1	J	1.4	7.4
Endosulfan I		16		1.6	7.4
Endosulfan II		7.4	U	1.1	7.4
Endosulfan sulfate		2.8	J	0.95	7.4
Endrin		1.5	J	1.0	7.4
Endrin aldehyde		15		1.9	7.4
Endrin ketone		7.4	U	1.1	7.4
Heptachlor		7.4	U	1.1	7.4
Heptachlor epoxide		7.4	U	1.5	7.4
Methoxychlor		7.4	U	0.83	7.4
Toxaphene		74	U	16	74

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	101		26 - 126
DCB Decachlorobiphenyl	114		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-2849-1

Client Sample ID: **B-104:S1-S2**

Lab Sample ID: 460-2849-3 Date Sampled: 06/15/2009 0815
Client Matrix: Solid % Moisture: 9.8 Date Received: 06/16/2009 1715

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 460-9761	Instrument ID:	PESTGC5
Preparation:	3541	Prep Batch: 460-9394	Initial Weight/Volume:	14.99 g
Dilution:	1.0		Final Weight/Volume:	10 mL
Date Analyzed:	06/18/2009 1610		Injection Volume:	1.0 uL
Date Prepared:	06/17/2009 1000		Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	86		26 - 126
DCB Decachlorobiphenyl	93		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-2849-1

Client Sample ID: **B-104:S5**

Lab Sample ID: 460-2849-4 Date Sampled: 06/15/2009 0935
Client Matrix: Solid % Moisture: 32.3 Date Received: 06/16/2009 1715

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 460-9761		Instrument ID:	PESTGC5
Preparation:	3541	Prep Batch: 460-9394		Initial Weight/Volume:	14.99 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	06/18/2009 1625			Injection Volume:	1.0 uL
Date Prepared:	06/17/2009 1000			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aldrin		9.9	U	2.2	9.9
alpha-BHC		9.9	U	1.8	9.9
beta-BHC		9.9	U	1.3	9.9
delta-BHC		9.9	U	1.5	9.9
gamma-BHC (Lindane)		9.9	U	1.2	9.9
Chlordane		99	U	21	99
4,4'-DDD		24		1.2	9.9
4,4'-DDE		2.9	J	1.9	9.9
4,4'-DDT		9.8	J	1.2	9.9
Dieldrin		2.2	J	1.9	9.9
Endosulfan I		9.9	U	2.1	9.9
Endosulfan II		8.1	J B	1.5	9.9
Endosulfan sulfate		1.4	J	1.3	9.9
Endrin		9.9	U	1.4	9.9
Endrin aldehyde		5.3	J	2.5	9.9
Endrin ketone		1.5	J	1.5	9.9
Heptachlor		9.9	U	1.4	9.9
Heptachlor epoxide		9.9	U	2.0	9.9
Methoxychlor		1.8	J	1.1	9.9
Toxaphene		99	U	21	99

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	77		26 - 126
DCB Decachlorobiphenyl	83		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-2849-1

Client Sample ID: **B-104:S5**

Lab Sample ID: 460-2849-4 Date Sampled: 06/15/2009 0935
Client Matrix: Solid % Moisture: 32.3 Date Received: 06/16/2009 1715

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 460-9761	Instrument ID:	PESTGC5
Preparation:	3541	Prep Batch: 460-9394	Initial Weight/Volume:	14.99 g
Dilution:	1.0		Final Weight/Volume:	10 mL
Date Analyzed:	06/18/2009 1625		Injection Volume:	1.0 uL
Date Prepared:	06/17/2009 1000		Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	76		26 - 126
DCB Decachlorobiphenyl	73		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-2849-1

Client Sample ID: **B-103:S1**

Lab Sample ID: 460-2849-1 Date Sampled: 06/15/2009 1045
Client Matrix: Solid % Moisture: 14.4 Date Received: 06/16/2009 1715

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 460-9766		Instrument ID:	PESTGC9
Preparation:	3541	Prep Batch: 460-9374		Initial Weight/Volume:	15.02 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	06/18/2009 1554			Injection Volume:	1.0 uL
Date Prepared:	06/17/2009 0752			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		78	U	15	78
Aroclor 1221		78	U	24	78
Aroclor 1232		78	U	44	78
Aroclor 1242		97		15	78
Aroclor 1248		78	U	21	78
Aroclor 1254		78	U	27	78
Aroclor 1260		52	J	8.7	78
Aroclor 1262		78	U	13	78
Aroclor 1268		78	U	13	78

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	55		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-2849-1

Client Sample ID: **B-103:S1**

Lab Sample ID: 460-2849-1 Date Sampled: 06/15/2009 1045
Client Matrix: Solid % Moisture: 14.4 Date Received: 06/16/2009 1715

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 460-9766		Instrument ID:	PESTGC9
Preparation:	3541	Prep Batch: 460-9374		Initial Weight/Volume:	15.02 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	06/18/2009 1554			Injection Volume:	1.0 uL
Date Prepared:	06/17/2009 0752			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	83		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-2849-1

Client Sample ID: **B-103:S6**

Lab Sample ID: 460-2849-2 Date Sampled: 06/15/2009 1135
Client Matrix: Solid % Moisture: 34.1 Date Received: 06/16/2009 1715

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 460-10087		Instrument ID:	PESTGC9
Preparation:	3541	Prep Batch: 460-9632		Initial Weight/Volume:	15.01 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	06/23/2009 1525			Injection Volume:	1.0 uL
Date Prepared:	06/19/2009 1040			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		100	U	19	100
Aroclor 1221		100	U	31	100
Aroclor 1232		100	U	58	100
Aroclor 1242		100	U	19	100
Aroclor 1248		100	U	27	100
Aroclor 1254		100	U	35	100
Aroclor 1260		100	U	11	100
Aroclor 1262		100	U	17	100
Aroclor 1268		100	U	17	100

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	89		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-2849-1

Client Sample ID: **B-103:S6**

Lab Sample ID: 460-2849-2 Date Sampled: 06/15/2009 1135
Client Matrix: Solid % Moisture: 34.1 Date Received: 06/16/2009 1715

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 460-10087		Instrument ID:	PESTGC9
Preparation:	3541	Prep Batch: 460-9632		Initial Weight/Volume:	15.01 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	06/23/2009 1525			Injection Volume:	1.0 uL
Date Prepared:	06/19/2009 1040			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	68		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-2849-1

Client Sample ID: **B-104:S1-S2**

Lab Sample ID: 460-2849-3 Date Sampled: 06/15/2009 0815
Client Matrix: Solid % Moisture: 9.8 Date Received: 06/16/2009 1715

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 460-9770		Instrument ID:	PESTGC9
Preparation:	3541	Prep Batch: 460-9374		Initial Weight/Volume:	15.02 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	06/19/2009 0903			Injection Volume:	1.0 uL
Date Prepared:	06/17/2009 0752			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		74	U	14	74
Aroclor 1221		74	U	22	74
Aroclor 1232		74	U	42	74
Aroclor 1242		74	U	14	74
Aroclor 1248		74	U	20	74
Aroclor 1254		74	U	25	74
Aroclor 1260		74	U	8.3	74
Aroclor 1262		74	U	13	74
Aroclor 1268		74	U	13	74

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	58		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-2849-1

Client Sample ID: **B-104:S1-S2**

Lab Sample ID: 460-2849-3 Date Sampled: 06/15/2009 0815
Client Matrix: Solid % Moisture: 9.8 Date Received: 06/16/2009 1715

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 460-9770		Instrument ID:	PESTGC9
Preparation:	3541	Prep Batch: 460-9374		Initial Weight/Volume:	15.02 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	06/19/2009 0903			Injection Volume:	1.0 uL
Date Prepared:	06/17/2009 0752			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	53		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-2849-1

Client Sample ID: **B-104:S5**

Lab Sample ID: 460-2849-4 Date Sampled: 06/15/2009 0935
Client Matrix: Solid % Moisture: 32.3 Date Received: 06/16/2009 1715

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 460-9770		Instrument ID:	PESTGC9
Preparation:	3541	Prep Batch: 460-9374		Initial Weight/Volume:	15.03 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	06/19/2009 0919			Injection Volume:	1.0 uL
Date Prepared:	06/17/2009 0752			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		99	U	19	99
Aroclor 1221		99	U	30	99
Aroclor 1232		99	U	56	99
Aroclor 1242		99	U	19	99
Aroclor 1248		99	U	26	99
Aroclor 1254		99	U	34	99
Aroclor 1260		99	U	11	99
Aroclor 1262		99	U	17	99
Aroclor 1268		99	U	17	99

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	54		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-2849-1

Client Sample ID: **B-104:S5**

Lab Sample ID: 460-2849-4 Date Sampled: 06/15/2009 0935
Client Matrix: Solid % Moisture: 32.3 Date Received: 06/16/2009 1715

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 460-9770		Instrument ID:	PESTGC9
Preparation:	3541	Prep Batch: 460-9374		Initial Weight/Volume:	15.03 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	06/19/2009 0919			Injection Volume:	1.0 uL
Date Prepared:	06/17/2009 0752			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	53		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-2849-1

Client Sample ID: **B-103:S1**

Lab Sample ID: 460-2849-1 Date Sampled: 06/15/2009 1045
Client Matrix: Solid % Moisture: 14.4 Date Received: 06/16/2009 1715

NJ-OQA-QAM-025 New Jersey - Total petroleum Hydrocarbons (GC)

Method:	NJ-OQA-QAM-025	Analysis Batch: 460-9609		Instrument ID:	BNAGC1
Preparation:	3541	Prep Batch: 460-9466		Lab File ID:	gcr33348.d
Dilution:	1.0			Initial Weight/Volume:	15.00 g
Date Analyzed:	06/18/2009 1631			Final Weight/Volume:	1 mL
Date Prepared:	06/17/2009 1914			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL	RL
Total Petroleum Hydrocarbons (C8-C40)		32		6.4	6.4

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	83		46 - 124
Chlorobenzene	71		19 - 98

Client: Haley & Aldrich, Inc. Job Number: 460-2849-1

Client Sample ID: **B-103:S6**

Lab Sample ID: 460-2849-2 Date Sampled: 06/15/2009 1135
Client Matrix: Solid % Moisture: 34.1 Date Received: 06/16/2009 1715

NJ-OQA-QAM-025 New Jersey - Total petroleum Hydrocarbons (GC)

Method:	NJ-OQA-QAM-025	Analysis Batch: 460-9609		Instrument ID:	BNAGC1
Preparation:	3541	Prep Batch: 460-9466		Lab File ID:	gcr33346.d
Dilution:	1.0			Initial Weight/Volume:	14.98 g
Date Analyzed:	06/18/2009 1602			Final Weight/Volume:	1 mL
Date Prepared:	06/17/2009 1914			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL	RL
Total Petroleum Hydrocarbons (C8-C40)		20		8.4	8.4

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	68		46 - 124
Chlorobenzene	26		19 - 98

Client: Haley & Aldrich, Inc. Job Number: 460-2849-1

Client Sample ID: **B-104:S1-S2**

Lab Sample ID: 460-2849-3 Date Sampled: 06/15/2009 0815
Client Matrix: Solid % Moisture: 9.8 Date Received: 06/16/2009 1715

NJ-OQA-QAM-025 New Jersey - Total petroleum Hydrocarbons (GC)

Method:	NJ-OQA-QAM-025	Analysis Batch: 460-9609		Instrument ID:	BNAGC1
Preparation:	3541	Prep Batch: 460-9466		Lab File ID:	gcr33349.d
Dilution:	1.0			Initial Weight/Volume:	14.98 g
Date Analyzed:	06/18/2009 1642			Final Weight/Volume:	1 mL
Date Prepared:	06/17/2009 1914			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL	RL
Total Petroleum Hydrocarbons (C8-C40)		55		6.1	6.1

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	82		46 - 124
Chlorobenzene	72		19 - 98

Client: Haley & Aldrich, Inc. Job Number: 460-2849-1

Client Sample ID: **B-104:S5**

Lab Sample ID: 460-2849-4 Date Sampled: 06/15/2009 0935
Client Matrix: Solid % Moisture: 32.3 Date Received: 06/16/2009 1715

NJ-OQA-QAM-025 New Jersey - Total petroleum Hydrocarbons (GC)

Method:	NJ-OQA-QAM-025	Analysis Batch: 460-9609		Instrument ID:	BNAGC1
Preparation:	3541	Prep Batch: 460-9466		Lab File ID:	gcr33347.d
Dilution:	1.0			Initial Weight/Volume:	15.00 g
Date Analyzed:	06/18/2009 1616			Final Weight/Volume:	1 mL
Date Prepared:	06/17/2009 1914			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL	RL
Total Petroleum Hydrocarbons (C8-C40)		8.1	U	8.1	8.1

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	60		46 - 124
Chlorobenzene	54		19 - 98

Client: Haley & Aldrich, Inc. Job Number: 460-2849-1

Client Sample ID: **B-103:S1**

Lab Sample ID: 460-2849-1 Date Sampled: 06/15/2009 1045
Client Matrix: Solid % Moisture: 14.4 Date Received: 06/16/2009 1715

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 460-9614		Instrument ID:	ICP2
Preparation:	3050B	Prep Batch: 460-9445		Lab File ID:	9445V1
Dilution:	4.0			Initial Weight/Volume:	1.02 g
Date Analyzed:	06/18/2009 2008			Final Weight/Volume:	50 mL
Date Prepared:	06/17/2009 1516				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		8840		16.8	45.8
Antimony		2.3	U	1.0	2.3
Arsenic		7.4		0.80	1.1
Barium		134		1.4	45.8
Beryllium		1.5		0.20	0.46
Cadmium		0.41	J	0.18	1.1
Calcium		6860		30.1	1150
Chromium		43.7		1.4	2.3
Cobalt		10.5	J	1.4	11.5
Copper		160		0.94	5.7
Iron		22200		12.2	34.4
Lead		602		0.57	1.1
Magnesium		3290		12.1	1150
Manganese		340		1.3	3.4
Nickel		51.9		0.61	9.2
Potassium		913	J	51.7	1150
Selenium		2.3	U	1.1	2.3
Silver		0.18	J	0.17	2.3
Sodium		828	J	70.4	1150
Thallium		2.3	U	1.1	2.3
Vanadium		136		0.60	11.5
Zinc		530		1.1	6.9

7471A Mercury (CVAA)

Method:	7471A	Analysis Batch: 460-9544		Instrument ID:	LEEMAN3
Preparation:	7471A	Prep Batch: 460-9514		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	0.60 g
Date Analyzed:	06/18/2009 1248			Final Weight/Volume:	100 mL
Date Prepared:	06/18/2009 0947				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.89		0.030	0.039

Client: Haley & Aldrich, Inc. Job Number: 460-2849-1

Client Sample ID: **B-103:S6**

Lab Sample ID: 460-2849-2 Date Sampled: 06/15/2009 1135
Client Matrix: Solid % Moisture: 34.1 Date Received: 06/16/2009 1715

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 460-9614		Instrument ID:	ICP2
Preparation:	3050B	Prep Batch: 460-9445		Lab File ID:	9445V1
Dilution:	4.0			Initial Weight/Volume:	1.00 g
Date Analyzed:	06/18/2009 2014			Final Weight/Volume:	50 mL
Date Prepared:	06/17/2009 1516				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		17800		22.3	60.7
Antimony		3.0	U	1.3	3.0
Arsenic		7.7		1.1	1.5
Barium		74.4		1.8	60.7
Beryllium		0.53	J	0.27	0.61
Cadmium		1.5	U	0.24	1.5
Calcium		15000		39.9	1520
Chromium		32.2		1.8	3.0
Cobalt		6.1	J	1.9	15.2
Copper		29.2		1.2	7.6
Iron		22000		16.1	45.6
Lead		85.5		0.76	1.5
Magnesium		5500		16.1	1520
Manganese		190		1.7	4.6
Nickel		19.8		0.81	12.1
Potassium		1480	J	68.5	1520
Selenium		1.6	J	1.4	3.0
Silver		3.0	U	0.23	3.0
Sodium		886	J	93.2	1520
Thallium		3.0	U	1.5	3.0
Vanadium		43.0		0.79	15.2
Zinc		76.2		1.5	9.1

7471A Mercury (CVAA)

Method:	7471A	Analysis Batch: 460-9544		Instrument ID:	LEEMAN3
Preparation:	7471A	Prep Batch: 460-9514		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	0.65 g
Date Analyzed:	06/18/2009 1250			Final Weight/Volume:	100 mL
Date Prepared:	06/18/2009 0947				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.20		0.036	0.046

Client: Haley & Aldrich, Inc. Job Number: 460-2849-1

Client Sample ID: **B-104:S1-S2**

Lab Sample ID: 460-2849-3 Date Sampled: 06/15/2009 0815
Client Matrix: Solid % Moisture: 9.8 Date Received: 06/16/2009 1715

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 460-9614		Instrument ID:	ICP2
Preparation:	3050B	Prep Batch: 460-9445		Lab File ID:	9445V1
Dilution:	4.0			Initial Weight/Volume:	1.00 g
Date Analyzed:	06/18/2009 2020			Final Weight/Volume:	50 mL
Date Prepared:	06/17/2009 1516				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		4880		16.3	44.4
Antimony		2.2	U	0.98	2.2
Arsenic		9.5		0.77	1.1
Barium		177		1.3	44.4
Beryllium		0.95		0.20	0.44
Cadmium		0.30	J	0.17	1.1
Calcium		45000		29.2	1110
Chromium		26.6		1.3	2.2
Cobalt		6.6	J	1.4	11.1
Copper		145		0.91	5.5
Iron		18400		11.8	33.3
Lead		698		0.55	1.1
Magnesium		16900		11.7	1110
Manganese		208		1.3	3.3
Nickel		40.7		0.59	8.9
Potassium		561	J	50.1	1110
Selenium		2.2	U	1.0	2.2
Silver		0.24	J	0.17	2.2
Sodium		272	J	68.1	1110
Thallium		2.2	U	1.1	2.2
Vanadium		21.3		0.58	11.1
Zinc		414		1.1	6.7

7471A Mercury (CVAA)

Method:	7471A	Analysis Batch: 460-9544		Instrument ID:	LEEMAN3
Preparation:	7471A	Prep Batch: 460-9514		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	0.65 g
Date Analyzed:	06/18/2009 1252			Final Weight/Volume:	100 mL
Date Prepared:	06/18/2009 0947				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.96		0.027	0.034

Client: Haley & Aldrich, Inc. Job Number: 460-2849-1

Client Sample ID: **B-104:S5**

Lab Sample ID: 460-2849-4 Date Sampled: 06/15/2009 0935
Client Matrix: Solid % Moisture: 32.3 Date Received: 06/16/2009 1715

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 460-9614		Instrument ID:	ICP2
Preparation:	3050B	Prep Batch: 460-9445		Lab File ID:	9445V1
Dilution:	4.0			Initial Weight/Volume:	1.01 g
Date Analyzed:	06/18/2009 2026			Final Weight/Volume:	50 mL
Date Prepared:	06/17/2009 1516				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		9100		21.4	58.5
Antimony		1.8	J	1.3	2.9
Arsenic		10.2		1.0	1.5
Barium		406		1.8	58.5
Beryllium		0.83		0.26	0.58
Cadmium		1.5	U	0.23	1.5
Calcium		14100		38.4	1460
Chromium		32.1		1.7	2.9
Cobalt		11.3	J	1.8	14.6
Copper		102		1.2	7.3
Iron		26100		15.5	43.9
Lead		668		0.73	1.5
Magnesium		3080		15.5	1460
Manganese		162		1.6	4.4
Nickel		27.0		0.78	11.7
Potassium		1860		66.0	1460
Selenium		2.9	U	1.4	2.9
Silver		2.9	U	0.22	2.9
Sodium		836	J	89.8	1460
Thallium		2.9	U	1.4	2.9
Vanadium		30.8		0.76	14.6
Zinc		330		1.4	8.8

7471A Mercury (CVAA)

Method:	7471A	Analysis Batch: 460-9544		Instrument ID:	LEEMAN3
Preparation:	7471A	Prep Batch: 460-9514		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	0.61 g
Date Analyzed:	06/18/2009 1259			Final Weight/Volume:	100 mL
Date Prepared:	06/18/2009 0947				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.97		0.038	0.048

General Chemistry

Client Sample ID: **B-103:S1**

Lab Sample ID: 460-2849-1 Date Sampled: 06/15/2009 1045

Client Matrix: Solid Date Received: 06/16/2009 1715

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	14.4		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-9365	Date Analyzed: 06/17/2009 0002					
Percent Solids	85.6		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-9365	Date Analyzed: 06/17/2009 0002					

General Chemistry

Client Sample ID: **B-103:S6**

Lab Sample ID: 460-2849-2 Date Sampled: 06/15/2009 1135

Client Matrix: Solid Date Received: 06/16/2009 1715

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	34.1		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-9365	Date Analyzed: 06/17/2009 0002					
Percent Solids	65.9		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-9365	Date Analyzed: 06/17/2009 0002					

General Chemistry

Client Sample ID: **B-104:S1-S2**

Lab Sample ID: 460-2849-3 Date Sampled: 06/15/2009 0815

Client Matrix: Solid Date Received: 06/16/2009 1715

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	9.8		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-9365	Date Analyzed: 06/17/2009 0002					
Percent Solids	90.2		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-9365	Date Analyzed: 06/17/2009 0002					

General Chemistry

Client Sample ID: **B-104:S5**

Lab Sample ID: 460-2849-4 Date Sampled: 06/15/2009 0935

Client Matrix: Solid Date Received: 06/16/2009 1715

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	32.3		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-9365	Date Analyzed: 06/17/2009 0002					
Percent Solids	67.7		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-9365	Date Analyzed: 06/17/2009 0002					

4 c 2R98

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

777 New Durham Road
Edison, New Jersey 08817
Phone: (732) 549-3900 Fax: (732) 549-3679

CHAIN OF CUSTODY / ANALYSIS REQUEST

Page 1 of ___

Name (for report and invoice) AMY MURPHY	Samplers Name (Printed) BOBBY ISSAC	Site/Project Identification 14th ST. VIADUCT, HOBOKEN, NJ
Company HALEY & ALDRICH, INC	P. O. # 36059-001	State (Location of site): NJ: [X] NY: [ ] Other:
		Regulatory Program:
Address 299 Cherry Hill Road, Suite 105	Analysis Turnaround Time: Standard [X]	LAB USE ONLY Project No:
City Parsippany State NJ	Rush Chrages Authorized For: 2 Week [ ] 1 Week [ ] Other [ ]	Job No: 2889
Phone 973-658-3938 Fax 973-658-3988		

ANALYSIS REQUESTED (ENTER "X" BELOW TO INDICATE REQUEST)

Sample Identification	Date	Time	Matrix	No. of Cont.	8270C TCL-BN+15	8082 - PCBs	8081A TCL Pesticides	6010B TAL Metals	NJ-ORA-QAM-025	8260B TAL VOC+10						Sample Numbers
B-117 : S1	6/16/09	1:25P	S	5	X	X	X	X	X	X						1
B-117 : S3	6/16/09	1:40P	S	5	X	X	X	X	X	X						2
B-118 : S1	6/16/09	2:00P	S	5	X	X	X	X	X	X						3
B-118 : S3	6/16/09	2:08P	S	5	X	X	X	X	X	X						4
FB#2 (Field blank)	6/17/09	8:15A	W	2						X						5
Preservation Used: 1 = ICE, 2 = HCl, 3 = H_2SO_4, 4 = HNO_3, 5 = NaOH — Soil:					1	1	1	1	1	1						
6 = Other _____, 7 = Other _____ — Water:										2						

Special Instructions _____ Water Metals Filtered (Yes/No)? _____

Relinquished by	Company	Date / Time	Received by	Company
Bobby Issac	Haley & Aldrich.	6/17/09 3:15	1) [signature]	Test America
2) [signature]	Test America	6/17/09 1645	2) [signature]	Test America
3)			3)	
4)			4)	

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132). TAL - 0016 (0408)

Massachusetts (M-NJ312), North Carolina (No. 578)

Client: Haley & Aldrich, Inc. Job Number: 460-2889-1

Client Sample ID: **B-117:S1**

Lab Sample ID: 460-2889-1 Date Sampled: 06/16/2009 1325
Client Matrix: Solid % Moisture: 10.2 Date Received: 06/17/2009 1645

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 460-9982		Instrument ID:	VOAMS2
Preparation:	5035	Prep Batch: 460-9519		Lab File ID:	b24973.d
Dilution:	1.0			Initial Weight/Volume:	4.76 g
Date Analyzed:	06/24/2009 0723			Final Weight/Volume:	5 mL
Date Prepared:	06/18/2009 0915				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Chloromethane		1.2	U	0.74	1.2
Bromomethane		1.2	U	0.48	1.2
Vinyl chloride		1.2	U	0.27	1.2
Chloroethane		1.2	U *	0.47	1.2
Methylene Chloride		1.2	U	0.55	1.2
Acetone		40		4.3	12
Carbon disulfide		1.2	U	0.54	1.2
1,1-Dichloroethene		1.2	U	0.43	1.2
1,1-Dichloroethane		1.2	U	0.29	1.2
trans-1,2-Dichloroethene		1.2	U	0.33	1.2
cis-1,2-Dichloroethene		1.2	U	0.28	1.2
Chloroform		1.2	U	0.28	1.2
1,2-Dichloroethane		1.2	U	0.46	1.2
2-Butanone		12	U	0.67	12
1,1,1-Trichloroethane		1.2	U	0.22	1.2
Carbon tetrachloride		1.2	U	0.12	1.2
Bromodichloromethane		1.2	U	0.36	1.2
1,2-Dichloropropane		1.2	U	0.37	1.2
cis-1,3-Dichloropropene		1.2	U	0.24	1.2
Trichloroethene		1.2	U	0.42	1.2
Dibromochloromethane		1.2	U	0.65	1.2
1,1,2-Trichloroethane		1.2	U	0.69	1.2
Benzene		3.3		0.87	1.2
trans-1,3-Dichloropropene		1.2	U	0.26	1.2
Bromoform		1.2	U	0.82	1.2
4-Methyl-2-pentanone		12	U	0.84	12
2-Hexanone		12	U	2.0	12
Tetrachloroethene		0.76	J	0.39	1.2
1,1,2,2-Tetrachloroethane		1.2	U	0.89	1.2
Toluene		1.6		0.35	1.2
Chlorobenzene		1.2	U	0.56	1.2
Ethylbenzene		1.2	U	0.22	1.2
Styrene		1.2	U	0.40	1.2
Xylenes, Total		3.5	U	0.92	3.5

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	91		53 - 128
Bromofluorobenzene	104		73 - 143
Toluene-d8 (Surr)	93		59 - 139

Client: Haley & Aldrich, Inc. Job Number: 460-2889-1

Client Sample ID: **B-117:S1**

Lab Sample ID: 460-2889-1 Date Sampled: 06/16/2009 1325
Client Matrix: Solid % Moisture: 10.2 Date Received: 06/17/2009 1645

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 460-9982		Instrument ID:	VOAMS2
Preparation:	5035	Prep Batch: 460-9519		Lab File ID:	b24973.d
Dilution:	1.0			Initial Weight/Volume:	4.76 g
Date Analyzed:	06/24/2009 0723			Final Weight/Volume:	5 mL
Date Prepared:	06/18/2009 0915				

Tentatively Identified Compounds **Number TIC's Found:** 1

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Tentatively Identified Compound		None	
109-66-0	Pentane	1.66	8.5	

Client: Haley & Aldrich, Inc. Job Number: 460-2889-1

Client Sample ID: **B-117:S3**

Lab Sample ID: 460-2889-2 Date Sampled: 06/16/2009 1340
Client Matrix: Solid % Moisture: 19.8 Date Received: 06/17/2009 1645

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 460-9982		Instrument ID:	VOAMS2
Preparation:	5035	Prep Batch: 460-9519		Lab File ID:	b24974.d
Dilution:	1.0			Initial Weight/Volume:	6.11 g
Date Analyzed:	06/24/2009 0746			Final Weight/Volume:	5 mL
Date Prepared:	06/18/2009 0915				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Chloromethane		1.0	U	0.65	1.0
Bromomethane		1.0	U	0.42	1.0
Vinyl chloride		1.0	U	0.24	1.0
Chloroethane		1.0	U *	0.41	1.0
Methylene Chloride		1.0	U	0.48	1.0
Acetone		10	U	3.8	10
Carbon disulfide		1.0	U	0.47	1.0
1,1-Dichloroethene		1.0	U	0.38	1.0
1,1-Dichloroethane		1.0	U	0.26	1.0
trans-1,2-Dichloroethene		1.0	U	0.29	1.0
cis-1,2-Dichloroethene		1.0	U	0.24	1.0
Chloroform		1.0	U	0.24	1.0
1,2-Dichloroethane		1.0	U	0.40	1.0
2-Butanone		10	U	0.58	10
1,1,1-Trichloroethane		1.0	U	0.19	1.0
Carbon tetrachloride		1.0	U	0.10	1.0
Bromodichloromethane		1.0	U	0.31	1.0
1,2-Dichloropropane		1.0	U	0.32	1.0
cis-1,3-Dichloropropene		1.0	U	0.20	1.0
Trichloroethene		3.1		0.37	1.0
Dibromochloromethane		1.0	U	0.57	1.0
1,1,2-Trichloroethane		1.0	U	0.60	1.0
Benzene		1.0	U	0.75	1.0
trans-1,3-Dichloropropene		1.0	U	0.23	1.0
Bromoform		1.0	U	0.71	1.0
4-Methyl-2-pentanone		10	U	0.73	10
2-Hexanone		10	U	1.7	10
Tetrachloroethene		1.0	J	0.34	1.0
1,1,2,2-Tetrachloroethane		1.0	U	0.78	1.0
Toluene		1.0	U	0.30	1.0
Chlorobenzene		1.0	U	0.49	1.0
Ethylbenzene		1.0	U	0.19	1.0
Styrene		1.0	U	0.35	1.0
Xylenes, Total		3.1	U	0.80	3.1

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	95		53 - 128
Bromofluorobenzene	106		73 - 143
Toluene-d8 (Surr)	94		59 - 139

Client: Haley & Aldrich, Inc. Job Number: 460-2889-1

Client Sample ID: **B-117:S3**

Lab Sample ID: 460-2889-2 Date Sampled: 06/16/2009 1340
Client Matrix: Solid % Moisture: 19.8 Date Received: 06/17/2009 1645

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 460-9982		Instrument ID:	VOAMS2
Preparation:	5035	Prep Batch: 460-9519		Lab File ID:	b24974.d
Dilution:	1.0			Initial Weight/Volume:	6.11 g
Date Analyzed:	06/24/2009 0746			Final Weight/Volume:	5 mL
Date Prepared:	06/18/2009 0915				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Tentatively Identified Compound		None	

Client: Haley & Aldrich, Inc. Job Number: 460-2889-1

Client Sample ID: **B-118:S1**

Lab Sample ID: 460-2889-3 Date Sampled: 06/16/2009 1400
Client Matrix: Solid % Moisture: 15.2 Date Received: 06/17/2009 1645

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 460-10291		Instrument ID:	VOAMS2
Preparation:	5035	Prep Batch: 460-9519		Lab File ID:	b25042.d
Dilution:	1.0			Initial Weight/Volume:	5.53 g
Date Analyzed:	06/26/2009 2156			Final Weight/Volume:	5 mL
Date Prepared:	06/18/2009 0915				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Chloromethane		1.1	U	0.68	1.1
Bromomethane		1.1	U	0.44	1.1
Vinyl chloride		1.1	U	0.25	1.1
Chloroethane		1.1	U	0.43	1.1
Methylene Chloride		1.1	U	0.50	1.1
Acetone		11	U	3.9	11
Carbon disulfide		1.1	U	0.50	1.1
1,1-Dichloroethene		1.1	U	0.39	1.1
1,1-Dichloroethane		1.1	U	0.27	1.1
trans-1,2-Dichloroethene		1.1	U	0.30	1.1
cis-1,2-Dichloroethene		1.1	U	0.25	1.1
Chloroform		1.1	U	0.25	1.1
1,2-Dichloroethane		1.1	U	0.42	1.1
2-Butanone		11	U	0.61	11
1,1,1-Trichloroethane		1.1	U	0.20	1.1
Carbon tetrachloride		1.1	U	0.11	1.1
Bromodichloromethane		1.1	U	0.32	1.1
1,2-Dichloropropane		1.1	U	0.34	1.1
cis-1,3-Dichloropropene		1.1	U	0.21	1.1
Trichloroethene		1.1	U	0.39	1.1
Dibromochloromethane		1.1	U	0.60	1.1
1,1,2-Trichloroethane		1.1	U	0.63	1.1
Benzene		1.1	U	0.79	1.1
trans-1,3-Dichloropropene		1.1	U	0.24	1.1
Bromoform		1.1	U	0.75	1.1
4-Methyl-2-pentanone		11	U	0.76	11
2-Hexanone		11	U	1.8	11
Tetrachloroethene		1.1	U	0.35	1.1
1,1,2,2-Tetrachloroethane		1.1	U	0.81	1.1
Toluene		1.1	U	0.32	1.1
Chlorobenzene		1.1	U	0.51	1.1
Ethylbenzene		1.1	U	0.20	1.1
Styrene		1.1	U	0.37	1.1
Xylenes, Total		3.2	U	0.84	3.2

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	102		53 - 128
Bromofluorobenzene	97		73 - 143
Toluene-d8 (Surr)	98		59 - 139

Client: Haley & Aldrich, Inc. Job Number: 460-2889-1

Client Sample ID: **B-118:S1**

Lab Sample ID: 460-2889-3 Date Sampled: 06/16/2009 1400
Client Matrix: Solid % Moisture: 15.2 Date Received: 06/17/2009 1645

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 460-10291		Instrument ID:	VOAMS2
Preparation:	5035	Prep Batch: 460-9519		Lab File ID:	b25042.d
Dilution:	1.0			Initial Weight/Volume:	5.53 g
Date Analyzed:	06/26/2009 2156			Final Weight/Volume:	5 mL
Date Prepared:	06/18/2009 0915				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Tentatively Identified Compound		None	

Client: Haley & Aldrich, Inc. Job Number: 460-2889-1

Client Sample ID: **B-118:S3**

Lab Sample ID: 460-2889-4 Date Sampled: 06/16/2009 1408
Client Matrix: Solid % Moisture: 27.5 Date Received: 06/17/2009 1645

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 460-9982		Instrument ID:	VOAMS2
Preparation:	5035	Prep Batch: 460-9519		Lab File ID:	b24975.d
Dilution:	1.0			Initial Weight/Volume:	4.93 g
Date Analyzed:	06/24/2009 0810			Final Weight/Volume:	5 mL
Date Prepared:	06/18/2009 0915				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Chloromethane		1.4	U	0.89	1.4
Bromomethane		1.4	U	0.57	1.4
Vinyl chloride		1.4	U	0.33	1.4
Chloroethane		1.4	U *	0.56	1.4
Methylene Chloride		1.4	U	0.66	1.4
Acetone		51		5.2	14
Carbon disulfide		5.1		0.65	1.4
1,1-Dichloroethene		1.4	U	0.52	1.4
1,1-Dichloroethane		1.4	U	0.35	1.4
trans-1,2-Dichloroethene		1.4	U	0.40	1.4
cis-1,2-Dichloroethene		1.4	U	0.33	1.4
Chloroform		1.4	U	0.33	1.4
1,2-Dichloroethane		1.4	U	0.55	1.4
2-Butanone		14	U	0.80	14
1,1,1-Trichloroethane		1.4	U	0.26	1.4
Carbon tetrachloride		1.4	U	0.14	1.4
Bromodichloromethane		1.4	U	0.43	1.4
1,2-Dichloropropane		1.4	U	0.44	1.4
cis-1,3-Dichloropropene		1.4	U	0.28	1.4
Trichloroethene		1.4	U	0.51	1.4
Dibromochloromethane		1.4	U	0.78	1.4
1,1,2-Trichloroethane		1.4	U	0.83	1.4
Benzene		1.4	U	1.0	1.4
trans-1,3-Dichloropropene		1.4	U	0.31	1.4
Bromoform		1.4	U	0.98	1.4
4-Methyl-2-pentanone		14	U	1.0	14
2-Hexanone		14	U	2.3	14
Tetrachloroethene		1.4	U	0.46	1.4
1,1,2,2-Tetrachloroethane		1.4	U	1.1	1.4
Toluene		1.4	U	0.42	1.4
Chlorobenzene		1.4	U	0.67	1.4
Ethylbenzene		1.4	U	0.27	1.4
Styrene		1.4	U	0.48	1.4
Xylenes, Total		4.2	U	1.1	4.2

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	90		53 - 128
Bromofluorobenzene	105		73 - 143
Toluene-d8 (Surr)	92		59 - 139

Client: Haley & Aldrich, Inc. Job Number: 460-2889-1

Client Sample ID: **B-118:S3**

Lab Sample ID: 460-2889-4 Date Sampled: 06/16/2009 1408
Client Matrix: Solid % Moisture: 27.5 Date Received: 06/17/2009 1645

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 460-9982		Instrument ID:	VOAMS2
Preparation:	5035	Prep Batch: 460-9519		Lab File ID:	b24975.d
Dilution:	1.0			Initial Weight/Volume:	4.93 g
Date Analyzed:	06/24/2009 0810			Final Weight/Volume:	5 mL
Date Prepared:	06/18/2009 0915				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Tentatively Identified Compound		None	

Client: Haley & Aldrich, Inc. Job Number: 460-2889-1

Client Sample ID: **FB#2 (Field Blank)**

Lab Sample ID: 460-2889-5FB Date Sampled: 06/17/2009 0815
Client Matrix: Water Date Received: 06/17/2009 1645

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 460-9584	Instrument ID:	VOAMS4
Preparation:	5030B		Lab File ID:	d10327.d
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	06/18/2009 2228		Final Weight/Volume:	5 mL
Date Prepared:	06/18/2009 2228			

Analyte	Result (ug/L)	Qualifier	MDL	RL
Chloromethane	1.0	U	0.21	1.0
Bromomethane	1.0	U	0.31	1.0
Vinyl chloride	1.0	U	0.13	1.0
Chloroethane	1.0	U	0.45	1.0
Methylene Chloride	1.0	U	0.19	1.0
Acetone	10	U	2.5	10
Carbon disulfide	1.0	U	0.15	1.0
1,1-Dichloroethene	1.0	U	0.14	1.0
1,1-Dichloroethane	1.0	U	0.10	1.0
trans-1,2-Dichloroethene	1.0	U	0.14	1.0
cis-1,2-Dichloroethene	1.0	U	0.20	1.0
Chloroform	1.0	U	0.15	1.0
1,2-Dichloroethane	1.0	U	0.24	1.0
2-Butanone	10	U	0.82	10
1,1,1-Trichloroethane	1.0	U	0.25	1.0
Carbon tetrachloride	1.0	U	0.19	1.0
Bromodichloromethane	1.0	U	0.093	1.0
1,2-Dichloropropane	1.0	U	0.090	1.0
cis-1,3-Dichloropropene	1.0	U	0.11	1.0
Trichloroethene	1.0	U	0.18	1.0
Dibromochloromethane	1.0	U	0.11	1.0
1,1,2-Trichloroethane	1.0	U	0.10	1.0
Benzene	1.0	U	0.13	1.0
trans-1,3-Dichloropropene	1.0	U	0.12	1.0
Bromoform	1.0	U	0.10	1.0
4-Methyl-2-pentanone	10	U	0.68	10
2-Hexanone	10	U	0.55	10
Tetrachloroethene	1.0	U	0.20	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.090	1.0
Toluene	1.0	U	0.090	1.0
Chlorobenzene	1.0	U	0.16	1.0
Ethylbenzene	1.0	U	0.25	1.0
Styrene	1.0	U	0.13	1.0
Xylenes, Total	3.0	U	0.43	3.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	92		56 - 125
Bromofluorobenzene	93		72 - 145
Toluene-d8 (Surr)	84		72 - 127

Client: Haley & Aldrich, Inc. Job Number: 460-2889-1

Client Sample ID: **FB#2 (Field Blank)**

Lab Sample ID: 460-2889-5FB Date Sampled: 06/17/2009 0815
Client Matrix: Water Date Received: 06/17/2009 1645

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 460-9584	Instrument ID:	VOAMS4
Preparation:	5030B		Lab File ID:	d10327.d
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	06/18/2009 2228		Final Weight/Volume:	5 mL
Date Prepared:	06/18/2009 2228			

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Tentatively Identified Compound		None	

Client: Haley & Aldrich, Inc. Job Number: 460-2889-1

Client Sample ID: **B-117:S1**

Lab Sample ID: 460-2889-1 Date Sampled: 06/16/2009 1325
Client Matrix: Solid % Moisture: 10.2 Date Received: 06/17/2009 1645

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-9775		Instrument ID:	BNAMS6
Preparation:	3541	Prep Batch: 460-9496		Lab File ID:	m43593.d
Dilution:	1.0			Initial Weight/Volume:	15.02 g
Date Analyzed:	06/21/2009 0740			Final Weight/Volume:	1 mL
Date Prepared:	06/18/2009 0700			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Bis(2-chloroethyl)ether		37	U	7.7	37
1,3-Dichlorobenzene		370	U	50	370
1,4-Dichlorobenzene		370	U	55	370
1,2-Dichlorobenzene		370	U	59	370
N-Nitrosodi-n-propylamine		37	U	4.9	37
Hexachloroethane		37	U	6.2	37
Nitrobenzene		37	U	8.2	37
Isophorone		370	U	42	370
Bis(2-chloroethoxy)methane		370	U	52	370
1,2,4-Trichlorobenzene		37	U	6.0	37
Naphthalene		370	U	54	370
4-Chloroaniline		370	U	46	370
Hexachlorobutadiene		74	U	15	74
2-Methylnaphthalene		370	U	54	370
Hexachlorocyclopentadiene		370	U	110	370
2-Chloronaphthalene		370	U	52	370
2-Nitroaniline		740	U	100	740
Dimethyl phthalate		370	U	50	370
Acenaphthylene		370	U	53	370
2,6-Dinitrotoluene		74	U	9.3	74
3-Nitroaniline		740	U	83	740
Acenaphthene		370	U	52	370
Dibenzofuran		370	U	55	370
2,4-Dinitrotoluene		74	U	11	74
Diethyl phthalate		370	U	49	370
4-Chlorophenyl phenyl ether		370	U	63	370
Fluorene		370	U	62	370
4-Nitroaniline		740	U	76	740
N-Nitrosodiphenylamine		370	U	60	370
4-Bromophenyl phenyl ether		370	U	65	370
Hexachlorobenzene		37	U	5.1	37
Phenanthrene		110	J	64	370
Anthracene		370	U	65	370
Carbazole		370	U	58	370
Di-n-butyl phthalate		370	U	56	370
Fluoranthene		150	J	61	370
Pyrene		130	J	64	370
Butyl benzyl phthalate		370	U	43	370
3,3'-Dichlorobenzidine		740	U	81	740
Benzo[a]anthracene		110		6.8	37
Chrysene		130	J	53	370
Bis(2-ethylhexyl) phthalate		370	U	49	370
Di-n-octyl phthalate		370	U	44	370
Benzo[b]fluoranthene		110		5.5	37
Benzo[k]fluoranthene		130		5.1	37
Benzo[a]pyrene		130		4.5	37

Client: Haley & Aldrich, Inc. Job Number: 460-2889-1

Client Sample ID: **B-117:S1**

Lab Sample ID: 460-2889-1 Date Sampled: 06/16/2009 1325
Client Matrix: Solid % Moisture: 10.2 Date Received: 06/17/2009 1645

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-9775		Instrument ID:	BNAMS6
Preparation:	3541	Prep Batch: 460-9496		Lab File ID:	m43593.d
Dilution:	1.0			Initial Weight/Volume:	15.02 g
Date Analyzed:	06/21/2009 0740			Final Weight/Volume:	1 mL
Date Prepared:	06/18/2009 0700			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Indeno[1,2,3-cd]pyrene		110		5.9	37
Dibenz(a,h)anthracene		37	U	4.4	37
Benzo[g,h,i]perylene		140	J	39	370
bis (2-chloroisopropyl) ether		370	U	48	370

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	75		36 - 93
Nitrobenzene-d5	64		31 - 97
Terphenyl-d14	66		40 - 129

Client: Haley & Aldrich, Inc. Job Number: 460-2889-1

Client Sample ID: **B-117:S1**

Lab Sample ID: 460-2889-1 Date Sampled: 06/16/2009 1325
Client Matrix: Solid % Moisture: 10.2 Date Received: 06/17/2009 1645

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-9775		Instrument ID:	BNAMS6
Preparation:	3541	Prep Batch: 460-9496		Lab File ID:	m43593.d
Dilution:	1.0			Initial Weight/Volume:	15.02 g
Date Analyzed:	06/21/2009 0740			Final Weight/Volume:	1 mL
Date Prepared:	06/18/2009 0700			Injection Volume:	1.0 uL

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Tentatively Identified Compound		None	

Client: Haley & Aldrich, Inc. Job Number: 460-2889-1

Client Sample ID: **B-117:S3**

Lab Sample ID: 460-2889-2 Date Sampled: 06/16/2009 1340
Client Matrix: Solid % Moisture: 19.8 Date Received: 06/17/2009 1645

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-9775		Instrument ID:	BNAMS6
Preparation:	3541	Prep Batch: 460-9496		Lab File ID:	m43603.d
Dilution:	1.0			Initial Weight/Volume:	15.04 g
Date Analyzed:	06/21/2009 1201			Final Weight/Volume:	1 mL
Date Prepared:	06/18/2009 0700			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Bis(2-chloroethyl)ether		41	U	8.6	41
1,3-Dichlorobenzene		410	U	56	410
1,4-Dichlorobenzene		410	U	61	410
1,2-Dichlorobenzene		410	U	66	410
N-Nitrosodi-n-propylamine		41	U	5.4	41
Hexachloroethane		41	U	6.9	41
Nitrobenzene		41	U	9.2	41
Isophorone		410	U	47	410
Bis(2-chloroethoxy)methane		410	U	59	410
1,2,4-Trichlorobenzene		41	U	6.7	41
Naphthalene		410	U	60	410
4-Chloroaniline		410	U	52	410
Hexachlorobutadiene		83	U	17	83
2-Methylnaphthalene		410	U	60	410
Hexachlorocyclopentadiene		410	U	120	410
2-Chloronaphthalene		410	U	58	410
2-Nitroaniline		830	U	110	830
Dimethyl phthalate		410	U	56	410
Acenaphthylene		170	J	59	410
2,6-Dinitrotoluene		83	U	10	83
3-Nitroaniline		830	U	93	830
Acenaphthene		74	J	59	410
Dibenzofuran		410	U	62	410
2,4-Dinitrotoluene		83	U	12	83
Diethyl phthalate		410	U	55	410
4-Chlorophenyl phenyl ether		410	U	71	410
Fluorene		74	J	70	410
4-Nitroaniline		830	U	85	830
N-Nitrosodiphenylamine		410	U	67	410
4-Bromophenyl phenyl ether		410	U	73	410
Hexachlorobenzene		41	U	5.7	41
Phenanthrene		930		72	410
Anthracene		290	J	73	410
Carbazole		110	J	65	410
Di-n-butyl phthalate		410	U	63	410
Fluoranthene		1500		68	410
Pyrene		1500		71	410
Butyl benzyl phthalate		410	U	48	410
3,3'-Dichlorobenzidine		830	U	91	830
Benzo[a]anthracene		1100		7.6	41
Chrysene		1100		60	410
Bis(2-ethylhexyl) phthalate		410	U	55	410
Di-n-octyl phthalate		410	U	49	410
Benzo[b]fluoranthene		840		6.1	41
Benzo[k]fluoranthene		1100		5.8	41
Benzo[a]pyrene		1200		5.1	41

Client: Haley & Aldrich, Inc. Job Number: 460-2889-1

Client Sample ID: **B-117:S3**

Lab Sample ID: 460-2889-2 Date Sampled: 06/16/2009 1340
Client Matrix: Solid % Moisture: 19.8 Date Received: 06/17/2009 1645

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-9775		Instrument ID:	BNAMS6
Preparation:	3541	Prep Batch: 460-9496		Lab File ID:	m43603.d
Dilution:	1.0			Initial Weight/Volume:	15.04 g
Date Analyzed:	06/21/2009 1201			Final Weight/Volume:	1 mL
Date Prepared:	06/18/2009 0700			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Indeno[1,2,3-cd]pyrene		410		6.6	41
Dibenz(a,h)anthracene		160		4.9	41
Benzo[g,h,i]perylene		380	J	43	410
bis (2-chloroisopropyl) ether		410	U	54	410

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	57		36 - 93
Nitrobenzene-d5	39		31 - 97
Terphenyl-d14	70		40 - 129

Client: Haley & Aldrich, Inc. Job Number: 460-2889-1

Client Sample ID: **B-117:S3**

Lab Sample ID: 460-2889-2 Date Sampled: 06/16/2009 1340
Client Matrix: Solid % Moisture: 19.8 Date Received: 06/17/2009 1645

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-9775		Instrument ID:	BNAMS6
Preparation:	3541	Prep Batch: 460-9496		Lab File ID:	m43603.d
Dilution:	1.0			Initial Weight/Volume:	15.04 g
Date Analyzed:	06/21/2009 1201			Final Weight/Volume:	1 mL
Date Prepared:	06/18/2009 0700			Injection Volume:	1.0 uL

Tentatively Identified Compounds **Number TIC's Found:** **5**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	C15H10/C15H12 PAHs	11.21	430	T J
	C17H12 PAH	12.36	370	T J
	C20H12 PAH	14.86	360	T J
	C20H12 PAH	15.11	930	T J
	C20H12 PAH	15.29	560	T J

Client: Haley & Aldrich, Inc. Job Number: 460-2889-1

Client Sample ID: **B-118:S1**

Lab Sample ID: 460-2889-3 Date Sampled: 06/16/2009 1400
Client Matrix: Solid % Moisture: 15.2 Date Received: 06/17/2009 1645

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-9776		Instrument ID:	BNAMS6
Preparation:	3541	Prep Batch: 460-9496		Lab File ID:	m43620.d
Dilution:	2.0			Initial Weight/Volume:	15.00 g
Date Analyzed:	06/21/2009 2222			Final Weight/Volume:	1 mL
Date Prepared:	06/18/2009 0700			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Bis(2-chloroethyl)ether		78	U	16	78
1,3-Dichlorobenzene		780	U	110	780
1,4-Dichlorobenzene		780	U	120	780
1,2-Dichlorobenzene		780	U	120	780
N-Nitrosodi-n-propylamine		78	U	10	78
Hexachloroethane		78	U	13	78
Nitrobenzene		78	U	17	78
Isophorone		780	U	90	780
Bis(2-chloroethoxy)methane		780	U	110	780
1,2,4-Trichlorobenzene		78	U	13	78
Naphthalene		780	U	110	780
4-Chloroaniline		780	U	98	780
Hexachlorobutadiene		160	U	32	160
2-Methylnaphthalene		780	U	110	780
Hexachlorocyclopentadiene		780	U	230	780
2-Chloronaphthalene		780	U	110	780
2-Nitroaniline		1600	U	210	1600
Dimethyl phthalate		780	U	110	780
Acenaphthylene		780	U	110	780
2,6-Dinitrotoluene		160	U	20	160
3-Nitroaniline		1600	U	180	1600
Acenaphthene		780	U	110	780
Dibenzofuran		780	U	120	780
2,4-Dinitrotoluene		160	U	23	160
Diethyl phthalate		780	U	100	780
4-Chlorophenyl phenyl ether		780	U	130	780
Fluorene		780	U	130	780
4-Nitroaniline		1600	U	160	1600
N-Nitrosodiphenylamine		780	U	130	780
4-Bromophenyl phenyl ether		780	U	140	780
Hexachlorobenzene		78	U	11	78
Phenanthrene		240	J	140	780
Anthracene		780	U	140	780
Carbazole		780	U	120	780
Di-n-butyl phthalate		780	U	120	780
Fluoranthene		480	J	130	780
Pyrene		810		130	780
Butyl benzyl phthalate		550	J	91	780
3,3'-Dichlorobenzidine		1600	U	170	1600
Benzo[a]anthracene		330		14	78
Chrysene		370	J	110	780
Bis(2-ethylhexyl) phthalate		430	J	100	780
Di-n-octyl phthalate		780	U	93	780
Benzo[b]fluoranthene		490		12	78
Benzo[k]fluoranthene		470		11	78
Benzo[a]pyrene		380		9.6	78

Client: Haley & Aldrich, Inc. Job Number: 460-2889-1

Client Sample ID: **B-118:S1**

Lab Sample ID: 460-2889-3 Date Sampled: 06/16/2009 1400
Client Matrix: Solid % Moisture: 15.2 Date Received: 06/17/2009 1645

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-9776		Instrument ID:	BNAMS6
Preparation:	3541	Prep Batch: 460-9496		Lab File ID:	m43620.d
Dilution:	2.0			Initial Weight/Volume:	15.00 g
Date Analyzed:	06/21/2009 2222			Final Weight/Volume:	1 mL
Date Prepared:	06/18/2009 0700			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Indeno[1,2,3-cd]pyrene		110		12	78
Dibenz(a,h)anthracene		78	U	9.4	78
Benzo[g,h,i]perylene		780	U	82	780
bis (2-chloroisopropyl) ether		780	U	100	780

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	73		36 - 93
Nitrobenzene-d5	61		31 - 97
Terphenyl-d14	102		40 - 129

Client: Haley & Aldrich, Inc. Job Number: 460-2889-1

Client Sample ID: **B-118:S1**

Lab Sample ID: 460-2889-3 Date Sampled: 06/16/2009 1400
Client Matrix: Solid % Moisture: 15.2 Date Received: 06/17/2009 1645

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-9776		Instrument ID:	BNAMS6
Preparation:	3541	Prep Batch: 460-9496		Lab File ID:	m43620.d
Dilution:	2.0			Initial Weight/Volume:	15.00 g
Date Analyzed:	06/21/2009 2222			Final Weight/Volume:	1 mL
Date Prepared:	06/18/2009 0700			Injection Volume:	1.0 uL

Tentatively Identified Compounds **Number TIC's Found:** **2**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown Phthalate	14.35	960	T J
	Unknown	15.51	2300	T J

Client: Haley & Aldrich, Inc. Job Number: 460-2889-1

Client Sample ID: **B-118:S3**

Lab Sample ID: 460-2889-4 Date Sampled: 06/16/2009 1408
Client Matrix: Solid % Moisture: 27.5 Date Received: 06/17/2009 1645

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-9775		Instrument ID:	BNAMS6
Preparation:	3541	Prep Batch: 460-9496		Lab File ID:	m43601.d
Dilution:	2.0			Initial Weight/Volume:	15.01 g
Date Analyzed:	06/21/2009 1109			Final Weight/Volume:	1 mL
Date Prepared:	06/18/2009 0700			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Bis(2-chloroethyl)ether		91	U	19	91
1,3-Dichlorobenzene		910	U	120	910
1,4-Dichlorobenzene		910	U	140	910
1,2-Dichlorobenzene		910	U	150	910
N-Nitrosodi-n-propylamine		91	U	12	91
Hexachloroethane		91	U	15	91
Nitrobenzene		91	U	20	91
Isophorone		910	U	100	910
Bis(2-chloroethoxy)methane		910	U	130	910
1,2,4-Trichlorobenzene		91	U	15	91
Naphthalene		220	J	130	910
4-Chloroaniline		910	U	110	910
Hexachlorobutadiene		180	U	37	180
2-Methylnaphthalene		150	J	130	910
Hexachlorocyclopentadiene		910	U	270	910
2-Chloronaphthalene		910	U	130	910
2-Nitroaniline		1800	U	250	1800
Dimethyl phthalate		910	U	120	910
Acenaphthylene		910	U	130	910
2,6-Dinitrotoluene		180	U	23	180
3-Nitroaniline		1800	U	210	1800
Acenaphthene		1200		130	910
Dibenzofuran		380	J	140	910
2,4-Dinitrotoluene		180	U	27	180
Diethyl phthalate		910	U	120	910
4-Chlorophenyl phenyl ether		910	U	160	910
Fluorene		860	J	150	910
4-Nitroaniline		1800	U	190	1800
N-Nitrosodiphenylamine		910	U	150	910
4-Bromophenyl phenyl ether		910	U	160	910
Hexachlorobenzene		91	U	13	91
Phenanthrene		6800		160	910
Anthracene		2000		160	910
Carbazole		350	J	140	910
Di-n-butyl phthalate		910	U	140	910
Fluoranthene		7900		150	910
Pyrene		8100		160	910
Butyl benzyl phthalate		910	U	110	910
3,3'-Dichlorobenzidine		1800	U	200	1800
Benzo[a]anthracene		2900		17	91
Chrysene		2900		130	910
Bis(2-ethylhexyl) phthalate		910	U	120	910
Di-n-octyl phthalate		910	U	110	910
Benzo[b]fluoranthene		2000		14	91
Benzo[k]fluoranthene		2100		13	91
Benzo[a]pyrene		2600		11	91

Client: Haley & Aldrich, Inc. Job Number: 460-2889-1

Client Sample ID: **B-118:S3**

Lab Sample ID: 460-2889-4 Date Sampled: 06/16/2009 1408
Client Matrix: Solid % Moisture: 27.5 Date Received: 06/17/2009 1645

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-9775		Instrument ID:	BNAMS6
Preparation:	3541	Prep Batch: 460-9496		Lab File ID:	m43601.d
Dilution:	2.0			Initial Weight/Volume:	15.01 g
Date Analyzed:	06/21/2009 1109			Final Weight/Volume:	1 mL
Date Prepared:	06/18/2009 0700			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Indeno[1,2,3-cd]pyrene		970		15	91
Dibenz(a,h)anthracene		91	U	11	91
Benzo[g,h,i]perylene		1200		96	910
bis (2-chloroisopropyl) ether		910	U	120	910

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	56		36 - 93
Nitrobenzene-d5	53		31 - 97
Terphenyl-d14	64		40 - 129

Client: Haley & Aldrich, Inc. Job Number: 460-2889-1

Client Sample ID: **B-118:S3**

Lab Sample ID: 460-2889-4 Date Sampled: 06/16/2009 1408
Client Matrix: Solid % Moisture: 27.5 Date Received: 06/17/2009 1645

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-9775		Instrument ID:	BNAMS6
Preparation:	3541	Prep Batch: 460-9496		Lab File ID:	m43601.d
Dilution:	2.0			Initial Weight/Volume:	15.01 g
Date Analyzed:	06/21/2009 1109			Final Weight/Volume:	1 mL
Date Prepared:	06/18/2009 0700			Injection Volume:	1.0 uL

Tentatively Identified Compounds **Number TIC's Found:** **6**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	C15H12 PAH	11.10	870	T J
	C15H10 PAH	11.21	2200	T J
	C16H12 PAH	11.35	840	T J
	C17H12 PAH	12.36	980	T J
	C17H12 PAH	12.42	750	T J
	C20H12 PAH	15.10	1700	T J

Client: Haley & Aldrich, Inc. Job Number: 460-2889-1

Client Sample ID: **B-117:S1**

Lab Sample ID: 460-2889-1 Date Sampled: 06/16/2009 1325
Client Matrix: Solid % Moisture: 10.2 Date Received: 06/17/2009 1645

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 460-9794		Instrument ID:	PESTGC1
Preparation:	3541	Prep Batch: 460-9509		Initial Weight/Volume:	15.02 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	06/19/2009 1842			Injection Volume:	1.0 uL
Date Prepared:	06/18/2009 0930			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aldrin		7.4	U	1.6	7.4
alpha-BHC		7.4	U	1.4	7.4
beta-BHC		7.4	U	1.0	7.4
delta-BHC		7.4	U	1.1	7.4
gamma-BHC (Lindane)		7.4	U	0.87	7.4
Chlordane		74	U	16	74
4,4'-DDD		2.4	J	0.89	7.4
4,4'-DDE		7.4	U	1.4	7.4
4,4'-DDT		7.6		0.93	7.4
Dieldrin		2.9	J	1.4	7.4
Endosulfan I		7.4	U	1.6	7.4
Endosulfan II		7.4	U	1.1	7.4
Endosulfan sulfate		2.1	J	0.96	7.4
Endrin		7.4	U	1.0	7.4
Endrin aldehyde		5.1	J	1.9	7.4
Endrin ketone		3.3	J	1.1	7.4
Heptachlor		7.4	U	1.1	7.4
Heptachlor epoxide		7.4	U	1.5	7.4
Methoxychlor		7.4	U	0.83	7.4
Toxaphene		74	U	16	74

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	94		26 - 126
DCB Decachlorobiphenyl	146		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-2889-1

Client Sample ID: **B-117:S3**

Lab Sample ID: 460-2889-2 Date Sampled: 06/16/2009 1340
Client Matrix: Solid % Moisture: 19.8 Date Received: 06/17/2009 1645

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 460-9794		Instrument ID:	PESTGC1
Preparation:	3541	Prep Batch: 460-9509		Initial Weight/Volume:	15.01 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	06/19/2009 1856			Injection Volume:	1.0 uL
Date Prepared:	06/18/2009 0930			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aldrin		8.3	U	1.8	8.3
alpha-BHC		8.3	U	1.5	8.3
beta-BHC		1.2	J	1.1	8.3
delta-BHC		8.3	U	1.3	8.3
gamma-BHC (Lindane)		1.0	J	0.97	8.3
Chlordane		83	U	18	83
4,4'-DDD		3.4	J	1.0	8.3
4,4'-DDE		8.3	U	1.6	8.3
4,4'-DDT		2.5	J	1.0	8.3
Dieldrin		8.3	U	1.6	8.3
Endosulfan I		8.3	U	1.8	8.3
Endosulfan II		1.3	J	1.3	8.3
Endosulfan sulfate		2.0	J	1.1	8.3
Endrin		8.3	U	1.2	8.3
Endrin aldehyde		6.6	J	2.1	8.3
Endrin ketone		11		1.2	8.3
Heptachlor		8.3	U	1.2	8.3
Heptachlor epoxide		8.3	U	1.7	8.3
Methoxychlor		8.3	U	0.93	8.3
Toxaphene		83	U	17	83

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	74		26 - 126
DCB Decachlorobiphenyl	127		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-2889-1

Client Sample ID: **B-117:S3**

Lab Sample ID: 460-2889-2 Date Sampled: 06/16/2009 1340
Client Matrix: Solid % Moisture: 19.8 Date Received: 06/17/2009 1645

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 460-9794	Instrument ID:	PESTGC1
Preparation:	3541	Prep Batch: 460-9509	Initial Weight/Volume:	15.01 g
Dilution:	1.0		Final Weight/Volume:	10 mL
Date Analyzed:	06/19/2009 1856		Injection Volume:	1.0 uL
Date Prepared:	06/18/2009 0930		Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	62		26 - 126
DCB Decachlorobiphenyl	197	X	48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-2889-1

Client Sample ID: **B-118:S1**

Lab Sample ID: 460-2889-3 Date Sampled: 06/16/2009 1400
Client Matrix: Solid % Moisture: 15.2 Date Received: 06/17/2009 1645

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 460-9794		Instrument ID:	PESTGC1
Preparation:	3541	Prep Batch: 460-9509		Initial Weight/Volume:	14.99 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	06/19/2009 1910			Injection Volume:	1.0 uL
Date Prepared:	06/18/2009 0930			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aldrin		7.9	U	1.7	7.9
alpha-BHC		4.1	J	1.5	7.9
beta-BHC		7.9	U	1.1	7.9
delta-BHC		7.9	U	1.2	7.9
gamma-BHC (Lindane)		7.9	U	0.92	7.9
Chlordane		79	U	17	79
4,4'-DDD		28		0.94	7.9
4,4'-DDE		26		1.5	7.9
4,4'-DDT		32		0.99	7.9
Dieldrin		7.5	J	1.5	7.9
Endosulfan I		7.9	U	1.7	7.9
Endosulfan II		7.9	U	1.2	7.9
Endosulfan sulfate		3.2	J	1.0	7.9
Endrin		7.9	U	1.1	7.9
Endrin aldehyde		2.2	J	2.0	7.9
Endrin ketone		3.2	J	1.2	7.9
Heptachlor		7.9	U	1.1	7.9
Heptachlor epoxide		2.4	J	1.6	7.9
Methoxychlor		7.9	U	0.88	7.9
Toxaphene		79	U	17	79

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	84		26 - 126
DCB Decachlorobiphenyl	73		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-2889-1

Client Sample ID: **B-118:S1**

Lab Sample ID: 460-2889-3 Date Sampled: 06/16/2009 1400
Client Matrix: Solid % Moisture: 15.2 Date Received: 06/17/2009 1645

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 460-9794	Instrument ID:	PESTGC1
Preparation:	3541	Prep Batch: 460-9509	Initial Weight/Volume:	14.99 g
Dilution:	1.0		Final Weight/Volume:	10 mL
Date Analyzed:	06/19/2009 1910		Injection Volume:	1.0 uL
Date Prepared:	06/18/2009 0930		Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	79		26 - 126
DCB Decachlorobiphenyl	111		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-2889-1

Client Sample ID: **B-118:S3**

Lab Sample ID: 460-2889-4 Date Sampled: 06/16/2009 1408
Client Matrix: Solid % Moisture: 27.5 Date Received: 06/17/2009 1645

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 460-9794		Instrument ID:	PESTGC1
Preparation:	3541	Prep Batch: 460-9509		Initial Weight/Volume:	15.02 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	06/19/2009 1924			Injection Volume:	1.0 uL
Date Prepared:	06/18/2009 0930			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aldrin		9.2	U	2.0	9.2
alpha-BHC		9.2	U	1.7	9.2
beta-BHC		2.5	J	1.3	9.2
delta-BHC		9.2	U	1.4	9.2
gamma-BHC (Lindane)		9.2	U	1.1	9.2
Chlordane		92	U	20	92
4,4'-DDD		9.2	U	1.1	9.2
4,4'-DDE		9.2	U	1.8	9.2
4,4'-DDT		1.3	J	1.2	9.2
Dieldrin		9.2	U	1.8	9.2
Endosulfan I		9.2	U	1.9	9.2
Endosulfan II		9.2	U	1.4	9.2
Endosulfan sulfate		2.7	J	1.2	9.2
Endrin		9.2	U	1.3	9.2
Endrin aldehyde		9.2	U	2.3	9.2
Endrin ketone		2.8	J	1.4	9.2
Heptachlor		9.2	U	1.3	9.2
Heptachlor epoxide		9.2	U	1.9	9.2
Methoxychlor		9.2	U	1.0	9.2
Toxaphene		92	U	19	92

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	68		26 - 126
DCB Decachlorobiphenyl	67		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-2889-1

Client Sample ID: **B-118:S3**

Lab Sample ID: 460-2889-4 Date Sampled: 06/16/2009 1408
Client Matrix: Solid % Moisture: 27.5 Date Received: 06/17/2009 1645

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 460-9794		Instrument ID:	PESTGC1
Preparation:	3541	Prep Batch: 460-9509		Initial Weight/Volume:	15.02 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	06/19/2009 1924			Injection Volume:	1.0 uL
Date Prepared:	06/18/2009 0930			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	57		26 - 126
DCB Decachlorobiphenyl	188	X	48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-2889-1

Client Sample ID: **B-117:S1**

Lab Sample ID: 460-2889-1 Date Sampled: 06/16/2009 1325
Client Matrix: Solid % Moisture: 10.2 Date Received: 06/17/2009 1645

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 460-9642		Instrument ID:	PESTGC8
Preparation:	3541	Prep Batch: 460-9512		Initial Weight/Volume:	15.01 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	06/19/2009 0730			Injection Volume:	1.0 uL
Date Prepared:	06/18/2009 0937			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		75	U	14	75
Aroclor 1221		75	U	22	75
Aroclor 1232		75	U	42	75
Aroclor 1242		75	U	14	75
Aroclor 1248		75	U	20	75
Aroclor 1254		75	U	25	75
Aroclor 1260		75	U	8.3	75
Aroclor 1262		75	U	13	75
Aroclor 1268		75	U	13	75

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	136		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-2889-1

Client Sample ID: **B-117:S1**

Lab Sample ID: 460-2889-1 Date Sampled: 06/16/2009 1325
Client Matrix: Solid % Moisture: 10.2 Date Received: 06/17/2009 1645

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 460-9642		Instrument ID:	PESTGC8
Preparation:	3541	Prep Batch: 460-9512		Initial Weight/Volume:	15.01 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	06/19/2009 0730			Injection Volume:	1.0 uL
Date Prepared:	06/18/2009 0937			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	121		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-2889-1

Client Sample ID: **B-117:S3**

Lab Sample ID: 460-2889-2 Date Sampled: 06/16/2009 1340
Client Matrix: Solid % Moisture: 19.8 Date Received: 06/17/2009 1645

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 460-9642		Instrument ID:	PESTGC8
Preparation:	3541	Prep Batch: 460-9512		Initial Weight/Volume:	15.03 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	06/19/2009 0744			Injection Volume:	1.0 uL
Date Prepared:	06/18/2009 0937			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		83	U	16	83
Aroclor 1221		83	U	25	83
Aroclor 1232		83	U	47	83
Aroclor 1242		83	U	16	83
Aroclor 1248		83	U	22	83
Aroclor 1254		83	U	28	83
Aroclor 1260		83	U	9.3	83
Aroclor 1262		83	U	14	83
Aroclor 1268		83	U	14	83

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	147		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-2889-1

Client Sample ID: **B-117:S3**

Lab Sample ID: 460-2889-2 Date Sampled: 06/16/2009 1340
Client Matrix: Solid % Moisture: 19.8 Date Received: 06/17/2009 1645

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 460-9642		Instrument ID:	PESTGC8
Preparation:	3541	Prep Batch: 460-9512		Initial Weight/Volume:	15.03 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	06/19/2009 0744			Injection Volume:	1.0 uL
Date Prepared:	06/18/2009 0937			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	132		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-2889-1

Client Sample ID: **B-118:S1**

Lab Sample ID: 460-2889-3 Date Sampled: 06/16/2009 1400
Client Matrix: Solid % Moisture: 15.2 Date Received: 06/17/2009 1645

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 460-9642		Instrument ID:	PESTGC8
Preparation:	3541	Prep Batch: 460-9512		Initial Weight/Volume:	15.01 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	06/19/2009 0800			Injection Volume:	1.0 uL
Date Prepared:	06/18/2009 0937			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		79	U	15	79
Aroclor 1221		79	U	24	79
Aroclor 1232		79	U	45	79
Aroclor 1242		79	U	15	79
Aroclor 1248		79	U	21	79
Aroclor 1254		79	U	27	79
Aroclor 1260		100		8.8	79
Aroclor 1262		79	U	14	79
Aroclor 1268		79	U	14	79

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	101		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-2889-1

Client Sample ID: **B-118:S1**

Lab Sample ID: 460-2889-3 Date Sampled: 06/16/2009 1400
Client Matrix: Solid % Moisture: 15.2 Date Received: 06/17/2009 1645

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 460-9642		Instrument ID:	PESTGC8
Preparation:	3541	Prep Batch: 460-9512		Initial Weight/Volume:	15.01 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	06/19/2009 0800			Injection Volume:	1.0 uL
Date Prepared:	06/18/2009 0937			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	95		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-2889-1

Client Sample ID: **B-118:S3**

Lab Sample ID: 460-2889-4 Date Sampled: 06/16/2009 1408
Client Matrix: Solid % Moisture: 27.5 Date Received: 06/17/2009 1645

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 460-9642		Instrument ID:	PESTGC8
Preparation:	3541	Prep Batch: 460-9512		Initial Weight/Volume:	14.99 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	06/19/2009 0815			Injection Volume:	1.0 uL
Date Prepared:	06/18/2009 0937			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		92	U	18	92
Aroclor 1221		92	U	28	92
Aroclor 1232		92	U	52	92
Aroclor 1242		92	U	18	92
Aroclor 1248		92	U	25	92
Aroclor 1254		92	U	32	92
Aroclor 1260		92	U	10	92
Aroclor 1262		92	U	16	92
Aroclor 1268		92	U	16	92

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	143		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-2889-1

Client Sample ID: **B-118:S3**

Lab Sample ID: 460-2889-4 Date Sampled: 06/16/2009 1408
Client Matrix: Solid % Moisture: 27.5 Date Received: 06/17/2009 1645

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 460-9642		Instrument ID:	PESTGC8
Preparation:	3541	Prep Batch: 460-9512		Initial Weight/Volume:	14.99 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	06/19/2009 0815			Injection Volume:	1.0 uL
Date Prepared:	06/18/2009 0937			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	130		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-2889-1

Client Sample ID: **B-117:S1**

Lab Sample ID: 460-2889-1 Date Sampled: 06/16/2009 1325
Client Matrix: Solid % Moisture: 10.2 Date Received: 06/17/2009 1645

NJ-OQA-QAM-025 New Jersey - Total petroleum Hydrocarbons (GC)

Method:	NJ-OQA-QAM-025	Analysis Batch: 460-9725		Instrument ID:	BNAGC1
Preparation:	3541	Prep Batch: 460-9571		Lab File ID:	gcr33398.d
Dilution:	1.0			Initial Weight/Volume:	15.01 g
Date Analyzed:	06/19/2009 1727			Final Weight/Volume:	1 mL
Date Prepared:	06/18/2009 1644			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL	RL
Total Petroleum Hydrocarbons (C8-C40)		30		6.1	6.1

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	74		46 - 124
Chlorobenzene	64		19 - 98

Client: Haley & Aldrich, Inc. Job Number: 460-2889-1

Client Sample ID: **B-117:S3**

Lab Sample ID: 460-2889-2 Date Sampled: 06/16/2009 1340
Client Matrix: Solid % Moisture: 19.8 Date Received: 06/17/2009 1645

NJ-OQA-QAM-025 New Jersey - Total petroleum Hydrocarbons (GC)

Method:	NJ-OQA-QAM-025	Analysis Batch: 460-9725		Instrument ID:	BNAGC1
Preparation:	3541	Prep Batch: 460-9571		Lab File ID:	gcr33395.d
Dilution:	1.0			Initial Weight/Volume:	15.03 g
Date Analyzed:	06/19/2009 1646			Final Weight/Volume:	1 mL
Date Prepared:	06/18/2009 1644			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL	RL
Total Petroleum Hydrocarbons (C8-C40)		37		6.8	6.8

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	79		46 - 124
Chlorobenzene	68		19 - 98

Client: Haley & Aldrich, Inc. Job Number: 460-2889-1

Client Sample ID: **B-118:S1**

Lab Sample ID: 460-2889-3 Date Sampled: 06/16/2009 1400
Client Matrix: Solid % Moisture: 15.2 Date Received: 06/17/2009 1645

NJ-OQA-QAM-025 New Jersey - Total petroleum Hydrocarbons (GC)

Method:	NJ-OQA-QAM-025	Analysis Batch: 460-9725		Instrument ID:	BNAGC1
Preparation:	3541	Prep Batch: 460-9571		Lab File ID:	gcr33394.d
Dilution:	1.0			Initial Weight/Volume:	15.00 g
Date Analyzed:	06/19/2009 1633			Final Weight/Volume:	1 mL
Date Prepared:	06/18/2009 1644			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL	RL
Total Petroleum Hydrocarbons (C8-C40)		55		6.5	6.5

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	60		46 - 124
Chlorobenzene	54		19 - 98

Client: Haley & Aldrich, Inc. Job Number: 460-2889-1

Client Sample ID: **B-118:S3**

Lab Sample ID: 460-2889-4 Date Sampled: 06/16/2009 1408
Client Matrix: Solid % Moisture: 27.5 Date Received: 06/17/2009 1645

NJ-OQA-QAM-025 New Jersey - Total petroleum Hydrocarbons (GC)

Method:	NJ-OQA-QAM-025	Analysis Batch: 460-9725		Instrument ID:	BNAGC1
Preparation:	3541	Prep Batch: 460-9571		Lab File ID:	gcr33393.d
Dilution:	1.0			Initial Weight/Volume:	14.99 g
Date Analyzed:	06/19/2009 1618			Final Weight/Volume:	1 mL
Date Prepared:	06/18/2009 1644			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL	RL
Total Petroleum Hydrocarbons (C8-C40)		33		7.6	7.6

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	74		46 - 124
Chlorobenzene	56		19 - 98

Client: Haley & Aldrich, Inc. Job Number: 460-2889-1

Client Sample ID: **B-117:S1**

Lab Sample ID: 460-2889-1 Date Sampled: 06/16/2009 1325
Client Matrix: Solid % Moisture: 10.2 Date Received: 06/17/2009 1645

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 460-9744		Instrument ID:	ICP2
Preparation:	3050B	Prep Batch: 460-9564		Lab File ID:	9335V1
Dilution:	4.0			Initial Weight/Volume:	1.01 g
Date Analyzed:	06/20/2009 0127			Final Weight/Volume:	50 mL
Date Prepared:	06/18/2009 1557				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		6870		16.2	44.1
Antimony		9.7		0.97	2.2
Arsenic		11.8		0.77	1.1
Barium		160		1.3	44.1
Beryllium		0.97		0.19	0.44
Cadmium		1.2		0.17	1.1
Calcium		20400		29.0	1100
Chromium		32.0		1.3	2.2
Cobalt		8.3	J	1.4	11.0
Copper		193		0.90	5.5
Iron		22300		11.7	33.1
Lead		771		0.55	1.1
Magnesium		2810		11.7	1100
Manganese		333		1.2	3.3
Nickel		37.8		0.59	8.8
Potassium		1320		49.7	1100
Selenium		2.2	U	1.0	2.2
Silver		0.25	J	0.17	2.2
Sodium		317	J	67.7	1100
Thallium		2.2	U	1.1	2.2
Vanadium		68.2		0.57	11.0
Zinc		559		1.1	6.6

7471A Mercury (CVAA)

Method:	7471A	Analysis Batch: 460-9544		Instrument ID:	LEEMAN3
Preparation:	7471A	Prep Batch: 460-9514		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	0.64 g
Date Analyzed:	06/18/2009 1324			Final Weight/Volume:	100 mL
Date Prepared:	06/18/2009 0947				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.66		0.027	0.034

Client: Haley & Aldrich, Inc. Job Number: 460-2889-1

Client Sample ID: **B-117:S3**

Lab Sample ID: 460-2889-2 Date Sampled: 06/16/2009 1340
Client Matrix: Solid % Moisture: 19.8 Date Received: 06/17/2009 1645

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 460-9744		Instrument ID:	ICP2
Preparation:	3050B	Prep Batch: 460-9564		Lab File ID:	9335V1
Dilution:	4.0			Initial Weight/Volume:	1.01 g
Date Analyzed:	06/20/2009 0134			Final Weight/Volume:	50 mL
Date Prepared:	06/18/2009 1557				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		6640		18.1	49.4
Antimony		2.5	U	1.1	2.5
Arsenic		27.8		0.86	1.2
Barium		136		1.5	49.4
Beryllium		0.47	J	0.22	0.49
Cadmium		1.2	U	0.19	1.2
Calcium		12300		32.4	1230
Chromium		21.1		1.5	2.5
Cobalt		6.8	J	1.5	12.3
Copper		88.1		1.0	6.2
Iron		26500		13.1	37.0
Lead		1870		0.62	1.2
Magnesium		2510		13.1	1230
Manganese		269		1.4	3.7
Nickel		24.9		0.66	9.9
Potassium		940	J	55.7	1230
Selenium		2.5	U	1.2	2.5
Silver		0.32	J	0.19	2.5
Sodium		99.9	J	75.8	1230
Thallium		2.5	U	1.2	2.5
Vanadium		28.3		0.64	12.3
Zinc		225		1.2	7.4

7471A Mercury (CVAA)

Method:	7471A	Analysis Batch: 460-9544		Instrument ID:	LEEMAN3
Preparation:	7471A	Prep Batch: 460-9514		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	0.65 g
Date Analyzed:	06/18/2009 1326			Final Weight/Volume:	100 mL
Date Prepared:	06/18/2009 0947				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		1.8		0.030	0.038

Client: Haley & Aldrich, Inc. Job Number: 460-2889-1

Client Sample ID: **B-118:S1**

Lab Sample ID: 460-2889-3 Date Sampled: 06/16/2009 1400
Client Matrix: Solid % Moisture: 15.2 Date Received: 06/17/2009 1645

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 460-9744		Instrument ID:	ICP2
Preparation:	3050B	Prep Batch: 460-9564		Lab File ID:	9335V1
Dilution:	4.0			Initial Weight/Volume:	1.00 g
Date Analyzed:	06/20/2009 0140			Final Weight/Volume:	50 mL
Date Prepared:	06/18/2009 1557				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		7920		17.3	47.2
Antimony		1.7	J	1.0	2.4
Arsenic		7.3		0.82	1.2
Barium		377		1.4	47.2
Beryllium		5.6		0.21	0.47
Cadmium		0.63	J	0.18	1.2
Calcium		12300		31.0	1180
Chromium		64.1		1.4	2.4
Cobalt		16.6		1.4	11.8
Copper		326		0.96	5.9
Iron		25700		12.5	35.4
Lead		806		0.59	1.2
Magnesium		3210		12.5	1180
Manganese		360		1.3	3.5
Nickel		95.1		0.63	9.4
Potassium		965	J	53.2	1180
Selenium		2.4	U	1.1	2.4
Silver		0.57	J	0.18	2.4
Sodium		655	J	72.4	1180
Thallium		2.4	U	1.1	2.4
Vanadium		32.1		0.61	11.8
Zinc		1120		1.2	7.1

7471A Mercury (CVAA)

Method:	7471A	Analysis Batch: 460-9544		Instrument ID:	LEEMAN3
Preparation:	7471A	Prep Batch: 460-9514		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	0.67 g
Date Analyzed:	06/18/2009 1328			Final Weight/Volume:	100 mL
Date Prepared:	06/18/2009 0947				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.77		0.027	0.035

Client: Haley & Aldrich, Inc. Job Number: 460-2889-1

Client Sample ID: **B-118:S3**

Lab Sample ID: 460-2889-4 Date Sampled: 06/16/2009 1408
Client Matrix: Solid % Moisture: 27.5 Date Received: 06/17/2009 1645

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 460-9744		Instrument ID:	ICP2
Preparation:	3050B	Prep Batch: 460-9564		Lab File ID:	9335V1
Dilution:	4.0			Initial Weight/Volume:	1.02 g
Date Analyzed:	06/20/2009 0146			Final Weight/Volume:	50 mL
Date Prepared:	06/18/2009 1557				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		6780		19.8	54.1
Antimony		2.7	U	1.2	2.7
Arsenic		5.1		0.94	1.4
Barium		81.7		1.6	54.1
Beryllium		0.25	J	0.24	0.54
Cadmium		1.4	U	0.21	1.4
Calcium		21200		35.5	1350
Chromium		14.3		1.6	2.7
Cobalt		7.0	J	1.7	13.5
Copper		46.3		1.1	6.8
Iron		16000		14.3	40.5
Lead		185		0.68	1.4
Magnesium		2680		14.3	1350
Manganese		253		1.5	4.1
Nickel		16.0		0.72	10.8
Potassium		1300	J	61.0	1350
Selenium		2.7	U	1.3	2.7
Silver		2.7	U	0.21	2.7
Sodium		154	J	83.0	1350
Thallium		2.7	U	1.3	2.7
Vanadium		18.7		0.70	13.5
Zinc		89.9		1.3	8.1

7471A Mercury (CVAA)

Method:	7471A	Analysis Batch: 460-9544		Instrument ID:	LEEMAN3
Preparation:	7471A	Prep Batch: 460-9514		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	0.60 g
Date Analyzed:	06/18/2009 1330			Final Weight/Volume:	100 mL
Date Prepared:	06/18/2009 0947				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		1.1		0.036	0.045

General Chemistry

Client Sample ID: **B-117:S1**

Lab Sample ID: 460-2889-1 Date Sampled: 06/16/2009 1325
Client Matrix: Solid Date Received: 06/17/2009 1645

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	10.2		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-9470	Date Analyzed: 06/17/2009 2213					
Percent Solids	89.8		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-9470	Date Analyzed: 06/17/2009 2213					

General Chemistry

Client Sample ID: **B-117:S3**

Lab Sample ID: 460-2889-2 Date Sampled: 06/16/2009 1340

Client Matrix: Solid Date Received: 06/17/2009 1645

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	19.8		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-9470	Date Analyzed: 06/17/2009 2213					
Percent Solids	80.2		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-9470	Date Analyzed: 06/17/2009 2213					

General Chemistry

Client Sample ID: **B-118:S1**

Lab Sample ID: 460-2889-3 Date Sampled: 06/16/2009 1400

Client Matrix: Solid Date Received: 06/17/2009 1645

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	15.2		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-9470	Date Analyzed: 06/17/2009 2213					
Percent Solids	84.8		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-9470	Date Analyzed: 06/17/2009 2213					

General Chemistry

Client Sample ID: **B-118:S3**

Lab Sample ID: 460-2889-4 Date Sampled: 06/16/2009 1408

Client Matrix: Solid Date Received: 06/17/2009 1645

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	27.5		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-9470	Date Analyzed: 06/17/2009 2213					
Percent Solids	72.5		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-9470	Date Analyzed: 06/17/2009 2213					

SHORT HOLD

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

777 New Durham Road
Edison, New Jersey 08817
Phone: (732) 549-3900 Fax: (732) 549-3679

CHAIN OF CUSTODY / ANALYSIS REQUEST

Page ____ of ____

Name (for report and invoice) AMY MURPHY	Samplers Name (Printed) BOBBY ISSAC	Site/Project Identification 14th ST. VIADUCT REPLACEMENT, HOBOKEN NJ
Company HALEY & ALDRICH, INC.	P. O. # 36059-001	State (Location of site): NJ: [X] NY: [ ] Other:
		Regulatory Program:
Address 299 CHERRY HILL ROAD, SUITE 105	Analysis Turnaround Time: Standard [X]	
City PARSIPPANY State NJ	Rush Chrages Authorized For: 2 Week [ ] 1 Week [ ] Other [ ]	
Phone 973-658-3938 Fax 973-658-3988		

LAB USE ONLY
Project No: 46003487
Job No: 460-2953

ANALYSIS REQUESTED (ENTER "X" BELOW TO INDICATE REQUEST)

Sample Identification	Date	Time	Matrix	No. of. Cont.	8270C TCL BN+15	8082 PCBs	8081A TCL Pesticides	6010B TAL Metals	NJ.OQA-QAM-25 QAM-025	8260B TCL VOA+10						Sample Numbers
EB-2:S1	6/17/09	2:35P	S	5	X	X	X	X	X	X						1
EB-2:S1A	6/17/09	2:35P	S	5	X	X	X	X	X	X						2
EB-2:S7	6/18/09	6:47A	S	5	X	X	X	X	X	X						3
EB-1:S1	6/18/09	9:45A	S	5	X	X	X	X	X	X						4
EB-1:S4	6/18/09	9:53A	S	5	X	X	X	X	X	X						5
B-110:S5	6/18/09	7:57A	S	5	X	X	X	X	X	X						6
SA-7.B	6-17-09															7
Preservation Used: 1 = ICE, 2 = HCl, 3 = H_2SO_4, 4 = HNO_3, 5 = NaOH				Soil:	1	1	1	1	1	1						
6 = Other _____, 7 = Other _____				Water:												

Special Instructions _____ Water Metals Filtered (Yes/No)? _____

Relinquished by	Company	Date / Time	Received by	Company
Bobby Issac	Haley & Aldrich	6/18/09 330	1) [signature]	[signature]
2) [signature]	[signature]	6/18/09 610	2) [signature]	20 #90
3)			3)	
4)			4)	

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132). TAL - 0016 (0408)

Massachusetts (M-NJ312), North Carolina (No. 578)

Client: Haley & Aldrich, Inc. Job Number: 460-2953-1

Client Sample ID: **EB-2: S1**

Lab Sample ID: 460-2953-1 Date Sampled: 06/17/2009 1435
Client Matrix: Solid % Moisture: 12.3 Date Received: 06/18/2009 1810

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 460-10171		Instrument ID:	VOAMS12
Preparation:	5035	Prep Batch: 460-9594		Lab File ID:	o28157.d
Dilution:	1.0			Initial Weight/Volume:	6.11 g
Date Analyzed:	06/24/2009 0134			Final Weight/Volume:	5 mL
Date Prepared:	06/19/2009 0501				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Chloromethane		0.93	U	0.59	0.93
Bromomethane		0.93	U	0.38	0.93
Vinyl chloride		0.93	U	0.22	0.93
Chloroethane		0.93	U	0.37	0.93
Methylene Chloride		0.93	U	0.44	0.93
Acetone		9.3	U	3.4	9.3
Carbon disulfide		0.93	U	0.43	0.93
1,1-Dichloroethene		0.93	U	0.34	0.93
1,1-Dichloroethane		0.93	U	0.24	0.93
trans-1,2-Dichloroethene		0.93	U	0.26	0.93
cis-1,2-Dichloroethene		0.93	U	0.22	0.93
Chloroform		0.93	U	0.22	0.93
1,2-Dichloroethane		0.93	U	0.36	0.93
2-Butanone		9.3	U	0.53	9.3
1,1,1-Trichloroethane		0.93	U	0.17	0.93
Carbon tetrachloride		0.93	U	0.094	0.93
Bromodichloromethane		0.93	U	0.28	0.93
1,2-Dichloropropane		0.93	U	0.30	0.93
cis-1,3-Dichloropropene		0.93	U	0.19	0.93
Trichloroethene		0.93	U	0.34	0.93
Dibromochloromethane		0.93	U	0.52	0.93
1,1,2-Trichloroethane		0.93	U	0.55	0.93
Benzene		0.93	U	0.69	0.93
trans-1,3-Dichloropropene		0.93	U	0.21	0.93
Bromoform		0.93	U	0.65	0.93
4-Methyl-2-pentanone		9.3	U	0.67	9.3
2-Hexanone		9.3	U	1.6	9.3
Tetrachloroethene		0.93	U	0.31	0.93
1,1,2,2-Tetrachloroethane		0.93	U	0.71	0.93
Toluene		0.93	U	0.28	0.93
Chlorobenzene		0.61	J	0.45	0.93
Ethylbenzene		0.93	U	0.18	0.93
Styrene		0.93	U	0.32	0.93
Xylenes, Total		2.8	U	0.73	2.8

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	119		53 - 128
Bromofluorobenzene	102		73 - 143
Toluene-d8 (Surr)	89		59 - 139

Client: Haley & Aldrich, Inc. Job Number: 460-2953-1

Client Sample ID: **EB-2: S1**

Lab Sample ID: 460-2953-1 Date Sampled: 06/17/2009 1435
Client Matrix: Solid % Moisture: 12.3 Date Received: 06/18/2009 1810

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 460-10171		Instrument ID:	VOAMS12
Preparation:	5035	Prep Batch: 460-9594		Lab File ID:	o28157.d
Dilution:	1.0			Initial Weight/Volume:	6.11 g
Date Analyzed:	06/24/2009 0134			Final Weight/Volume:	5 mL
Date Prepared:	06/19/2009 0501				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Tentatively Identified Compound		None	

Client: Haley & Aldrich, Inc. Job Number: 460-2953-1

Client Sample ID: **EB-2: S1A**

Lab Sample ID: 460-2953-2 Date Sampled: 06/17/2009 1435
Client Matrix: Solid % Moisture: 14.6 Date Received: 06/18/2009 1810

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 460-10291		Instrument ID:	VOAMS2
Preparation:	5035	Prep Batch: 460-9594		Lab File ID:	b25045.d
Dilution:	1.0			Initial Weight/Volume:	6.10 g
Date Analyzed:	06/26/2009 2306			Final Weight/Volume:	5 mL
Date Prepared:	06/19/2009 0504				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Chloromethane		0.96	U	0.61	0.96
Bromomethane		0.96	U	0.39	0.96
Vinyl chloride		0.96	U	0.22	0.96
Chloroethane		0.96	U	0.38	0.96
Methylene Chloride		0.96	U	0.45	0.96
Acetone		9.6	U	3.5	9.6
Carbon disulfide		0.96	U	0.45	0.96
1,1-Dichloroethene		0.96	U	0.35	0.96
1,1-Dichloroethane		0.96	U	0.24	0.96
trans-1,2-Dichloroethene		0.96	U	0.27	0.96
cis-1,2-Dichloroethene		0.96	U	0.23	0.96
Chloroform		0.96	U	0.23	0.96
1,2-Dichloroethane		0.96	U	0.37	0.96
2-Butanone		9.6	U	0.55	9.6
1,1,1-Trichloroethane		0.96	U	0.18	0.96
Carbon tetrachloride		0.96	U	0.097	0.96
Bromodichloromethane		0.96	U	0.29	0.96
1,2-Dichloropropane		0.96	U	0.31	0.96
cis-1,3-Dichloropropene		0.96	U	0.19	0.96
Trichloroethene		0.96	U	0.35	0.96
Dibromochloromethane		0.96	U	0.54	0.96
1,1,2-Trichloroethane		0.96	U	0.57	0.96
Benzene		0.96	U	0.71	0.96
trans-1,3-Dichloropropene		0.96	U	0.21	0.96
Bromoform		0.96	U	0.67	0.96
4-Methyl-2-pentanone		9.6	U	0.69	9.6
2-Hexanone		9.6	U	1.6	9.6
Tetrachloroethene		0.96	U	0.32	0.96
1,1,2,2-Tetrachloroethane		0.96	U	0.73	0.96
Toluene		0.96	U	0.29	0.96
Chlorobenzene		0.96	U	0.46	0.96
Ethylbenzene		0.96	U	0.18	0.96
Styrene		0.96	U	0.33	0.96
Xylenes, Total		2.9	U	0.75	2.9

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	99		53 - 128
Bromofluorobenzene	94		73 - 143
Toluene-d8 (Surr)	93		59 - 139

Client: Haley & Aldrich, Inc. Job Number: 460-2953-1

Client Sample ID: **EB-2: S1A**

Lab Sample ID: 460-2953-2 Date Sampled: 06/17/2009 1435
Client Matrix: Solid % Moisture: 14.6 Date Received: 06/18/2009 1810

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 460-10291		Instrument ID:	VOAMS2
Preparation:	5035	Prep Batch: 460-9594		Lab File ID:	b25045.d
Dilution:	1.0			Initial Weight/Volume:	6.10 g
Date Analyzed:	06/26/2009 2306			Final Weight/Volume:	5 mL
Date Prepared:	06/19/2009 0504				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Tentatively Identified Compound		None	

Client: Haley & Aldrich, Inc. Job Number: 460-2953-1

Client Sample ID: **EB-2: S7**

Lab Sample ID: 460-2953-3 Date Sampled: 06/18/2009 0647
Client Matrix: Solid % Moisture: 51.5 Date Received: 06/18/2009 1810

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 460-10171		Instrument ID:	VOAMS12
Preparation:	5035	Prep Batch: 460-9594		Lab File ID:	o28158.d
Dilution:	1.0			Initial Weight/Volume:	3.92 g
Date Analyzed:	06/24/2009 0200			Final Weight/Volume:	5 mL
Date Prepared:	06/19/2009 0509				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Chloromethane		2.6	U	1.7	2.6
Bromomethane		2.6	U	1.1	2.6
Vinyl chloride		2.6	U	0.62	2.6
Chloroethane		2.6	U	1.0	2.6
Methylene Chloride		2.6	U	1.2	2.6
Acetone		160		9.7	26
Carbon disulfide		3.5		1.2	2.6
1,1-Dichloroethene		2.6	U	0.97	2.6
1,1-Dichloroethane		2.6	U	0.66	2.6
trans-1,2-Dichloroethene		2.6	U	0.74	2.6
cis-1,2-Dichloroethene		2.6	U	0.62	2.6
Chloroform		2.6	U	0.62	2.6
1,2-Dichloroethane		2.6	U	1.0	2.6
2-Butanone		37		1.5	26
1,1,1-Trichloroethane		2.6	U	0.49	2.6
Carbon tetrachloride		2.6	U	0.27	2.6
Bromodichloromethane		2.6	U	0.80	2.6
1,2-Dichloropropane		2.6	U	0.84	2.6
cis-1,3-Dichloropropene		2.6	U	0.53	2.6
Trichloroethene		2.6	U	0.95	2.6
Dibromochloromethane		2.6	U	1.5	2.6
1,1,2-Trichloroethane		2.6	U	1.6	2.6
Benzene		2.6	U	1.9	2.6
trans-1,3-Dichloropropene		2.6	U	0.58	2.6
Bromoform		2.6	U	1.8	2.6
4-Methyl-2-pentanone		26	U	1.9	26
2-Hexanone		26	U	4.4	26
Tetrachloroethene		2.6	U	0.87	2.6
1,1,2,2-Tetrachloroethane		2.6	U	2.0	2.6
Toluene		2.6	U	0.79	2.6
Chlorobenzene		2.6	U	1.3	2.6
Ethylbenzene		2.6	U	0.50	2.6
Styrene		2.6	U	0.91	2.6
Xylenes, Total		7.9	U	2.1	7.9

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	102		53 - 128
Bromofluorobenzene	90		73 - 143
Toluene-d8 (Surr)	79		59 - 139

Client: Haley & Aldrich, Inc. Job Number: 460-2953-1

Client Sample ID: **EB-2: S7**

Lab Sample ID: 460-2953-3 Date Sampled: 06/18/2009 0647
Client Matrix: Solid % Moisture: 51.5 Date Received: 06/18/2009 1810

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 460-10171		Instrument ID:	VOAMS12
Preparation:	5035	Prep Batch: 460-9594		Lab File ID:	o28158.d
Dilution:	1.0			Initial Weight/Volume:	3.92 g
Date Analyzed:	06/24/2009 0200			Final Weight/Volume:	5 mL
Date Prepared:	06/19/2009 0509				

Tentatively Identified Compounds **Number TIC's Found:** 1

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	1.76	16	T J

Client: Haley & Aldrich, Inc. Job Number: 460-2953-1

Client Sample ID: **EB-1: S1**

Lab Sample ID: 460-2953-4 Date Sampled: 06/18/2009 0945
Client Matrix: Solid % Moisture: 20.2 Date Received: 06/18/2009 1810

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 460-10171		Instrument ID:	VOAMS12
Preparation:	5035	Prep Batch: 460-9594		Lab File ID:	o28159.d
Dilution:	1.0			Initial Weight/Volume:	4.65 g
Date Analyzed:	06/24/2009 0226			Final Weight/Volume:	5 mL
Date Prepared:	06/19/2009 0512				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Chloromethane		1.3	U	0.85	1.3
Bromomethane		1.3	U	0.55	1.3
Vinyl chloride		1.3	U	0.32	1.3
Chloroethane		1.3	U	0.54	1.3
Methylene Chloride		1.3	U	0.63	1.3
Acetone		13	U	5.0	13
Carbon disulfide		0.71	J	0.63	1.3
1,1-Dichloroethene		1.3	U	0.50	1.3
1,1-Dichloroethane		1.3	U	0.34	1.3
trans-1,2-Dichloroethene		1.3	U	0.38	1.3
cis-1,2-Dichloroethene		1.3	U	0.32	1.3
Chloroform		0.68	J	0.32	1.3
1,2-Dichloroethane		1.3	U	0.53	1.3
2-Butanone		13	U	0.77	13
1,1,1-Trichloroethane		1.3	U	0.25	1.3
Carbon tetrachloride		1.3	U	0.14	1.3
Bromodichloromethane		1.3	U	0.41	1.3
1,2-Dichloropropane		1.3	U	0.43	1.3
cis-1,3-Dichloropropene		1.3	U	0.27	1.3
Trichloroethene		6.7		0.49	1.3
Dibromochloromethane		1.3	U	0.75	1.3
1,1,2-Trichloroethane		1.3	U	0.80	1.3
Benzene		1.3	U	1.0	1.3
trans-1,3-Dichloropropene		1.3	U	0.30	1.3
Bromoform		1.3	U	0.94	1.3
4-Methyl-2-pentanone		13	U	0.96	13
2-Hexanone		13	U	2.3	13
Tetrachloroethene		1.7		0.44	1.3
1,1,2,2-Tetrachloroethane		1.3	U	1.0	1.3
Toluene		1.3	U	0.40	1.3
Chlorobenzene		1.3	U	0.65	1.3
Ethylbenzene		1.3	U	0.26	1.3
Styrene		1.3	U	0.47	1.3
Xylenes, Total		4.0	U	1.1	4.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	109		53 - 128
Bromofluorobenzene	109		73 - 143
Toluene-d8 (Surr)	93		59 - 139

Client: Haley & Aldrich, Inc. Job Number: 460-2953-1

Client Sample ID: **EB-1: S1**

Lab Sample ID: 460-2953-4 Date Sampled: 06/18/2009 0945
Client Matrix: Solid % Moisture: 20.2 Date Received: 06/18/2009 1810

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 460-10171		Instrument ID:	VOAMS12
Preparation:	5035	Prep Batch: 460-9594		Lab File ID:	o28159.d
Dilution:	1.0			Initial Weight/Volume:	4.65 g
Date Analyzed:	06/24/2009 0226			Final Weight/Volume:	5 mL
Date Prepared:	06/19/2009 0512				

Tentatively Identified Compounds **Number TIC's Found:** 1

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	1.76	8.0	T J

Client: Haley & Aldrich, Inc. Job Number: 460-2953-1

Client Sample ID: **EB-1: S4**

Lab Sample ID: 460-2953-5 Date Sampled: 06/18/2009 0953
Client Matrix: Solid % Moisture: 25.4 Date Received: 06/18/2009 1810

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 460-10171		Instrument ID:	VOAMS12
Preparation:	5035	Prep Batch: 460-9594		Lab File ID:	o28160.d
Dilution:	1.0			Initial Weight/Volume:	4.91 g
Date Analyzed:	06/24/2009 0251			Final Weight/Volume:	5 mL
Date Prepared:	06/19/2009 0515				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Chloromethane		1.4	U	0.87	1.4
Bromomethane		1.4	U	0.56	1.4
Vinyl chloride		0.81	J	0.32	1.4
Chloroethane		1.4	U	0.54	1.4
Methylene Chloride		1.4	U	0.64	1.4
Acetone		18		5.0	14
Carbon disulfide		1.2	J	0.63	1.4
1,1-Dichloroethene		1.4	U	0.50	1.4
1,1-Dichloroethane		1.4	U	0.34	1.4
trans-1,2-Dichloroethene		1.4	U	0.39	1.4
cis-1,2-Dichloroethene		3.0		0.32	1.4
Chloroform		1.4	U	0.32	1.4
1,2-Dichloroethane		1.4	U	0.53	1.4
2-Butanone		14	U	0.78	14
1,1,1-Trichloroethane		1.4	U	0.26	1.4
Carbon tetrachloride		1.4	U	0.14	1.4
Bromodichloromethane		1.4	U	0.41	1.4
1,2-Dichloropropane		1.4	U	0.43	1.4
cis-1,3-Dichloropropene		1.4	U	0.27	1.4
Trichloroethene		3.0		0.50	1.4
Dibromochloromethane		1.4	U	0.76	1.4
1,1,2-Trichloroethane		1.4	U	0.81	1.4
Benzene		1.1	J	1.0	1.4
trans-1,3-Dichloropropene		1.4	U	0.30	1.4
Bromoform		1.4	U	0.96	1.4
4-Methyl-2-pentanone		14	U	0.98	14
2-Hexanone		14	U	2.3	14
Tetrachloroethene		0.63	J	0.45	1.4
1,1,2,2-Tetrachloroethane		1.4	U	1.0	1.4
Toluene		1.1	J	0.41	1.4
Chlorobenzene		1.4	U	0.66	1.4
Ethylbenzene		1.4	U	0.26	1.4
Styrene		1.4	U	0.47	1.4
Xylenes, Total		4.1	U	1.1	4.1

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	83		53 - 128
Bromofluorobenzene	103		73 - 143
Toluene-d8 (Surr)	94		59 - 139

Client: Haley & Aldrich, Inc. Job Number: 460-2953-1

Client Sample ID: **EB-1: S4**

Lab Sample ID: 460-2953-5 Date Sampled: 06/18/2009 0953
Client Matrix: Solid % Moisture: 25.4 Date Received: 06/18/2009 1810

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 460-10171		Instrument ID:	VOAMS12
Preparation:	5035	Prep Batch: 460-9594		Lab File ID:	o28160.d
Dilution:	1.0			Initial Weight/Volume:	4.91 g
Date Analyzed:	06/24/2009 0251			Final Weight/Volume:	5 mL
Date Prepared:	06/19/2009 0515				

Tentatively Identified Compounds **Number TIC's Found:** **10**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown Alkane	3.08	110	T J
	C7H16 Alkane	3.78	99	T J
	C8H18 Alkane	4.95	250	T J
	C8H18 Alkane	5.01	260	T J
	C8H16 Cycloalkane	5.21	180	T J
	Unknown	6.54	89	T J
	Unknown Alkane	7.26	270	T J
	C9H18 Cycloalkane	7.50	100	T J
	C10H20 Cycloalkane	8.52	65	T J
	Unknown	9.01	81	T J

Client: Haley & Aldrich, Inc. Job Number: 460-2953-1

Client Sample ID: **B-110 S5**

Lab Sample ID: 460-2953-6 Date Sampled: 06/18/2009 0757
Client Matrix: Solid % Moisture: 25.3 Date Received: 06/18/2009 1810

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 460-9797		Instrument ID:	VOAMS8
Preparation:	5035	Prep Batch: 460-9592		Lab File ID:	j85687.d
Dilution:	50			Initial Weight/Volume:	4.29 g
Date Analyzed:	06/22/2009 1742			Final Weight/Volume:	10 mL
Date Prepared:	06/19/2009 0517				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Chloromethane		160	U	33	160
Bromomethane		160	U	49	160
Vinyl chloride		160	U	19	160
Chloroethane		160	U	69	160
Methylene Chloride		160	U	30	160
Acetone		1600	U	390	1600
Carbon disulfide		160	U	23	160
1,1-Dichloroethene		160	U	22	160
1,1-Dichloroethane		160	U	16	160
trans-1,2-Dichloroethene		160	U	21	160
cis-1,2-Dichloroethene		160	U	30	160
Chloroform		160	U	24	160
1,2-Dichloroethane		160	U	38	160
2-Butanone		1600	U	130	1600
1,1,1-Trichloroethane		160	U	39	160
Carbon tetrachloride		160	U	28	160
Bromodichloromethane		160	U	14	160
1,2-Dichloropropane		160	U	14	160
cis-1,3-Dichloropropene		160	U	16	160
Trichloroethene		160	U	28	160
Dibromochloromethane		160	U	16	160
1,1,2-Trichloroethane		160	U	15	160
Benzene		110	J	19	160
trans-1,3-Dichloropropene		160	U	19	160
Bromoform		160	U	15	160
4-Methyl-2-pentanone		1600	U	110	1600
2-Hexanone		1600	U	85	1600
Tetrachloroethene		160	U	31	160
1,1,2,2-Tetrachloroethane		160	U	13	160
Toluene		83	J	15	160
Chlorobenzene		160	U	26	160
Ethylbenzene		76	J	38	160
Styrene		160	U	22	160
Xylenes, Total		250	J	68	470

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	87		51 - 131
Bromofluorobenzene	77		70 - 131
Toluene-d8 (Surr)	74		51 - 138

Client: Haley & Aldrich, Inc. Job Number: 460-2953-1

Client Sample ID: **B-110 S5**

Lab Sample ID: 460-2953-6 Date Sampled: 06/18/2009 0757
Client Matrix: Solid % Moisture: 25.3 Date Received: 06/18/2009 1810

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 460-9797		Instrument ID:	VOAMS8
Preparation:	5035	Prep Batch: 460-9592		Lab File ID:	j85687.d
Dilution:	50			Initial Weight/Volume:	4.29 g
Date Analyzed:	06/22/2009 1742			Final Weight/Volume:	10 mL
Date Prepared:	06/19/2009 0517				

Tentatively Identified Compounds **Number TIC's Found:** **5**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	C9H10 Aromatic	13.85	2100	T J
	C10H12 Aromatic	14.50	1000	T J
	2,3-dihydro-methyl-1H-Indene isomer	15.26	890	T J
	C10H12 Aromatic	15.49	990	T J
91-20-3	Naphthalene	16.51	5100	*

Client: Haley & Aldrich, Inc. Job Number: 460-2953-1

Client Sample ID: **EB-2: S1**

Lab Sample ID: 460-2953-1 Date Sampled: 06/17/2009 1435
Client Matrix: Solid % Moisture: 12.3 Date Received: 06/18/2009 1810

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-9890		Instrument ID:	BNAMS4
Preparation:	3541	Prep Batch: 460-9692		Lab File ID:	u53743.d
Dilution:	1.0			Initial Weight/Volume:	15.00 g
Date Analyzed:	06/23/2009 0021			Final Weight/Volume:	1 mL
Date Prepared:	06/19/2009 1830			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Bis(2-chloroethyl)ether		38	U	7.9	38
1,3-Dichlorobenzene		380	U	52	380
1,4-Dichlorobenzene		380	U	56	380
1,2-Dichlorobenzene		380	U	60	380
N-Nitrosodi-n-propylamine		38	U	5.0	38
Hexachloroethane		38	U	6.4	38
Nitrobenzene		38	U	8.4	38
Isophorone		380	U	43	380
Bis(2-chloroethoxy)methane		380	U	54	380
1,2,4-Trichlorobenzene		38	U	6.2	38
Naphthalene		230	J	55	380
4-Chloroaniline		380	U	47	380
Hexachlorobutadiene		76	U	15	76
2-Methylnaphthalene		200	J	55	380
Hexachlorocyclopentadiene		380	U	110	380
2-Chloronaphthalene		380	U	53	380
2-Nitroaniline		760	U	100	760
Dimethyl phthalate		380	U	51	380
Acenaphthylene		220	J	54	380
2,6-Dinitrotoluene		76	U	9.6	76
3-Nitroaniline		760	U	85	760
Acenaphthene		600		54	380
Dibenzofuran		300	J	57	380
2,4-Dinitrotoluene		76	U	11	76
Diethyl phthalate		380	U	51	380
4-Chlorophenyl phenyl ether		380	U	65	380
Fluorene		580		64	380
4-Nitroaniline		760	U	78	760
N-Nitrosodiphenylamine		380	U	61	380
4-Bromophenyl phenyl ether		380	U	67	380
Hexachlorobenzene		38	U	5.2	38
Phenanthrene		8700		66	380
Anthracene		1900		67	380
Carbazole		500		60	380
Di-n-butyl phthalate		380	U	58	380
Fluoranthene		8100		63	380
Pyrene		8500		65	380
Butyl benzyl phthalate		380	U	44	380
3,3'-Dichlorobenzidine		760	U	83	760
Benzo[a]anthracene		3000		7.0	38
Chrysene		3500		55	380
Bis(2-ethylhexyl) phthalate		380	U	50	380
Di-n-octyl phthalate		380	U	45	380
Benzo[b]fluoranthene		2400		5.6	38
Benzo[k]fluoranthene		2700		5.3	38
Benzo[a]pyrene		2700		4.6	38

Client: Haley & Aldrich, Inc. Job Number: 460-2953-1

Client Sample ID: **EB-2: S1**

Lab Sample ID: 460-2953-1 Date Sampled: 06/17/2009 1435
Client Matrix: Solid % Moisture: 12.3 Date Received: 06/18/2009 1810

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-9890		Instrument ID:	BNAMS4
Preparation:	3541	Prep Batch: 460-9692		Lab File ID:	u53743.d
Dilution:	1.0			Initial Weight/Volume:	15.00 g
Date Analyzed:	06/23/2009 0021			Final Weight/Volume:	1 mL
Date Prepared:	06/19/2009 1830			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Indeno[1,2,3-cd]pyrene		480		6.0	38
Dibenz(a,h)anthracene		38	U	4.5	38
Benzo[g,h,i]perylene		390		40	380
bis (2-chloroisopropyl) ether		380	U	49	380

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	64		36 - 93
Nitrobenzene-d5	61		31 - 97
Terphenyl-d14	61		40 - 129

Client: Haley & Aldrich, Inc. Job Number: 460-2953-1

Client Sample ID: **EB-2: S1**

Lab Sample ID: 460-2953-1 Date Sampled: 06/17/2009 1435
Client Matrix: Solid % Moisture: 12.3 Date Received: 06/18/2009 1810

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-9890		Instrument ID:	BNAMS4
Preparation:	3541	Prep Batch: 460-9692		Lab File ID:	u53743.d
Dilution:	1.0			Initial Weight/Volume:	15.00 g
Date Analyzed:	06/23/2009 0021			Final Weight/Volume:	1 mL
Date Prepared:	06/19/2009 1830			Injection Volume:	1.0 uL

Tentatively Identified Compounds **Number TIC's Found:** **11**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
132-65-0	Dibenzothiophene	8.71	410	T J N
	C15H12 PAH	9.32	920	T J
	C15H12 PAH	9.35	1000	T J
	C15H10/C15H12 PAHs	9.44	2000	T J
	C16H12 PAH	9.61	680	T J
84-65-1	9,10-Anthracenedione	9.65	830	T J N
	C16H14 PAH	9.87	580	T J
	C15H8O Ketone	9.98	500	T J
	C17H12 PAH	10.58	440	T J
	C20H12 PAH	12.59	460	T J
	C20H12 PAH	12.78	1400	T J

Client: Haley & Aldrich, Inc. Job Number: 460-2953-1

Client Sample ID: **EB-2: S1A**

Lab Sample ID: 460-2953-2 Date Sampled: 06/17/2009 1435
Client Matrix: Solid % Moisture: 14.6 Date Received: 06/18/2009 1810

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-10112		Instrument ID:	BNAMS4
Preparation:	3541	Prep Batch: 460-9692		Lab File ID:	u53765.d
Dilution:	2.0			Initial Weight/Volume:	15.02 g
Date Analyzed:	06/23/2009 1518			Final Weight/Volume:	1 mL
Date Prepared:	06/19/2009 1830			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Bis(2-chloroethyl)ether		77	U	16	77
1,3-Dichlorobenzene		770	U	110	770
1,4-Dichlorobenzene		770	U	120	770
1,2-Dichlorobenzene		770	U	120	770
N-Nitrosodi-n-propylamine		77	U	10	77
Hexachloroethane		77	U	13	77
Nitrobenzene		77	U	17	77
Isophorone		770	U	89	770
Bis(2-chloroethoxy)methane		770	U	110	770
1,2,4-Trichlorobenzene		77	U	13	77
Naphthalene		770	U	110	770
4-Chloroaniline		770	U	97	770
Hexachlorobutadiene		160	U	31	160
2-Methylnaphthalene		770	U	110	770
Hexachlorocyclopentadiene		770	U	230	770
2-Chloronaphthalene		770	U	110	770
2-Nitroaniline		1600	U	210	1600
Dimethyl phthalate		770	U	100	770
Acenaphthylene		190	J	110	770
2,6-Dinitrotoluene		160	U	20	160
3-Nitroaniline		1600	U	170	1600
Acenaphthene		310	J	110	770
Dibenzofuran		770	U	120	770
2,4-Dinitrotoluene		160	U	23	160
Diethyl phthalate		770	U	100	770
4-Chlorophenyl phenyl ether		770	U	130	770
Fluorene		290	J	130	770
4-Nitroaniline		1600	U	160	1600
N-Nitrosodiphenylamine		770	U	130	770
4-Bromophenyl phenyl ether		770	U	140	770
Hexachlorobenzene		77	U	11	77
Phenanthrene		5900		130	770
Anthracene		1100		140	770
Carbazole		360	J	120	770
Di-n-butyl phthalate		770	U	120	770
Fluoranthene		7000		130	770
Pyrene		10000		130	770
Butyl benzyl phthalate		770	U	90	770
3,3'-Dichlorobenzidine		1600	U	170	1600
Benzo[a]anthracene		3400		14	77
Chrysene		3700		110	770
Bis(2-ethylhexyl) phthalate		770	U	100	770
Di-n-octyl phthalate		770	U	92	770
Benzo[b]fluoranthene		2200		12	77
Benzo[k]fluoranthene		2400		11	77
Benzo[a]pyrene		2900		9.5	77

Client: Haley & Aldrich, Inc. Job Number: 460-2953-1

Client Sample ID: **EB-2: S1A**

Lab Sample ID: 460-2953-2 Date Sampled: 06/17/2009 1435
Client Matrix: Solid % Moisture: 14.6 Date Received: 06/18/2009 1810

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-10112		Instrument ID:	BNAMS4
Preparation:	3541	Prep Batch: 460-9692		Lab File ID:	u53765.d
Dilution:	2.0			Initial Weight/Volume:	15.02 g
Date Analyzed:	06/23/2009 1518			Final Weight/Volume:	1 mL
Date Prepared:	06/19/2009 1830			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Indeno[1,2,3-cd]pyrene		1200		12	77
Dibenz(a,h)anthracene		410		9.3	77
Benzo[g,h,i]perylene		1400		82	770
bis (2-chloroisopropyl) ether		770	U	100	770

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	68		36 - 93
Nitrobenzene-d5	64		31 - 97
Terphenyl-d14	67		40 - 129

Client: Haley & Aldrich, Inc. Job Number: 460-2953-1

Client Sample ID: **EB-2: S1A**

Lab Sample ID: 460-2953-2 Date Sampled: 06/17/2009 1435
Client Matrix: Solid % Moisture: 14.6 Date Received: 06/18/2009 1810

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-10112		Instrument ID:	BNAMS4
Preparation:	3541	Prep Batch: 460-9692		Lab File ID:	u53765.d
Dilution:	2.0			Initial Weight/Volume:	15.02 g
Date Analyzed:	06/23/2009 1518			Final Weight/Volume:	1 mL
Date Prepared:	06/19/2009 1830			Injection Volume:	1.0 uL

Tentatively Identified Compounds **Number TIC's Found:** **8**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	C15H12 PAH	9.26	890	T J
	C15H12 PAH	9.29	940	T J
	C15H10/C15H12 PAHs	9.38	1800	T J
	C16H12 PAH	9.55	700	T J
84-65-1	9,10-Anthracenedione	9.59	810	T J N
	C16H14 PAH	9.82	650	T J
	C17H12 PAH	10.52	690	T J
	C20H12 PAH	12.70	1600	T J

Client: Haley & Aldrich, Inc. Job Number: 460-2953-1

Client Sample ID: **EB-2: S7**

Lab Sample ID: 460-2953-3 Date Sampled: 06/18/2009 0647
Client Matrix: Solid % Moisture: 51.5 Date Received: 06/18/2009 1810

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-9890		Instrument ID:	BNAMS4
Preparation:	3541	Prep Batch: 460-9692		Lab File ID:	u53735.d
Dilution:	1.0			Initial Weight/Volume:	15.01 g
Date Analyzed:	06/22/2009 2132			Final Weight/Volume:	1 mL
Date Prepared:	06/19/2009 1830			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Bis(2-chloroethyl)ether		68	U	14	68
1,3-Dichlorobenzene		680	U	93	680
1,4-Dichlorobenzene		680	U	100	680
1,2-Dichlorobenzene		680	U	110	680
N-Nitrosodi-n-propylamine		68	U	9.0	68
Hexachloroethane		68	U	11	68
Nitrobenzene		68	U	15	68
Isophorone		680	U	78	680
Bis(2-chloroethoxy)methane		680	U	97	680
1,2,4-Trichlorobenzene		68	U	11	68
Naphthalene		680	U	100	680
4-Chloroaniline		680	U	86	680
Hexachlorobutadiene		140	U	28	140
2-Methylnaphthalene		680	U	99	680
Hexachlorocyclopentadiene		680	U	200	680
2-Chloronaphthalene		680	U	96	680
2-Nitroaniline		1400	U	190	1400
Dimethyl phthalate		680	U	92	680
Acenaphthylene		680	U	97	680
2,6-Dinitrotoluene		140	U	17	140
3-Nitroaniline		1400	U	150	1400
Acenaphthene		680	U	97	680
Dibenzofuran		680	U	100	680
2,4-Dinitrotoluene		140	U	20	140
Diethyl phthalate		680	U	91	680
4-Chlorophenyl phenyl ether		680	U	120	680
Fluorene		680	U	120	680
4-Nitroaniline		1400	U	140	1400
N-Nitrosodiphenylamine		680	U	110	680
4-Bromophenyl phenyl ether		680	U	120	680
Hexachlorobenzene		68	U	9.5	68
Phenanthrene		680	U	120	680
Anthracene		680	U	120	680
Carbazole		680	U	110	680
Di-n-butyl phthalate		680	U	100	680
Fluoranthene		170	J	110	680
Pyrene		210	J	120	680
Butyl benzyl phthalate		680	U	79	680
3,3'-Dichlorobenzidine		1400	U	150	1400
Benzo[a]anthracene		110		13	68
Chrysene		100	J	99	680
Bis(2-ethylhexyl) phthalate		680	U	90	680
Di-n-octyl phthalate		680	U	81	680
Benzo[b]fluoranthene		89		10	68
Benzo[k]fluoranthene		89		9.5	68
Benzo[a]pyrene		130		8.4	68

Client: Haley & Aldrich, Inc. Job Number: 460-2953-1

Client Sample ID: **EB-2: S7**

Lab Sample ID: 460-2953-3 Date Sampled: 06/18/2009 0647
Client Matrix: Solid % Moisture: 51.5 Date Received: 06/18/2009 1810

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-9890		Instrument ID:	BNAMS4
Preparation:	3541	Prep Batch: 460-9692		Lab File ID:	u53735.d
Dilution:	1.0			Initial Weight/Volume:	15.01 g
Date Analyzed:	06/22/2009 2132			Final Weight/Volume:	1 mL
Date Prepared:	06/19/2009 1830			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Indeno[1,2,3-cd]pyrene		67	J	11	68
Dibenz(a,h)anthracene		68	U	8.2	68
Benzo[g,h,i]perylene		79	J	72	680
bis (2-chloroisopropyl) ether		680	U	89	680

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	66		36 - 93
Nitrobenzene-d5	60		31 - 97
Terphenyl-d14	69		40 - 129

Client: Haley & Aldrich, Inc. Job Number: 460-2953-1

Client Sample ID: **EB-2: S7**

Lab Sample ID: 460-2953-3 Date Sampled: 06/18/2009 0647
Client Matrix: Solid % Moisture: 51.5 Date Received: 06/18/2009 1810

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-9890		Instrument ID:	BNAMS4
Preparation:	3541	Prep Batch: 460-9692		Lab File ID:	u53735.d
Dilution:	1.0			Initial Weight/Volume:	15.01 g
Date Analyzed:	06/22/2009 2132			Final Weight/Volume:	1 mL
Date Prepared:	06/19/2009 1830			Injection Volume:	1.0 uL

Tentatively Identified Compounds **Number TIC's Found:** **8**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	11.24	820	T J
	Unknown	11.86	2000	T J
	Unknown	12.19	1100	T J
	Unknown	12.50	810	T J
	Unknown	14.39	1800	T J
	Unknown	14.45	3900	T J
	Unknown	14.58	6000	T J
	Unknown	15.53	610	T J

Client: Haley & Aldrich, Inc. Job Number: 460-2953-1

Client Sample ID: **EB-1: S1**

Lab Sample ID: 460-2953-4 Date Sampled: 06/18/2009 0945
Client Matrix: Solid % Moisture: 20.2 Date Received: 06/18/2009 1810

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-9890		Instrument ID:	BNAMS4
Preparation:	3541	Prep Batch: 460-9692		Lab File ID:	u53737.d
Dilution:	1.0			Initial Weight/Volume:	14.98 g
Date Analyzed:	06/22/2009 2215			Final Weight/Volume:	1 mL
Date Prepared:	06/19/2009 1830			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Bis(2-chloroethyl)ether		41	U	8.6	41
1,3-Dichlorobenzene		410	U	57	410
1,4-Dichlorobenzene		410	U	62	410
1,2-Dichlorobenzene		410	U	66	410
N-Nitrosodi-n-propylamine		41	U	5.5	41
Hexachloroethane		41	U	7.0	41
Nitrobenzene		41	U	9.3	41
Isophorone		410	U	48	410
Bis(2-chloroethoxy)methane		410	U	59	410
1,2,4-Trichlorobenzene		41	U	6.8	41
Naphthalene		410	U	61	410
4-Chloroaniline		410	U	52	410
Hexachlorobutadiene		84	U	17	84
2-Methylnaphthalene		410	U	61	410
Hexachlorocyclopentadiene		410	U	120	410
2-Chloronaphthalene		410	U	59	410
2-Nitroaniline		840	U	110	840
Dimethyl phthalate		410	U	56	410
Acenaphthylene		410	U	59	410
2,6-Dinitrotoluene		84	U	11	84
3-Nitroaniline		840	U	94	840
Acenaphthene		410	U	59	410
Dibenzofuran		410	U	62	410
2,4-Dinitrotoluene		84	U	12	84
Diethyl phthalate		410	U	56	410
4-Chlorophenyl phenyl ether		410	U	71	410
Fluorene		410	U	70	410
4-Nitroaniline		840	U	86	840
N-Nitrosodiphenylamine		410	U	68	410
4-Bromophenyl phenyl ether		410	U	74	410
Hexachlorobenzene		41	U	5.8	41
Phenanthrene		260	J	72	410
Anthracene		410	U	73	410
Carbazole		410	U	66	410
Di-n-butyl phthalate		410	U	63	410
Fluoranthene		450		69	410
Pyrene		520		72	410
Butyl benzyl phthalate		1100		48	410
3,3'-Dichlorobenzidine		840	U	92	840
Benzo[a]anthracene		270		7.7	41
Chrysene		470		60	410
Bis(2-ethylhexyl) phthalate		3500		55	410
Di-n-octyl phthalate		410	U	49	410
Benzo[b]fluoranthene		250		6.2	41
Benzo[k]fluoranthene		340		5.8	41
Benzo[a]pyrene		360		5.1	41

Client: Haley & Aldrich, Inc. Job Number: 460-2953-1

Client Sample ID: **EB-1: S1**

Lab Sample ID: 460-2953-4 Date Sampled: 06/18/2009 0945
Client Matrix: Solid % Moisture: 20.2 Date Received: 06/18/2009 1810

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-9890		Instrument ID:	BNAMS4
Preparation:	3541	Prep Batch: 460-9692		Lab File ID:	u53737.d
Dilution:	1.0			Initial Weight/Volume:	14.98 g
Date Analyzed:	06/22/2009 2215			Final Weight/Volume:	1 mL
Date Prepared:	06/19/2009 1830			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Indeno[1,2,3-cd]pyrene		240		6.6	41
Dibenz(a,h)anthracene		41	U	5.0	41
Benzo[g,h,i]perylene		310	J	44	410
bis (2-chloroisopropyl) ether		410	U	54	410

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	67		36 - 93
Nitrobenzene-d5	65		31 - 97
Terphenyl-d14	70		40 - 129

Client: Haley & Aldrich, Inc. Job Number: 460-2953-1

Client Sample ID: **EB-1: S1**

Lab Sample ID: 460-2953-4 Date Sampled: 06/18/2009 0945
Client Matrix: Solid % Moisture: 20.2 Date Received: 06/18/2009 1810

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-9890		Instrument ID:	BNAMS4
Preparation:	3541	Prep Batch: 460-9692		Lab File ID:	u53737.d
Dilution:	1.0			Initial Weight/Volume:	14.98 g
Date Analyzed:	06/22/2009 2215			Final Weight/Volume:	1 mL
Date Prepared:	06/19/2009 1830			Injection Volume:	1.0 uL

Tentatively Identified Compounds **Number TIC's Found:** **2**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown Alkane/Unknown	11.90	510	T J
	C20H12 PAH	12.76	360	T J

Client: Haley & Aldrich, Inc. Job Number: 460-2953-1

Client Sample ID: **EB-1: S4**

Lab Sample ID: 460-2953-5 Date Sampled: 06/18/2009 0953
Client Matrix: Solid % Moisture: 25.4 Date Received: 06/18/2009 1810

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-9890		Instrument ID:	BNAMS4
Preparation:	3541	Prep Batch: 460-9692		Lab File ID:	u53744.d
Dilution:	1.0			Initial Weight/Volume:	14.98 g
Date Analyzed:	06/23/2009 0042			Final Weight/Volume:	1 mL
Date Prepared:	06/19/2009 1830			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Bis(2-chloroethyl)ether		44	U	9.2	44
1,3-Dichlorobenzene		440	U	61	440
1,4-Dichlorobenzene		440	U	66	440
1,2-Dichlorobenzene		440	U	71	440
N-Nitrosodi-n-propylamine		44	U	5.9	44
Hexachloroethane		44	U	7.5	44
Nitrobenzene		44	U	9.9	44
Isophorone		440	U	51	440
Bis(2-chloroethoxy)methane		440	U	63	440
1,2,4-Trichlorobenzene		44	U	7.3	44
Naphthalene		94	J	65	440
4-Chloroaniline		440	U	56	440
Hexachlorobutadiene		90	U	18	90
2-Methylnaphthalene		440	U	65	440
Hexachlorocyclopentadiene		440	U	130	440
2-Chloronaphthalene		440	U	63	440
2-Nitroaniline		900	U	120	900
Dimethyl phthalate		440	U	60	440
Acenaphthylene		1000		63	440
2,6-Dinitrotoluene		90	U	11	90
3-Nitroaniline		900	U	100	900
Acenaphthene		440	U	63	440
Dibenzofuran		74	J	67	440
2,4-Dinitrotoluene		90	U	13	90
Diethyl phthalate		440	U	60	440
4-Chlorophenyl phenyl ether		440	U	76	440
Fluorene		110	J	75	440
4-Nitroaniline		900	U	92	900
N-Nitrosodiphenylamine		440	U	72	440
4-Bromophenyl phenyl ether		440	U	79	440
Hexachlorobenzene		44	U	6.2	44
Phenanthrene		2000		77	440
Anthracene		420	J	78	440
Carbazole		440	U	71	440
Di-n-butyl phthalate		440	U	68	440
Fluoranthene		2600		74	440
Pyrene		4500		77	440
Butyl benzyl phthalate		440	U	52	440
3,3'-Dichlorobenzidine		900	U	98	900
Benzo[a]anthracene		1400		8.2	44
Chrysene		1600		65	440
Bis(2-ethylhexyl) phthalate		440	U	59	440
Di-n-octyl phthalate		440	U	53	440
Benzo[b]fluoranthene		1300		6.6	44
Benzo[k]fluoranthene		1600		6.2	44
Benzo[a]pyrene		1600		5.5	44

Client: Haley & Aldrich, Inc. Job Number: 460-2953-1

Client Sample ID: **EB-1: S4**

Lab Sample ID: 460-2953-5 Date Sampled: 06/18/2009 0953
Client Matrix: Solid % Moisture: 25.4 Date Received: 06/18/2009 1810

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-9890		Instrument ID:	BNAMS4
Preparation:	3541	Prep Batch: 460-9692		Lab File ID:	u53744.d
Dilution:	1.0			Initial Weight/Volume:	14.98 g
Date Analyzed:	06/23/2009 0042			Final Weight/Volume:	1 mL
Date Prepared:	06/19/2009 1830			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Indeno[1,2,3-cd]pyrene		490		7.1	44
Dibenz(a,h)anthracene		44	U	5.3	44
Benzo[g,h,i]perylene		510		47	440
bis (2-chloroisopropyl) ether		440	U	58	440

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	63		36 - 93
Nitrobenzene-d5	69		31 - 97
Terphenyl-d14	75		40 - 129

Client: Haley & Aldrich, Inc. Job Number: 460-2953-1

Client Sample ID: **EB-1: S4**

Lab Sample ID: 460-2953-5 Date Sampled: 06/18/2009 0953
Client Matrix: Solid % Moisture: 25.4 Date Received: 06/18/2009 1810

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-9890		Instrument ID:	BNAMS4
Preparation:	3541	Prep Batch: 460-9692		Lab File ID:	u53744.d
Dilution:	1.0			Initial Weight/Volume:	14.98 g
Date Analyzed:	06/23/2009 0042			Final Weight/Volume:	1 mL
Date Prepared:	06/19/2009 1830			Injection Volume:	1.0 uL

Tentatively Identified Compounds **Number TIC's Found:** **12**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
100-42-5	Styrene	3.06	1100	T J N
	Unknown	5.14	770	T J
275-51-4	Azulene	5.39	1400	T J N
	Unknown	6.21	1600	T J
	Unknown	6.25	970	T J
	Unknown	6.86	420	T J
	Unknown	7.08	650	T J
	C15H10/C15H12 PAHs	9.43	680	T J
84-65-1	9,10-Anthracenedione	9.64	390	T J N
81-84-5	1,8-Naphthalic anhydride	9.93	420	T J N
	C17H12 PAH	10.57	400	T J
	C20H12 PAH	12.77	1000	T J

Client: Haley & Aldrich, Inc. Job Number: 460-2953-1

Client Sample ID: **B-110 S5**

Lab Sample ID: 460-2953-6 Date Sampled: 06/18/2009 0757
Client Matrix: Solid % Moisture: 25.3 Date Received: 06/18/2009 1810

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-10313		Instrument ID:	BNAMS4
Preparation:	3541	Prep Batch: 460-9692		Lab File ID:	u53795.d
Dilution:	5.0			Initial Weight/Volume:	15.01 g
Date Analyzed:	06/24/2009 2053			Final Weight/Volume:	1 mL
Date Prepared:	06/19/2009 1830			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Bis(2-chloroethyl)ether		220	U	46	220
1,3-Dichlorobenzene		2200	U	300	2200
1,4-Dichlorobenzene		2200	U	330	2200
1,2-Dichlorobenzene		2200	U	350	2200
N-Nitrosodi-n-propylamine		220	U	29	220
Hexachloroethane		220	U	37	220
Nitrobenzene		220	U	49	220
Isophorone		2200	U	250	2200
Bis(2-chloroethoxy)methane		2200	U	320	2200
1,2,4-Trichlorobenzene		220	U	36	220
Naphthalene		2200	U	320	2200
4-Chloroaniline		2200	U	280	2200
Hexachlorobutadiene		450	U	90	450
2-Methylnaphthalene		2200	U	320	2200
Hexachlorocyclopentadiene		2200	U	650	2200
2-Chloronaphthalene		2200	U	310	2200
2-Nitroaniline		4500	U	610	4500
Dimethyl phthalate		2200	U	300	2200
Acenaphthylene		3000		320	2200
2,6-Dinitrotoluene		450	U	56	450
3-Nitroaniline		4500	U	500	4500
Acenaphthene		13000		310	2200
Dibenzofuran		2200	U	330	2200
2,4-Dinitrotoluene		450	U	65	450
Diethyl phthalate		2200	U	300	2200
4-Chlorophenyl phenyl ether		2200	U	380	2200
Fluorene		6400		370	2200
4-Nitroaniline		4500	U	460	4500
N-Nitrosodiphenylamine		2200	U	360	2200
4-Bromophenyl phenyl ether		2200	U	390	2200
Hexachlorobenzene		220	U	31	220
Phenanthrene		32000		390	2200
Anthracene		9200		390	2200
Carbazole		2200	U	350	2200
Di-n-butyl phthalate		2200	U	340	2200
Fluoranthene		7200		370	2200
Pyrene		13000		380	2200
Butyl benzyl phthalate		2200	U	260	2200
3,3'-Dichlorobenzidine		4500	U	490	4500
Benzo[a]anthracene		3800		41	220
Chrysene		3400		320	2200
Bis(2-ethylhexyl) phthalate		2200	U	290	2200
Di-n-octyl phthalate		2200	U	260	2200
Benzo[b]fluoranthene		770		33	220
Benzo[k]fluoranthene		1200		31	220
Benzo[a]pyrene		2300		27	220

Client: Haley & Aldrich, Inc. Job Number: 460-2953-1

Client Sample ID: **B-110 S5**

Lab Sample ID: 460-2953-6 Date Sampled: 06/18/2009 0757
Client Matrix: Solid % Moisture: 25.3 Date Received: 06/18/2009 1810

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-10313		Instrument ID:	BNAMS4
Preparation:	3541	Prep Batch: 460-9692		Lab File ID:	u53795.d
Dilution:	5.0			Initial Weight/Volume:	15.01 g
Date Analyzed:	06/24/2009 2053			Final Weight/Volume:	1 mL
Date Prepared:	06/19/2009 1830			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Indeno[1,2,3-cd]pyrene		490		35	220
Dibenz(a,h)anthracene		220	U	27	220
Benzo[g,h,i]perylene		530	J	230	2200
bis (2-chloroisopropyl) ether		2200	U	290	2200

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	70		36 - 93
Nitrobenzene-d5	69		31 - 97
Terphenyl-d14	57		40 - 129

Client: Haley & Aldrich, Inc. Job Number: 460-2953-1

Client Sample ID: **B-110 S5**

Lab Sample ID: 460-2953-6 Date Sampled: 06/18/2009 0757
Client Matrix: Solid % Moisture: 25.3 Date Received: 06/18/2009 1810

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-10313		Instrument ID:	BNAMS4
Preparation:	3541	Prep Batch: 460-9692		Lab File ID:	u53795.d
Dilution:	5.0			Initial Weight/Volume:	15.01 g
Date Analyzed:	06/24/2009 2053			Final Weight/Volume:	1 mL
Date Prepared:	06/19/2009 1830			Injection Volume:	1.0 uL

Tentatively Identified Compounds **Number TIC's Found:** **15**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
90-12-0	1-Methylnaphthalene	6.33	8500	
	Dimethylnaphthalene isomer	6.86	10000	T J
	Dimethylnaphthalene isomer	6.94	13000	T J
	Unknown	6.96	6500	T J
	Trimethylnaphthalene isomer	7.60	7200	T J
	Trimethylnaphthalene isomer	7.68	5300	T J
	Unknown	7.87	3700	T J
	Unknown	7.94	5200	T J
	Unknown	8.39	5000	T J
	Unknown	8.44	3700	T J
	C15H12 PAH	9.23	6800	T J
	C15H12 PAH	9.26	7800	T J
	C15H12 PAH	9.29	3600	T J
	C15H10/C15H12 PAHs	9.35	11000	T J
	Unknown	9.37	6100	T J

Client: Haley & Aldrich, Inc. Job Number: 460-2953-1

Client Sample ID: **EB-2: S1**

Lab Sample ID: 460-2953-1 Date Sampled: 06/17/2009 1435
Client Matrix: Solid % Moisture: 12.3 Date Received: 06/18/2009 1810

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 460-9973		Instrument ID:	PESTGC1
Preparation:	3541	Prep Batch: 460-9599		Initial Weight/Volume:	15.00 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	06/22/2009 1157			Injection Volume:	1.0 uL
Date Prepared:	06/19/2009 0710			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aldrin		7.6	U	1.7	7.6
alpha-BHC		7.6	U	1.4	7.6
beta-BHC		7.6	U	1.0	7.6
delta-BHC		7.6	U	1.2	7.6
gamma-BHC (Lindane)		7.6	U	0.89	7.6
Chlordane		76	U	17	76
4,4'-DDD		3.4	J	0.91	7.6
4,4'-DDE		2.8	J	1.5	7.6
4,4'-DDT		19		0.96	7.6
Dieldrin		3.5	J	1.5	7.6
Endosulfan I		7.6	U	1.6	7.6
Endosulfan II		7.6	U	1.2	7.6
Endosulfan sulfate		12		0.98	7.6
Endrin		4.9	J	1.1	7.6
Endrin aldehyde		9.8		1.9	7.6
Endrin ketone		17		1.1	7.6
Heptachlor		7.6	U	1.1	7.6
Heptachlor epoxide		7.6	U	1.5	7.6
Methoxychlor		7.6	U	0.86	7.6
Toxaphene		76	U	16	76

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	68		26 - 126
DCB Decachlorobiphenyl	125		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-2953-1

Client Sample ID: **EB-2: S1**

Lab Sample ID: 460-2953-1 Date Sampled: 06/17/2009 1435
Client Matrix: Solid % Moisture: 12.3 Date Received: 06/18/2009 1810

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 460-9973	Instrument ID:	PESTGC1
Preparation:	3541	Prep Batch: 460-9599	Initial Weight/Volume:	15.00 g
Dilution:	1.0		Final Weight/Volume:	10 mL
Date Analyzed:	06/22/2009 1157		Injection Volume:	1.0 uL
Date Prepared:	06/19/2009 0710		Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	189	X	26 - 126
DCB Decachlorobiphenyl	425	E X	48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-2953-1

Client Sample ID: **EB-2: S1A**

Lab Sample ID: 460-2953-2 Date Sampled: 06/17/2009 1435
Client Matrix: Solid % Moisture: 14.6 Date Received: 06/18/2009 1810

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 460-9973		Instrument ID:	PESTGC1
Preparation:	3541	Prep Batch: 460-9599		Initial Weight/Volume:	15.02 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	06/22/2009 1211			Injection Volume:	1.0 uL
Date Prepared:	06/19/2009 0710			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aldrin		7.8	U	1.7	7.8
alpha-BHC		7.8	U	1.4	7.8
beta-BHC		7.8	U	1.1	7.8
delta-BHC		7.8	U	1.2	7.8
gamma-BHC (Lindane)		7.8	U	0.91	7.8
Chlordane		78	U	17	78
4,4'-DDD		9.3		0.94	7.8
4,4'-DDE		7.8	U	1.5	7.8
4,4'-DDT		16		0.98	7.8
Dieldrin		6.8	J	1.5	7.8
Endosulfan I		7.8	U	1.6	7.8
Endosulfan II		7.8	U	1.2	7.8
Endosulfan sulfate		5.3	J	1.0	7.8
Endrin		1.6	J	1.1	7.8
Endrin aldehyde		10		2.0	7.8
Endrin ketone		3.6	J	1.2	7.8
Heptachlor		7.8	U	1.1	7.8
Heptachlor epoxide		7.8	U	1.6	7.8
Methoxychlor		7.8	U	0.88	7.8
Toxaphene		78	U	16	78

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	84		26 - 126
DCB Decachlorobiphenyl	88		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-2953-1

Client Sample ID: **EB-2: S1A**

Lab Sample ID: 460-2953-2 Date Sampled: 06/17/2009 1435
Client Matrix: Solid % Moisture: 14.6 Date Received: 06/18/2009 1810

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 460-9973	Instrument ID:	PESTGC1
Preparation:	3541	Prep Batch: 460-9599	Initial Weight/Volume:	15.02 g
Dilution:	1.0		Final Weight/Volume:	10 mL
Date Analyzed:	06/22/2009 1211		Injection Volume:	1.0 uL
Date Prepared:	06/19/2009 0710		Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	70		26 - 126
DCB Decachlorobiphenyl	205	X	48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-2953-1

Client Sample ID: **EB-2: S7**

Lab Sample ID: 460-2953-3 Date Sampled: 06/18/2009 0647
Client Matrix: Solid % Moisture: 51.5 Date Received: 06/18/2009 1810

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 460-9973		Instrument ID:	PESTGC1
Preparation:	3541	Prep Batch: 460-9599		Initial Weight/Volume:	15.01 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	06/22/2009 1256			Injection Volume:	1.0 uL
Date Prepared:	06/19/2009 0710			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aldrin		14	U	3.0	14
alpha-BHC		14	U	2.6	14
beta-BHC		14	U	1.9	14
delta-BHC		14	U	2.1	14
gamma-BHC (Lindane)		14	U	1.6	14
Chlordane		140	U	30	140
4,4'-DDD		14	U	1.6	14
4,4'-DDE		14	U	2.7	14
4,4'-DDT		3.1	J	1.7	14
Dieldrin		14	U	2.7	14
Endosulfan I		14	U	2.9	14
Endosulfan II		14	U	2.1	14
Endosulfan sulfate		14	U	1.8	14
Endrin		14	U	1.9	14
Endrin aldehyde		6.7	J	3.4	14
Endrin ketone		14	U	2.0	14
Heptachlor		14	U	2.0	14
Heptachlor epoxide		14	U	2.8	14
Methoxychlor		14	U	1.5	14
Toxaphene		140	U	29	140

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	86		26 - 126
DCB Decachlorobiphenyl	129		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-2953-1

Client Sample ID: **EB-2: S7**

Lab Sample ID: 460-2953-3 Date Sampled: 06/18/2009 0647
Client Matrix: Solid % Moisture: 51.5 Date Received: 06/18/2009 1810

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 460-9973	Instrument ID:	PESTGC1
Preparation:	3541	Prep Batch: 460-9599	Initial Weight/Volume:	15.01 g
Dilution:	1.0		Final Weight/Volume:	10 mL
Date Analyzed:	06/22/2009 1256		Injection Volume:	1.0 uL
Date Prepared:	06/19/2009 0710		Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	82		26 - 126
DCB Decachlorobiphenyl	105		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-2953-1

Client Sample ID: **EB-1: S1**

Lab Sample ID: 460-2953-4 Date Sampled: 06/18/2009 0945
Client Matrix: Solid % Moisture: 20.2 Date Received: 06/18/2009 1810

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 460-9973		Instrument ID:	PESTGC1
Preparation:	3541	Prep Batch: 460-9599		Initial Weight/Volume:	15.00 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	06/22/2009 1310			Injection Volume:	1.0 uL
Date Prepared:	06/19/2009 0710			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aldrin		8.4	U	1.8	8.4
alpha-BHC		8.4	U	1.6	8.4
beta-BHC		8.4	U	1.1	8.4
delta-BHC		8.4	U	1.3	8.4
gamma-BHC (Lindane)		8.4	U	0.98	8.4
Chlordane		84	U	18	84
4,4'-DDD		5.0	J	1.0	8.4
4,4'-DDE		4.8	J	1.6	8.4
4,4'-DDT		24		1.1	8.4
Dieldrin		58		1.6	8.4
Endosulfan I		8.4	U	1.8	8.4
Endosulfan II		8.4	U	1.3	8.4
Endosulfan sulfate		8.4	U	1.1	8.4
Endrin		8.4	U	1.2	8.4
Endrin aldehyde		99		2.1	8.4
Endrin ketone		8.4	U	1.2	8.4
Heptachlor		8.4	U	1.2	8.4
Heptachlor epoxide		8.4	U	1.7	8.4
Methoxychlor		8.4	U	0.94	8.4
Toxaphene		84	U	18	84

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	57		26 - 126
DCB Decachlorobiphenyl	83		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-2953-1

Client Sample ID: **EB-1: S1**

Lab Sample ID: 460-2953-4 Date Sampled: 06/18/2009 0945
Client Matrix: Solid % Moisture: 20.2 Date Received: 06/18/2009 1810

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 460-9973	Instrument ID:	PESTGC1
Preparation:	3541	Prep Batch: 460-9599	Initial Weight/Volume:	15.00 g
Dilution:	1.0		Final Weight/Volume:	10 mL
Date Analyzed:	06/22/2009 1310		Injection Volume:	1.0 uL
Date Prepared:	06/19/2009 0710		Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	49		26 - 126
DCB Decachlorobiphenyl	61		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-2953-1

Client Sample ID: **EB-1: S4**

Lab Sample ID: 460-2953-5 Date Sampled: 06/18/2009 0953
Client Matrix: Solid % Moisture: 25.4 Date Received: 06/18/2009 1810

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 460-9973		Instrument ID:	PESTGC1
Preparation:	3541	Prep Batch: 460-9599		Initial Weight/Volume:	15.02 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	06/22/2009 1324			Injection Volume:	1.0 uL
Date Prepared:	06/19/2009 0710			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aldrin		9.0	U	2.0	9.0
alpha-BHC		3.7	J	1.7	9.0
beta-BHC		9.0	U	1.2	9.0
delta-BHC		9.0	U	1.4	9.0
gamma-BHC (Lindane)		1.8	J	1.0	9.0
Chlordane		90	U	19	90
4,4'-DDD		17		1.1	9.0
4,4'-DDE		9.0	U	1.7	9.0
4,4'-DDT		7.0	J	1.1	9.0
Dieldrin		9.0	U	1.7	9.0
Endosulfan I		9.0	U	1.9	9.0
Endosulfan II		1.8	J	1.4	9.0
Endosulfan sulfate		3.2	J	1.2	9.0
Endrin		2.8	J	1.3	9.0
Endrin aldehyde		2.9	J	2.2	9.0
Endrin ketone		5.9	J	1.3	9.0
Heptachlor		9.0	U	1.3	9.0
Heptachlor epoxide		9.0	U	1.8	9.0
Methoxychlor		2.0	J	1.0	9.0
Toxaphene		90	U	19	90

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	87		26 - 126
DCB Decachlorobiphenyl	129		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-2953-1

Client Sample ID: **EB-1: S4**

Lab Sample ID: 460-2953-5 Date Sampled: 06/18/2009 0953
Client Matrix: Solid % Moisture: 25.4 Date Received: 06/18/2009 1810

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 460-9973	Instrument ID:	PESTGC1
Preparation:	3541	Prep Batch: 460-9599	Initial Weight/Volume:	15.02 g
Dilution:	1.0		Final Weight/Volume:	10 mL
Date Analyzed:	06/22/2009 1324		Injection Volume:	1.0 uL
Date Prepared:	06/19/2009 0710		Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	67		26 - 126
DCB Decachlorobiphenyl	97		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-2953-1

Client Sample ID: **B-110 S5**

Lab Sample ID: 460-2953-6 Date Sampled: 06/18/2009 0757
Client Matrix: Solid % Moisture: 25.3 Date Received: 06/18/2009 1810

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 460-9973		Instrument ID:	PESTGC1
Preparation:	3541	Prep Batch: 460-9599		Initial Weight/Volume:	15.05 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	06/22/2009 1338			Injection Volume:	1.0 uL
Date Prepared:	06/19/2009 0710			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aldrin		8.9	U	2.0	8.9
alpha-BHC		8.9	U	1.7	8.9
beta-BHC		3.8	J	1.2	8.9
delta-BHC		2.1	J	1.4	8.9
gamma-BHC (Lindane)		8.9	U	1.0	8.9
Chlordane		89	U	19	89
4,4'-DDD		8.9	U	1.1	8.9
4,4'-DDE		8.9	U	1.7	8.9
4,4'-DDT		18		1.1	8.9
Dieldrin		8.9	U	1.7	8.9
Endosulfan I		8.9	U	1.9	8.9
Endosulfan II		1.4	J	1.3	8.9
Endosulfan sulfate		2.8	J	1.1	8.9
Endrin		8.9	U	1.3	8.9
Endrin aldehyde		8.2	J	2.2	8.9
Endrin ketone		5.0	J	1.3	8.9
Heptachlor		8.9	U	1.3	8.9
Heptachlor epoxide		8.9	U	1.8	8.9
Methoxychlor		14		1.0	8.9
Toxaphene		89	U	19	89

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	63		26 - 126
DCB Decachlorobiphenyl	54		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-2953-1

Client Sample ID: **B-110 S5**

Lab Sample ID: 460-2953-6 Date Sampled: 06/18/2009 0757
Client Matrix: Solid % Moisture: 25.3 Date Received: 06/18/2009 1810

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 460-9973	Instrument ID:	PESTGC1
Preparation:	3541	Prep Batch: 460-9599	Initial Weight/Volume:	15.05 g
Dilution:	1.0		Final Weight/Volume:	10 mL
Date Analyzed:	06/22/2009 1338		Injection Volume:	1.0 uL
Date Prepared:	06/19/2009 0710		Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	58		26 - 126
DCB Decachlorobiphenyl	108		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-2953-1

Client Sample ID: **EB-2: S1**

Lab Sample ID: 460-2953-1 Date Sampled: 06/17/2009 1435
Client Matrix: Solid % Moisture: 12.3 Date Received: 06/18/2009 1810

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 460-9719		Instrument ID:	PESTGC8
Preparation:	3541	Prep Batch: 460-9597		Initial Weight/Volume:	15.03 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	06/19/2009 1950			Injection Volume:	1.0 uL
Date Prepared:	06/19/2009 0701			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		76	U	15	76
Aroclor 1221		76	U	23	76
Aroclor 1232		76	U	43	76
Aroclor 1242		76	U	14	76
Aroclor 1248		76	U	20	76
Aroclor 1254		76	U	26	76
Aroclor 1260		76	U	8.5	76
Aroclor 1262		76	U	13	76
Aroclor 1268		76	U	13	76

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	148		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-2953-1

Client Sample ID: **EB-2: S1**

Lab Sample ID: 460-2953-1 Date Sampled: 06/17/2009 1435
Client Matrix: Solid % Moisture: 12.3 Date Received: 06/18/2009 1810

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 460-9719		Instrument ID:	PESTGC8
Preparation:	3541	Prep Batch: 460-9597		Initial Weight/Volume:	15.03 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	06/19/2009 1950			Injection Volume:	1.0 uL
Date Prepared:	06/19/2009 0701			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	110		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-2953-1

Client Sample ID: **EB-2: S1A**

Lab Sample ID: 460-2953-2 Date Sampled: 06/17/2009 1435
Client Matrix: Solid % Moisture: 14.6 Date Received: 06/18/2009 1810

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 460-9719		Instrument ID:	PESTGC8
Preparation:	3541	Prep Batch: 460-9597		Initial Weight/Volume:	15.02 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	06/19/2009 1934			Injection Volume:	1.0 uL
Date Prepared:	06/19/2009 0701			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		78	U	15	78
Aroclor 1221		78	U	24	78
Aroclor 1232		78	U	44	78
Aroclor 1242		78	U	15	78
Aroclor 1248		78	U	21	78
Aroclor 1254		78	U	27	78
Aroclor 1260		78	U	8.7	78
Aroclor 1262		78	U	13	78
Aroclor 1268		78	U	13	78

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	113		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-2953-1

Client Sample ID: **EB-2: S1A**

Lab Sample ID: 460-2953-2 Date Sampled: 06/17/2009 1435
Client Matrix: Solid % Moisture: 14.6 Date Received: 06/18/2009 1810

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 460-9719		Instrument ID:	PESTGC8
Preparation:	3541	Prep Batch: 460-9597		Initial Weight/Volume:	15.02 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	06/19/2009 1934			Injection Volume:	1.0 uL
Date Prepared:	06/19/2009 0701			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	110		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-2953-1

Client Sample ID: **EB-2: S7**

Lab Sample ID: 460-2953-3 Date Sampled: 06/18/2009 0647
Client Matrix: Solid % Moisture: 51.5 Date Received: 06/18/2009 1810

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 460-9719		Instrument ID:	PESTGC8
Preparation:	3541	Prep Batch: 460-9597		Initial Weight/Volume:	15.04 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	06/19/2009 1920			Injection Volume:	1.0 uL
Date Prepared:	06/19/2009 0701			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		140	U	26	140
Aroclor 1221		140	U	42	140
Aroclor 1232		140	U	78	140
Aroclor 1242		140	U	26	140
Aroclor 1248		140	U	37	140
Aroclor 1254		140	U	47	140
Aroclor 1260		140	U	15	140
Aroclor 1262		140	U	24	140
Aroclor 1268		140	U	24	140

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	82		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-2953-1

Client Sample ID: **EB-2: S7**

Lab Sample ID: 460-2953-3 Date Sampled: 06/18/2009 0647
Client Matrix: Solid % Moisture: 51.5 Date Received: 06/18/2009 1810

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 460-9719		Instrument ID:	PESTGC8
Preparation:	3541	Prep Batch: 460-9597		Initial Weight/Volume:	15.04 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	06/19/2009 1920			Injection Volume:	1.0 uL
Date Prepared:	06/19/2009 0701			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	81		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-2953-1

Client Sample ID: **EB-1: S1**

Lab Sample ID: 460-2953-4 Date Sampled: 06/18/2009 0945
Client Matrix: Solid % Moisture: 20.2 Date Received: 06/18/2009 1810

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 460-9719		Instrument ID:	PESTGC8
Preparation:	3541	Prep Batch: 460-9597		Initial Weight/Volume:	15.03 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	06/19/2009 1903			Injection Volume:	1.0 uL
Date Prepared:	06/19/2009 0701			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		84	U	16	84
Aroclor 1221		84	U	25	84
Aroclor 1232		84	U	48	84
Aroclor 1242		84	U	16	84
Aroclor 1248		84	U	22	84
Aroclor 1254		84	U	29	84
Aroclor 1260		84	U	9.4	84
Aroclor 1262		84	U	14	84
Aroclor 1268		84	U	14	84

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	80		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-2953-1

Client Sample ID: **EB-1: S1**

Lab Sample ID: 460-2953-4 Date Sampled: 06/18/2009 0945
Client Matrix: Solid % Moisture: 20.2 Date Received: 06/18/2009 1810

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 460-9719		Instrument ID:	PESTGC8
Preparation:	3541	Prep Batch: 460-9597		Initial Weight/Volume:	15.03 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	06/19/2009 1903			Injection Volume:	1.0 uL
Date Prepared:	06/19/2009 0701			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	61		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-2953-1

Client Sample ID: **EB-1: S4**

Lab Sample ID: 460-2953-5 Date Sampled: 06/18/2009 0953
Client Matrix: Solid % Moisture: 25.4 Date Received: 06/18/2009 1810

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 460-9719		Instrument ID:	PESTGC8
Preparation:	3541	Prep Batch: 460-9597		Initial Weight/Volume:	15.02 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	06/19/2009 1849			Injection Volume:	1.0 uL
Date Prepared:	06/19/2009 0701			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		90	U	17	90
Aroclor 1221		90	U	27	90
Aroclor 1232		90	U	51	90
Aroclor 1242		90	U	17	90
Aroclor 1248		90	U	24	90
Aroclor 1254		90	U	31	90
Aroclor 1260		90	U	10	90
Aroclor 1262		90	U	15	90
Aroclor 1268		90	U	15	90

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	113		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-2953-1

Client Sample ID: **EB-1: S4**

Lab Sample ID: 460-2953-5 Date Sampled: 06/18/2009 0953
Client Matrix: Solid % Moisture: 25.4 Date Received: 06/18/2009 1810

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 460-9719		Instrument ID:	PESTGC8
Preparation:	3541	Prep Batch: 460-9597		Initial Weight/Volume:	15.02 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	06/19/2009 1849			Injection Volume:	1.0 uL
Date Prepared:	06/19/2009 0701			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	95		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-2953-1

Client Sample ID: **B-110 S5**

Lab Sample ID: 460-2953-6 Date Sampled: 06/18/2009 0757
Client Matrix: Solid % Moisture: 25.3 Date Received: 06/18/2009 1810

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 460-9719		Instrument ID:	PESTGC8
Preparation:	3541	Prep Batch: 460-9597		Initial Weight/Volume:	15.00 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	06/19/2009 1835			Injection Volume:	1.0 uL
Date Prepared:	06/19/2009 0701			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		90	U	17	90
Aroclor 1221		90	U	27	90
Aroclor 1232		90	U	51	90
Aroclor 1242		90	U	17	90
Aroclor 1248		90	U	24	90
Aroclor 1254		90	U	31	90
Aroclor 1260		90	U	10	90
Aroclor 1262		90	U	15	90
Aroclor 1268		90	U	15	90

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	100		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-2953-1

Client Sample ID: **B-110 S5**

Lab Sample ID: 460-2953-6 Date Sampled: 06/18/2009 0757
Client Matrix: Solid % Moisture: 25.3 Date Received: 06/18/2009 1810

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 460-9719		Instrument ID:	PESTGC8
Preparation:	3541	Prep Batch: 460-9597		Initial Weight/Volume:	15.00 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	06/19/2009 1835			Injection Volume:	1.0 uL
Date Prepared:	06/19/2009 0701			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	79		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-2953-1

Client Sample ID: **EB-2: S1**

Lab Sample ID: 460-2953-1 Date Sampled: 06/17/2009 1435
Client Matrix: Solid % Moisture: 12.3 Date Received: 06/18/2009 1810

NJ-OQA-QAM-025 New Jersey - Total petroleum Hydrocarbons (GC)

Method:	NJ-OQA-QAM-025	Analysis Batch: 460-10017	Instrument ID:	BNAGC1
Preparation:	3541	Prep Batch: 460-9820	Lab File ID:	gcr33594.d
Dilution:	1.0		Initial Weight/Volume:	15.01 g
Date Analyzed:	06/24/2009 1659		Final Weight/Volume:	1 mL
Date Prepared:	06/22/2009 1734		Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL	RL
Total Petroleum Hydrocarbons (C8-C40)		46		6.3	6.3

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	80		46 - 124
Chlorobenzene	60		19 - 98

Client: Haley & Aldrich, Inc. Job Number: 460-2953-1

Client Sample ID: **EB-2: S1A**

Lab Sample ID: 460-2953-2 Date Sampled: 06/17/2009 1435
Client Matrix: Solid % Moisture: 14.6 Date Received: 06/18/2009 1810

NJ-OQA-QAM-025 New Jersey - Total petroleum Hydrocarbons (GC)

Method:	NJ-OQA-QAM-025	Analysis Batch: 460-10017		Instrument ID:	BNAGC1
Preparation:	3541	Prep Batch: 460-9820		Lab File ID:	gcr33593.d
Dilution:	1.0			Initial Weight/Volume:	15.00 g
Date Analyzed:	06/24/2009 1644			Final Weight/Volume:	1 mL
Date Prepared:	06/22/2009 1734			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL	RL
Total Petroleum Hydrocarbons (C8-C40)		64		6.4	6.4

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	69		46 - 124
Chlorobenzene	56		19 - 98

Client: Haley & Aldrich, Inc. Job Number: 460-2953-1

Client Sample ID: **EB-2: S7**

Lab Sample ID: 460-2953-3 Date Sampled: 06/18/2009 0647
Client Matrix: Solid % Moisture: 51.5 Date Received: 06/18/2009 1810

NJ-OQA-QAM-025 New Jersey - Total petroleum Hydrocarbons (GC)

Method:	NJ-OQA-QAM-025	Analysis Batch: 460-10017	Instrument ID:	BNAGC1
Preparation:	3541	Prep Batch: 460-9820	Lab File ID:	gcr33590.d
Dilution:	1.0		Initial Weight/Volume:	15.00 g
Date Analyzed:	06/24/2009 1607		Final Weight/Volume:	1 mL
Date Prepared:	06/22/2009 1734		Injection Volume:	1 uL

Analyte DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL	RL
Total Petroleum Hydrocarbons (C8-C40)	11	U	11	11

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	70		46 - 124
Chlorobenzene	58		19 - 98

Client: Haley & Aldrich, Inc. Job Number: 460-2953-1

Client Sample ID: **EB-1: S1**

Lab Sample ID: 460-2953-4 Date Sampled: 06/18/2009 0945
Client Matrix: Solid % Moisture: 20.2 Date Received: 06/18/2009 1810

NJ-OQA-QAM-025 New Jersey - Total petroleum Hydrocarbons (GC)

Method:	NJ-OQA-QAM-025	Analysis Batch: 460-10017	Instrument ID:	BNAGC1
Preparation:	3541	Prep Batch: 460-9820	Lab File ID:	gcr33591.d
Dilution:	1.0		Initial Weight/Volume:	14.98 g
Date Analyzed:	06/24/2009 1615		Final Weight/Volume:	1 mL
Date Prepared:	06/22/2009 1734		Injection Volume:	1 uL

Analyte DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL	RL
Total Petroleum Hydrocarbons (C8-C40)	9.1		6.9	6.9

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	76		46 - 124
Chlorobenzene	54		19 - 98

Client: Haley & Aldrich, Inc. Job Number: 460-2953-1

Client Sample ID: **EB-1: S4**

Lab Sample ID: 460-2953-5 Date Sampled: 06/18/2009 0953
Client Matrix: Solid % Moisture: 25.4 Date Received: 06/18/2009 1810

NJ-OQA-QAM-025 New Jersey - Total petroleum Hydrocarbons (GC)

Method:	NJ-OQA-QAM-025	Analysis Batch: 460-10017	Instrument ID:	BNAGC1
Preparation:	3541	Prep Batch: 460-9820	Lab File ID:	gcr33592.d
Dilution:	1.0		Initial Weight/Volume:	15.02 g
Date Analyzed:	06/24/2009 1630		Final Weight/Volume:	1 mL
Date Prepared:	06/22/2009 1734		Injection Volume:	1 uL

Analyte DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL	RL
Total Petroleum Hydrocarbons (C8-C40)	110		7.4	7.4

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	80		46 - 124
Chlorobenzene	29		19 - 98

Client: Haley & Aldrich, Inc. Job Number: 460-2953-1

Client Sample ID: **B-110 S5**

Lab Sample ID: 460-2953-6 Date Sampled: 06/18/2009 0757
Client Matrix: Solid % Moisture: 25.3 Date Received: 06/18/2009 1810

NJ-OQA-QAM-025 New Jersey - Total petroleum Hydrocarbons (GC)

Method:	NJ-OQA-QAM-025	Analysis Batch: 460-10193		Instrument ID:	BNAGC1
Preparation:	3541	Prep Batch: 460-9820		Lab File ID:	gcr33692.d
Dilution:	5.0			Initial Weight/Volume:	15.03 g
Date Analyzed:	06/25/2009 1752	Run Type:	DL	Final Weight/Volume:	1 mL
Date Prepared:	06/22/2009 1734			Injection Volume:	1 uL

Analyte DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL	RL
Total Petroleum Hydrocarbons (C8-C40)	710		37	37

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	87		46 - 124
Chlorobenzene	53		19 - 98

Client: Haley & Aldrich, Inc. Job Number: 460-2953-1

Client Sample ID: **EB-2: S1**

Lab Sample ID: 460-2953-1 Date Sampled: 06/17/2009 1435
Client Matrix: Solid % Moisture: 12.3 Date Received: 06/18/2009 1810

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 460-9866		Instrument ID:	ICP2
Preparation:	3050B	Prep Batch: 460-9675		Lab File ID:	9675V1
Dilution:	4.0			Initial Weight/Volume:	1.04 g
Date Analyzed:	06/22/2009 1656			Final Weight/Volume:	50 mL
Date Prepared:	06/19/2009 1611				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		10900		16.1	43.8
Antimony		2.2	U	0.96	2.2
Arsenic		6.7		0.76	1.1
Barium		210		1.3	43.8
Beryllium		0.70		0.19	0.44
Cadmium		0.35	J	0.17	1.1
Calcium		7000		28.8	1100
Chromium		20.9		1.3	2.2
Cobalt		7.0	J	1.3	11.0
Copper		34.7		0.89	5.5
Iron		20700		11.6	32.9
Lead		730	B	0.55	1.1
Magnesium		3630		11.6	1100
Manganese		333		1.2	3.3
Nickel		17.1		0.59	8.8
Potassium		834	J	49.5	1100
Selenium		2.2	U	1.0	2.2
Silver		2.2	U	0.17	2.2
Sodium		227	J	67.3	1100
Thallium		2.2	U	1.1	2.2
Vanadium		27.4		0.57	11.0
Zinc		385		1.1	6.6

7471A Mercury (CVAA)

Method:	7471A	Analysis Batch: 460-9666		Instrument ID:	LEEMAN3
Preparation:	7471A	Prep Batch: 460-9623		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	0.67 g
Date Analyzed:	06/19/2009 1408			Final Weight/Volume:	100 mL
Date Prepared:	06/19/2009 0945				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.67		0.027	0.034

Client: Haley & Aldrich, Inc. Job Number: 460-2953-1

Client Sample ID: **EB-2: S1A**

Lab Sample ID: 460-2953-2 Date Sampled: 06/17/2009 1435
Client Matrix: Solid % Moisture: 14.6 Date Received: 06/18/2009 1810

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 460-9866		Instrument ID:	ICP2
Preparation:	3050B	Prep Batch: 460-9675		Lab File ID:	9675V1
Dilution:	4.0			Initial Weight/Volume:	1.03 g
Date Analyzed:	06/22/2009 1702			Final Weight/Volume:	50 mL
Date Prepared:	06/19/2009 1611				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		12700		16.7	45.5
Antimony		2.3	U	1.0	2.3
Arsenic		5.9		0.79	1.1
Barium		102		1.4	45.5
Beryllium		0.65		0.20	0.45
Cadmium		0.26	J	0.18	1.1
Calcium		4130		29.9	1140
Chromium		21.0		1.4	2.3
Cobalt		7.8	J	1.4	11.4
Copper		28.6		0.93	5.7
Iron		23600		12.1	34.1
Lead		227	B	0.57	1.1
Magnesium		3820		12.0	1140
Manganese		346		1.3	3.4
Nickel		17.7		0.61	9.1
Potassium		915	J	51.3	1140
Selenium		2.3	U	1.1	2.3
Silver		2.3	U	0.17	2.3
Sodium		293	J	69.8	1140
Thallium		2.3	U	1.1	2.3
Vanadium		26.2		0.59	11.4
Zinc		230		1.1	6.8

7471A Mercury (CVAA)

Method:	7471A	Analysis Batch: 460-9666		Instrument ID:	LEEMAN3
Preparation:	7471A	Prep Batch: 460-9623		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	0.68 g
Date Analyzed:	06/19/2009 1410			Final Weight/Volume:	100 mL
Date Prepared:	06/19/2009 0945				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.45		0.027	0.034

Client: Haley & Aldrich, Inc. Job Number: 460-2953-1

Client Sample ID: **EB-2: S7**

Lab Sample ID: 460-2953-3 Date Sampled: 06/18/2009 0647
Client Matrix: Solid % Moisture: 51.5 Date Received: 06/18/2009 1810

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 460-9866		Instrument ID:	ICP2
Preparation:	3050B	Prep Batch: 460-9675		Lab File ID:	9675V1
Dilution:	4.0			Initial Weight/Volume:	1.00 g
Date Analyzed:	06/22/2009 1708			Final Weight/Volume:	50 mL
Date Prepared:	06/19/2009 1611				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		6250		30.2	82.4
Antimony		4.1	U	1.8	4.1
Arsenic		4.1		1.4	2.1
Barium		28.4	J	2.5	82.4
Beryllium		0.56	J	0.36	0.82
Cadmium		2.1	U	0.32	2.1
Calcium		15500		54.2	2060
Chromium		14.3		2.4	4.1
Cobalt		2.8	J	2.5	20.6
Copper		13.6		1.7	10.3
Iron		13300		21.9	61.8
Lead		48.1	B	1.0	2.1
Magnesium		3350		21.8	2060
Manganese		78.1		2.3	6.2
Nickel		9.3	J	1.1	16.5
Potassium		977	J	93.0	2060
Selenium		1.9	J	1.9	4.1
Silver		4.1	U	0.31	4.1
Sodium		2550		127	2060
Thallium		4.1	U	2.0	4.1
Vanadium		18.0	J	1.1	20.6
Zinc		37.7		2.0	12.4

7471A Mercury (CVAA)

Method:	7471A	Analysis Batch: 460-9666		Instrument ID:	LEEMAN3
Preparation:	7471A	Prep Batch: 460-9623		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	0.60 g
Date Analyzed:	06/19/2009 1412			Final Weight/Volume:	100 mL
Date Prepared:	06/19/2009 0945				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.084		0.054	0.068

Client: Haley & Aldrich, Inc. Job Number: 460-2953-1

Client Sample ID: **EB-1: S1**

Lab Sample ID: 460-2953-4 Date Sampled: 06/18/2009 0945
Client Matrix: Solid % Moisture: 20.2 Date Received: 06/18/2009 1810

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 460-9866		Instrument ID:	ICP2
Preparation:	3050B	Prep Batch: 460-9675		Lab File ID:	9675V1
Dilution:	4.0			Initial Weight/Volume:	1.02 g
Date Analyzed:	06/22/2009 1714			Final Weight/Volume:	50 mL
Date Prepared:	06/19/2009 1611				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		2700		18.0	49.1
Antimony		2.5	U	1.1	2.5
Arsenic		13.6		0.85	1.2
Barium		154		1.5	49.1
Beryllium		0.54		0.22	0.49
Cadmium		0.39	J	0.19	1.2
Calcium		9700		32.3	1230
Chromium		14.1		1.5	2.5
Cobalt		5.1	J	1.5	12.3
Copper		51.6		1.0	6.1
Iron		13000		13.0	36.8
Lead		333	B	0.61	1.2
Magnesium		627	J	13.0	1230
Manganese		89.1		1.4	3.7
Nickel		15.6		0.66	9.8
Potassium		402	J	55.4	1230
Selenium		1.3	J	1.1	2.5
Silver		0.21	J	0.19	2.5
Sodium		194	J	75.4	1230
Thallium		2.5	U	1.2	2.5
Vanadium		18.8		0.64	12.3
Zinc		173		1.2	7.4

7471A Mercury (CVAA)

Method:	7471A	Analysis Batch: 460-9666		Instrument ID:	LEEMAN3
Preparation:	7471A	Prep Batch: 460-9623		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	0.62 g
Date Analyzed:	06/19/2009 1414			Final Weight/Volume:	100 mL
Date Prepared:	06/19/2009 0945				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.34		0.032	0.040

Client: Haley & Aldrich, Inc. Job Number: 460-2953-1

Client Sample ID: **EB-1: S4**

Lab Sample ID: 460-2953-5 Date Sampled: 06/18/2009 0953
Client Matrix: Solid % Moisture: 25.4 Date Received: 06/18/2009 1810

6010B Metals (ICP)

Method: 6010B Analysis Batch: 460-9868 Instrument ID: ICP2
Preparation: 3050B Prep Batch: 460-9676 Lab File ID: 9675V1
Dilution: 4.0 Initial Weight/Volume: 1.03 g
Date Analyzed: 06/22/2009 2003 Final Weight/Volume: 50 mL
Date Prepared: 06/19/2009 1616

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		2140		19.1	52.0
Antimony		2.6	U	1.1	2.6
Arsenic		6.2		0.91	1.3
Barium		78.7		1.6	52.0
Beryllium		0.52	U	0.23	0.52
Cadmium		1.3	U	0.20	1.3
Calcium		5950		34.2	1300
Chromium		28.2		1.5	2.6
Cobalt		3.1	J	1.6	13.0
Copper		52.1		1.1	6.5
Iron		11800		13.8	39.0
Lead		166		0.65	1.3
Magnesium		603	J	13.8	1300
Manganese		83.9		1.5	3.9
Nickel		12.0		0.70	10.4
Potassium		225	J	58.7	1300
Selenium		2.1	J	1.2	2.6
Silver		1.4	J	0.20	2.6
Sodium		189	J	79.9	1300
Thallium		2.6	U	1.3	2.6
Vanadium		8.9	J	0.68	13.0
Zinc		117		1.3	7.8

7471A Mercury (CVAA)

Method: 7471A Analysis Batch: 460-9666 Instrument ID: LEEMAN3
Preparation: 7471A Prep Batch: 460-9623 Lab File ID: N/A
Dilution: 1.0 Initial Weight/Volume: 0.66 g
Date Analyzed: 06/19/2009 1416 Final Weight/Volume: 100 mL
Date Prepared: 06/19/2009 0945

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.43		0.032	0.040

Client: Haley & Aldrich, Inc. Job Number: 460-2953-1

Client Sample ID: **B-110 S5**

Lab Sample ID: 460-2953-6 Date Sampled: 06/18/2009 0757
Client Matrix: Solid % Moisture: 25.3 Date Received: 06/18/2009 1810

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 460-9868		Instrument ID:	ICP2
Preparation:	3050B	Prep Batch: 460-9676		Lab File ID:	9675V1
Dilution:	4.0			Initial Weight/Volume:	1.01 g
Date Analyzed:	06/22/2009 2009			Final Weight/Volume:	50 mL
Date Prepared:	06/19/2009 1616				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		4530		19.4	53.0
Antimony		2.6	U	1.2	2.6
Arsenic		8.2		0.92	1.3
Barium		22.1	J	1.6	53.0
Beryllium		0.53	U	0.23	0.53
Cadmium		1.3	U	0.21	1.3
Calcium		2560		34.8	1320
Chromium		12.7		1.6	2.6
Cobalt		6.5	J	1.6	13.2
Copper		243		1.1	6.6
Iron		12600		14.1	39.7
Lead		200		0.66	1.3
Magnesium		1350		14.0	1320
Manganese		61.6		1.5	4.0
Nickel		16.6		0.71	10.6
Potassium		763	J	59.8	1320
Selenium		2.6	U	1.2	2.6
Silver		2.6	U	0.20	2.6
Sodium		981	J	81.4	1320
Thallium		2.6	U	1.3	2.6
Vanadium		16.8		0.69	13.2
Zinc		104		1.3	7.9

7471A Mercury (CVAA)

Method:	7471A	Analysis Batch: 460-9666		Instrument ID:	LEEMAN3
Preparation:	7471A	Prep Batch: 460-9623		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	0.61 g
Date Analyzed:	06/19/2009 1418			Final Weight/Volume:	100 mL
Date Prepared:	06/19/2009 0945				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.87		0.034	0.043

General Chemistry

Client Sample ID: **EB-2: S1**

Lab Sample ID: 460-2953-1 Date Sampled: 06/17/2009 1435
Client Matrix: Solid Date Received: 06/18/2009 1810

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	12.3		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-9577	Date Analyzed: 06/18/2009 2308					DryWt Corrected: N
Percent Solids	87.7		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-9577	Date Analyzed: 06/18/2009 2308					DryWt Corrected: N

General Chemistry

Client Sample ID: **EB-2: S1A**

Lab Sample ID: 460-2953-2 Date Sampled: 06/17/2009 1435

Client Matrix: Solid Date Received: 06/18/2009 1810

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	14.6		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-9577	Date Analyzed: 06/18/2009 2308					DryWt Corrected: N
Percent Solids	85.4		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-9577	Date Analyzed: 06/18/2009 2308					DryWt Corrected: N

General Chemistry

Client Sample ID: **EB-2: S7**

Lab Sample ID: 460-2953-3 Date Sampled: 06/18/2009 0647

Client Matrix: Solid Date Received: 06/18/2009 1810

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	51.5		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-9577	Date Analyzed: 06/18/2009 2308					DryWt Corrected: N
Percent Solids	48.5		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-9577	Date Analyzed: 06/18/2009 2308					DryWt Corrected: N

General Chemistry

Client Sample ID: **EB-1: S1**

Lab Sample ID: 460-2953-4 Date Sampled: 06/18/2009 0945

Client Matrix: Solid Date Received: 06/18/2009 1810

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	20.2		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-9577	Date Analyzed: 06/18/2009 2308					DryWt Corrected: N
Percent Solids	79.8		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-9577	Date Analyzed: 06/18/2009 2308					DryWt Corrected: N

General Chemistry

Client Sample ID: **EB-1: S4**

Lab Sample ID: 460-2953-5 Date Sampled: 06/18/2009 0953

Client Matrix: Solid Date Received: 06/18/2009 1810

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	25.4		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-9577	Date Analyzed: 06/18/2009 2308					DryWt Corrected: N
Percent Solids	74.6		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-9577	Date Analyzed: 06/18/2009 2308					DryWt Corrected: N

General Chemistry

Client Sample ID: **B-110 S5**

Lab Sample ID: 460-2953-6 Date Sampled: 06/18/2009 0757

Client Matrix: Solid Date Received: 06/18/2009 1810

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	25.3		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-9577	Date Analyzed: 06/18/2009 2309					DryWt Corrected: N
Percent Solids	74.7		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-9577	Date Analyzed: 06/18/2009 2309					DryWt Corrected: N

1.6 #IR 68

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

777 New Durham Road
Edison, New Jersey 08817
Phone: (732) 549-3900 Fax: (732) 549-3679

CHAIN OF CUSTODY / ANALYSIS REQUEST

Name (for report and invoice): AMY MURPHY

Company: HALEY & ALDRICH, INC

Address: 299 Cherry Hill Road, Suite 105

City: Parsippany State: NJ

Phone: 973-658-3938 Fax: 973-658-3988

Samplers Name (Printed): BOBBY ISSAC

P. O. #: 36059-001

Site/Project Identification: 14th ST. VIADUCT, HOBOKEN NJ

State (Location of site): NJ: [X] NY: [ ] Other:

Regulatory Program:

Analysis Turnaround Time: Standard [X]; Rush Chrages Authorized For: 2 Week [ ] 1 Week [ ] Other [ ]

LAB USE ONLY: Project No: 46003487; Job No: 460-3072

ANALYSIS REQUESTED (ENTER "X" BELOW TO INDICATE REQUEST)

Sample Identification	Date	Time	Matrix	No. of. Cont.	8270C TLC-BV +15	8082 - PCBS	8081A TLC-Pesticides	6010B TAL Metals NJ-CRA-CRAM-02S	8260B TAL-VOC +10						Sample Numbers
B-128 : A1	6/22/09	7:55A	S	5	X	X	X	X	X	X					1
B-128 : A3	6/22/09	8:03A	S	5	X	X	X	X	X	X					2
B-127 : A1	6/22/09	9:30A	S	5	X	X	X	X	X	X					3
B-127 : A3	6/22/09	9:45A	S	5	X	X	X	X	X	X					4
FD 062209 01	6/22/09	9:30A	S	5	X	X	X	X	X	X					5
FD 062209 02	6/22/09	9:45A	S	5	X	X	X	X	X	X					6
B-129MW : S1	6/23/09	2:00P	S	5	X	X	X	X	X	X					7
B-129MW : S5	6/23/09	2:35P	S	5	X	X	X	X	X	X					8
Preservation Used: 1 = ICE, 2 = HCl, 3 = H_2SO_4, 4 = HNO_3, 5 = NaOH				Soil:	1	1	1	1	1	1					
6 = Other _____, 7 = Other _____				Water:											

Special Instructions

Water Metals Filtered (Yes/No)?

Relinquished by	Company	Date / Time	Received by	Company
Bobby Issac	Haley & Aldrich	6/23/09 | 3:45	1) [signature]	[signature]
2) [signature]	[signature]	6/23/09 | 6:32	2) [signature]	Test America
3)		|	3)	
4)		|	4)	

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132). Massachusetts (M-NJ312), North Carolina (No. 578)

TAL - 0016 (0408)

SHORT HOLD

07/14/2009

Page 1249 of 1250

Client: Haley & Aldrich, Inc. Job Number: 460-3072-1

Client Sample ID: **B-128:A1**

Lab Sample ID: 460-3072-1 Date Sampled: 06/22/2009 0755
Client Matrix: Solid % Moisture: 20.5 Date Received: 06/23/2009 1832

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 460-10070		Instrument ID:	VOAMS2
Preparation:	5035	Prep Batch: 460-9995		Lab File ID:	b24994.d
Dilution:	1.0			Initial Weight/Volume:	5.59 g
Date Analyzed:	06/25/2009 0620			Final Weight/Volume:	5 mL
Date Prepared:	06/24/2009 0933				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Chloromethane		1.1	U H	0.71	1.1
Bromomethane		1.1	U H	0.46	1.1
Vinyl chloride		1.1	U H	0.26	1.1
Chloroethane		1.1	U H	0.45	1.1
Methylene Chloride		1.1	U H	0.53	1.1
Acetone		11	U H	4.2	11
Carbon disulfide		1.1	U H	0.52	1.1
1,1-Dichloroethene		1.1	U H	0.42	1.1
1,1-Dichloroethane		1.1	U H	0.28	1.1
trans-1,2-Dichloroethene		1.1	U H	0.32	1.1
cis-1,2-Dichloroethene		1.1	U H	0.27	1.1
Chloroform		1.1	U H	0.27	1.1
1,2-Dichloroethane		1.1	U H	0.44	1.1
2-Butanone		11	U H	0.64	11
1,1,1-Trichloroethane		1.1	U H	0.21	1.1
Carbon tetrachloride		1.1	U H	0.11	1.1
Bromodichloromethane		1.1	U H	0.34	1.1
1,2-Dichloropropane		1.1	U H	0.36	1.1
cis-1,3-Dichloropropene		1.1	U H	0.23	1.1
Trichloroethene		1.1	U H	0.41	1.1
Dibromochloromethane		1.1	U H	0.63	1.1
1,1,2-Trichloroethane		1.1	U H	0.67	1.1
Benzene		1.1	U H	0.83	1.1
trans-1,3-Dichloropropene		1.1	U H	0.25	1.1
Bromoform		1.1	U H	0.79	1.1
4-Methyl-2-pentanone		11	U H	0.80	11
2-Hexanone		11	U H	1.9	11
Tetrachloroethene		1.1	U H	0.37	1.1
1,1,2,2-Tetrachloroethane		1.1	U H	0.86	1.1
Toluene		1.1	U H	0.34	1.1
Chlorobenzene		1.1	U H	0.54	1.1
Ethylbenzene		1.1	U H	0.21	1.1
Styrene		1.1	U H	0.39	1.1
Xylenes, Total		3.4	U H	0.88	3.4

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	91		53 - 128
Bromofluorobenzene	103		73 - 143
Toluene-d8 (Surr)	92		59 - 139

Client: Haley & Aldrich, Inc. Job Number: 460-3072-1

Client Sample ID: **B-128:A1**

Lab Sample ID: 460-3072-1 Date Sampled: 06/22/2009 0755
Client Matrix: Solid % Moisture: 20.5 Date Received: 06/23/2009 1832

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 460-10070		Instrument ID:	VOAMS2
Preparation:	5035	Prep Batch: 460-9995		Lab File ID:	b24994.d
Dilution:	1.0			Initial Weight/Volume:	5.59 g
Date Analyzed:	06/25/2009 0620			Final Weight/Volume:	5 mL
Date Prepared:	06/24/2009 0933				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Tentatively Identified Compound		None	H

Client: Haley & Aldrich, Inc. Job Number: 460-3072-1

Client Sample ID: **B-128:A3**

Lab Sample ID: 460-3072-2 Date Sampled: 06/22/2009 0803
Client Matrix: Solid % Moisture: 23.3 Date Received: 06/23/2009 1832

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 460-10070		Instrument ID:	VOAMS2
Preparation:	5035	Prep Batch: 460-9995		Lab File ID:	b24995.d
Dilution:	1.0			Initial Weight/Volume:	5.77 g
Date Analyzed:	06/25/2009 0644			Final Weight/Volume:	5 mL
Date Prepared:	06/24/2009 0940				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Chloromethane		1.1	U H	0.72	1.1
Bromomethane		1.1	U H	0.46	1.1
Vinyl chloride		1.1	U H	0.26	1.1
Chloroethane		1.1	U H	0.45	1.1
Methylene Chloride		1.1	U H	0.53	1.1
Acetone		11	U H	4.2	11
Carbon disulfide		1.1	U H	0.53	1.1
1,1-Dichloroethene		1.1	U H	0.42	1.1
1,1-Dichloroethane		1.1	U H	0.28	1.1
trans-1,2-Dichloroethene		1.1	U H	0.32	1.1
cis-1,2-Dichloroethene		1.1	U H	0.27	1.1
Chloroform		3.4	H	0.27	1.1
1,2-Dichloroethane		1.1	U H	0.44	1.1
2-Butanone		11	U H	0.64	11
1,1,1-Trichloroethane		1.1	U H	0.21	1.1
Carbon tetrachloride		1.1	U H	0.11	1.1
Bromodichloromethane		1.1	U H	0.34	1.1
1,2-Dichloropropane		1.1	U H	0.36	1.1
cis-1,3-Dichloropropene		1.1	U H	0.23	1.1
Trichloroethene		1.1	U H	0.41	1.1
Dibromochloromethane		1.1	U H	0.63	1.1
1,1,2-Trichloroethane		1.1	U H	0.67	1.1
Benzene		1.1	U H	0.84	1.1
trans-1,3-Dichloropropene		1.1	U H	0.25	1.1
Bromoform		1.1	U H	0.79	1.1
4-Methyl-2-pentanone		11	U H	0.81	11
2-Hexanone		11	U H	1.9	11
Tetrachloroethene		1.1	U H	0.37	1.1
1,1,2,2-Tetrachloroethane		1.1	U H	0.86	1.1
Toluene		1.1	U H	0.34	1.1
Chlorobenzene		1.1	U H	0.54	1.1
Ethylbenzene		1.1	U H	0.22	1.1
Styrene		1.1	U H	0.39	1.1
Xylenes, Total		3.4	U H	0.89	3.4

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	94		53 - 128
Bromofluorobenzene	105		73 - 143
Toluene-d8 (Surr)	95		59 - 139

Client: Haley & Aldrich, Inc. Job Number: 460-3072-1

Client Sample ID: **B-128:A3**

Lab Sample ID: 460-3072-2 Date Sampled: 06/22/2009 0803
Client Matrix: Solid % Moisture: 23.3 Date Received: 06/23/2009 1832

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 460-10070		Instrument ID:	VOAMS2
Preparation:	5035	Prep Batch: 460-9995		Lab File ID:	b24995.d
Dilution:	1.0			Initial Weight/Volume:	5.77 g
Date Analyzed:	06/25/2009 0644			Final Weight/Volume:	5 mL
Date Prepared:	06/24/2009 0940				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Tentatively Identified Compound		None	H

Client: Haley & Aldrich, Inc. Job Number: 460-3072-1

Client Sample ID: **B-127:A1**

Lab Sample ID: 460-3072-3 Date Sampled: 06/22/2009 0930
Client Matrix: Solid % Moisture: 17.4 Date Received: 06/23/2009 1832

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 460-10070		Instrument ID:	VOAMS2
Preparation:	5035	Prep Batch: 460-9995		Lab File ID:	b24996.d
Dilution:	1.0			Initial Weight/Volume:	3.99 g
Date Analyzed:	06/25/2009 0707			Final Weight/Volume:	5 mL
Date Prepared:	06/24/2009 0947				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Chloromethane		1.5	U H	0.96	1.5
Bromomethane		1.5	U H	0.62	1.5
Vinyl chloride		1.5	U H	0.36	1.5
Chloroethane		1.5	U H	0.61	1.5
Methylene Chloride		1.5	U H	0.71	1.5
Acetone		15	U H	5.6	15
Carbon disulfide		1.5	U H	0.71	1.5
1,1-Dichloroethene		1.5	U H	0.56	1.5
1,1-Dichloroethane		1.5	U H	0.38	1.5
trans-1,2-Dichloroethene		1.5	U H	0.43	1.5
cis-1,2-Dichloroethene		1.5	U H	0.36	1.5
Chloroform		1.5	U H	0.36	1.5
1,2-Dichloroethane		1.5	U H	0.59	1.5
2-Butanone		15	U H	0.86	15
1,1,1-Trichloroethane		1.5	U H	0.28	1.5
Carbon tetrachloride		1.5	U H	0.15	1.5
Bromodichloromethane		1.5	U H	0.46	1.5
1,2-Dichloropropane		1.5	U H	0.48	1.5
cis-1,3-Dichloropropene		1.5	U H	0.31	1.5
Trichloroethene		1.5	U H	0.55	1.5
Dibromochloromethane		1.5	U H	0.85	1.5
1,1,2-Trichloroethane		1.5	U H	0.90	1.5
Benzene		1.5	U H	1.1	1.5
trans-1,3-Dichloropropene		1.5	U H	0.34	1.5
Bromoform		1.5	U H	1.1	1.5
4-Methyl-2-pentanone		15	U H	1.1	15
2-Hexanone		15	U H	2.5	15
Tetrachloroethene		1.5	U H	0.50	1.5
1,1,2,2-Tetrachloroethane		1.5	U H	1.2	1.5
Toluene		1.5	U H	0.45	1.5
Chlorobenzene		1.5	U H	0.73	1.5
Ethylbenzene		1.5	U H	0.29	1.5
Styrene		1.5	U H	0.53	1.5
Xylenes, Total		4.6	U H	1.2	4.6

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	91		53 - 128
Bromofluorobenzene	126		73 - 143
Toluene-d8 (Surr)	99		59 - 139

Client: Haley & Aldrich, Inc. Job Number: 460-3072-1

Client Sample ID: **B-127:A1**

Lab Sample ID: 460-3072-3 Date Sampled: 06/22/2009 0930
Client Matrix: Solid % Moisture: 17.4 Date Received: 06/23/2009 1832

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 460-10070		Instrument ID:	VOAMS2
Preparation:	5035	Prep Batch: 460-9995		Lab File ID:	b24996.d
Dilution:	1.0			Initial Weight/Volume:	3.99 g
Date Analyzed:	06/25/2009 0707			Final Weight/Volume:	5 mL
Date Prepared:	06/24/2009 0947				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Tentatively Identified Compound		None	H

Client: Haley & Aldrich, Inc. Job Number: 460-3072-1

Client Sample ID: **B-127:A3**

Lab Sample ID: 460-3072-4 Date Sampled: 06/22/2009 0945
Client Matrix: Solid % Moisture: 27.5 Date Received: 06/23/2009 1832

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 460-10070		Instrument ID:	VOAMS2
Preparation:	5035	Prep Batch: 460-9995		Lab File ID:	b25006.d
Dilution:	1.0			Initial Weight/Volume:	5.74 g
Date Analyzed:	06/25/2009 1105			Final Weight/Volume:	5 mL
Date Prepared:	06/24/2009 0954				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Chloromethane		1.2	U H	0.76	1.2
Bromomethane		1.2	U H	0.49	1.2
Vinyl chloride		1.2	U H	0.28	1.2
Chloroethane		1.2	U H	0.48	1.2
Methylene Chloride		1.2	U H	0.57	1.2
Acetone		21	H B	4.4	12
Carbon disulfide		3.0	H	0.56	1.2
1,1-Dichloroethene		1.2	U H	0.44	1.2
1,1-Dichloroethane		1.2	U H	0.30	1.2
trans-1,2-Dichloroethene		1.2	U H	0.34	1.2
cis-1,2-Dichloroethene		1.2	U H	0.28	1.2
Chloroform		1.2	U H	0.28	1.2
1,2-Dichloroethane		1.2	U H	0.47	1.2
2-Butanone		12	U H	0.68	12
1,1,1-Trichloroethane		1.2	U H	0.22	1.2
Carbon tetrachloride		1.2	U H	0.12	1.2
Bromodichloromethane		1.2	U H	0.37	1.2
1,2-Dichloropropane		1.2	U H	0.38	1.2
cis-1,3-Dichloropropene		1.2	U H	0.24	1.2
Trichloroethene		1.2	U H	0.44	1.2
Dibromochloromethane		1.2	U H	0.67	1.2
1,1,2-Trichloroethane		1.2	U H	0.71	1.2
Benzene		7.6	H	0.89	1.2
trans-1,3-Dichloropropene		1.2	U H	0.27	1.2
Bromoform		1.2	U H	0.84	1.2
4-Methyl-2-pentanone		12	U H	0.86	12
2-Hexanone		12	U H	2.0	12
Tetrachloroethene		1.2	U H	0.40	1.2
1,1,2,2-Tetrachloroethane		1.2	U H	0.91	1.2
Toluene		2.1	H	0.36	1.2
Chlorobenzene		1.2	U H	0.58	1.2
Ethylbenzene		1.0	J H	0.23	1.2
Styrene		1.2	U H	0.42	1.2
Xylenes, Total		1.4	J H	0.94	3.6

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	93		53 - 128
Bromofluorobenzene	102		73 - 143
Toluene-d8 (Surr)	95		59 - 139

Client: Haley & Aldrich, Inc. Job Number: 460-3072-1

Client Sample ID: **B-127:A3**

Lab Sample ID: 460-3072-4 Date Sampled: 06/22/2009 0945
Client Matrix: Solid % Moisture: 27.5 Date Received: 06/23/2009 1832

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 460-10070		Instrument ID:	VOAMS2
Preparation:	5035	Prep Batch: 460-9995		Lab File ID:	b25006.d
Dilution:	1.0			Initial Weight/Volume:	5.74 g
Date Analyzed:	06/25/2009 1105			Final Weight/Volume:	5 mL
Date Prepared:	06/24/2009 0954				

Tentatively Identified Compounds **Number TIC's Found:** **10**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	10.51	76	T H J
	Unknown Alkane/C10H12 Aromatic	10.61	72	T H J
	Unknown	10.70	55	T H J
	Unknown Alkane/Unknown Phthalate	10.80	76	T H J
	C13H28 Alkane	11.22	170	T H J
91-20-3	Naphthalene	11.56	260	E H
	Unknown	11.67	63	T H J
	Unknown	11.82	65	T H J
	C14H30 Alkane	11.91	54	T H J
	Methylnaphthalene isomer	12.45	97	T H J

Client: Haley & Aldrich, Inc. Job Number: 460-3072-1

Client Sample ID: **FD 062209 01**

Lab Sample ID: 460-3072-5 Date Sampled: 06/22/2009 0930
Client Matrix: Solid % Moisture: 20.7 Date Received: 06/23/2009 1832

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 460-10070		Instrument ID:	VOAMS2
Preparation:	5035	Prep Batch: 460-9995		Lab File ID:	b25007.d
Dilution:	1.0			Initial Weight/Volume:	5.68 g
Date Analyzed:	06/25/2009 1128			Final Weight/Volume:	5 mL
Date Prepared:	06/24/2009 1001				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Chloromethane		1.1	U H	0.70	1.1
Bromomethane		1.1	U H	0.45	1.1
Vinyl chloride		1.1	U H	0.26	1.1
Chloroethane		1.1	U H	0.44	1.1
Methylene Chloride		1.1	U H	0.52	1.1
Acetone		11	U H	4.1	11
Carbon disulfide		1.1	U H	0.52	1.1
1,1-Dichloroethene		1.1	U H	0.41	1.1
1,1-Dichloroethane		1.1	U H	0.28	1.1
trans-1,2-Dichloroethene		1.1	U H	0.31	1.1
cis-1,2-Dichloroethene		1.1	U H	0.26	1.1
Chloroform		6.1	H	0.26	1.1
1,2-Dichloroethane		1.1	U H	0.43	1.1
2-Butanone		11	U H	0.63	11
1,1,1-Trichloroethane		1.1	U H	0.21	1.1
Carbon tetrachloride		1.1	U H	0.11	1.1
Bromodichloromethane		1.1	U H	0.34	1.1
1,2-Dichloropropane		1.1	U H	0.35	1.1
cis-1,3-Dichloropropene		1.1	U H	0.22	1.1
Trichloroethene		1.1	U H	0.40	1.1
Dibromochloromethane		1.1	U H	0.62	1.1
1,1,2-Trichloroethane		1.1	U H	0.66	1.1
Benzene		1.1	U H	0.82	1.1
trans-1,3-Dichloropropene		1.1	U H	0.25	1.1
Bromoform		1.1	U H	0.78	1.1
4-Methyl-2-pentanone		11	U H	0.79	11
2-Hexanone		11	U H	1.9	11
Tetrachloroethene		1.1	U H	0.37	1.1
1,1,2,2-Tetrachloroethane		1.1	U H	0.84	1.1
Toluene		1.1	U H	0.33	1.1
Chlorobenzene		1.1	U H	0.54	1.1
Ethylbenzene		1.1	U H	0.21	1.1
Styrene		1.1	U H	0.38	1.1
Xylenes, Total		3.3	U H	0.87	3.3

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	91		53 - 128
Bromofluorobenzene	103		73 - 143
Toluene-d8 (Surr)	96		59 - 139

Client: Haley & Aldrich, Inc. Job Number: 460-3072-1

Client Sample ID: **FD 062209 01**

Lab Sample ID: 460-3072-5 Date Sampled: 06/22/2009 0930
Client Matrix: Solid % Moisture: 20.7 Date Received: 06/23/2009 1832

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 460-10070		Instrument ID:	VOAMS2
Preparation:	5035	Prep Batch: 460-9995		Lab File ID:	b25007.d
Dilution:	1.0			Initial Weight/Volume:	5.68 g
Date Analyzed:	06/25/2009 1128			Final Weight/Volume:	5 mL
Date Prepared:	06/24/2009 1001				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Tentatively Identified Compound		None	H

Client: Haley & Aldrich, Inc. Job Number: 460-3072-1

Client Sample ID: **FD 062209 02**

Lab Sample ID: 460-3072-6 Date Sampled: 06/22/2009 0945
Client Matrix: Solid % Moisture: 24.0 Date Received: 06/23/2009 1832

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 460-10070		Instrument ID:	VOAMS2
Preparation:	5035	Prep Batch: 460-9995		Lab File ID:	b25008.d
Dilution:	1.0			Initial Weight/Volume:	5.34 g
Date Analyzed:	06/25/2009 1151			Final Weight/Volume:	5 mL
Date Prepared:	06/24/2009 1008				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Chloromethane		1.2	U H	0.78	1.2
Bromomethane		1.2	U H	0.50	1.2
Vinyl chloride		1.2	U H	0.29	1.2
Chloroethane		1.2	U H	0.49	1.2
Methylene Chloride		1.2	U H	0.58	1.2
Acetone		12	U H	4.6	12
Carbon disulfide		1.2	U H	0.57	1.2
1,1-Dichloroethene		1.2	U H	0.45	1.2
1,1-Dichloroethane		1.2	U H	0.31	1.2
trans-1,2-Dichloroethene		1.2	U H	0.35	1.2
cis-1,2-Dichloroethene		1.2	U H	0.29	1.2
Chloroform		1.2	U H	0.29	1.2
1,2-Dichloroethane		1.2	U H	0.48	1.2
2-Butanone		12	U H	0.70	12
1,1,1-Trichloroethane		1.2	U H	0.23	1.2
Carbon tetrachloride		1.2	U H	0.12	1.2
Bromodichloromethane		1.2	U H	0.37	1.2
1,2-Dichloropropane		1.2	U H	0.39	1.2
cis-1,3-Dichloropropene		1.2	U H	0.25	1.2
Trichloroethene		1.2	U H	0.45	1.2
Dibromochloromethane		1.2	U H	0.69	1.2
1,1,2-Trichloroethane		1.2	U H	0.73	1.2
Benzene		1.7	H	0.91	1.2
trans-1,3-Dichloropropene		1.2	U H	0.27	1.2
Bromoform		1.2	U H	0.86	1.2
4-Methyl-2-pentanone		12	U H	0.88	12
2-Hexanone		12	U H	2.1	12
Tetrachloroethene		1.2	U H	0.41	1.2
1,1,2,2-Tetrachloroethane		1.2	U H	0.94	1.2
Toluene		0.45	J H	0.37	1.2
Chlorobenzene		1.2	U H	0.59	1.2
Ethylbenzene		1.2	U H	0.24	1.2
Styrene		1.2	U H	0.43	1.2
Xylenes, Total		3.7	U H	0.97	3.7

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	97		53 - 128
Bromofluorobenzene	115		73 - 143
Toluene-d8 (Surr)	102		59 - 139

Client: Haley & Aldrich, Inc. Job Number: 460-3072-1

Client Sample ID: **FD 062209 02**

Lab Sample ID: 460-3072-6 Date Sampled: 06/22/2009 0945
Client Matrix: Solid % Moisture: 24.0 Date Received: 06/23/2009 1832

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 460-10070		Instrument ID:	VOAMS2
Preparation:	5035	Prep Batch: 460-9995		Lab File ID:	b25008.d
Dilution:	1.0			Initial Weight/Volume:	5.34 g
Date Analyzed:	06/25/2009 1151			Final Weight/Volume:	5 mL
Date Prepared:	06/24/2009 1008				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Tentatively Identified Compound		None	H

Client: Haley & Aldrich, Inc. Job Number: 460-3072-1

Client Sample ID: **B-129MW:S1**

Lab Sample ID: 460-3072-7 Date Sampled: 06/23/2009 1400
Client Matrix: Solid % Moisture: 13.6 Date Received: 06/23/2009 1832

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 460-10070		Instrument ID:	VOAMS2
Preparation:	5035	Prep Batch: 460-9995		Lab File ID:	b25009.d
Dilution:	1.0			Initial Weight/Volume:	4.29 g
Date Analyzed:	06/25/2009 1215			Final Weight/Volume:	5 mL
Date Prepared:	06/24/2009 1015				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Chloromethane		1.3	U	0.85	1.3
Bromomethane		1.3	U	0.55	1.3
Vinyl chloride		1.3	U	0.32	1.3
Chloroethane		1.3	U	0.54	1.3
Methylene Chloride		1.3	U	0.64	1.3
Acetone		13	U	5.0	13
Carbon disulfide		1.3	U	0.63	1.3
1,1-Dichloroethene		1.3	U	0.50	1.3
1,1-Dichloroethane		1.3	U	0.34	1.3
trans-1,2-Dichloroethene		1.3	U	0.38	1.3
cis-1,2-Dichloroethene		1.3	U	0.32	1.3
Chloroform		1.3	U	0.32	1.3
1,2-Dichloroethane		1.3	U	0.53	1.3
2-Butanone		13	U	0.77	13
1,1,1-Trichloroethane		1.3	U	0.25	1.3
Carbon tetrachloride		1.3	U	0.14	1.3
Bromodichloromethane		1.3	U	0.41	1.3
1,2-Dichloropropane		1.3	U	0.43	1.3
cis-1,3-Dichloropropene		1.3	U	0.27	1.3
Trichloroethene		1.3	U	0.49	1.3
Dibromochloromethane		1.3	U	0.76	1.3
1,1,2-Trichloroethane		1.3	U	0.80	1.3
Benzene		1.3	U	1.0	1.3
trans-1,3-Dichloropropene		1.3	U	0.30	1.3
Bromoform		1.3	U	0.95	1.3
4-Methyl-2-pentanone		13	U	0.96	13
2-Hexanone		13	U	2.3	13
Tetrachloroethene		1.3	U	0.45	1.3
1,1,2,2-Tetrachloroethane		1.3	U	1.0	1.3
Toluene		1.3	U	0.40	1.3
Chlorobenzene		1.3	U	0.65	1.3
Ethylbenzene		1.3	U	0.26	1.3
Styrene		1.3	U	0.47	1.3
Xylenes, Total		4.0	U	1.1	4.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	93		53 - 128
Bromofluorobenzene	125		73 - 143
Toluene-d8 (Surr)	101		59 - 139

Client: Haley & Aldrich, Inc. Job Number: 460-3072-1

Client Sample ID: **B-129MW:S1**

Lab Sample ID: 460-3072-7 Date Sampled: 06/23/2009 1400
Client Matrix: Solid % Moisture: 13.6 Date Received: 06/23/2009 1832

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 460-10070		Instrument ID:	VOAMS2
Preparation:	5035	Prep Batch: 460-9995		Lab File ID:	b25009.d
Dilution:	1.0			Initial Weight/Volume:	4.29 g
Date Analyzed:	06/25/2009 1215			Final Weight/Volume:	5 mL
Date Prepared:	06/24/2009 1015				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Tentatively Identified Compound		None	

Client: Haley & Aldrich, Inc. Job Number: 460-3072-1

Client Sample ID: **B-129MW:S5**

Lab Sample ID: 460-3072-8 Date Sampled: 06/23/2009 1435
Client Matrix: Solid % Moisture: 15.0 Date Received: 06/23/2009 1832

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 460-10114		Instrument ID:	VOAMS8
Preparation:	5035	Prep Batch: 460-9994		Lab File ID:	j85746.d
Dilution:	50			Initial Weight/Volume:	6.11 g
Date Analyzed:	06/25/2009 1332			Final Weight/Volume:	10 mL
Date Prepared:	06/24/2009 1033				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Chloromethane		96	U	20	96
Bromomethane		96	U	30	96
Vinyl chloride		96	U	12	96
Chloroethane		96	U	43	96
Methylene Chloride		96	U	19	96
Acetone		960	U	240	960
Carbon disulfide		96	U	14	96
1,1-Dichloroethene		96	U	14	96
1,1-Dichloroethane		96	U	9.6	96
trans-1,2-Dichloroethene		96	U	13	96
cis-1,2-Dichloroethene		96	U	19	96
Chloroform		96	U	15	96
1,2-Dichloroethane		96	U	24	96
2-Butanone		960	U	79	960
1,1,1-Trichloroethane		96	U	24	96
Carbon tetrachloride		96	U	17	96
Bromodichloromethane		96	U	8.6	96
1,2-Dichloropropane		96	U	8.4	96
cis-1,3-Dichloropropene		96	U	9.8	96
Trichloroethene		96	U	17	96
Dibromochloromethane		96	U	9.7	96
1,1,2-Trichloroethane		96	U	9.4	96
Benzene		31	J	11	96
trans-1,3-Dichloropropene		96	U	12	96
Bromoform		96	U	9.5	96
4-Methyl-2-pentanone		960	U	66	960
2-Hexanone		960	U	53	960
Tetrachloroethene		96	U	19	96
1,1,2,2-Tetrachloroethane		96	U *	8.3	96
Toluene		80	J	9.1	96
Chlorobenzene		96	U	16	96
Ethylbenzene		67	J	24	96
Styrene		15	J	13	96
Xylenes, Total		150	J	42	290

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	93		51 - 131
Bromofluorobenzene	85		70 - 131
Toluene-d8 (Surr)	78		51 - 138

Client: Haley & Aldrich, Inc. Job Number: 460-3072-1

Client Sample ID: **B-129MW:S5**

Lab Sample ID: 460-3072-8 Date Sampled: 06/23/2009 1435
Client Matrix: Solid % Moisture: 15.0 Date Received: 06/23/2009 1832

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 460-10114		Instrument ID:	VOAMS8
Preparation:	5035	Prep Batch: 460-9994		Lab File ID:	j85746.d
Dilution:	50			Initial Weight/Volume:	6.11 g
Date Analyzed:	06/25/2009 1332			Final Weight/Volume:	10 mL
Date Prepared:	06/24/2009 1033				

Tentatively Identified Compounds **Number TIC's Found:** **10**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown Cycloalkane	12.68	4300	T J
	Unknown	13.93	3300	T J
	Ethylmethylbenzene isomer	14.27	3000	T J
	Unknown	14.50	6700	T J
	Unknown Aromatic	14.75	7500	T J
	Unknown	14.90	5600	T J
	Unknown	15.02	4900	T J
	Ethyldimethylbenzene isomer	15.40	2300	T J
	Unknown Aromatic	15.73	2900	T J
	Unknown Aromatic	17.01	3900	T J

Client: Haley & Aldrich, Inc. Job Number: 460-3072-1

Client Sample ID: **B-128:A1**

Lab Sample ID: 460-3072-1 Date Sampled: 06/22/2009 0755
Client Matrix: Solid % Moisture: 20.5 Date Received: 06/23/2009 1832

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-10316		Instrument ID:	BNAMS6
Preparation:	3541	Prep Batch: 460-9972		Lab File ID:	m43694.d
Dilution:	1.0			Initial Weight/Volume:	15.00 g
Date Analyzed:	06/25/2009 1156			Final Weight/Volume:	1 mL
Date Prepared:	06/24/2009 0800			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Bis(2-chloroethyl)ether		42	U	8.7	42
1,3-Dichlorobenzene		420	U	57	420
1,4-Dichlorobenzene		420	U	62	420
1,2-Dichlorobenzene		420	U	67	420
N-Nitrosodi-n-propylamine		42	U	5.5	42
Hexachloroethane		42	U	7.0	42
Nitrobenzene		42	U	9.3	42
Isophorone		420	U	48	420
Bis(2-chloroethoxy)methane		420	U	59	420
1,2,4-Trichlorobenzene		42	U	6.8	42
Naphthalene		170	J	61	420
4-Chloroaniline		420	U	52	420
Hexachlorobutadiene		84	U	17	84
2-Methylnaphthalene		420	U	61	420
Hexachlorocyclopentadiene		420	U	120	420
2-Chloronaphthalene		420	U	59	420
2-Nitroaniline		840	U	110	840
Dimethyl phthalate		420	U	56	420
Acenaphthylene		1400		60	420
2,6-Dinitrotoluene		84	U	11	84
3-Nitroaniline		840	U	94	840
Acenaphthene		420	U	59	420
Dibenzofuran		420	U	63	420
2,4-Dinitrotoluene		84	U	12	84
Diethyl phthalate		420	U	56	420
4-Chlorophenyl phenyl ether		420	U	72	420
Fluorene		420	U	70	420
4-Nitroaniline		840	U	86	840
N-Nitrosodiphenylamine		420	U	68	420
4-Bromophenyl phenyl ether		420	U	74	420
Hexachlorobenzene		42	U	5.8	42
Phenanthrene		520		73	420
Anthracene		180	J	73	420
Carbazole		420	U	66	420
Di-n-butyl phthalate		420	U	64	420
Fluoranthene		640		69	420
Pyrene		660		72	420
Butyl benzyl phthalate		420	U	49	420
3,3'-Dichlorobenzidine		840	U	92	840
Benzo[a]anthracene		590		7.7	42
Chrysene		640		61	420
Bis(2-ethylhexyl) phthalate		420	U	55	420
Di-n-octyl phthalate		420	U	49	420
Benzo[b]fluoranthene		760		6.2	42
Benzo[k]fluoranthene		830		5.8	42
Benzo[a]pyrene		800		5.1	42

Client: Haley & Aldrich, Inc. Job Number: 460-3072-1

Client Sample ID: **B-128:A1**

Lab Sample ID: 460-3072-1 Date Sampled: 06/22/2009 0755
Client Matrix: Solid % Moisture: 20.5 Date Received: 06/23/2009 1832

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-10316		Instrument ID:	BNAMS6
Preparation:	3541	Prep Batch: 460-9972		Lab File ID:	m43694.d
Dilution:	1.0			Initial Weight/Volume:	15.00 g
Date Analyzed:	06/25/2009 1156			Final Weight/Volume:	1 mL
Date Prepared:	06/24/2009 0800			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Indeno[1,2,3-cd]pyrene		280		6.7	42
Dibenz(a,h)anthracene		42	U	5.0	42
Benzo[g,h,i]perylene		260	J	44	420
bis (2-chloroisopropyl) ether		420	U	55	420

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	59		36 - 93
Nitrobenzene-d5	61		31 - 97
Terphenyl-d14	69		40 - 129

Client: Haley & Aldrich, Inc. Job Number: 460-3072-1

Client Sample ID: **B-128:A1**

Lab Sample ID: 460-3072-1 Date Sampled: 06/22/2009 0755
Client Matrix: Solid % Moisture: 20.5 Date Received: 06/23/2009 1832

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-10316		Instrument ID:	BNAMS6
Preparation:	3541	Prep Batch: 460-9972		Lab File ID:	m43694.d
Dilution:	1.0			Initial Weight/Volume:	15.00 g
Date Analyzed:	06/25/2009 1156			Final Weight/Volume:	1 mL
Date Prepared:	06/24/2009 0800			Injection Volume:	1.0 uL

Tentatively Identified Compounds **Number TIC's Found:** **15**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
100-42-5	Styrene	5.02	3100	T J N
	C9H10 Aromatic	6.02	3800	T J
	Unknown Aromatic	6.05	4200	T J
	C9H8 Aromatic	6.51	2500	T J
	C10H12 Aromatic	6.91	1600	T J
	C10H12 Aromatic	7.09	2000	T J
	Unknown	7.13	3000	T J
	C10H10 Aromatic	7.32	2300	T J
	C10H10 Aromatic	7.38	3800	T J
	C10H14 Aromatic	7.81	3400	T J
	C10H14 Aromatic	7.85	1800	T J
	C10H14 Aromatic	7.89	1400	T J
	C10H12 Aromatic	8.33	1400	T J
	C11H16 Aromatic	8.62	1100	T J
	Unknown	9.11	940	T J

Client: Haley & Aldrich, Inc. Job Number: 460-3072-1

Client Sample ID: **B-128:A3**

Lab Sample ID: 460-3072-2 Date Sampled: 06/22/2009 0803
Client Matrix: Solid % Moisture: 23.3 Date Received: 06/23/2009 1832

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-10382		Instrument ID:	BNAMS6
Preparation:	3541	Prep Batch: 460-9972		Lab File ID:	m43765.d
Dilution:	2.0			Initial Weight/Volume:	15.03 g
Date Analyzed:	06/27/2009 1119			Final Weight/Volume:	1 mL
Date Prepared:	06/24/2009 0800			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Bis(2-chloroethyl)ether		86	U	18	86
1,3-Dichlorobenzene		860	U	120	860
1,4-Dichlorobenzene		860	U	130	860
1,2-Dichlorobenzene		860	U	140	860
N-Nitrosodi-n-propylamine		86	U	11	86
Hexachloroethane		86	U	15	86
Nitrobenzene		86	U	19	86
Isophorone		860	U	99	860
Bis(2-chloroethoxy)methane		860	U	120	860
1,2,4-Trichlorobenzene		86	U	14	86
Naphthalene		240	J	130	860
4-Chloroaniline		860	U	110	860
Hexachlorobutadiene		170	U	35	170
2-Methylnaphthalene		860	U	130	860
Hexachlorocyclopentadiene		860	U	250	860
2-Chloronaphthalene		860	U	120	860
2-Nitroaniline		1700	U	240	1700
Dimethyl phthalate		860	U	120	860
Acenaphthylene		160	J	120	860
2,6-Dinitrotoluene		170	U	22	170
3-Nitroaniline		1700	U	190	1700
Acenaphthene		400	J	120	860
Dibenzofuran		170	J	130	860
2,4-Dinitrotoluene		170	U	25	170
Diethyl phthalate		860	U	120	860
4-Chlorophenyl phenyl ether		860	U	150	860
Fluorene		200	J	150	860
4-Nitroaniline		1700	U	180	1700
N-Nitrosodiphenylamine		860	U	140	860
4-Bromophenyl phenyl ether		860	U	150	860
Hexachlorobenzene		86	U	12	86
Phenanthrene		3200		150	860
Anthracene		1000		150	860
Carbazole		450	J	140	860
Di-n-butyl phthalate		860	U	130	860
Fluoranthene		5900		140	860
Pyrene		6700		150	860
Butyl benzyl phthalate		860	U	100	860
3,3'-Dichlorobenzidine		1700	U	190	1700
Benzo[a]anthracene		6000		16	86
Chrysene		5700		130	860
Bis(2-ethylhexyl) phthalate		860	U	110	860
Di-n-octyl phthalate		860	U	100	860
Benzo[b]fluoranthene		6700		13	86
Benzo[k]fluoranthene		8100		12	86
Benzo[a]pyrene		9000		11	86

Client: Haley & Aldrich, Inc. Job Number: 460-3072-1

Client Sample ID: **B-128:A3**

Lab Sample ID: 460-3072-2 Date Sampled: 06/22/2009 0803
Client Matrix: Solid % Moisture: 23.3 Date Received: 06/23/2009 1832

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-10382		Instrument ID:	BNAMS6
Preparation:	3541	Prep Batch: 460-9972		Lab File ID:	m43765.d
Dilution:	2.0			Initial Weight/Volume:	15.03 g
Date Analyzed:	06/27/2009 1119			Final Weight/Volume:	1 mL
Date Prepared:	06/24/2009 0800			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Indeno[1,2,3-cd]pyrene		3100		14	86
Dibenz(a,h)anthracene		1000		10	86
Benzo[g,h,i]perylene		2800		91	860
bis (2-chloroisopropyl) ether		860	U	110	860

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	42		36 - 93
Nitrobenzene-d5	45		31 - 97
Terphenyl-d14	47		40 - 129

Client: Haley & Aldrich, Inc. Job Number: 460-3072-1

Client Sample ID: **B-128:A3**

Lab Sample ID: 460-3072-2 Date Sampled: 06/22/2009 0803
Client Matrix: Solid % Moisture: 23.3 Date Received: 06/23/2009 1832

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-10382		Instrument ID:	BNAMS6
Preparation:	3541	Prep Batch: 460-9972		Lab File ID:	m43765.d
Dilution:	2.0			Initial Weight/Volume:	15.03 g
Date Analyzed:	06/27/2009 1119			Final Weight/Volume:	1 mL
Date Prepared:	06/24/2009 0800			Injection Volume:	1.0 uL

Tentatively Identified Compounds **Number TIC's Found:** **12**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	C15H10 PAH	11.42	1200	T J
	C17H12 PAH	12.58	1200	T J
	Unknown	13.76	1100	T J
	Unknown	13.82	980	T J
	Unknown	13.89	720	T J
	C19H14 PAH	14.10	1200	T J
	C19H14 PAH	14.16	710	T J
	C20H12 PAH	15.18	2200	T J
	C20H12 PAH	15.44	6700	T J
	C20H12 PAH	15.63	3600	T J
	Unknown	15.70	1300	T J
	Unknown	15.86	1700	T J

Client: Haley & Aldrich, Inc. Job Number: 460-3072-1

Client Sample ID: **B-127:A1**

Lab Sample ID: 460-3072-3 Date Sampled: 06/22/2009 0930
Client Matrix: Solid % Moisture: 17.4 Date Received: 06/23/2009 1832

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-10316		Instrument ID:	BNAMS6
Preparation:	3541	Prep Batch: 460-9972		Lab File ID:	m43689.d
Dilution:	1.0			Initial Weight/Volume:	15.02 g
Date Analyzed:	06/25/2009 0953			Final Weight/Volume:	1 mL
Date Prepared:	06/24/2009 0800			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Bis(2-chloroethyl)ether		40	U	8.3	40
1,3-Dichlorobenzene		400	U	55	400
1,4-Dichlorobenzene		400	U	60	400
1,2-Dichlorobenzene		400	U	64	400
N-Nitrosodi-n-propylamine		40	U	5.3	40
Hexachloroethane		40	U	6.7	40
Nitrobenzene		40	U	8.9	40
Isophorone		400	U	46	400
Bis(2-chloroethoxy)methane		400	U	57	400
1,2,4-Trichlorobenzene		40	U	6.5	40
Naphthalene		400	U	59	400
4-Chloroaniline		400	U	50	400
Hexachlorobutadiene		81	U	16	81
2-Methylnaphthalene		400	U	58	400
Hexachlorocyclopentadiene		400	U	120	400
2-Chloronaphthalene		400	U	56	400
2-Nitroaniline		810	U	110	810
Dimethyl phthalate		400	U	54	400
Acenaphthylene		400	U	57	400
2,6-Dinitrotoluene		81	U	10	81
3-Nitroaniline		810	U	90	810
Acenaphthene		400	U	57	400
Dibenzofuran		400	U	60	400
2,4-Dinitrotoluene		81	U	12	81
Diethyl phthalate		400	U	54	400
4-Chlorophenyl phenyl ether		400	U	69	400
Fluorene		400	U	68	400
4-Nitroaniline		810	U	83	810
N-Nitrosodiphenylamine		400	U	65	400
4-Bromophenyl phenyl ether		400	U	71	400
Hexachlorobenzene		40	U	5.6	40
Phenanthrene		400	U	70	400
Anthracene		400	U	71	400
Carbazole		400	U	64	400
Di-n-butyl phthalate		400	U	61	400
Fluoranthene		400	U	67	400
Pyrene		400	U	69	400
Butyl benzyl phthalate		400	U	47	400
3,3'-Dichlorobenzidine		810	U	89	810
Benzo[a]anthracene		20	J	7.4	40
Chrysene		92	J	58	400
Bis(2-ethylhexyl) phthalate		400	U	53	400
Di-n-octyl phthalate		400	U	48	400
Benzo[b]fluoranthene		33	J	6.0	40
Benzo[k]fluoranthene		40	U	5.6	40
Benzo[a]pyrene		18	J	4.9	40

Client: Haley & Aldrich, Inc. Job Number: 460-3072-1

Client Sample ID: **B-127:A1**

Lab Sample ID: 460-3072-3 Date Sampled: 06/22/2009 0930
Client Matrix: Solid % Moisture: 17.4 Date Received: 06/23/2009 1832

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-10316		Instrument ID:	BNAMS6
Preparation:	3541	Prep Batch: 460-9972		Lab File ID:	m43689.d
Dilution:	1.0			Initial Weight/Volume:	15.02 g
Date Analyzed:	06/25/2009 0953			Final Weight/Volume:	1 mL
Date Prepared:	06/24/2009 0800			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Indeno[1,2,3-cd]pyrene		10	J	6.4	40
Dibenz(a,h)anthracene		40	U	4.8	40
Benzo[g,h,i]perylene		400	U	42	400
bis (2-chloroisopropyl) ether		400	U	52	400

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	60		36 - 93
Nitrobenzene-d5	60		31 - 97
Terphenyl-d14	60		40 - 129

Client: Haley & Aldrich, Inc. Job Number: 460-3072-1

Client Sample ID: **B-127:A1**

Lab Sample ID: 460-3072-3 Date Sampled: 06/22/2009 0930
Client Matrix: Solid % Moisture: 17.4 Date Received: 06/23/2009 1832

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-10316		Instrument ID:	BNAMS6
Preparation:	3541	Prep Batch: 460-9972		Lab File ID:	m43689.d
Dilution:	1.0			Initial Weight/Volume:	15.02 g
Date Analyzed:	06/25/2009 0953			Final Weight/Volume:	1 mL
Date Prepared:	06/24/2009 0800			Injection Volume:	1.0 uL

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Tentatively Identified Compound		None	

Client: Haley & Aldrich, Inc. Job Number: 460-3072-1

Client Sample ID: **B-127:A3**

Lab Sample ID: 460-3072-4 Date Sampled: 06/22/2009 0945
Client Matrix: Solid % Moisture: 27.5 Date Received: 06/23/2009 1832

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-10316		Instrument ID:	BNAMS6
Preparation:	3541	Prep Batch: 460-9972		Lab File ID:	m43691.d
Dilution:	1.0			Initial Weight/Volume:	15.04 g
Date Analyzed:	06/25/2009 1042			Final Weight/Volume:	1 mL
Date Prepared:	06/24/2009 0800			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Bis(2-chloroethyl)ether		45	U	9.5	45
1,3-Dichlorobenzene		450	U	62	450
1,4-Dichlorobenzene		450	U	68	450
1,2-Dichlorobenzene		450	U	73	450
N-Nitrosodi-n-propylamine		45	U	6.0	45
Hexachloroethane		45	U	7.7	45
Nitrobenzene		45	U	10	45
Isophorone		450	U	52	450
Bis(2-chloroethoxy)methane		450	U	65	450
1,2,4-Trichlorobenzene		45	U	7.4	45
Naphthalene		6100		67	450
4-Chloroaniline		450	U	57	450
Hexachlorobutadiene		92	U	18	92
2-Methylnaphthalene		450	J	66	450
Hexachlorocyclopentadiene		450	U	130	450
2-Chloronaphthalene		450	U	64	450
2-Nitroaniline		920	U	120	920
Dimethyl phthalate		450	U	61	450
Acenaphthylene		930		65	450
2,6-Dinitrotoluene		92	U	12	92
3-Nitroaniline		920	U	100	920
Acenaphthene		7800		65	450
Dibenzofuran		4600		68	450
2,4-Dinitrotoluene		92	U	13	92
Diethyl phthalate		450	U	61	450
4-Chlorophenyl phenyl ether		450	U	78	450
Fluorene		4600		77	450
4-Nitroaniline		920	U	94	920
N-Nitrosodiphenylamine		450	U	74	450
4-Bromophenyl phenyl ether		450	U	81	450
Hexachlorobenzene		45	U	6.3	45
Phenanthrene		5200		79	450
Anthracene		1600		80	450
Carbazole		990		72	450
Di-n-butyl phthalate		450	U	70	450
Fluoranthene		6800		76	450
Pyrene		5800		79	450
Butyl benzyl phthalate		450	U	53	450
3,3'-Dichlorobenzidine		920	U	100	920
Benzo[a]anthracene		3400		8.4	45
Chrysene		3400		66	450
Bis(2-ethylhexyl) phthalate		450	U	60	450
Di-n-octyl phthalate		450	U	54	450
Benzo[b]fluoranthene		3500		6.8	45
Benzo[k]fluoranthene		5300		6.4	45
Benzo[a]pyrene		4900		5.6	45

Client: Haley & Aldrich, Inc. Job Number: 460-3072-1

Client Sample ID: **B-127:A3**

Lab Sample ID: 460-3072-4 Date Sampled: 06/22/2009 0945
Client Matrix: Solid % Moisture: 27.5 Date Received: 06/23/2009 1832

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-10316		Instrument ID:	BNAMS6
Preparation:	3541	Prep Batch: 460-9972		Lab File ID:	m43691.d
Dilution:	1.0			Initial Weight/Volume:	15.04 g
Date Analyzed:	06/25/2009 1042			Final Weight/Volume:	1 mL
Date Prepared:	06/24/2009 0800			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Indeno[1,2,3-cd]pyrene		1400		7.3	45
Dibenz(a,h)anthracene		420		5.5	45
Benzo[g,h,i]perylene		1200		48	450
bis (2-chloroisopropyl) ether		450	U	60	450

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	72		36 - 93
Nitrobenzene-d5	65		31 - 97
Terphenyl-d14	80		40 - 129

Client: Haley & Aldrich, Inc. Job Number: 460-3072-1

Client Sample ID: **B-127:A3**

Lab Sample ID: 460-3072-4 Date Sampled: 06/22/2009 0945
Client Matrix: Solid % Moisture: 27.5 Date Received: 06/23/2009 1832

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-10316		Instrument ID:	BNAMS6
Preparation:	3541	Prep Batch: 460-9972		Lab File ID:	m43691.d
Dilution:	1.0			Initial Weight/Volume:	15.04 g
Date Analyzed:	06/25/2009 1042			Final Weight/Volume:	1 mL
Date Prepared:	06/24/2009 0800			Injection Volume:	1.0 uL

Tentatively Identified Compounds **Number TIC's Found:** **15**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
100-42-5	Styrene	5.02	1500	T J N
	Unknown	7.13	1400	T J
91-63-4	Quinoline, 2-methyl-	8.38	850	T J N
90-12-0	1-Methylnaphthalene	8.44	1900	
92-52-4	1,1'-Biphenyl	8.80	760	
	Dimethylnaphthalene isomer	9.06	1300	T J
	Trimethylnaphthalene isomer	9.73	1200	T J
1730-37-6	9H-Fluorene, 1-methyl-	10.52	1100	T J N
	C15H10 PAH	11.58	2000	T J
	Unknown	12.59	1000	T J
	C17H12 PAH	12.64	780	T J
	C17H12 PAH	12.76	1200	T J
	C17H12 PAH	12.83	890	T J
	C20H12 PAH	15.69	3800	T J
	C20H12 PAH	15.90	1700	T J

Client: Haley & Aldrich, Inc. Job Number: 460-3072-1

Client Sample ID: **FD 062209 01**

Lab Sample ID: 460-3072-5 Date Sampled: 06/22/2009 0930
Client Matrix: Solid % Moisture: 20.7 Date Received: 06/23/2009 1832

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-10316		Instrument ID:	BNAMS6
Preparation:	3541	Prep Batch: 460-9972		Lab File ID:	m43692.d
Dilution:	1.0			Initial Weight/Volume:	15.00 g
Date Analyzed:	06/25/2009 1106			Final Weight/Volume:	1 mL
Date Prepared:	06/24/2009 0800			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Bis(2-chloroethyl)ether		42	U	8.7	42
1,3-Dichlorobenzene		420	U	57	420
1,4-Dichlorobenzene		420	U	62	420
1,2-Dichlorobenzene		420	U	67	420
N-Nitrosodi-n-propylamine		42	U	5.5	42
Hexachloroethane		42	U	7.0	42
Nitrobenzene		42	U	9.3	42
Isophorone		420	U	48	420
Bis(2-chloroethoxy)methane		420	U	60	420
1,2,4-Trichlorobenzene		42	U	6.8	42
Naphthalene		140	J	61	420
4-Chloroaniline		420	U	52	420
Hexachlorobutadiene		85	U	17	85
2-Methylnaphthalene		65	J	61	420
Hexachlorocyclopentadiene		420	U	120	420
2-Chloronaphthalene		420	U	59	420
2-Nitroaniline		850	U	110	850
Dimethyl phthalate		420	U	56	420
Acenaphthylene		130	J	60	420
2,6-Dinitrotoluene		85	U	11	85
3-Nitroaniline		850	U	94	850
Acenaphthene		160	J	59	420
Dibenzofuran		82	J	63	420
2,4-Dinitrotoluene		85	U	12	85
Diethyl phthalate		420	U	56	420
4-Chlorophenyl phenyl ether		420	U	72	420
Fluorene		100	J	71	420
4-Nitroaniline		850	U	86	850
N-Nitrosodiphenylamine		420	U	68	420
4-Bromophenyl phenyl ether		420	U	74	420
Hexachlorobenzene		42	U	5.8	42
Phenanthrene		1200		73	420
Anthracene		380	J	74	420
Carbazole		170	J	66	420
Di-n-butyl phthalate		420	U	64	420
Fluoranthene		2200		69	420
Pyrene		2100		72	420
Butyl benzyl phthalate		420	U	49	420
3,3'-Dichlorobenzidine		850	U	92	850
Benzo[a]anthracene		2100		7.7	42
Chrysene		2000		61	420
Bis(2-ethylhexyl) phthalate		420	U	55	420
Di-n-octyl phthalate		420	U	50	420
Benzo[b]fluoranthene		2700		6.2	42
Benzo[k]fluoranthene		3700		5.8	42
Benzo[a]pyrene		3400		5.1	42

Client: Haley & Aldrich, Inc. Job Number: 460-3072-1

Client Sample ID: **FD 062209 01**

Lab Sample ID: 460-3072-5 Date Sampled: 06/22/2009 0930
Client Matrix: Solid % Moisture: 20.7 Date Received: 06/23/2009 1832

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-10316		Instrument ID:	BNAMS6
Preparation:	3541	Prep Batch: 460-9972		Lab File ID:	m43692.d
Dilution:	1.0			Initial Weight/Volume:	15.00 g
Date Analyzed:	06/25/2009 1106			Final Weight/Volume:	1 mL
Date Prepared:	06/24/2009 0800			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Indeno[1,2,3-cd]pyrene		1000		6.7	42
Dibenz(a,h)anthracene		430		5.0	42
Benzo[g,h,i]perylene		880		44	420
bis (2-chloroisopropyl) ether		420	U	55	420

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	70		36 - 93
Nitrobenzene-d5	66		31 - 97
Terphenyl-d14	72		40 - 129

Client: Haley & Aldrich, Inc. Job Number: 460-3072-1

Client Sample ID: **FD 062209 01**

Lab Sample ID: 460-3072-5 Date Sampled: 06/22/2009 0930
Client Matrix: Solid % Moisture: 20.7 Date Received: 06/23/2009 1832

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-10316		Instrument ID:	BNAMS6
Preparation:	3541	Prep Batch: 460-9972		Lab File ID:	m43692.d
Dilution:	1.0			Initial Weight/Volume:	15.00 g
Date Analyzed:	06/25/2009 1106			Final Weight/Volume:	1 mL
Date Prepared:	06/24/2009 0800			Injection Volume:	1.0 uL

Tentatively Identified Compounds **Number TIC's Found:** **13**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	C15H10 PAH	11.58	400	T J
	C17H12 PAH	12.75	400	T J
	C17H12 PAH	12.82	390	T J
	C18H12 PAH	13.96	410	T J
	Unknown	14.01	400	T J
	Unknown	14.09	370	T J
	C19H14 PAH	14.30	410	T J
	Unknown	15.04	490	T J
	C20H12 PAH	15.40	1100	T J
	Unknown	15.52	570	T J
	Unknown	15.59	650	T J
	C20H12 PAH	15.68	2700	T J
	C20H12 PAH	15.88	1300	T J

Client: Haley & Aldrich, Inc. Job Number: 460-3072-1

Client Sample ID: **FD 062209 02**

Lab Sample ID: 460-3072-6 Date Sampled: 06/22/2009 0945
Client Matrix: Solid % Moisture: 24.0 Date Received: 06/23/2009 1832

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-10316		Instrument ID:	BNAMS6
Preparation:	3541	Prep Batch: 460-9972		Lab File ID:	m43693.d
Dilution:	1.0			Initial Weight/Volume:	14.97 g
Date Analyzed:	06/25/2009 1131			Final Weight/Volume:	1 mL
Date Prepared:	06/24/2009 0800			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Bis(2-chloroethyl)ether		43	U	9.1	43
1,3-Dichlorobenzene		430	U	60	430
1,4-Dichlorobenzene		430	U	65	430
1,2-Dichlorobenzene		430	U	70	430
N-Nitrosodi-n-propylamine		43	U	5.8	43
Hexachloroethane		43	U	7.4	43
Nitrobenzene		43	U	9.8	43
Isophorone		430	U	50	430
Bis(2-chloroethoxy)methane		430	U	62	430
1,2,4-Trichlorobenzene		43	U	7.1	43
Naphthalene		110	J	64	430
4-Chloroaniline		430	U	55	430
Hexachlorobutadiene		88	U	18	88
2-Methylnaphthalene		430	U	64	430
Hexachlorocyclopentadiene		430	U	130	430
2-Chloronaphthalene		430	U	62	430
2-Nitroaniline		880	U	120	880
Dimethyl phthalate		430	U	59	430
Acenaphthylene		690		62	430
2,6-Dinitrotoluene		88	U	11	88
3-Nitroaniline		880	U	99	880
Acenaphthene		430	U	62	430
Dibenzofuran		430	U	66	430
2,4-Dinitrotoluene		88	U	13	88
Diethyl phthalate		430	U	59	430
4-Chlorophenyl phenyl ether		430	U	75	430
Fluorene		430	U	74	430
4-Nitroaniline		880	U	90	880
N-Nitrosodiphenylamine		430	U	71	430
4-Bromophenyl phenyl ether		430	U	78	430
Hexachlorobenzene		43	U	6.0	43
Phenanthrene		440		76	430
Anthracene		130	J	77	430
Carbazole		430	U	69	430
Di-n-butyl phthalate		430	U	67	430
Fluoranthene		480		72	430
Pyrene		460		75	430
Butyl benzyl phthalate		430	U	51	430
3,3'-Dichlorobenzidine		880	U	96	880
Benzo[a]anthracene		410		8.1	43
Chrysene		450		63	430
Bis(2-ethylhexyl) phthalate		430	U	58	430
Di-n-octyl phthalate		430	U	52	430
Benzo[b]fluoranthene		440		6.5	43
Benzo[k]fluoranthene		590		6.1	43
Benzo[a]pyrene		550		5.4	43

Client: Haley & Aldrich, Inc. Job Number: 460-3072-1

Client Sample ID: **FD 062209 02**

Lab Sample ID: 460-3072-6 Date Sampled: 06/22/2009 0945
Client Matrix: Solid % Moisture: 24.0 Date Received: 06/23/2009 1832

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-10316		Instrument ID:	BNAMS6
Preparation:	3541	Prep Batch: 460-9972		Lab File ID:	m43693.d
Dilution:	1.0			Initial Weight/Volume:	14.97 g
Date Analyzed:	06/25/2009 1131			Final Weight/Volume:	1 mL
Date Prepared:	06/24/2009 0800			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Indeno[1,2,3-cd]pyrene		190		7.0	43
Dibenz(a,h)anthracene		72		5.2	43
Benzo[g,h,i]perylene		170	J	46	430
bis (2-chloroisopropyl) ether		430	U	57	430

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	54		36 - 93
Nitrobenzene-d5	55		31 - 97
Terphenyl-d14	54		40 - 129

Client: Haley & Aldrich, Inc. Job Number: 460-3072-1

Client Sample ID: **FD 062209 02**

Lab Sample ID: 460-3072-6 Date Sampled: 06/22/2009 0945
Client Matrix: Solid % Moisture: 24.0 Date Received: 06/23/2009 1832

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-10316		Instrument ID:	BNAMS6
Preparation:	3541	Prep Batch: 460-9972		Lab File ID:	m43693.d
Dilution:	1.0			Initial Weight/Volume:	14.97 g
Date Analyzed:	06/25/2009 1131			Final Weight/Volume:	1 mL
Date Prepared:	06/24/2009 0800			Injection Volume:	1.0 uL

Tentatively Identified Compounds **Number TIC's Found:** **15**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
100-42-5	Styrene	5.02	1400	T J N
	C9H10 Aromatic	6.02	1700	T J
	Unknown	6.06	2100	T J
	C9H8 Aromatic	6.51	1100	T J
	C10H12 Aromatic	6.90	650	T J
	Unknown	7.13	1200	T J
	C10H10 Aromatic	7.31	1000	T J
	C10H10 Aromatic	7.38	1800	T J
	C10H14 Aromatic	7.81	1600	T J
	C10H14 Aromatic	7.85	780	T J
	C10H12 Aromatic	8.33	640	T J
	C11H16 Aromatic	8.62	570	T J
	Unknown	9.11	500	T J
	Unknown	10.43	420	T J
	C20H12 PAH	15.66	530	T J

Client: Haley & Aldrich, Inc. Job Number: 460-3072-1

Client Sample ID: **B-129MW:S1**

Lab Sample ID: 460-3072-7 Date Sampled: 06/23/2009 1400
Client Matrix: Solid % Moisture: 13.6 Date Received: 06/23/2009 1832

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-10382		Instrument ID:	BNAMS6
Preparation:	3541	Prep Batch: 460-10079		Lab File ID:	m43755.d
Dilution:	1.0			Initial Weight/Volume:	15.00 g
Date Analyzed:	06/27/2009 0706			Final Weight/Volume:	1 mL
Date Prepared:	06/25/2009 0600			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Bis(2-chloroethyl)ether		38	U	8.0	38
1,3-Dichlorobenzene		380	U	52	380
1,4-Dichlorobenzene		380	U	57	380
1,2-Dichlorobenzene		380	U	61	380
N-Nitrosodi-n-propylamine		38	U	5.1	38
Hexachloroethane		38	U	6.5	38
Nitrobenzene		38	U	8.6	38
Isophorone		380	U	44	380
Bis(2-chloroethoxy)methane		380	U	55	380
1,2,4-Trichlorobenzene		38	U	6.3	38
Naphthalene		380	U	56	380
4-Chloroaniline		380	U	48	380
Hexachlorobutadiene		78	U	16	78
2-Methylnaphthalene		97	J	56	380
Hexachlorocyclopentadiene		380	U	110	380
2-Chloronaphthalene		380	U	54	380
2-Nitroaniline		780	U	100	780
Dimethyl phthalate		380	U	52	380
Acenaphthylene		77	J	55	380
2,6-Dinitrotoluene		78	U	9.7	78
3-Nitroaniline		780	U *	87	780
Acenaphthene		380	U	54	380
Dibenzofuran		380	U	58	380
2,4-Dinitrotoluene		78	U	11	78
Diethyl phthalate		380	U	51	380
4-Chlorophenyl phenyl ether		380	U	66	380
Fluorene		380	U	65	380
4-Nitroaniline		780	U	79	780
N-Nitrosodiphenylamine		380	U	62	380
4-Bromophenyl phenyl ether		380	U	68	380
Hexachlorobenzene		38	U	5.3	38
Phenanthrene		280	J	67	380
Anthracene		380	U	68	380
Carbazole		380	U	61	380
Di-n-butyl phthalate		380	U	59	380
Fluoranthene		86	J	64	380
Pyrene		100	J	66	380
Butyl benzyl phthalate		380	U	45	380
3,3'-Dichlorobenzidine		780	U	85	780
Benzo[a]anthracene		56		7.1	38
Chrysene		120	J	56	380
Bis(2-ethylhexyl) phthalate		380	U	51	380
Di-n-octyl phthalate		380	U	45	380
Benzo[b]fluoranthene		32	J	5.7	38
Benzo[k]fluoranthene		23	J	5.4	38
Benzo[a]pyrene		27	J	4.7	38

Client: Haley & Aldrich, Inc. Job Number: 460-3072-1

Client Sample ID: **B-129MW:S1**

Lab Sample ID: 460-3072-7 Date Sampled: 06/23/2009 1400
Client Matrix: Solid % Moisture: 13.6 Date Received: 06/23/2009 1832

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-10382		Instrument ID:	BNAMS6
Preparation:	3541	Prep Batch: 460-10079		Lab File ID:	m43755.d
Dilution:	1.0			Initial Weight/Volume:	15.00 g
Date Analyzed:	06/27/2009 0706			Final Weight/Volume:	1 mL
Date Prepared:	06/25/2009 0600			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Indeno[1,2,3-cd]pyrene		15	J	6.1	38
Dibenz(a,h)anthracene		12	J	4.6	38
Benzo[g,h,i]perylene		380	U	40	380
bis (2-chloroisopropyl) ether		380	U	50	380

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	59		36 - 93
Nitrobenzene-d5	51		31 - 97
Terphenyl-d14	78		40 - 129

Client: Haley & Aldrich, Inc. Job Number: 460-3072-1

Client Sample ID: **B-129MW:S1**

Lab Sample ID: 460-3072-7 Date Sampled: 06/23/2009 1400
Client Matrix: Solid % Moisture: 13.6 Date Received: 06/23/2009 1832

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-10382		Instrument ID:	BNAMS6
Preparation:	3541	Prep Batch: 460-10079		Lab File ID:	m43755.d
Dilution:	1.0			Initial Weight/Volume:	15.00 g
Date Analyzed:	06/27/2009 0706			Final Weight/Volume:	1 mL
Date Prepared:	06/25/2009 0600			Injection Volume:	1.0 uL

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Tentatively Identified Compound		None	

Client: Haley & Aldrich, Inc. Job Number: 460-3072-1

Client Sample ID: **B-129MW:S5**

Lab Sample ID: 460-3072-8 Date Sampled: 06/23/2009 1435
Client Matrix: Solid % Moisture: 15.0 Date Received: 06/23/2009 1832

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-10493		Instrument ID:	BNAMS6
Preparation:	3541	Prep Batch: 460-10079		Lab File ID:	m43858.d
Dilution:	10			Initial Weight/Volume:	15.02 g
Date Analyzed:	06/30/2009 1722			Final Weight/Volume:	1 mL
Date Prepared:	06/25/2009 0600			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Bis(2-chloroethyl)ether		390	U	81	390
1,3-Dichlorobenzene		3900	U	530	3900
1,4-Dichlorobenzene		3900	U	580	3900
1,2-Dichlorobenzene		3900	U	620	3900
N-Nitrosodi-n-propylamine		390	U	51	390
Hexachloroethane		390	U	66	390
Nitrobenzene		390	U	87	390
Isophorone		3900	U	450	3900
Bis(2-chloroethoxy)methane		3900	U	550	3900
1,2,4-Trichlorobenzene		390	U	64	390
Naphthalene		3100	J	570	3900
4-Chloroaniline		3900	U	490	3900
Hexachlorobutadiene		790	U	160	790
2-Methylnaphthalene		1300	J	570	3900
Hexachlorocyclopentadiene		3900	U	1100	3900
2-Chloronaphthalene		3900	U	550	3900
2-Nitroaniline		7900	U	1100	7900
Dimethyl phthalate		3900	U	530	3900
Acenaphthylene		7900		560	3900
2,6-Dinitrotoluene		790	U	99	790
3-Nitroaniline		7900	U *	880	7900
Acenaphthene		44000		550	3900
Dibenzofuran		2000	J	580	3900
2,4-Dinitrotoluene		790	U	110	790
Diethyl phthalate		3900	U	520	3900
4-Chlorophenyl phenyl ether		3900	U	670	3900
Fluorene		19000		660	3900
4-Nitroaniline		7900	U	800	7900
N-Nitrosodiphenylamine		3900	U	630	3900
4-Bromophenyl phenyl ether		3900	U	690	3900
Hexachlorobenzene		390	U	54	390
Phenanthrene		60000		680	3900
Anthracene		17000		690	3900
Carbazole		3900	U	620	3900
Di-n-butyl phthalate		3900	U	590	3900
Fluoranthene		15000		650	3900
Pyrene		23000		670	3900
Butyl benzyl phthalate		3900	U	450	3900
3,3'-Dichlorobenzidine		7900	U	860	7900
Benzo[a]anthracene		9700		72	390
Chrysene		9000		570	3900
Bis(2-ethylhexyl) phthalate		3900	U	520	3900
Di-n-octyl phthalate		3900	U	460	3900
Benzo[b]fluoranthene		2900		58	390
Benzo[k]fluoranthene		4900		54	390
Benzo[a]pyrene		6300		48	390

Client: Haley & Aldrich, Inc. Job Number: 460-3072-1

Client Sample ID: **B-129MW:S5**

Lab Sample ID: 460-3072-8 Date Sampled: 06/23/2009 1435
Client Matrix: Solid % Moisture: 15.0 Date Received: 06/23/2009 1832

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-10493		Instrument ID:	BNAMS6
Preparation:	3541	Prep Batch: 460-10079		Lab File ID:	m43858.d
Dilution:	10			Initial Weight/Volume:	15.02 g
Date Analyzed:	06/30/2009 1722			Final Weight/Volume:	1 mL
Date Prepared:	06/25/2009 0600			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Indeno[1,2,3-cd]pyrene		1800		62	390
Dibenz(a,h)anthracene		960		47	390
Benzo[g,h,i]perylene		2200	J	410	3900
bis (2-chloroisopropyl) ether		3900	U	510	3900

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	0	D	36 - 93
Nitrobenzene-d5	0	D	31 - 97
Terphenyl-d14	0	D	40 - 129

Client: Haley & Aldrich, Inc. Job Number: 460-3072-1

Client Sample ID: **B-129MW:S5**

Lab Sample ID: 460-3072-8 Date Sampled: 06/23/2009 1435
Client Matrix: Solid % Moisture: 15.0 Date Received: 06/23/2009 1832

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-10493		Instrument ID:	BNAMS6
Preparation:	3541	Prep Batch: 460-10079		Lab File ID:	m43858.d
Dilution:	10			Initial Weight/Volume:	15.02 g
Date Analyzed:	06/30/2009 1722			Final Weight/Volume:	1 mL
Date Prepared:	06/25/2009 0600			Injection Volume:	1.0 uL

Tentatively Identified Compounds **Number TIC's Found:** **15**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	C10H10 PAH	7.13	12000	T J
90-12-0	1-Methylnaphthalene	8.20	89000	
92-52-4	1,1'-Biphenyl	8.55	10000	
	Dimethylnaphthalene isomer	8.72	19000	T J
	Dimethylnaphthalene isomer	8.81	31000	T J
	Dimethylnaphthalene isomer	8.93	10000	T J
	Trimethylnaphthalene isomer	9.49	10000	T J
	Trimethylnaphthalene isomer	9.57	9000	T J
	C13H10 PAH	9.70	8800	T J
	Unknown	9.85	6800	T J
	C13H10 PAH	9.94	9800	T J
	Methylflourene isomer	10.27	11000	T J
	C15H12 PAH	11.17	12000	T J
	C15H12 PAH	11.20	13000	T J
	C15H12 PAH	11.32	27000	T J

Client: Haley & Aldrich, Inc. Job Number: 460-3072-1

Client Sample ID: **B-128:A1**

Lab Sample ID: 460-3072-1 Date Sampled: 06/22/2009 0755
Client Matrix: Solid % Moisture: 20.5 Date Received: 06/23/2009 1832

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 460-10389		Instrument ID:	PESTGC1
Preparation:	3541	Prep Batch: 460-9961		Initial Weight/Volume:	15.02 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	06/25/2009 1304			Injection Volume:	1.0 uL
Date Prepared:	06/24/2009 0443			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aldrin		8.4	U	1.8	8.4
alpha-BHC		8.4	U	1.6	8.4
beta-BHC		1.3	J	1.1	8.4
delta-BHC		8.4	U	1.3	8.4
gamma-BHC (Lindane)		8.3	J	0.98	8.4
Chlordane		84	U	18	84
4,4'-DDD		5.1	J	1.0	8.4
4,4'-DDE		5.7	J	1.6	8.4
4,4'-DDT		4.9	J	1.1	8.4
Dieldrin		8.4	U	1.6	8.4
Endosulfan I		8.4	U	1.8	8.4
Endosulfan II		5.9	J	1.3	8.4
Endosulfan sulfate		4.6	J	1.1	8.4
Endrin		8.4	U	1.2	8.4
Endrin aldehyde		3.2	J	2.1	8.4
Endrin ketone		5.8	J	1.2	8.4
Heptachlor		8.4	U	1.2	8.4
Heptachlor epoxide		8.4	U	1.7	8.4
Methoxychlor		9.7		0.94	8.4
Toxaphene		84	U	18	84

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	67		26 - 126
DCB Decachlorobiphenyl	77		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-3072-1

Client Sample ID: **B-128:A1**

Lab Sample ID: 460-3072-1 Date Sampled: 06/22/2009 0755
Client Matrix: Solid % Moisture: 20.5 Date Received: 06/23/2009 1832

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 460-10389	Instrument ID:	PESTGC1
Preparation:	3541	Prep Batch: 460-9961	Initial Weight/Volume:	15.02 g
Dilution:	1.0		Final Weight/Volume:	10 mL
Date Analyzed:	06/25/2009 1304		Injection Volume:	1.0 uL
Date Prepared:	06/24/2009 0443		Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	111		26 - 126
DCB Decachlorobiphenyl	135		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-3072-1

Client Sample ID: **B-128:A3**

Lab Sample ID: 460-3072-2 Date Sampled: 06/22/2009 0803
Client Matrix: Solid % Moisture: 23.3 Date Received: 06/23/2009 1832

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 460-10389		Instrument ID:	PESTGC1
Preparation:	3541	Prep Batch: 460-9961		Initial Weight/Volume:	15.01 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	06/25/2009 1318			Injection Volume:	1.0 uL
Date Prepared:	06/24/2009 0443			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aldrin		8.7	U	1.9	8.7
alpha-BHC		8.7	U	1.6	8.7
beta-BHC		8.7	U	1.2	8.7
delta-BHC		8.7	U	1.3	8.7
gamma-BHC (Lindane)		8.7	U	1.0	8.7
Chlordane		87	U	19	87
4,4'-DDD		8.7	U	1.0	8.7
4,4'-DDE		8.7	U	1.7	8.7
4,4'-DDT		1.2	J	1.1	8.7
Dieldrin		8.7	U	1.7	8.7
Endosulfan I		8.7	U	1.8	8.7
Endosulfan II		1.7	J	1.3	8.7
Endosulfan sulfate		1.7	J	1.1	8.7
Endrin		2.1	J	1.2	8.7
Endrin aldehyde		4.4	J	2.2	8.7
Endrin ketone		9.6		1.3	8.7
Heptachlor		8.7	U	1.3	8.7
Heptachlor epoxide		8.7	U	1.8	8.7
Methoxychlor		8.7	U	0.98	8.7
Toxaphene		87	U	18	87

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	75		26 - 126
DCB Decachlorobiphenyl	78		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-3072-1

Client Sample ID: **B-128:A3**

Lab Sample ID: 460-3072-2 Date Sampled: 06/22/2009 0803
Client Matrix: Solid % Moisture: 23.3 Date Received: 06/23/2009 1832

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 460-10389	Instrument ID:	PESTGC1
Preparation:	3541	Prep Batch: 460-9961	Initial Weight/Volume:	15.01 g
Dilution:	1.0		Final Weight/Volume:	10 mL
Date Analyzed:	06/25/2009 1318		Injection Volume:	1.0 uL
Date Prepared:	06/24/2009 0443		Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	64		26 - 126
DCB Decachlorobiphenyl	149		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-3072-1

Client Sample ID: **B-127:A1**

Lab Sample ID: 460-3072-3 Date Sampled: 06/22/2009 0930
Client Matrix: Solid % Moisture: 17.4 Date Received: 06/23/2009 1832

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 460-10389		Instrument ID:	PESTGC1
Preparation:	3541	Prep Batch: 460-9961		Initial Weight/Volume:	15.04 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	06/25/2009 1331			Injection Volume:	1.0 uL
Date Prepared:	06/24/2009 0443			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aldrin		8.1	U	1.8	8.1
alpha-BHC		8.1	U	1.5	8.1
beta-BHC		8.1	U	1.1	8.1
delta-BHC		8.1	U	1.2	8.1
gamma-BHC (Lindane)		8.1	U	0.94	8.1
Chlordane		81	U	18	81
4,4'-DDD		8.1	U	0.97	8.1
4,4'-DDE		8.1	U	1.6	8.1
4,4'-DDT		3.5	J	1.0	8.1
Dieldrin		8.1	U	1.6	8.1
Endosulfan I		8.1	U	1.7	8.1
Endosulfan II		8.1	U	1.2	8.1
Endosulfan sulfate		8.1	U	1.0	8.1
Endrin		8.1	U	1.1	8.1
Endrin aldehyde		8.1	U	2.0	8.1
Endrin ketone		4.7	J	1.2	8.1
Heptachlor		8.1	U	1.2	8.1
Heptachlor epoxide		8.1	U	1.6	8.1
Methoxychlor		8.1	U	0.91	8.1
Toxaphene		81	U	17	81

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	72		26 - 126
DCB Decachlorobiphenyl	60		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-3072-1

Client Sample ID: **B-127:A1**

Lab Sample ID: 460-3072-3 Date Sampled: 06/22/2009 0930
Client Matrix: Solid % Moisture: 17.4 Date Received: 06/23/2009 1832

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 460-10389	Instrument ID:	PESTGC1
Preparation:	3541	Prep Batch: 460-9961	Initial Weight/Volume:	15.04 g
Dilution:	1.0		Final Weight/Volume:	10 mL
Date Analyzed:	06/25/2009 1331		Injection Volume:	1.0 uL
Date Prepared:	06/24/2009 0443		Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	71		26 - 126
DCB Decachlorobiphenyl	56		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-3072-1

Client Sample ID: **B-127:A3**

Lab Sample ID: 460-3072-4 Date Sampled: 06/22/2009 0945
Client Matrix: Solid % Moisture: 27.5 Date Received: 06/23/2009 1832

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 460-10389		Instrument ID:	PESTGC1
Preparation:	3541	Prep Batch: 460-9961		Initial Weight/Volume:	15.02 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	06/25/2009 1345			Injection Volume:	1.0 uL
Date Prepared:	06/24/2009 0443			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aldrin		9.2	U	2.0	9.2
alpha-BHC		9.2	U	1.7	9.2
beta-BHC		2.9	J	1.3	9.2
delta-BHC		9.2	U	1.4	9.2
gamma-BHC (Lindane)		1.3	J	1.1	9.2
Chlordane		92	U	20	92
4,4'-DDD		9.2	U	1.1	9.2
4,4'-DDE		3.4	J	1.8	9.2
4,4'-DDT		7.7	J	1.2	9.2
Dieldrin		9.2	U	1.8	9.2
Endosulfan I		9.2	U	1.9	9.2
Endosulfan II		3.1	J	1.4	9.2
Endosulfan sulfate		9.2	U	1.2	9.2
Endrin		9.2	U	1.3	9.2
Endrin aldehyde		9.2	U	2.3	9.2
Endrin ketone		9.2	U	1.4	9.2
Heptachlor		9.2	U	1.3	9.2
Heptachlor epoxide		9.2	U	1.9	9.2
Methoxychlor		15		1.0	9.2
Toxaphene		92	U	19	92

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	60		26 - 126
DCB Decachlorobiphenyl	48		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-3072-1

Client Sample ID: **B-127:A3**

Lab Sample ID: 460-3072-4 Date Sampled: 06/22/2009 0945
Client Matrix: Solid % Moisture: 27.5 Date Received: 06/23/2009 1832

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 460-10389	Instrument ID:	PESTGC1
Preparation:	3541	Prep Batch: 460-9961	Initial Weight/Volume:	15.02 g
Dilution:	1.0		Final Weight/Volume:	10 mL
Date Analyzed:	06/25/2009 1345		Injection Volume:	1.0 uL
Date Prepared:	06/24/2009 0443		Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	45		26 - 126
DCB Decachlorobiphenyl	144		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-3072-1

Client Sample ID: **FD 062209 01**

Lab Sample ID: 460-3072-5 Date Sampled: 06/22/2009 0930
Client Matrix: Solid % Moisture: 20.7 Date Received: 06/23/2009 1832

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 460-10389		Instrument ID:	PESTGC1
Preparation:	3541	Prep Batch: 460-9961		Initial Weight/Volume:	15.03 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	06/25/2009 1359			Injection Volume:	1.0 uL
Date Prepared:	06/24/2009 0443			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aldrin		8.4	U	1.9	8.4
alpha-BHC		8.4	U	1.6	8.4
beta-BHC		8.4	U	1.1	8.4
delta-BHC		8.4	U	1.3	8.4
gamma-BHC (Lindane)		8.4	U	0.98	8.4
Chlordane		84	U	18	84
4,4'-DDD		8.4	U	1.0	8.4
4,4'-DDE		8.4	U	1.6	8.4
4,4'-DDT		1.5	J	1.1	8.4
Dieldrin		8.4	U	1.6	8.4
Endosulfan I		8.4	U	1.8	8.4
Endosulfan II		8.4	U	1.3	8.4
Endosulfan sulfate		1.5	J	1.1	8.4
Endrin		1.4	J	1.2	8.4
Endrin aldehyde		8.4	U	2.1	8.4
Endrin ketone		6.0	J	1.2	8.4
Heptachlor		8.4	U	1.2	8.4
Heptachlor epoxide		8.4	U	1.7	8.4
Methoxychlor		8.4	U	0.94	8.4
Toxaphene		84	U	18	84

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	92		26 - 126
DCB Decachlorobiphenyl	88		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-3072-1

Client Sample ID: **FD 062209 01**

Lab Sample ID: 460-3072-5 Date Sampled: 06/22/2009 0930
Client Matrix: Solid % Moisture: 20.7 Date Received: 06/23/2009 1832

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 460-10389	Instrument ID:	PESTGC1
Preparation:	3541	Prep Batch: 460-9961	Initial Weight/Volume:	15.03 g
Dilution:	1.0		Final Weight/Volume:	10 mL
Date Analyzed:	06/25/2009 1359		Injection Volume:	1.0 uL
Date Prepared:	06/24/2009 0443		Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	86		26 - 126
DCB Decachlorobiphenyl	177	X	48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-3072-1

Client Sample ID: **FD 062209 02**

Lab Sample ID: 460-3072-6 Date Sampled: 06/22/2009 0945
Client Matrix: Solid % Moisture: 24.0 Date Received: 06/23/2009 1832

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 460-10389		Instrument ID:	PESTGC1
Preparation:	3541	Prep Batch: 460-9961		Initial Weight/Volume:	15.02 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	06/25/2009 1413			Injection Volume:	1.0 uL
Date Prepared:	06/24/2009 0443			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aldrin		8.8	U	1.9	8.8
alpha-BHC		8.8	U	1.6	8.8
beta-BHC		8.8	U	1.2	8.8
delta-BHC		8.8	U	1.3	8.8
gamma-BHC (Lindane)		1.6	J	1.0	8.8
Chlordane		88	U	19	88
4,4'-DDD		4.7	J	1.1	8.8
4,4'-DDE		5.2	J	1.7	8.8
4,4'-DDT		4.2	J	1.1	8.8
Dieldrin		2.5	J	1.7	8.8
Endosulfan I		8.8	U	1.9	8.8
Endosulfan II		3.4	J	1.3	8.8
Endosulfan sulfate		6.4	J	1.1	8.8
Endrin		8.8	U	1.2	8.8
Endrin aldehyde		5.4	J	2.2	8.8
Endrin ketone		8.8	U	1.3	8.8
Heptachlor		8.8	U	1.3	8.8
Heptachlor epoxide		8.8	U	1.8	8.8
Methoxychlor		14		0.99	8.8
Toxaphene		88	U	18	88

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	70		26 - 126
DCB Decachlorobiphenyl	130		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-3072-1

Client Sample ID: **FD 062209 02**

Lab Sample ID: 460-3072-6 Date Sampled: 06/22/2009 0945
Client Matrix: Solid % Moisture: 24.0 Date Received: 06/23/2009 1832

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 460-10389	Instrument ID:	PESTGC1
Preparation:	3541	Prep Batch: 460-9961	Initial Weight/Volume:	15.02 g
Dilution:	1.0		Final Weight/Volume:	10 mL
Date Analyzed:	06/25/2009 1413		Injection Volume:	1.0 uL
Date Prepared:	06/24/2009 0443		Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	122		26 - 126
DCB Decachlorobiphenyl	115		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-3072-1

Client Sample ID: **B-129MW:S1**

Lab Sample ID: 460-3072-7 Date Sampled: 06/23/2009 1400
Client Matrix: Solid % Moisture: 13.6 Date Received: 06/23/2009 1832

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 460-10389		Instrument ID:	PESTGC1
Preparation:	3541	Prep Batch: 460-9961		Initial Weight/Volume:	15.04 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	06/25/2009 1441			Injection Volume:	1.0 uL
Date Prepared:	06/24/2009 0443			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aldrin		7.7	U	1.7	7.7
alpha-BHC		7.7	U	1.4	7.7
beta-BHC		7.7	U	1.1	7.7
delta-BHC		7.7	U	1.2	7.7
gamma-BHC (Lindane)		7.7	U	0.90	7.7
Chlordane		77	U	17	77
4,4'-DDD		7.7	U	0.92	7.7
4,4'-DDE		7.7	U	1.5	7.7
4,4'-DDT		3.3	J	0.97	7.7
Dieldrin		7.7	U	1.5	7.7
Endosulfan I		7.7	U	1.6	7.7
Endosulfan II		7.7	U	1.2	7.7
Endosulfan sulfate		12		0.99	7.7
Endrin		7.7	U	1.1	7.7
Endrin aldehyde		24		1.9	7.7
Endrin ketone		7.7	U	1.1	7.7
Heptachlor		7.7	U	1.1	7.7
Heptachlor epoxide		7.7	U	1.6	7.7
Methoxychlor		7.7	U	0.87	7.7
Toxaphene		77	U	16	77

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	78		26 - 126
DCB Decachlorobiphenyl	56		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-3072-1

Client Sample ID: **B-129MW:S1**

Lab Sample ID: 460-3072-7 Date Sampled: 06/23/2009 1400
Client Matrix: Solid % Moisture: 13.6 Date Received: 06/23/2009 1832

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 460-10389	Instrument ID:	PESTGC1
Preparation:	3541	Prep Batch: 460-9961	Initial Weight/Volume:	15.04 g
Dilution:	1.0		Final Weight/Volume:	10 mL
Date Analyzed:	06/25/2009 1441		Injection Volume:	1.0 uL
Date Prepared:	06/24/2009 0443		Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	65		26 - 126
DCB Decachlorobiphenyl	100		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-3072-1

Client Sample ID: **B-129MW:S5**

Lab Sample ID: 460-3072-8 Date Sampled: 06/23/2009 1435
Client Matrix: Solid % Moisture: 15.0 Date Received: 06/23/2009 1832

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 460-10389		Instrument ID:	PESTGC1
Preparation:	3541	Prep Batch: 460-9961		Initial Weight/Volume:	15.00 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	06/25/2009 1427			Injection Volume:	1.0 uL
Date Prepared:	06/24/2009 0443			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aldrin		2.7	J	1.7	7.9
alpha-BHC		7.9	U	1.5	7.9
beta-BHC		16		1.1	7.9
delta-BHC		7.9	U	1.2	7.9
gamma-BHC (Lindane)		6.7	J	0.92	7.9
Chlordane		79	U	17	79
4,4'-DDD		2.1	J	0.94	7.9
4,4'-DDE		4.1	J	1.5	7.9
4,4'-DDT		52		0.99	7.9
Dieldrin		7.9	U	1.5	7.9
Endosulfan I		7.9	U	1.7	7.9
Endosulfan II		7.9	U	1.2	7.9
Endosulfan sulfate		7.9	U	1.0	7.9
Endrin		7.9	U	1.1	7.9
Endrin aldehyde		12		2.0	7.9
Endrin ketone		13		1.2	7.9
Heptachlor		7.9	U	1.1	7.9
Heptachlor epoxide		7.9	U	1.6	7.9
Methoxychlor		55		0.88	7.9
Toxaphene		79	U	16	79

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	106		26 - 126
DCB Decachlorobiphenyl	49		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-3072-1

Client Sample ID: **B-129MW:S5**

Lab Sample ID: 460-3072-8 Date Sampled: 06/23/2009 1435
Client Matrix: Solid % Moisture: 15.0 Date Received: 06/23/2009 1832

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 460-10389	Instrument ID:	PESTGC1
Preparation:	3541	Prep Batch: 460-9961	Initial Weight/Volume:	15.00 g
Dilution:	1.0		Final Weight/Volume:	10 mL
Date Analyzed:	06/25/2009 1427		Injection Volume:	1.0 uL
Date Prepared:	06/24/2009 0443		Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	105		26 - 126
DCB Decachlorobiphenyl	554	E X	48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-3072-1

Client Sample ID: **B-128:A1**

Lab Sample ID: 460-3072-1 Date Sampled: 06/22/2009 0755
Client Matrix: Solid % Moisture: 20.5 Date Received: 06/23/2009 1832

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 460-10169		Instrument ID:	PESTGC7
Preparation:	3541	Prep Batch: 460-9962		Initial Weight/Volume:	15.05 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	06/24/2009 2151			Injection Volume:	1.0 uL
Date Prepared:	06/24/2009 0444			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		84	U	16	84
Aroclor 1221		84	U	25	84
Aroclor 1232		84	U	48	84
Aroclor 1242		84	U	16	84
Aroclor 1248		84	U	22	84
Aroclor 1254		84	U	29	84
Aroclor 1260		84	U	9.4	84
Aroclor 1262		84	U	14	84
Aroclor 1268		84	U	14	84

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	128		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-3072-1

Client Sample ID: **B-128:A1**

Lab Sample ID: 460-3072-1 Date Sampled: 06/22/2009 0755
Client Matrix: Solid % Moisture: 20.5 Date Received: 06/23/2009 1832

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 460-10169		Instrument ID:	PESTGC7
Preparation:	3541	Prep Batch: 460-9962		Initial Weight/Volume:	15.05 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	06/24/2009 2151			Injection Volume:	1.0 uL
Date Prepared:	06/24/2009 0444			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	124		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-3072-1

Client Sample ID: **B-128:A3**

Lab Sample ID: 460-3072-2 Date Sampled: 06/22/2009 0803
Client Matrix: Solid % Moisture: 23.3 Date Received: 06/23/2009 1832

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 460-10169		Instrument ID:	PESTGC7
Preparation:	3541	Prep Batch: 460-9962		Initial Weight/Volume:	15.01 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	06/24/2009 2208			Injection Volume:	1.0 uL
Date Prepared:	06/24/2009 0444			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		87	U	17	87
Aroclor 1221		87	U	26	87
Aroclor 1232		87	U	49	87
Aroclor 1242		87	U	17	87
Aroclor 1248		87	U	23	87
Aroclor 1254		87	U	30	87
Aroclor 1260		87	U	9.7	87
Aroclor 1262		87	U	15	87
Aroclor 1268		87	U	15	87

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	155	X	48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-3072-1

Client Sample ID: **B-128:A3**

Lab Sample ID: 460-3072-2 Date Sampled: 06/22/2009 0803
Client Matrix: Solid % Moisture: 23.3 Date Received: 06/23/2009 1832

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 460-10169		Instrument ID:	PESTGC7
Preparation:	3541	Prep Batch: 460-9962		Initial Weight/Volume:	15.01 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	06/24/2009 2208			Injection Volume:	1.0 uL
Date Prepared:	06/24/2009 0444			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	121		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-3072-1

Client Sample ID: **B-127:A1**

Lab Sample ID: 460-3072-3 Date Sampled: 06/22/2009 0930
Client Matrix: Solid % Moisture: 17.4 Date Received: 06/23/2009 1832

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 460-10169		Instrument ID:	PESTGC7
Preparation:	3541	Prep Batch: 460-9962		Initial Weight/Volume:	15.00 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	06/24/2009 2224			Injection Volume:	1.0 uL
Date Prepared:	06/24/2009 0444			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		81	U	16	81
Aroclor 1221		81	U	24	81
Aroclor 1232		81	U	46	81
Aroclor 1242		81	U	15	81
Aroclor 1248		81	U	22	81
Aroclor 1254		81	U	28	81
Aroclor 1260		81	U	9.1	81
Aroclor 1262		81	U	14	81
Aroclor 1268		81	U	14	81

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	65		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-3072-1

Client Sample ID: **B-127:A1**

Lab Sample ID: 460-3072-3 Date Sampled: 06/22/2009 0930
Client Matrix: Solid % Moisture: 17.4 Date Received: 06/23/2009 1832

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 460-10169		Instrument ID:	PESTGC7
Preparation:	3541	Prep Batch: 460-9962		Initial Weight/Volume:	15.00 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	06/24/2009 2224			Injection Volume:	1.0 uL
Date Prepared:	06/24/2009 0444			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	123		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-3072-1

Client Sample ID: **B-127:A3**

Lab Sample ID: 460-3072-4 Date Sampled: 06/22/2009 0945
Client Matrix: Solid % Moisture: 27.5 Date Received: 06/23/2009 1832

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 460-10169		Instrument ID:	PESTGC7
Preparation:	3541	Prep Batch: 460-9962		Initial Weight/Volume:	15.02 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	06/24/2009 2240			Injection Volume:	1.0 uL
Date Prepared:	06/24/2009 0444			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		92	U	18	92
Aroclor 1221		92	U	28	92
Aroclor 1232		92	U	52	92
Aroclor 1242		92	U	17	92
Aroclor 1248		92	U	25	92
Aroclor 1254		92	U	32	92
Aroclor 1260		92	U	10	92
Aroclor 1262		92	U	16	92
Aroclor 1268		92	U	16	92

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	110		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-3072-1

Client Sample ID: **B-127:A3**

Lab Sample ID: 460-3072-4 Date Sampled: 06/22/2009 0945
Client Matrix: Solid % Moisture: 27.5 Date Received: 06/23/2009 1832

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 460-10169		Instrument ID:	PESTGC7
Preparation:	3541	Prep Batch: 460-9962		Initial Weight/Volume:	15.02 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	06/24/2009 2240			Injection Volume:	1.0 uL
Date Prepared:	06/24/2009 0444			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	104		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-3072-1

Client Sample ID: **FD 062209 01**

Lab Sample ID: 460-3072-5 Date Sampled: 06/22/2009 0930
Client Matrix: Solid % Moisture: 20.7 Date Received: 06/23/2009 1832

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 460-10169		Instrument ID:	PESTGC7
Preparation:	3541	Prep Batch: 460-9962		Initial Weight/Volume:	15.04 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	06/24/2009 2257			Injection Volume:	1.0 uL
Date Prepared:	06/24/2009 0444			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		84	U	16	84
Aroclor 1221		84	U	25	84
Aroclor 1232		84	U	48	84
Aroclor 1242		84	U	16	84
Aroclor 1248		84	U	22	84
Aroclor 1254		84	U	29	84
Aroclor 1260		84	U	9.4	84
Aroclor 1262		84	U	14	84
Aroclor 1268		84	U	14	84

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	135		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-3072-1

Client Sample ID: **FD 062209 01**

Lab Sample ID: 460-3072-5 Date Sampled: 06/22/2009 0930
Client Matrix: Solid % Moisture: 20.7 Date Received: 06/23/2009 1832

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 460-10169		Instrument ID:	PESTGC7
Preparation:	3541	Prep Batch: 460-9962		Initial Weight/Volume:	15.04 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	06/24/2009 2257			Injection Volume:	1.0 uL
Date Prepared:	06/24/2009 0444			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	116		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-3072-1

Client Sample ID: **FD 062209 02**

Lab Sample ID: 460-3072-6 Date Sampled: 06/22/2009 0945
Client Matrix: Solid % Moisture: 24.0 Date Received: 06/23/2009 1832

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 460-10169		Instrument ID:	PESTGC7
Preparation:	3541	Prep Batch: 460-9962		Initial Weight/Volume:	15.02 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	06/24/2009 2314			Injection Volume:	1.0 uL
Date Prepared:	06/24/2009 0444			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		88	U	17	88
Aroclor 1221		88	U	27	88
Aroclor 1232		88	U	50	88
Aroclor 1242		88	U	17	88
Aroclor 1248		88	U	23	88
Aroclor 1254		88	U	30	88
Aroclor 1260		88	U	9.8	88
Aroclor 1262		88	U	15	88
Aroclor 1268		88	U	15	88

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	90		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-3072-1

Client Sample ID: **FD 062209 02**

Lab Sample ID: 460-3072-6 Date Sampled: 06/22/2009 0945
Client Matrix: Solid % Moisture: 24.0 Date Received: 06/23/2009 1832

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 460-10169		Instrument ID:	PESTGC7
Preparation:	3541	Prep Batch: 460-9962		Initial Weight/Volume:	15.02 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	06/24/2009 2314			Injection Volume:	1.0 uL
Date Prepared:	06/24/2009 0444			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	158	X	48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-3072-1

Client Sample ID: **B-129MW:S1**

Lab Sample ID: 460-3072-7 Date Sampled: 06/23/2009 1400
Client Matrix: Solid % Moisture: 13.6 Date Received: 06/23/2009 1832

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 460-10169		Instrument ID:	PESTGC7
Preparation:	3541	Prep Batch: 460-9962		Initial Weight/Volume:	15.03 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	06/24/2009 2330			Injection Volume:	1.0 uL
Date Prepared:	06/24/2009 0444			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		77	U	15	77
Aroclor 1221		77	U	23	77
Aroclor 1232		77	U	44	77
Aroclor 1242		77	U	15	77
Aroclor 1248		77	U	21	77
Aroclor 1254		77	U	26	77
Aroclor 1260		77	U	8.6	77
Aroclor 1262		77	U	13	77
Aroclor 1268		77	U	13	77

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	85		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-3072-1

Client Sample ID: **B-129MW:S1**

Lab Sample ID: 460-3072-7 Date Sampled: 06/23/2009 1400
Client Matrix: Solid % Moisture: 13.6 Date Received: 06/23/2009 1832

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 460-10169		Instrument ID:	PESTGC7
Preparation:	3541	Prep Batch: 460-9962		Initial Weight/Volume:	15.03 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	06/24/2009 2330			Injection Volume:	1.0 uL
Date Prepared:	06/24/2009 0444			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	69		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-3072-1

Client Sample ID: **B-129MW:S5**

Lab Sample ID: 460-3072-8 Date Sampled: 06/23/2009 1435
Client Matrix: Solid % Moisture: 15.0 Date Received: 06/23/2009 1832

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 460-10169		Instrument ID:	PESTGC7
Preparation:	3541	Prep Batch: 460-9962		Initial Weight/Volume:	15.02 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	06/24/2009 2347			Injection Volume:	1.0 uL
Date Prepared:	06/24/2009 0444			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		79	U	15	79
Aroclor 1221		79	U	24	79
Aroclor 1232		79	U	45	79
Aroclor 1242		79	U	15	79
Aroclor 1248		79	U	21	79
Aroclor 1254		79	U	27	79
Aroclor 1260		79	U	8.8	79
Aroclor 1262		79	U	14	79
Aroclor 1268		79	U	14	79

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	182	X	48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-3072-1

Client Sample ID: **B-129MW:S5**

Lab Sample ID: 460-3072-8 Date Sampled: 06/23/2009 1435
Client Matrix: Solid % Moisture: 15.0 Date Received: 06/23/2009 1832

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 460-10169		Instrument ID:	PESTGC7
Preparation:	3541	Prep Batch: 460-9962		Initial Weight/Volume:	15.02 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	06/24/2009 2347			Injection Volume:	1.0 uL
Date Prepared:	06/24/2009 0444			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	145		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-3072-1

Client Sample ID: **B-128:A1**

Lab Sample ID: 460-3072-1 Date Sampled: 06/22/2009 0755
Client Matrix: Solid % Moisture: 20.5 Date Received: 06/23/2009 1832

NJ-OQA-QAM-025 New Jersey - Total petroleum Hydrocarbons (GC)

Method:	NJ-OQA-QAM-025	Analysis Batch: 460-10225		Instrument ID:	BNAGC1
Preparation:	3541	Prep Batch: 460-9992		Lab File ID:	gcr33772.d
Dilution:	2.0			Initial Weight/Volume:	15.03 g
Date Analyzed:	06/26/2009 1342	Run Type:	DL	Final Weight/Volume:	1 mL
Date Prepared:	06/24/2009 1013			Injection Volume:	1 uL

Analyte DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL	RL
Total Petroleum Hydrocarbons (C8-C40)	350		14	14

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	82		46 - 124
Chlorobenzene	42		19 - 98

Client: Haley & Aldrich, Inc. Job Number: 460-3072-1

Client Sample ID: **B-128:A3**

Lab Sample ID: 460-3072-2 Date Sampled: 06/22/2009 0803
Client Matrix: Solid % Moisture: 23.3 Date Received: 06/23/2009 1832

NJ-OQA-QAM-025 New Jersey - Total petroleum Hydrocarbons (GC)

Method:	NJ-OQA-QAM-025	Analysis Batch: 460-10225		Instrument ID:	BNAGC1
Preparation:	3541	Prep Batch: 460-9992		Lab File ID:	gcr33773.d
Dilution:	5.0			Initial Weight/Volume:	14.99 g
Date Analyzed:	06/26/2009 1352	Run Type:	DL	Final Weight/Volume:	1 mL
Date Prepared:	06/24/2009 1013			Injection Volume:	1 uL

Analyte DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL	RL
Total Petroleum Hydrocarbons (C8-C40)	670		36	36

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	93		46 - 124
Chlorobenzene	45		19 - 98

Client: Haley & Aldrich, Inc. Job Number: 460-3072-1

Client Sample ID: **B-127:A1**

Lab Sample ID: 460-3072-3 Date Sampled: 06/22/2009 0930
Client Matrix: Solid % Moisture: 17.4 Date Received: 06/23/2009 1832

NJ-OQA-QAM-025 New Jersey - Total petroleum Hydrocarbons (GC)

Method:	NJ-OQA-QAM-025	Analysis Batch: 460-10193	Instrument ID:	BNAGC1
Preparation:	3541	Prep Batch: 460-9992	Lab File ID:	gcr33705.d
Dilution:	1.0		Initial Weight/Volume:	15.03 g
Date Analyzed:	06/25/2009 2106		Final Weight/Volume:	1 mL
Date Prepared:	06/24/2009 1013		Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL	RL
Total Petroleum Hydrocarbons (C8-C40)		40		6.6	6.6

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	82		46 - 124
Chlorobenzene	33		19 - 98

Client: Haley & Aldrich, Inc. Job Number: 460-3072-1

Client Sample ID: **B-127:A3**

Lab Sample ID: 460-3072-4 Date Sampled: 06/22/2009 0945
Client Matrix: Solid % Moisture: 27.5 Date Received: 06/23/2009 1832

NJ-OQA-QAM-025 New Jersey - Total petroleum Hydrocarbons (GC)

Method:	NJ-OQA-QAM-025	Analysis Batch: 460-10225		Instrument ID:	BNAGC1
Preparation:	3541	Prep Batch: 460-9992		Lab File ID:	gcr33775.d
Dilution:	10			Initial Weight/Volume:	15.01 g
Date Analyzed:	06/26/2009 1422	Run Type:	DL	Final Weight/Volume:	1 mL
Date Prepared:	06/24/2009 1013			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL	RL
Total Petroleum Hydrocarbons (C8-C40)		2100		76	76

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	0	X D	46 - 124
Chlorobenzene	0	X D	19 - 98

Client: Haley & Aldrich, Inc. Job Number: 460-3072-1

Client Sample ID: **FD 062209 01**

Lab Sample ID: 460-3072-5 Date Sampled: 06/22/2009 0930
Client Matrix: Solid % Moisture: 20.7 Date Received: 06/23/2009 1832

NJ-OQA-QAM-025 New Jersey - Total petroleum Hydrocarbons (GC)

Method:	NJ-OQA-QAM-025	Analysis Batch: 460-10225		Instrument ID:	BNAGC1
Preparation:	3541	Prep Batch: 460-9992		Lab File ID:	gcr33774.d
Dilution:	5.0			Initial Weight/Volume:	15.02 g
Date Analyzed:	06/26/2009 1407	Run Type:	DL	Final Weight/Volume:	1 mL
Date Prepared:	06/24/2009 1013			Injection Volume:	1 uL

Analyte DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL	RL
Total Petroleum Hydrocarbons (C8-C40)	1300		35	35

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	86		46 - 124
Chlorobenzene	28		19 - 98

Client: Haley & Aldrich, Inc. Job Number: 460-3072-1

Client Sample ID: **FD 062209 02**

Lab Sample ID: 460-3072-6 Date Sampled: 06/22/2009 0945
Client Matrix: Solid % Moisture: 24.0 Date Received: 06/23/2009 1832

NJ-OQA-QAM-025 New Jersey - Total petroleum Hydrocarbons (GC)

Method:	NJ-OQA-QAM-025	Analysis Batch: 460-10193		Instrument ID:	BNAGC1
Preparation:	3541	Prep Batch: 460-9992		Lab File ID:	gcr33691.d
Dilution:	1.0			Initial Weight/Volume:	15.01 g
Date Analyzed:	06/25/2009 1737			Final Weight/Volume:	1 mL
Date Prepared:	06/24/2009 1013			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL	RL
Total Petroleum Hydrocarbons (C8-C40)		240		7.2	7.2

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	78		46 - 124
Chlorobenzene	33		19 - 98

Client: Haley & Aldrich, Inc. Job Number: 460-3072-1

Client Sample ID: **B-129MW:S1**

Lab Sample ID: 460-3072-7 Date Sampled: 06/23/2009 1400
Client Matrix: Solid % Moisture: 13.6 Date Received: 06/23/2009 1832

NJ-OQA-QAM-025 New Jersey - Total petroleum Hydrocarbons (GC)

Method:	NJ-OQA-QAM-025	Analysis Batch: 460-10193		Instrument ID:	BNAGC1
Preparation:	3541	Prep Batch: 460-9992		Lab File ID:	gcr33690.d
Dilution:	1.0			Initial Weight/Volume:	15.02 g
Date Analyzed:	06/25/2009 1725			Final Weight/Volume:	1 mL
Date Prepared:	06/24/2009 1013			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL	RL
Total Petroleum Hydrocarbons (C8-C40)		92		6.4	6.4

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	84		46 - 124
Chlorobenzene	27		19 - 98

Client: Haley & Aldrich, Inc. Job Number: 460-3072-1

Client Sample ID: **B-129MW:S5**

Lab Sample ID: 460-3072-8 Date Sampled: 06/23/2009 1435
Client Matrix: Solid % Moisture: 15.0 Date Received: 06/23/2009 1832

NJ-OQA-QAM-025 New Jersey - Total petroleum Hydrocarbons (GC)

Method:	NJ-OQA-QAM-025	Analysis Batch: 460-10225		Instrument ID:	BNAGC1
Preparation:	3541	Prep Batch: 460-9992		Lab File ID:	gcr33776.d
Dilution:	50			Initial Weight/Volume:	15.03 g
Date Analyzed:	06/26/2009 1447	Run Type:	DL	Final Weight/Volume:	1 mL
Date Prepared:	06/24/2009 1013			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL	RL
Total Petroleum Hydrocarbons (C8-C40)		7800		320	320

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	0	X D	46 - 124
Chlorobenzene	0	X D	19 - 98

Client: Haley & Aldrich, Inc. Job Number: 460-3072-1

Client Sample ID: **B-128:A1**

Lab Sample ID: 460-3072-1 Date Sampled: 06/22/2009 0755
Client Matrix: Solid % Moisture: 20.5 Date Received: 06/23/2009 1832

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 460-10341		Instrument ID:	ICP2
Preparation:	3050B	Prep Batch: 460-10149		Lab File ID:	10149
Dilution:	4.0			Initial Weight/Volume:	1.06 g
Date Analyzed:	06/26/2009 1807			Final Weight/Volume:	50 mL
Date Prepared:	06/25/2009 1641				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		6340		17.4	47.5
Antimony		1.2	J	1.0	2.4
Arsenic		7.0		0.83	1.2
Barium		101		1.4	47.5
Beryllium		0.46	J	0.21	0.47
Cadmium		1.2	U	0.19	1.2
Calcium		31300		31.2	1190
Chromium		13.8		1.4	2.4
Cobalt		5.2	J	1.5	11.9
Copper		94.8		0.97	5.9
Iron		14100		12.6	35.6
Lead		286	B	0.59	1.2
Magnesium		2000		12.6	1190
Manganese		181		1.3	3.6
Nickel		15.7		0.64	9.5
Potassium		688	J	53.6	1190
Selenium		1.4	J	1.1	2.4
Silver		2.4	U	0.18	2.4
Sodium		2550		72.9	1190
Thallium		2.4	U	1.1	2.4
Vanadium		16.7		0.62	11.9
Zinc		141		1.2	7.1

7471A Mercury (CVAA)

Method:	7471A	Analysis Batch: 460-10093		Instrument ID:	LEEMAN3
Preparation:	7471A	Prep Batch: 460-10069		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	0.64 g
Date Analyzed:	06/25/2009 1018			Final Weight/Volume:	100 mL
Date Prepared:	06/25/2009 0755				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.90		0.031	0.039

Client: Haley & Aldrich, Inc. Job Number: 460-3072-1

Client Sample ID: **B-128:A3**

Lab Sample ID: 460-3072-2 Date Sampled: 06/22/2009 0803
Client Matrix: Solid % Moisture: 23.3 Date Received: 06/23/2009 1832

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 460-10341		Instrument ID:	ICP2
Preparation:	3050B	Prep Batch: 460-10149		Lab File ID:	10149
Dilution:	4.0			Initial Weight/Volume:	1.06 g
Date Analyzed:	06/26/2009 1813			Final Weight/Volume:	50 mL
Date Prepared:	06/25/2009 1641				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		5190		18.0	49.2
Antimony		2.5	U	1.1	2.5
Arsenic		6.6		0.86	1.2
Barium		122		1.5	49.2
Beryllium		0.55		0.22	0.49
Cadmium		1.2	U	0.19	1.2
Calcium		3260		32.3	1230
Chromium		13.7		1.5	2.5
Cobalt		4.4	J	1.5	12.3
Copper		47.4		1.0	6.1
Iron		13800		13.0	36.9
Lead		605	B	0.61	1.2
Magnesium		1500		13.0	1230
Manganese		171		1.4	3.7
Nickel		12.4		0.66	9.8
Potassium		874	J	55.5	1230
Selenium		1.4	J	1.2	2.5
Silver		2.5	U	0.19	2.5
Sodium		966	J	75.5	1230
Thallium		2.5	U	1.2	2.5
Vanadium		14.9		0.64	12.3
Zinc		69.0		1.2	7.4

7471A Mercury (CVAA)

Method:	7471A	Analysis Batch: 460-10093		Instrument ID:	LEEMAN3
Preparation:	7471A	Prep Batch: 460-10069		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	0.63 g
Date Analyzed:	06/25/2009 1023			Final Weight/Volume:	100 mL
Date Prepared:	06/25/2009 0755				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		1.3		0.032	0.041

Client: Haley & Aldrich, Inc. Job Number: 460-3072-1

Client Sample ID: **B-127:A1**

Lab Sample ID: 460-3072-3 Date Sampled: 06/22/2009 0930
Client Matrix: Solid % Moisture: 17.4 Date Received: 06/23/2009 1832

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 460-10341		Instrument ID:	ICP2
Preparation:	3050B	Prep Batch: 460-10149		Lab File ID:	10149
Dilution:	4.0			Initial Weight/Volume:	1.05 g
Date Analyzed:	06/26/2009 1819			Final Weight/Volume:	50 mL
Date Prepared:	06/25/2009 1641				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		5190		16.9	46.1
Antimony		2.3	U	1.0	2.3
Arsenic		10.7		0.80	1.2
Barium		81.6		1.4	46.1
Beryllium		0.67		0.20	0.46
Cadmium		0.62	J	0.18	1.2
Calcium		11300		30.3	1150
Chromium		23.5		1.4	2.3
Cobalt		5.3	J	1.4	11.5
Copper		76.8		0.94	5.8
Iron		14500		12.2	34.6
Lead		147	B	0.58	1.2
Magnesium		1930		12.2	1150
Manganese		162		1.3	3.5
Nickel		19.7		0.62	9.2
Potassium		696	J	52.1	1150
Selenium		2.0	J	1.1	2.3
Silver		2.3	U	0.18	2.3
Sodium		1480		70.8	1150
Thallium		2.3	U	1.1	2.3
Vanadium		20.5		0.60	11.5
Zinc		166		1.1	6.9

7471A Mercury (CVAA)

Method:	7471A	Analysis Batch: 460-10093		Instrument ID:	LEEMAN3
Preparation:	7471A	Prep Batch: 460-10069		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	0.61 g
Date Analyzed:	06/25/2009 1025			Final Weight/Volume:	100 mL
Date Prepared:	06/25/2009 0755				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.27		0.031	0.039

Client: Haley & Aldrich, Inc. Job Number: 460-3072-1

Client Sample ID: **B-127:A3**

Lab Sample ID: 460-3072-4 Date Sampled: 06/22/2009 0945
Client Matrix: Solid % Moisture: 27.5 Date Received: 06/23/2009 1832

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 460-10341		Instrument ID:	ICP2
Preparation:	3050B	Prep Batch: 460-10149		Lab File ID:	10149
Dilution:	4.0			Initial Weight/Volume:	1.01 g
Date Analyzed:	06/26/2009 1825			Final Weight/Volume:	50 mL
Date Prepared:	06/25/2009 1641				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		4730		20.0	54.6
Antimony		2.7	U	1.2	2.7
Arsenic		8.0		0.95	1.4
Barium		51.1	J	1.6	54.6
Beryllium		0.53	J	0.24	0.55
Cadmium		1.4	U	0.21	1.4
Calcium		55200		35.9	1370
Chromium		9.8		1.6	2.7
Cobalt		4.7	J	1.7	13.7
Copper		27.1		1.1	6.8
Iron		17200		14.5	41.0
Lead		336	B	0.68	1.4
Magnesium		2380		14.4	1370
Manganese		275		1.5	4.1
Nickel		13.5		0.73	10.9
Potassium		601	J	61.6	1370
Selenium		2.4	J	1.3	2.7
Silver		2.7	U	0.21	2.7
Sodium		298	J	83.8	1370
Thallium		2.7	U	1.3	2.7
Vanadium		14.9		0.71	13.7
Zinc		65.3		1.3	8.2

7471A Mercury (CVAA)

Method:	7471A	Analysis Batch: 460-10093		Instrument ID:	LEEMAN3
Preparation:	7471A	Prep Batch: 460-10069		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	0.66 g
Date Analyzed:	06/25/2009 1028			Final Weight/Volume:	100 mL
Date Prepared:	06/25/2009 0755				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		1.3		0.033	0.041

Client: Haley & Aldrich, Inc. Job Number: 460-3072-1

Client Sample ID: **FD 062209 01**

Lab Sample ID: 460-3072-5 Date Sampled: 06/22/2009 0930
Client Matrix: Solid % Moisture: 20.7 Date Received: 06/23/2009 1832

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 460-10341		Instrument ID:	ICP2
Preparation:	3050B	Prep Batch: 460-10149		Lab File ID:	10149
Dilution:	4.0			Initial Weight/Volume:	1.00 g
Date Analyzed:	06/26/2009 1832			Final Weight/Volume:	50 mL
Date Prepared:	06/25/2009 1641				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		4700		18.5	50.5
Antimony		2.5	U	1.1	2.5
Arsenic		7.9		0.88	1.3
Barium		63.2		1.5	50.5
Beryllium		0.52		0.22	0.50
Cadmium		1.3	U	0.20	1.3
Calcium		2720		33.2	1260
Chromium		11.7		1.5	2.5
Cobalt		3.8	J	1.5	12.6
Copper		26.4		1.0	6.3
Iron		14200		13.4	37.8
Lead		244	B	0.63	1.3
Magnesium		1380		13.3	1260
Manganese		143		1.4	3.8
Nickel		12.2		0.68	10.1
Potassium		757	J	56.9	1260
Selenium		1.7	J	1.2	2.5
Silver		2.5	U	0.19	2.5
Sodium		1250	J	77.5	1260
Thallium		2.5	U	1.2	2.5
Vanadium		15.2		0.66	12.6
Zinc		75.3		1.2	7.6

7471A Mercury (CVAA)

Method:	7471A	Analysis Batch: 460-10093		Instrument ID:	LEEMAN3
Preparation:	7471A	Prep Batch: 460-10069		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	0.66 g
Date Analyzed:	06/25/2009 1029			Final Weight/Volume:	100 mL
Date Prepared:	06/25/2009 0755				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.87		0.030	0.038

Client: Haley & Aldrich, Inc. Job Number: 460-3072-1

Client Sample ID: **FD 062209 02**

Lab Sample ID: 460-3072-6 Date Sampled: 06/22/2009 0945
Client Matrix: Solid % Moisture: 24.0 Date Received: 06/23/2009 1832

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 460-10341		Instrument ID:	ICP2
Preparation:	3050B	Prep Batch: 460-10149		Lab File ID:	10149
Dilution:	4.0			Initial Weight/Volume:	1.00 g
Date Analyzed:	06/26/2009 1838			Final Weight/Volume:	50 mL
Date Prepared:	06/25/2009 1641				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		5710		19.3	52.6
Antimony		2.6	U	1.2	2.6
Arsenic		5.9		0.92	1.3
Barium		108		1.6	52.6
Beryllium		0.53		0.23	0.53
Cadmium		0.25	J	0.21	1.3
Calcium		32100		34.6	1320
Chromium		14.3		1.6	2.6
Cobalt		5.3	J	1.6	13.2
Copper		96.0		1.1	6.6
Iron		15700		14.0	39.5
Lead		334	B	0.66	1.3
Magnesium		2010		13.9	1320
Manganese		181		1.5	3.9
Nickel		18.3		0.70	10.5
Potassium		783	J	59.4	1320
Selenium		2.6	U	1.2	2.6
Silver		2.6	U	0.20	2.6
Sodium		2540		80.8	1320
Thallium		2.6	U	1.3	2.6
Vanadium		16.9		0.68	13.2
Zinc		152		1.3	7.9

7471A Mercury (CVAA)

Method:	7471A	Analysis Batch: 460-10093		Instrument ID:	LEEMAN3
Preparation:	7471A	Prep Batch: 460-10069		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	0.62 g
Date Analyzed:	06/25/2009 1031			Final Weight/Volume:	100 mL
Date Prepared:	06/25/2009 0755				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.56		0.033	0.042

Client: Haley & Aldrich, Inc. Job Number: 460-3072-1

Client Sample ID: **B-129MW:S1**

Lab Sample ID: 460-3072-7 Date Sampled: 06/23/2009 1400
Client Matrix: Solid % Moisture: 13.6 Date Received: 06/23/2009 1832

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 460-10341		Instrument ID:	ICP2
Preparation:	3050B	Prep Batch: 460-10149		Lab File ID:	10149
Dilution:	4.0			Initial Weight/Volume:	1.00 g
Date Analyzed:	06/26/2009 1857			Final Weight/Volume:	50 mL
Date Prepared:	06/25/2009 1641				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		2650		17.0	46.3
Antimony		2.3	U	1.0	2.3
Arsenic		5.6		0.81	1.2
Barium		66.2		1.4	46.3
Beryllium		0.40	J	0.20	0.46
Cadmium		0.90	J	0.18	1.2
Calcium		5780		30.4	1160
Chromium		10.8		1.4	2.3
Cobalt		2.9	J	1.4	11.6
Copper		34.5		0.94	5.8
Iron		8330		12.3	34.7
Lead		139	B	0.58	1.2
Magnesium		1020	J	12.2	1160
Manganese		70.5		1.3	3.5
Nickel		11.5		0.62	9.3
Potassium		384	J	52.2	1160
Selenium		2.3	U	1.1	2.3
Silver		2.3	U	0.18	2.3
Sodium		1540		71.0	1160
Thallium		2.3	U	1.1	2.3
Vanadium		12.3		0.60	11.6
Zinc		47.5		1.1	6.9

7471A Mercury (CVAA)

Method:	7471A	Analysis Batch: 460-10093		Instrument ID:	LEEMAN3
Preparation:	7471A	Prep Batch: 460-10069		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	0.60 g
Date Analyzed:	06/25/2009 1033			Final Weight/Volume:	100 mL
Date Prepared:	06/25/2009 0755				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		1.7		0.030	0.038

Client: Haley & Aldrich, Inc. Job Number: 460-3072-1

Client Sample ID: **B-129MW:S5**

Lab Sample ID: 460-3072-8 Date Sampled: 06/23/2009 1435
Client Matrix: Solid % Moisture: 15.0 Date Received: 06/23/2009 1832

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 460-10341		Instrument ID:	ICP2
Preparation:	3050B	Prep Batch: 460-10149		Lab File ID:	10149
Dilution:	4.0			Initial Weight/Volume:	1.01 g
Date Analyzed:	06/26/2009 1903			Final Weight/Volume:	50 mL
Date Prepared:	06/25/2009 1641				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		4530		17.1	46.6
Antimony		2.3	U	1.0	2.3
Arsenic		3.3		0.81	1.2
Barium		53.7		1.4	46.6
Beryllium		0.45	J	0.21	0.47
Cadmium		1.2	U	0.18	1.2
Calcium		3260		30.6	1160
Chromium		10.2		1.4	2.3
Cobalt		3.5	J	1.4	11.6
Copper		25.6		0.95	5.8
Iron		10400		12.4	34.9
Lead		150	B	0.58	1.2
Magnesium		1790		12.3	1160
Manganese		91.5		1.3	3.5
Nickel		11.6		0.62	9.3
Potassium		655	J	52.6	1160
Selenium		1.9	J	1.1	2.3
Silver		2.3	U	0.18	2.3
Sodium		777	J	71.5	1160
Thallium		2.3	U	1.1	2.3
Vanadium		12.7		0.61	11.6
Zinc		110		1.1	7.0

7471A Mercury (CVAA)

Method:	7471A	Analysis Batch: 460-10093		Instrument ID:	LEEMAN3
Preparation:	7471A	Prep Batch: 460-10069		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	0.60 g
Date Analyzed:	06/25/2009 1035			Final Weight/Volume:	100 mL
Date Prepared:	06/25/2009 0755				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.76		0.031	0.039

General Chemistry

Client Sample ID: **B-128:A1**

Lab Sample ID: 460-3072-1 Date Sampled: 06/22/2009 0755

Client Matrix: Solid Date Received: 06/23/2009 1832

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	20.5		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-9939	Date Analyzed: 06/23/2009 2304					DryWt Corrected: N
Percent Solids	79.5		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-9939	Date Analyzed: 06/23/2009 2304					DryWt Corrected: N

General Chemistry

Client Sample ID: **B-128:A3**

Lab Sample ID: 460-3072-2 Date Sampled: 06/22/2009 0803

Client Matrix: Solid Date Received: 06/23/2009 1832

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	23.3		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-9939	Date Analyzed: 06/23/2009 2304					DryWt Corrected: N
Percent Solids	76.7		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-9939	Date Analyzed: 06/23/2009 2304					DryWt Corrected: N

General Chemistry

Client Sample ID: **B-127:A1**

Lab Sample ID: 460-3072-3 Date Sampled: 06/22/2009 0930

Client Matrix: Solid Date Received: 06/23/2009 1832

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	17.4		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-9939	Date Analyzed: 06/23/2009 2304					DryWt Corrected: N
Percent Solids	82.6		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-9939	Date Analyzed: 06/23/2009 2304					DryWt Corrected: N

General Chemistry

Client Sample ID: **B-127:A3**

Lab Sample ID: 460-3072-4 Date Sampled: 06/22/2009 0945

Client Matrix: Solid Date Received: 06/23/2009 1832

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	27.5		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-9939	Date Analyzed: 06/23/2009 2304					DryWt Corrected: N
Percent Solids	72.5		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-9939	Date Analyzed: 06/23/2009 2304					DryWt Corrected: N

General Chemistry

Client Sample ID: **FD 062209 01**

Lab Sample ID: 460-3072-5 Date Sampled: 06/22/2009 0930

Client Matrix: Solid Date Received: 06/23/2009 1832

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	20.7		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-9939	Date Analyzed: 06/23/2009 2304					DryWt Corrected: N
Percent Solids	79.3		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-9939	Date Analyzed: 06/23/2009 2304					DryWt Corrected: N

General Chemistry

Client Sample ID: **FD 062209 02**

Lab Sample ID: 460-3072-6 Date Sampled: 06/22/2009 0945

Client Matrix: Solid Date Received: 06/23/2009 1832

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	24.0		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-9939	Date Analyzed: 06/23/2009 2304					DryWt Corrected: N
Percent Solids	76.0		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-9939	Date Analyzed: 06/23/2009 2304					DryWt Corrected: N

General Chemistry

Client Sample ID: **B-129MW:S1**

Lab Sample ID: 460-3072-7 Date Sampled: 06/23/2009 1400

Client Matrix: Solid Date Received: 06/23/2009 1832

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	13.6		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-9939	Date Analyzed: 06/23/2009 2304					DryWt Corrected: N
Percent Solids	86.4		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-9939	Date Analyzed: 06/23/2009 2304					DryWt Corrected: N

General Chemistry

Client Sample ID: **B-129MW:S5**

Lab Sample ID: 460-3072-8 Date Sampled: 06/23/2009 1435
Client Matrix: Solid Date Received: 06/23/2009 1832

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	15.0		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-9939	Date Analyzed: 06/23/2009 2304					DryWt Corrected: N
Percent Solids	85.0		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-9939	Date Analyzed: 06/23/2009 2304					DryWt Corrected: N

777 New Durham Road
Edison, New Jersey 08817
Phone: (732) 549-3900 Fax: (732) 549-3679

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

CHAIN OF CUSTODY / ANALYSIS REQUEST

07/17/2009

Name (for report and invoice): AMY MURPHY
Company: HALEY & ALDRICH INC
Address: 299 Cherry Hill Rd, Suite 105
City: Parsippany State: NJ
Phone: 973-658-3938 Fax: 973-658-3988

Samplers Name (Printed): BOBBY ISSAC
P. O. #: 36059-001

Site/Project Identification: 14th ST. VIADUCT, HOBOKEN, NJ
State (Location of site): NJ: [X] NY: [ ] Other:
Regulatory Program:

Analysis Turnaround Time
Standard [X]
Rush Chrages Authorized For:
2 Week [ ]
1 Week [ ]
Other [ ] _____

LAB USE ONLY
Project No: 4600 3487
Job No: 460-3167

ANALYSIS REQUESTED (ENTER "X" BELOW TO INDICATE REQUEST)

Sample Identification	Date	Time	Matrix	No. of. Cont.	8270C TLC-BN+15	8082 - PCBS	8081A TLC Pesticides	6010B TAL Metals	NJ-DQA-EQAM -025	8260B TAL VOC+10						Sample Numbers
B-114M-S1	6/24/09	2:30P	S	5	X	X	X	X	X	X						1
B-114-S1	6/24/09	7:30A	S	5	X	X	X	X	X	X						2
B-112-A1	6/24/09	2:45P	S	5	X	X	X	X	X	X						3
B-112-S1	6/25/09	7:45A	S	5	X	X	X	X	X	X						4
FB#3 (Field Blank)	6/25/09	8:55A	W	2						X						5
B-126-A1	6/25/09	9:30A	S	5	X	X	X	X	X	X						6
B-126-S1	6/25/09	10:30A	S	5	X	X	X	X	X	X						7
Preservation Used: 1 = ICE, 2 = HCl, 3 = H_2SO_4, 4 = HNO_3, 5 = NaOH — Soil:					1	1	1	1	1	1						
6 = Other _____, 7 = Other _____ — Water:										2						

Special Instructions

Water Metals Filtered (Yes/No)? _____

Relinquished by	Company	Date / Time	Received by	Company
BOBBY ISSAC	HALEY & ALDRICH	6/25/09 1545	1) Elisha Smith	Test America
2) Elisha Smith	Test America	6/25/09 1755	2) [signature]	Test America
3)			3)	
4)			4)	

3:FR68

SHORT HOLD

L - 0016 (0408)

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecti
Massachusetts (M-NJ312), North Carolina (No. 578)

Client: Haley & Aldrich, Inc. Job Number: 460-3167-1

Client Sample ID: **B-114M-S1**

Lab Sample ID: 460-3167-1 Date Sampled: 06/24/2009 1430
Client Matrix: Solid % Moisture: 17.7 Date Received: 06/25/2009 1755

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 460-10359		Instrument ID:	VOAMS2
Preparation:	5035	Prep Batch: 460-10201		Lab File ID:	b25094.d
Dilution:	1.0			Initial Weight/Volume:	3.78 g
Date Analyzed:	06/29/2009 0701			Final Weight/Volume:	5 mL
Date Prepared:	06/26/2009 0936				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Chloromethane		1.6	U	1.0	1.6
Bromomethane		1.6	U	0.66	1.6
Vinyl chloride		1.6	U	0.38	1.6
Chloroethane		1.6	U	0.64	1.6
Methylene Chloride		1.6	U	0.76	1.6
Acetone		16	U	5.9	16
Carbon disulfide		1.6	U	0.75	1.6
1,1-Dichloroethene		1.6	U	0.59	1.6
1,1-Dichloroethane		1.6	U	0.40	1.6
trans-1,2-Dichloroethene		1.6	U	0.45	1.6
cis-1,2-Dichloroethene		1.6	U	0.38	1.6
Chloroform		1.6	U	0.38	1.6
1,2-Dichloroethane		1.6	U	0.63	1.6
2-Butanone		16	U	0.91	16
1,1,1-Trichloroethane		1.6	U	0.30	1.6
Carbon tetrachloride		1.6	U	0.16	1.6
Bromodichloromethane		1.6	U	0.49	1.6
1,2-Dichloropropane		1.6	U	0.51	1.6
cis-1,3-Dichloropropene		1.6	U	0.32	1.6
Trichloroethene		1.6	U	0.58	1.6
Dibromochloromethane		1.6	U	0.90	1.6
1,1,2-Trichloroethane		1.6	U	0.95	1.6
Benzene		1.6	U	1.2	1.6
trans-1,3-Dichloropropene		1.6	U	0.36	1.6
Bromoform		1.6	U	1.1	1.6
4-Methyl-2-pentanone		16	U	1.1	16
2-Hexanone		16	U	2.7	16
Tetrachloroethene		1.6	U	0.53	1.6
1,1,2,2-Tetrachloroethane		1.6	U	1.2	1.6
Toluene		1.6	U	0.48	1.6
Chlorobenzene		1.6	U	0.77	1.6
Ethylbenzene		1.6	U	0.31	1.6
Styrene		1.6	U	0.56	1.6
Xylenes, Total		4.8	U	1.3	4.8

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	105		53 - 128
Bromofluorobenzene	113		73 - 143
Toluene-d8 (Surr)	104		59 - 139

Client: Haley & Aldrich, Inc. Job Number: 460-3167-1

Client Sample ID: **B-114M-S1**

Lab Sample ID: 460-3167-1 Date Sampled: 06/24/2009 1430
Client Matrix: Solid % Moisture: 17.7 Date Received: 06/25/2009 1755

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 460-10359		Instrument ID:	VOAMS2
Preparation:	5035	Prep Batch: 460-10201		Lab File ID:	b25094.d
Dilution:	1.0			Initial Weight/Volume:	3.78 g
Date Analyzed:	06/29/2009 0701			Final Weight/Volume:	5 mL
Date Prepared:	06/26/2009 0936				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Tentatively Identified Compound		None	

Client: Haley & Aldrich, Inc. Job Number: 460-3167-1

Client Sample ID: **B-114-S1**

Lab Sample ID: 460-3167-2 Date Sampled: 06/24/2009 0730
Client Matrix: Solid % Moisture: 18.8 Date Received: 06/25/2009 1755

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 460-10359		Instrument ID:	VOAMS2
Preparation:	5035	Prep Batch: 460-10201		Lab File ID:	b25095.d
Dilution:	1.0			Initial Weight/Volume:	6.04 g
Date Analyzed:	06/29/2009 0725			Final Weight/Volume:	5 mL
Date Prepared:	06/26/2009 0940				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Chloromethane		1.0	U H	0.65	1.0
Bromomethane		1.0	U H	0.42	1.0
Vinyl chloride		1.0	U H	0.24	1.0
Chloroethane		1.0	U H	0.41	1.0
Methylene Chloride		1.0	U H	0.48	1.0
Acetone		10	U H	3.8	10
Carbon disulfide		1.0	U H	0.47	1.0
1,1-Dichloroethene		1.0	U H	0.38	1.0
1,1-Dichloroethane		1.0	U H	0.26	1.0
trans-1,2-Dichloroethene		1.0	U H	0.29	1.0
cis-1,2-Dichloroethene		1.0	U H	0.24	1.0
Chloroform		1.0	U H	0.24	1.0
1,2-Dichloroethane		1.0	U H	0.40	1.0
2-Butanone		10	U H	0.58	10
1,1,1-Trichloroethane		1.0	U H	0.19	1.0
Carbon tetrachloride		1.0	U H	0.10	1.0
Bromodichloromethane		1.0	U H	0.31	1.0
1,2-Dichloropropane		1.0	U H	0.32	1.0
cis-1,3-Dichloropropene		1.0	U H	0.21	1.0
Trichloroethene		1.0	U H	0.37	1.0
Dibromochloromethane		1.0	U H	0.57	1.0
1,1,2-Trichloroethane		1.0	U H	0.60	1.0
Benzene		1.1	H	0.75	1.0
trans-1,3-Dichloropropene		1.0	U H	0.23	1.0
Bromoform		1.0	U H	0.71	1.0
4-Methyl-2-pentanone		10	U H	0.73	10
2-Hexanone		10	U H	1.7	10
Tetrachloroethene		1.0	U H	0.34	1.0
1,1,2,2-Tetrachloroethane		1.0	U H	0.78	1.0
Toluene		0.42	J H	0.30	1.0
Chlorobenzene		1.0	U H	0.49	1.0
Ethylbenzene		0.24	J H	0.19	1.0
Styrene		1.0	U H	0.35	1.0
Xylenes, Total		1.2	J H	0.80	3.1

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	107		53 - 128
Bromofluorobenzene	99		73 - 143
Toluene-d8 (Surr)	100		59 - 139

Client: Haley & Aldrich, Inc. Job Number: 460-3167-1

Client Sample ID: **B-114-S1**

Lab Sample ID: 460-3167-2 Date Sampled: 06/24/2009 0730
Client Matrix: Solid % Moisture: 18.8 Date Received: 06/25/2009 1755

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 460-10359		Instrument ID:	VOAMS2
Preparation:	5035	Prep Batch: 460-10201		Lab File ID:	b25095.d
Dilution:	1.0			Initial Weight/Volume:	6.04 g
Date Analyzed:	06/29/2009 0725			Final Weight/Volume:	5 mL
Date Prepared:	06/26/2009 0940				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Tentatively Identified Compound		None	H

Client: Haley & Aldrich, Inc. Job Number: 460-3167-1

Client Sample ID: **B-112-A1**

Lab Sample ID: 460-3167-3 Date Sampled: 06/24/2009 1445
Client Matrix: Solid % Moisture: 8.8 Date Received: 06/25/2009 1755

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 460-10359		Instrument ID:	VOAMS2
Preparation:	5035	Prep Batch: 460-10201		Lab File ID:	b25096.d
Dilution:	1.0			Initial Weight/Volume:	5.95 g
Date Analyzed:	06/29/2009 0748			Final Weight/Volume:	5 mL
Date Prepared:	06/26/2009 0944				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Chloromethane		0.92	U	0.58	0.92
Bromomethane		0.92	U	0.38	0.92
Vinyl chloride		0.92	U	0.22	0.92
Chloroethane		0.92	U	0.37	0.92
Methylene Chloride		0.92	U	0.43	0.92
Acetone		9.2	U	3.4	9.2
Carbon disulfide		0.92	U	0.43	0.92
1,1-Dichloroethene		0.92	U	0.34	0.92
1,1-Dichloroethane		0.92	U	0.23	0.92
trans-1,2-Dichloroethene		0.92	U	0.26	0.92
cis-1,2-Dichloroethene		0.92	U	0.22	0.92
Chloroform		0.92	U	0.22	0.92
1,2-Dichloroethane		0.92	U	0.36	0.92
2-Butanone		9.2	U	0.52	9.2
1,1,1-Trichloroethane		0.92	U	0.17	0.92
Carbon tetrachloride		0.92	U	0.093	0.92
Bromodichloromethane		0.92	U	0.28	0.92
1,2-Dichloropropane		0.92	U	0.29	0.92
cis-1,3-Dichloropropene		0.92	U	0.19	0.92
Trichloroethene		0.92	U	0.33	0.92
Dibromochloromethane		0.92	U	0.52	0.92
1,1,2-Trichloroethane		0.92	U	0.55	0.92
Benzene		0.92	U	0.68	0.92
trans-1,3-Dichloropropene		0.92	U	0.20	0.92
Bromoform		0.92	U	0.65	0.92
4-Methyl-2-pentanone		9.2	U	0.66	9.2
2-Hexanone		9.2	U	1.5	9.2
Tetrachloroethene		0.92	U	0.30	0.92
1,1,2,2-Tetrachloroethane		0.92	U	0.70	0.92
Toluene		0.92	U	0.28	0.92
Chlorobenzene		0.92	U	0.44	0.92
Ethylbenzene		0.92	U	0.18	0.92
Styrene		0.92	U	0.32	0.92
Xylenes, Total		2.8	U	0.72	2.8

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	102		53 - 128
Bromofluorobenzene	97		73 - 143
Toluene-d8 (Surr)	96		59 - 139

Client: Haley & Aldrich, Inc. Job Number: 460-3167-1

Client Sample ID: **B-112-A1**

Lab Sample ID: 460-3167-3 Date Sampled: 06/24/2009 1445
Client Matrix: Solid % Moisture: 8.8 Date Received: 06/25/2009 1755

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 460-10359		Instrument ID:	VOAMS2
Preparation:	5035	Prep Batch: 460-10201		Lab File ID:	b25096.d
Dilution:	1.0			Initial Weight/Volume:	5.95 g
Date Analyzed:	06/29/2009 0748			Final Weight/Volume:	5 mL
Date Prepared:	06/26/2009 0944				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Tentatively Identified Compound		None	

Client: Haley & Aldrich, Inc. Job Number: 460-3167-1

Client Sample ID: **B-112-S1**

Lab Sample ID: 460-3167-4 Date Sampled: 06/25/2009 0745
Client Matrix: Solid % Moisture: 16.8 Date Received: 06/25/2009 1755

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 460-10359		Instrument ID:	VOAMS2
Preparation:	5035	Prep Batch: 460-10201		Lab File ID:	b25097.d
Dilution:	1.0			Initial Weight/Volume:	5.84 g
Date Analyzed:	06/29/2009 0812			Final Weight/Volume:	5 mL
Date Prepared:	06/26/2009 0948				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Chloromethane		1.0	U	0.65	1.0
Bromomethane		1.0	U	0.42	1.0
Vinyl chloride		1.0	U	0.24	1.0
Chloroethane		1.0	U	0.41	1.0
Methylene Chloride		1.0	U	0.48	1.0
Acetone		13		3.8	10
Carbon disulfide		0.62	J	0.48	1.0
1,1-Dichloroethene		1.0	U	0.38	1.0
1,1-Dichloroethane		1.0	U	0.26	1.0
trans-1,2-Dichloroethene		1.0	U	0.29	1.0
cis-1,2-Dichloroethene		1.0	U	0.24	1.0
Chloroform		1.0	U	0.24	1.0
1,2-Dichloroethane		1.0	U	0.40	1.0
2-Butanone		10	U	0.59	10
1,1,1-Trichloroethane		1.0	U	0.19	1.0
Carbon tetrachloride		1.0	U	0.10	1.0
Bromodichloromethane		1.0	U	0.31	1.0
1,2-Dichloropropane		1.0	U	0.33	1.0
cis-1,3-Dichloropropene		1.0	U	0.21	1.0
Trichloroethene		1.0	U	0.37	1.0
Dibromochloromethane		1.0	U	0.58	1.0
1,1,2-Trichloroethane		1.0	U	0.61	1.0
Benzene		2.7		0.76	1.0
trans-1,3-Dichloropropene		1.0	U	0.23	1.0
Bromoform		1.0	U	0.72	1.0
4-Methyl-2-pentanone		10	U	0.74	10
2-Hexanone		10	U	1.7	10
Tetrachloroethene		1.0	U	0.34	1.0
1,1,2,2-Tetrachloroethane		1.0	U	0.78	1.0
Toluene		1.8		0.31	1.0
Chlorobenzene		1.0	U	0.50	1.0
Ethylbenzene		1.6		0.20	1.0
Styrene		1.0	U	0.36	1.0
Xylenes, Total		3.4		0.81	3.1

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	110		53 - 128
Bromofluorobenzene	101		73 - 143
Toluene-d8 (Surr)	101		59 - 139

Client: Haley & Aldrich, Inc. Job Number: 460-3167-1

Client Sample ID: **B-112-S1**

Lab Sample ID: 460-3167-4 Date Sampled: 06/25/2009 0745
Client Matrix: Solid % Moisture: 16.8 Date Received: 06/25/2009 1755

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 460-10359		Instrument ID:	VOAMS2
Preparation:	5035	Prep Batch: 460-10201		Lab File ID:	b25097.d
Dilution:	1.0			Initial Weight/Volume:	5.84 g
Date Analyzed:	06/29/2009 0812			Final Weight/Volume:	5 mL
Date Prepared:	06/26/2009 0948				

Tentatively Identified Compounds **Number TIC's Found:** **10**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	C9H10 Aromatic	10.21	24	T J
	C10H12 Aromatic	10.61	35	T J
	C10H12 Aromatic	11.03	27	T J
	C10H12 Aromatic	11.14	35	T J
	C10H10 Aromatic	11.26	59	T J
	C11H14 Aromatic	11.36	21	T J
	C11H14 Aromatic	11.95	37	T J
	C11H12 Aromatic	12.03	31	T J
	Methylnaphthalene isomer	12.46	180	T J
	Dimethylnaphthalene isomer	13.17	21	T J

Client: Haley & Aldrich, Inc. Job Number: 460-3167-1

Client Sample ID: **FB#3 (Field Blank)**

Lab Sample ID: 460-3167-5FB Date Sampled: 06/25/2009 0855
Client Matrix: Water Date Received: 06/25/2009 1755

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 460-10413	Instrument ID:	VOAMS4
Preparation:	5030B		Lab File ID:	d10632.d
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	06/29/2009 2342		Final Weight/Volume:	5 mL
Date Prepared:	06/29/2009 2342			

Analyte	Result (ug/L)	Qualifier	MDL	RL
Chloromethane	1.0	U	0.21	1.0
Bromomethane	1.0	U	0.31	1.0
Vinyl chloride	1.0	U	0.13	1.0
Chloroethane	1.0	U	0.45	1.0
Methylene Chloride	1.0	U	0.19	1.0
Acetone	10	U	2.5	10
Carbon disulfide	1.0	U	0.15	1.0
1,1-Dichloroethene	1.0	U	0.14	1.0
1,1-Dichloroethane	1.0	U	0.10	1.0
trans-1,2-Dichloroethene	1.0	U	0.14	1.0
cis-1,2-Dichloroethene	1.0	U	0.20	1.0
Chloroform	1.0	U	0.15	1.0
1,2-Dichloroethane	1.0	U	0.24	1.0
2-Butanone	10	U	0.82	10
1,1,1-Trichloroethane	1.0	U	0.25	1.0
Carbon tetrachloride	1.0	U	0.19	1.0
Bromodichloromethane	1.0	U	0.093	1.0
1,2-Dichloropropane	1.0	U	0.090	1.0
cis-1,3-Dichloropropene	1.0	U	0.11	1.0
Trichloroethene	1.0	U	0.18	1.0
Dibromochloromethane	1.0	U	0.11	1.0
1,1,2-Trichloroethane	1.0	U	0.10	1.0
Benzene	1.0	U	0.13	1.0
trans-1,3-Dichloropropene	1.0	U	0.12	1.0
Bromoform	1.0	U	0.10	1.0
4-Methyl-2-pentanone	10	U	0.68	10
2-Hexanone	10	U	0.55	10
Tetrachloroethene	1.0	U	0.20	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.090	1.0
Toluene	1.0	U	0.090	1.0
Chlorobenzene	1.0	U	0.16	1.0
Ethylbenzene	1.0	U	0.25	1.0
Styrene	1.0	U	0.13	1.0
Xylenes, Total	3.0	U	0.43	3.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	96		56 - 125
Bromofluorobenzene	101		72 - 145
Toluene-d8 (Surr)	99		72 - 127

Client: Haley & Aldrich, Inc. Job Number: 460-3167-1

Client Sample ID: **FB#3 (Field Blank)**

Lab Sample ID: 460-3167-5FB Date Sampled: 06/25/2009 0855
Client Matrix: Water Date Received: 06/25/2009 1755

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 460-10413	Instrument ID:	VOAMS4
Preparation:	5030B		Lab File ID:	d10632.d
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	06/29/2009 2342		Final Weight/Volume:	5 mL
Date Prepared:	06/29/2009 2342			

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Tentatively Identified Compound		None	

Client: Haley & Aldrich, Inc. Job Number: 460-3167-1

Client Sample ID: **B-126-A1**

Lab Sample ID: 460-3167-6 Date Sampled: 06/25/2009 0930
Client Matrix: Solid % Moisture: 14.8 Date Received: 06/25/2009 1755

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 460-10359		Instrument ID:	VOAMS2
Preparation:	5035	Prep Batch: 460-10201		Lab File ID:	b25098.d
Dilution:	1.0			Initial Weight/Volume:	4.53 g
Date Analyzed:	06/29/2009 0835			Final Weight/Volume:	5 mL
Date Prepared:	06/26/2009 0952				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Chloromethane		1.3	U	0.82	1.3
Bromomethane		1.3	U	0.53	1.3
Vinyl chloride		1.3	U	0.30	1.3
Chloroethane		1.3	U	0.52	1.3
Methylene Chloride		1.3	U	0.61	1.3
Acetone		13	U	4.8	13
Carbon disulfide		1.3	U	0.60	1.3
1,1-Dichloroethene		1.3	U	0.48	1.3
1,1-Dichloroethane		1.3	U	0.33	1.3
trans-1,2-Dichloroethene		1.3	U	0.37	1.3
cis-1,2-Dichloroethene		1.3	U	0.31	1.3
Chloroform		0.87	J	0.31	1.3
1,2-Dichloroethane		1.3	U	0.51	1.3
2-Butanone		13	U	0.74	13
1,1,1-Trichloroethane		1.3	U	0.24	1.3
Carbon tetrachloride		1.3	U	0.13	1.3
Bromodichloromethane		1.3	U	0.39	1.3
1,2-Dichloropropane		1.3	U	0.41	1.3
cis-1,3-Dichloropropene		1.3	U	0.26	1.3
Trichloroethene		1.3	U	0.47	1.3
Dibromochloromethane		1.3	U	0.73	1.3
1,1,2-Trichloroethane		1.3	U	0.77	1.3
Benzene		1.3	U	0.96	1.3
trans-1,3-Dichloropropene		1.3	U	0.29	1.3
Bromoform		1.3	U	0.91	1.3
4-Methyl-2-pentanone		13	U	0.93	13
2-Hexanone		13	U	2.2	13
Tetrachloroethene		1.3	U	0.43	1.3
1,1,2,2-Tetrachloroethane		1.3	U	0.98	1.3
Toluene		0.54	J	0.39	1.3
Chlorobenzene		1.3	U	0.62	1.3
Ethylbenzene		1.3	U	0.25	1.3
Styrene		1.3	U	0.45	1.3
Xylenes, Total		3.9	U	1.0	3.9

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	107		53 - 128
Bromofluorobenzene	102		73 - 143
Toluene-d8 (Surr)	101		59 - 139

Client: Haley & Aldrich, Inc. Job Number: 460-3167-1

Client Sample ID: **B-126-A1**

Lab Sample ID: 460-3167-6 Date Sampled: 06/25/2009 0930
Client Matrix: Solid % Moisture: 14.8 Date Received: 06/25/2009 1755

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 460-10359		Instrument ID:	VOAMS2
Preparation:	5035	Prep Batch: 460-10201		Lab File ID:	b25098.d
Dilution:	1.0			Initial Weight/Volume:	4.53 g
Date Analyzed:	06/29/2009 0835			Final Weight/Volume:	5 mL
Date Prepared:	06/26/2009 0952				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Tentatively Identified Compound		None	

Client: Haley & Aldrich, Inc. Job Number: 460-3167-1

Client Sample ID: **B-126-S1**

Lab Sample ID: 460-3167-7 Date Sampled: 06/25/2009 1030
Client Matrix: Solid % Moisture: 15.9 Date Received: 06/25/2009 1755

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 460-10359		Instrument ID:	VOAMS2
Preparation:	5035	Prep Batch: 460-10201		Lab File ID:	b25099.d
Dilution:	1.0			Initial Weight/Volume:	5.61 g
Date Analyzed:	06/29/2009 0858			Final Weight/Volume:	5 mL
Date Prepared:	06/26/2009 0956				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Chloromethane		1.1	U	0.67	1.1
Bromomethane		1.1	U	0.43	1.1
Vinyl chloride		1.1	U	0.25	1.1
Chloroethane		1.1	U	0.42	1.1
Methylene Chloride		1.1	U	0.50	1.1
Acetone		21		3.9	11
Carbon disulfide		0.71	J	0.49	1.1
1,1-Dichloroethene		1.1	U	0.39	1.1
1,1-Dichloroethane		1.1	U	0.27	1.1
trans-1,2-Dichloroethene		1.1	U	0.30	1.1
cis-1,2-Dichloroethene		1.1	U	0.25	1.1
Chloroform		0.99	J	0.25	1.1
1,2-Dichloroethane		1.1	U	0.41	1.1
2-Butanone		11	U	0.60	11
1,1,1-Trichloroethane		1.1	U	0.20	1.1
Carbon tetrachloride		1.1	U	0.11	1.1
Bromodichloromethane		1.1	U	0.32	1.1
1,2-Dichloropropane		1.1	U	0.34	1.1
cis-1,3-Dichloropropene		1.1	U	0.21	1.1
Trichloroethene		1.1	U	0.38	1.1
Dibromochloromethane		1.1	U	0.59	1.1
1,1,2-Trichloroethane		1.1	U	0.63	1.1
Benzene		2.4		0.78	1.1
trans-1,3-Dichloropropene		1.1	U	0.23	1.1
Bromoform		1.1	U	0.74	1.1
4-Methyl-2-pentanone		11	U	0.76	11
2-Hexanone		11	U	1.8	11
Tetrachloroethene		1.1	U	0.35	1.1
1,1,2,2-Tetrachloroethane		1.1	U	0.81	1.1
Toluene		0.44	J	0.32	1.1
Chlorobenzene		1.1	U	0.51	1.1
Ethylbenzene		1.1	U	0.20	1.1
Styrene		1.1	U	0.37	1.1
Xylenes, Total		3.2	U	0.83	3.2

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	103		53 - 128
Bromofluorobenzene	101		73 - 143
Toluene-d8 (Surr)	99		59 - 139

Client: Haley & Aldrich, Inc. Job Number: 460-3167-1

Client Sample ID: **B-126-S1**

Lab Sample ID: 460-3167-7 Date Sampled: 06/25/2009 1030
Client Matrix: Solid % Moisture: 15.9 Date Received: 06/25/2009 1755

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 460-10359		Instrument ID:	VOAMS2
Preparation:	5035	Prep Batch: 460-10201		Lab File ID:	b25099.d
Dilution:	1.0			Initial Weight/Volume:	5.61 g
Date Analyzed:	06/29/2009 0858			Final Weight/Volume:	5 mL
Date Prepared:	06/26/2009 0956				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Tentatively Identified Compound		None	

Client: Haley & Aldrich, Inc. Job Number: 460-3167-1

Client Sample ID: **B-114M-S1**

Lab Sample ID: 460-3167-1 Date Sampled: 06/24/2009 1430
Client Matrix: Solid % Moisture: 17.7 Date Received: 06/25/2009 1755

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-10576		Instrument ID:	BNAMS10
Preparation:	3541	Prep Batch: 460-10402		Lab File ID:	p6553.d
Dilution:	1.0			Initial Weight/Volume:	15.00 g
Date Analyzed:	06/30/2009 2241			Final Weight/Volume:	1 mL
Date Prepared:	06/29/2009 1813			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Bis(2-chloroethyl)ether		40	U	8.4	40
1,3-Dichlorobenzene		400	U	55	400
1,4-Dichlorobenzene		400	U	60	400
1,2-Dichlorobenzene		400	U	64	400
N-Nitrosodi-n-propylamine		40	U	5.3	40
Hexachloroethane		40	U	6.8	40
Nitrobenzene		40	U	9.0	40
Isophorone		400	U	46	400
Bis(2-chloroethoxy)methane		400	U	57	400
1,2,4-Trichlorobenzene		40	U	6.6	40
Naphthalene		400	U	59	400
4-Chloroaniline		400	U	51	400
Hexachlorobutadiene		81	U	16	81
2-Methylnaphthalene		400	U	59	400
Hexachlorocyclopentadiene		400	U	120	400
2-Chloronaphthalene		400	U	57	400
2-Nitroaniline		810	U	110	810
Dimethyl phthalate		400	U	54	400
Acenaphthylene		400	U	57	400
2,6-Dinitrotoluene		81	U	10	81
3-Nitroaniline		810	U	91	810
Acenaphthene		400	U	57	400
Dibenzofuran		400	U	60	400
2,4-Dinitrotoluene		81	U	12	81
Diethyl phthalate		400	U	54	400
4-Chlorophenyl phenyl ether		400	U	69	400
Fluorene		400	U	68	400
4-Nitroaniline		810	U	83	810
N-Nitrosodiphenylamine		400	U	65	400
4-Bromophenyl phenyl ether		400	U	72	400
Hexachlorobenzene		40	U	5.6	40
Phenanthrene		400	U	70	400
Anthracene		400	U	71	400
Carbazole		400	U	64	400
Di-n-butyl phthalate		400	U	61	400
Fluoranthene		400	U	67	400
Pyrene		400	U	69	400
Butyl benzyl phthalate		400	U	47	400
3,3'-Dichlorobenzidine		810	U	89	810
Benzo[a]anthracene		40	U	7.4	40
Chrysene		400	U	58	400
Bis(2-ethylhexyl) phthalate		400	U	53	400
Di-n-octyl phthalate		400	U	48	400
Benzo[b]fluoranthene		40	U	6.0	40
Benzo[k]fluoranthene		40	U	5.6	40
Benzo[a]pyrene		40	U	4.9	40

Client: Haley & Aldrich, Inc. Job Number: 460-3167-1

Client Sample ID: **B-114M-S1**

Lab Sample ID: 460-3167-1 Date Sampled: 06/24/2009 1430
Client Matrix: Solid % Moisture: 17.7 Date Received: 06/25/2009 1755

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-10576		Instrument ID:	BNAMS10
Preparation:	3541	Prep Batch: 460-10402		Lab File ID:	p6553.d
Dilution:	1.0			Initial Weight/Volume:	15.00 g
Date Analyzed:	06/30/2009 2241			Final Weight/Volume:	1 mL
Date Prepared:	06/29/2009 1813			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Indeno[1,2,3-cd]pyrene		40	U	6.4	40
Dibenz(a,h)anthracene		40	U	4.8	40
Benzo[g,h,i]perylene		400	U	42	400
bis (2-chloroisopropyl) ether		400	U	53	400

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	71		36 - 93
Nitrobenzene-d5	68		31 - 97
Terphenyl-d14	75		40 - 129

Client: Haley & Aldrich, Inc. Job Number: 460-3167-1

Client Sample ID: **B-114M-S1**

Lab Sample ID: 460-3167-1 Date Sampled: 06/24/2009 1430
Client Matrix: Solid % Moisture: 17.7 Date Received: 06/25/2009 1755

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-10576		Instrument ID:	BNAMS10
Preparation:	3541	Prep Batch: 460-10402		Lab File ID:	p6553.d
Dilution:	1.0			Initial Weight/Volume:	15.00 g
Date Analyzed:	06/30/2009 2241			Final Weight/Volume:	1 mL
Date Prepared:	06/29/2009 1813			Injection Volume:	1.0 uL

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Tentatively Identified Compound		None	

Client: Haley & Aldrich, Inc. Job Number: 460-3167-1

Client Sample ID: **B-114-S1**

Lab Sample ID: 460-3167-2 Date Sampled: 06/24/2009 0730
Client Matrix: Solid % Moisture: 18.8 Date Received: 06/25/2009 1755

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-11016		Instrument ID:	BNAMS10
Preparation:	3541	Prep Batch: 460-10402		Lab File ID:	p6631.d
Dilution:	10			Initial Weight/Volume:	15.00 g
Date Analyzed:	07/03/2009 2048			Final Weight/Volume:	1 mL
Date Prepared:	06/29/2009 1813			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Bis(2-chloroethyl)ether		410	U	85	410
1,3-Dichlorobenzene		4100	U	560	4100
1,4-Dichlorobenzene		4100	U	610	4100
1,2-Dichlorobenzene		4100	U	650	4100
N-Nitrosodi-n-propylamine		410	U	54	410
Hexachloroethane		410	U	69	410
Nitrobenzene		410	U	91	410
Isophorone		4100	U	470	4100
Bis(2-chloroethoxy)methane		4100	U	580	4100
1,2,4-Trichlorobenzene		410	U	67	410
Naphthalene		9200		600	4100
4-Chloroaniline		4100	U	510	4100
Hexachlorobutadiene		830	U	170	830
2-Methylnaphthalene		6300		600	4100
Hexachlorocyclopentadiene		4100	U	1200	4100
2-Chloronaphthalene		4100	U	580	4100
2-Nitroaniline		8300	U	1100	8300
Dimethyl phthalate		4100	U	550	4100
Acenaphthylene		860	J	580	4100
2,6-Dinitrotoluene		830	U	100	830
3-Nitroaniline		8300	U	920	8300
Acenaphthene		12000		580	4100
Dibenzofuran		6900		610	4100
2,4-Dinitrotoluene		830	U	120	830
Diethyl phthalate		4100	U	550	4100
4-Chlorophenyl phenyl ether		4100	U	700	4100
Fluorene		13000		690	4100
4-Nitroaniline		8300	U	840	8300
N-Nitrosodiphenylamine		4100	U	660	4100
4-Bromophenyl phenyl ether		4100	U	730	4100
Hexachlorobenzene		410	U	57	410
Phenanthrene		96000		710	4100
Anthracene		17000		720	4100
Carbazole		5200		650	4100
Di-n-butyl phthalate		4100	U	620	4100
Fluoranthene		70000		680	4100
Pyrene		69000		700	4100
Butyl benzyl phthalate		4100	U	480	4100
3,3'-Dichlorobenzidine		8300	U	900	8300
Benzo[a]anthracene		27000		75	410
Chrysene		29000		590	4100
Bis(2-ethylhexyl) phthalate		4100	U	540	4100
Di-n-octyl phthalate		4100	U	480	4100
Benzo[b]fluoranthene		26000		61	410
Benzo[k]fluoranthene		12000		57	410
Benzo[a]pyrene		25000		50	410

Client: Haley & Aldrich, Inc. Job Number: 460-3167-1

Client Sample ID: **B-114-S1**

Lab Sample ID: 460-3167-2 Date Sampled: 06/24/2009 0730
Client Matrix: Solid % Moisture: 18.8 Date Received: 06/25/2009 1755

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-11016		Instrument ID:	BNAMS10
Preparation:	3541	Prep Batch: 460-10402		Lab File ID:	p6631.d
Dilution:	10			Initial Weight/Volume:	15.00 g
Date Analyzed:	07/03/2009 2048			Final Weight/Volume:	1 mL
Date Prepared:	06/29/2009 1813			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Indeno[1,2,3-cd]pyrene		12000		65	410
Dibenz(a,h)anthracene		2900		49	410
Benzo[g,h,i]perylene		12000		430	4100
bis (2-chloroisopropyl) ether		4100	U	530	4100

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	0	D	36 - 93
Nitrobenzene-d5	0	D	31 - 97
Terphenyl-d14	0	D	40 - 129

Client: Haley & Aldrich, Inc. Job Number: 460-3167-1

Client Sample ID: **B-114-S1**

Lab Sample ID: 460-3167-2 Date Sampled: 06/24/2009 0730
Client Matrix: Solid % Moisture: 18.8 Date Received: 06/25/2009 1755

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-11016		Instrument ID:	BNAMS10
Preparation:	3541	Prep Batch: 460-10402		Lab File ID:	p6631.d
Dilution:	10			Initial Weight/Volume:	15.00 g
Date Analyzed:	07/03/2009 2048			Final Weight/Volume:	1 mL
Date Prepared:	06/29/2009 1813			Injection Volume:	1.0 uL

Tentatively Identified Compounds **Number TIC's Found:** **14**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
90-12-0	1-Methylnaphthalene	6.16	6000	
575-41-7	1,3-Dimethylnaphthalene	6.76	5200	
132-65-0	Dibenzothiophene	8.44	5400	T J N
	C15H12 PAH	9.04	16000	T J
	C15H12 PAH	9.06	19000	T J
	C15H10/C15H12 PAHs	9.14	22000	T J
	C15H12 PAH	9.16	14000	T J
84-65-1	9,10-Anthracenedione	9.34	20000	T J N
	C16H14 PAH	9.58	9100	T J
	C16H12 PAH	9.61	6200	T J
	C16H12 PAH	9.67	6200	T J
	Unknown	9.86	6100	T J
	C17H12 PAH	10.28	7600	T J
	C20H12 PAH	13.02	15000	T J

Client: Haley & Aldrich, Inc. Job Number: 460-3167-1

Client Sample ID: **B-112-A1**

Lab Sample ID: 460-3167-3 Date Sampled: 06/24/2009 1445
Client Matrix: Solid % Moisture: 8.8 Date Received: 06/25/2009 1755

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-10600		Instrument ID:	BNAMS10
Preparation:	3541	Prep Batch: 460-10402		Lab File ID:	p6577.d
Dilution:	1.0			Initial Weight/Volume:	15.00 g
Date Analyzed:	07/01/2009 1950			Final Weight/Volume:	1 mL
Date Prepared:	06/29/2009 1813			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Bis(2-chloroethyl)ether		36	U	7.6	36
1,3-Dichlorobenzene		360	U	50	360
1,4-Dichlorobenzene		360	U	54	360
1,2-Dichlorobenzene		360	U	58	360
N-Nitrosodi-n-propylamine		36	U	4.8	36
Hexachloroethane		36	U	6.1	36
Nitrobenzene		36	U	8.1	36
Isophorone		360	U	42	360
Bis(2-chloroethoxy)methane		360	U	52	360
1,2,4-Trichlorobenzene		36	U	5.9	36
Naphthalene		360	U	53	360
4-Chloroaniline		360	U	46	360
Hexachlorobutadiene		73	U	15	73
2-Methylnaphthalene		360	U	53	360
Hexachlorocyclopentadiene		360	U	110	360
2-Chloronaphthalene		360	U	51	360
2-Nitroaniline		730	U	99	730
Dimethyl phthalate		360	U	49	360
Acenaphthylene		120	J	52	360
2,6-Dinitrotoluene		73	U	9.2	73
3-Nitroaniline		730	U	82	730
Acenaphthene		360	U	52	360
Dibenzofuran		360	U	55	360
2,4-Dinitrotoluene		73	U	11	73
Diethyl phthalate		360	U	49	360
4-Chlorophenyl phenyl ether		360	U	62	360
Fluorene		360	U	61	360
4-Nitroaniline		730	U	75	730
N-Nitrosodiphenylamine		360	U	59	360
4-Bromophenyl phenyl ether		360	U	65	360
Hexachlorobenzene		36	U	5.0	36
Phenanthrene		150	J	63	360
Anthracene		360	U	64	360
Carbazole		360	U	58	360
Di-n-butyl phthalate		360	U	55	360
Fluoranthene		420		60	360
Pyrene		420		63	360
Butyl benzyl phthalate		360	U	42	360
3,3'-Dichlorobenzidine		730	U	80	730
Benzo[a]anthracene		230		6.7	36
Chrysene		270	J	53	360
Bis(2-ethylhexyl) phthalate		87	J	48	360
Di-n-octyl phthalate		360	U	43	360
Benzo[b]fluoranthene		430		5.4	36
Benzo[k]fluoranthene		170		5.1	36
Benzo[a]pyrene		400		4.5	36

Client: Haley & Aldrich, Inc. Job Number: 460-3167-1

Client Sample ID: **B-112-A1**

Lab Sample ID: 460-3167-3 Date Sampled: 06/24/2009 1445
Client Matrix: Solid % Moisture: 8.8 Date Received: 06/25/2009 1755

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-10600		Instrument ID:	BNAMS10
Preparation:	3541	Prep Batch: 460-10402		Lab File ID:	p6577.d
Dilution:	1.0			Initial Weight/Volume:	15.00 g
Date Analyzed:	07/01/2009 1950			Final Weight/Volume:	1 mL
Date Prepared:	06/29/2009 1813			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Indeno[1,2,3-cd]pyrene		260		5.8	36
Dibenz(a,h)anthracene		55		4.4	36
Benzo[g,h,i]perylene		280	J	38	360
bis (2-chloroisopropyl) ether		360	U	48	360

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	79		36 - 93
Nitrobenzene-d5	79		31 - 97
Terphenyl-d14	72		40 - 129

Client: Haley & Aldrich, Inc. Job Number: 460-3167-1

Client Sample ID: **B-112-A1**

Lab Sample ID: 460-3167-3 Date Sampled: 06/24/2009 1445
Client Matrix: Solid % Moisture: 8.8 Date Received: 06/25/2009 1755

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-10600		Instrument ID:	BNAMS10
Preparation:	3541	Prep Batch: 460-10402		Lab File ID:	p6577.d
Dilution:	1.0			Initial Weight/Volume:	15.00 g
Date Analyzed:	07/01/2009 1950			Final Weight/Volume:	1 mL
Date Prepared:	06/29/2009 1813			Injection Volume:	1.0 uL

Tentatively Identified Compounds **Number TIC's Found:** 1

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	C20H12 PAH	13.09	290	T J

Client: Haley & Aldrich, Inc. Job Number: 460-3167-1

Client Sample ID: **B-112-S1**

Lab Sample ID: 460-3167-4 Date Sampled: 06/25/2009 0745
Client Matrix: Solid % Moisture: 16.8 Date Received: 06/25/2009 1755

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-10600		Instrument ID:	BNAMS10
Preparation:	3541	Prep Batch: 460-10402		Lab File ID:	p6583.d
Dilution:	2.0			Initial Weight/Volume:	15.01 g
Date Analyzed:	07/01/2009 2226			Final Weight/Volume:	1 mL
Date Prepared:	06/29/2009 1813			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Bis(2-chloroethyl)ether		79	U	17	79
1,3-Dichlorobenzene		790	U	110	790
1,4-Dichlorobenzene		790	U	120	790
1,2-Dichlorobenzene		790	U	130	790
N-Nitrosodi-n-propylamine		79	U	10	79
Hexachloroethane		79	U	13	79
Nitrobenzene		79	U	18	79
Isophorone		790	U	91	790
Bis(2-chloroethoxy)methane		790	U	110	790
1,2,4-Trichlorobenzene		79	U	13	79
Naphthalene		1800		120	790
4-Chloroaniline		790	U	100	790
Hexachlorobutadiene		160	U	32	160
2-Methylnaphthalene		1500		120	790
Hexachlorocyclopentadiene		790	U	230	790
2-Chloronaphthalene		790	U	110	790
2-Nitroaniline		1600	U	220	1600
Dimethyl phthalate		790	U	110	790
Acenaphthylene		6600		110	790
2,6-Dinitrotoluene		160	U	20	160
3-Nitroaniline		1600	U	180	1600
Acenaphthene		12000		110	790
Dibenzofuran		950		120	790
2,4-Dinitrotoluene		160	U	23	160
Diethyl phthalate		790	U	110	790
4-Chlorophenyl phenyl ether		790	U	140	790
Fluorene		6900		130	790
4-Nitroaniline		1600	U	160	1600
N-Nitrosodiphenylamine		790	U	130	790
4-Bromophenyl phenyl ether		790	U	140	790
Hexachlorobenzene		79	U	11	79
Phenanthrene		16000		140	790
Anthracene		6400		140	790
Carbazole		430	J	130	790
Di-n-butyl phthalate		790	U	120	790
Fluoranthene		8100		130	790
Pyrene		11000		140	790
Butyl benzyl phthalate		790	U	93	790
3,3'-Dichlorobenzidine		1600	U	180	1600
Benzo[a]anthracene		5600		15	79
Chrysene		5900		120	790
Bis(2-ethylhexyl) phthalate		790	U	110	790
Di-n-octyl phthalate		790	U	94	790
Benzo[b]fluoranthene		6700		12	79
Benzo[k]fluoranthene		2600		11	79
Benzo[a]pyrene		8000		9.8	79

Client: Haley & Aldrich, Inc. Job Number: 460-3167-1

Client Sample ID: **B-112-S1**

Lab Sample ID: 460-3167-4 Date Sampled: 06/25/2009 0745
Client Matrix: Solid % Moisture: 16.8 Date Received: 06/25/2009 1755

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-10600		Instrument ID:	BNAMS10
Preparation:	3541	Prep Batch: 460-10402		Lab File ID:	p6583.d
Dilution:	2.0			Initial Weight/Volume:	15.01 g
Date Analyzed:	07/01/2009 2226			Final Weight/Volume:	1 mL
Date Prepared:	06/29/2009 1813			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Indeno[1,2,3-cd]pyrene		4600		13	79
Dibenz(a,h)anthracene		1300		9.6	79
Benzo[g,h,i]perylene		4200		84	790
bis (2-chloroisopropyl) ether		790	U	100	790

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	68		36 - 93
Nitrobenzene-d5	70		31 - 97
Terphenyl-d14	64		40 - 129

Client: Haley & Aldrich, Inc. Job Number: 460-3167-1

Client Sample ID: **B-112-S1**

Lab Sample ID: 460-3167-4 Date Sampled: 06/25/2009 0745
Client Matrix: Solid % Moisture: 16.8 Date Received: 06/25/2009 1755

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-10600		Instrument ID:	BNAMS10
Preparation:	3541	Prep Batch: 460-10402		Lab File ID:	p6583.d
Dilution:	2.0			Initial Weight/Volume:	15.01 g
Date Analyzed:	07/01/2009 2226			Final Weight/Volume:	1 mL
Date Prepared:	06/29/2009 1813			Injection Volume:	1.0 uL

Tentatively Identified Compounds **Number TIC's Found:** **15**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
90-12-0	1-Methylnaphthalene	6.20	14000	
	Dimethylnaphthalene isomer	6.73	6600	T J
575-41-7	1,3-Dimethylnaphthalene	6.80	12000	
	Dimethylnaphthalene isomer	6.92	5100	T J
	Trimethylnaphthalene isomer	7.54	5100	T J
	Methyl-9H-Fluorene isomer	8.21	4500	T J
	C15H12 PAH	9.09	4500	T J
	C15H12 PAH	9.12	5600	T J
	C15H10 PAH	9.19	9500	T J
	C15H12 PAH	9.22	3900	T J
	C16H14 PAH	9.63	4400	T J
	C16H12 PAH	9.66	3900	T J
6566-19-4	10,18-Bisnorabieta-5,7,9(10),11,13-penta	9.84	5200	T J N
	C16H10 PAH	9.87	3500	T J
	C20H12 PAH	13.10	4500	T J

Client: Haley & Aldrich, Inc. Job Number: 460-3167-1

Client Sample ID: **B-126-A1**

Lab Sample ID: 460-3167-6 Date Sampled: 06/25/2009 0930
Client Matrix: Solid % Moisture: 14.8 Date Received: 06/25/2009 1755

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-11016		Instrument ID:	BNAMS10
Preparation:	3541	Prep Batch: 460-10402		Lab File ID:	p6632.d
Dilution:	1.0			Initial Weight/Volume:	15.05 g
Date Analyzed:	07/03/2009 2113			Final Weight/Volume:	1 mL
Date Prepared:	06/29/2009 1813			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Bis(2-chloroethyl)ether		39	U	8.1	39
1,3-Dichlorobenzene		390	U	53	390
1,4-Dichlorobenzene		390	U	58	390
1,2-Dichlorobenzene		390	U	62	390
N-Nitrosodi-n-propylamine		39	U	5.1	39
Hexachloroethane		39	U	6.5	39
Nitrobenzene		39	U	8.7	39
Isophorone		390	U	44	390
Bis(2-chloroethoxy)methane		390	U	55	390
1,2,4-Trichlorobenzene		39	U	6.3	39
Naphthalene		390	U	57	390
4-Chloroaniline		390	U	49	390
Hexachlorobutadiene		78	U	16	78
2-Methylnaphthalene		390	U	57	390
Hexachlorocyclopentadiene		390	U	110	390
2-Chloronaphthalene		390	U	55	390
2-Nitroaniline		780	U	110	780
Dimethyl phthalate		390	U	52	390
Acenaphthylene		75	J	55	390
2,6-Dinitrotoluene		78	U	9.8	78
3-Nitroaniline		780	U	88	780
Acenaphthene		390	U	55	390
Dibenzofuran		390	U	58	390
2,4-Dinitrotoluene		78	U	11	78
Diethyl phthalate		390	U	52	390
4-Chlorophenyl phenyl ether		390	U	67	390
Fluorene		390	U	66	390
4-Nitroaniline		780	U	80	780
N-Nitrosodiphenylamine		390	U	63	390
4-Bromophenyl phenyl ether		390	U	69	390
Hexachlorobenzene		39	U	5.4	39
Phenanthrene		860		68	390
Anthracene		200	J	68	390
Carbazole		390	U	62	390
Di-n-butyl phthalate		390	U	59	390
Fluoranthene		1100		64	390
Pyrene		1100		67	390
Butyl benzyl phthalate		160	J	45	390
3,3'-Dichlorobenzidine		780	U	86	780
Benzo[a]anthracene		590		7.2	39
Chrysene		590		56	390
Bis(2-ethylhexyl) phthalate		390	U	51	390
Di-n-octyl phthalate		390	U	46	390
Benzo[b]fluoranthene		720		5.8	39
Benzo[k]fluoranthene		280		5.4	39
Benzo[a]pyrene		600		4.8	39

Client: Haley & Aldrich, Inc. Job Number: 460-3167-1

Client Sample ID: **B-126-A1**

Lab Sample ID: 460-3167-6 Date Sampled: 06/25/2009 0930
Client Matrix: Solid % Moisture: 14.8 Date Received: 06/25/2009 1755

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-11016		Instrument ID:	BNAMS10
Preparation:	3541	Prep Batch: 460-10402		Lab File ID:	p6632.d
Dilution:	1.0			Initial Weight/Volume:	15.05 g
Date Analyzed:	07/03/2009 2113			Final Weight/Volume:	1 mL
Date Prepared:	06/29/2009 1813			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Indeno[1,2,3-cd]pyrene		380		6.2	39
Dibenz(a,h)anthracene		99		4.7	39
Benzo[g,h,i]perylene		340	J	41	390
bis (2-chloroisopropyl) ether		390	U	51	390

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	64		36 - 93
Nitrobenzene-d5	60		31 - 97
Terphenyl-d14	61		40 - 129

Client: Haley & Aldrich, Inc. Job Number: 460-3167-1

Client Sample ID: **B-126-A1**

Lab Sample ID: 460-3167-6 Date Sampled: 06/25/2009 0930
Client Matrix: Solid % Moisture: 14.8 Date Received: 06/25/2009 1755

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-11016		Instrument ID:	BNAMS10
Preparation:	3541	Prep Batch: 460-10402		Lab File ID:	p6632.d
Dilution:	1.0			Initial Weight/Volume:	15.05 g
Date Analyzed:	07/03/2009 2113			Final Weight/Volume:	1 mL
Date Prepared:	06/29/2009 1813			Injection Volume:	1.0 uL

Tentatively Identified Compounds **Number TIC's Found:** **1**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	C20H12 PAH	13.02	430	T J

Client: Haley & Aldrich, Inc. Job Number: 460-3167-1

Client Sample ID: **B-126-S1**

Lab Sample ID: 460-3167-7 Date Sampled: 06/25/2009 1030
Client Matrix: Solid % Moisture: 15.9 Date Received: 06/25/2009 1755

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-10600		Instrument ID:	BNAMS10
Preparation:	3541	Prep Batch: 460-10402		Lab File ID:	p6579.d
Dilution:	2.0			Initial Weight/Volume:	15.01 g
Date Analyzed:	07/01/2009 2043			Final Weight/Volume:	1 mL
Date Prepared:	06/29/2009 1813			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Bis(2-chloroethyl)ether		78	U	16	78
1,3-Dichlorobenzene		780	U	110	780
1,4-Dichlorobenzene		780	U	120	780
1,2-Dichlorobenzene		780	U	130	780
N-Nitrosodi-n-propylamine		78	U	10	78
Hexachloroethane		78	U	13	78
Nitrobenzene		78	U	18	78
Isophorone		780	U	90	780
Bis(2-chloroethoxy)methane		780	U	110	780
1,2,4-Trichlorobenzene		78	U	13	78
Naphthalene		740	J	120	780
4-Chloroaniline		780	U	99	780
Hexachlorobutadiene		160	U	32	160
2-Methylnaphthalene		290	J	110	780
Hexachlorocyclopentadiene		780	U	230	780
2-Chloronaphthalene		780	U	110	780
2-Nitroaniline		1600	U	220	1600
Dimethyl phthalate		780	U	110	780
Acenaphthylene		300	J	110	780
2,6-Dinitrotoluene		160	U	20	160
3-Nitroaniline		1600	U	180	1600
Acenaphthene		1500		110	780
Dibenzofuran		490	J	120	780
2,4-Dinitrotoluene		160	U	23	160
Diethyl phthalate		780	U	110	780
4-Chlorophenyl phenyl ether		780	U	140	780
Fluorene		770	J	130	780
4-Nitroaniline		1600	U	160	1600
N-Nitrosodiphenylamine		780	U	130	780
4-Bromophenyl phenyl ether		780	U	140	780
Hexachlorobenzene		78	U	11	78
Phenanthrene		6400		140	780
Anthracene		2600		140	780
Carbazole		1100		120	780
Di-n-butyl phthalate		780	U	120	780
Fluoranthene		11000		130	780
Pyrene		10000		140	780
Butyl benzyl phthalate		780	U	92	780
3,3'-Dichlorobenzidine		1600	U	170	1600
Benzo[a]anthracene		11000		15	78
Chrysene		10000		110	780
Bis(2-ethylhexyl) phthalate		780	U	100	780
Di-n-octyl phthalate		780	U	93	780
Benzo[b]fluoranthene		17000		12	78
Benzo[k]fluoranthene		7700		11	78
Benzo[a]pyrene		18000		9.7	78

Client: Haley & Aldrich, Inc. Job Number: 460-3167-1

Client Sample ID: **B-126-S1**

Lab Sample ID: 460-3167-7 Date Sampled: 06/25/2009 1030
Client Matrix: Solid % Moisture: 15.9 Date Received: 06/25/2009 1755

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-10600		Instrument ID:	BNAMS10
Preparation:	3541	Prep Batch: 460-10402		Lab File ID:	p6579.d
Dilution:	2.0			Initial Weight/Volume:	15.01 g
Date Analyzed:	07/01/2009 2043			Final Weight/Volume:	1 mL
Date Prepared:	06/29/2009 1813			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Indeno[1,2,3-cd]pyrene		12000		13	78
Dibenz(a,h)anthracene		2900		9.5	78
Benzo[g,h,i]perylene		9500		83	780
bis (2-chloroisopropyl) ether		780	U	100	780

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	75		36 - 93
Nitrobenzene-d5	72		31 - 97
Terphenyl-d14	69		40 - 129

Client: Haley & Aldrich, Inc. Job Number: 460-3167-1

Client Sample ID: **B-126-S1**

Lab Sample ID: 460-3167-7 Date Sampled: 06/25/2009 1030
Client Matrix: Solid % Moisture: 15.9 Date Received: 06/25/2009 1755

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-10600		Instrument ID:	BNAMS10
Preparation:	3541	Prep Batch: 460-10402		Lab File ID:	p6579.d
Dilution:	2.0			Initial Weight/Volume:	15.01 g
Date Analyzed:	07/01/2009 2043			Final Weight/Volume:	1 mL
Date Prepared:	06/29/2009 1813			Injection Volume:	1.0 uL

Tentatively Identified Compounds **Number TIC's Found:** **15**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	C17H12 PAH	10.33	3000	T J
	C18H12 PAH	11.44	3900	T J
	C19H14 PAH	11.83	3100	T J
	C20H12 PAH	12.86	5500	T J
	Unknown	13.01	2700	T J
	C20H12 PAH	13.10	9200	T J
	C20H12 PAH	13.29	4500	T J
	C21H14 PAH	13.51	2700	T J
	C22H12/C22H14 PAHs	14.64	4200	T J
	C22H14 PAH	14.99	4900	T J
	C22H14 PAH	15.05	4600	T J
	C22H12 PAH	15.46	6000	T J
	Unknown	17.46	7400	T J
	Unknown	17.63	6200	T J
	Unknown	17.72	4100	T J

Client: Haley & Aldrich, Inc. Job Number: 460-3167-1

Client Sample ID: **B-114M-S1**

Lab Sample ID: 460-3167-1 Date Sampled: 06/24/2009 1430
Client Matrix: Solid % Moisture: 17.7 Date Received: 06/25/2009 1755

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 460-10427		Instrument ID:	PESTGC5
Preparation:	3541	Prep Batch: 460-10210		Initial Weight/Volume:	14.99 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	06/29/2009 0922			Injection Volume:	1.0 uL
Date Prepared:	06/26/2009 1123			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aldrin		8.1	U	1.8	8.1
alpha-BHC		8.1	U	1.5	8.1
beta-BHC		8.1	U	1.1	8.1
delta-BHC		8.1	U	1.2	8.1
gamma-BHC (Lindane)		8.1	U	0.95	8.1
Chlordane		81	U	18	81
4,4'-DDD		8.1	U	0.97	8.1
4,4'-DDE		8.1	U	1.6	8.1
4,4'-DDT		8.1	U	1.0	8.1
Dieldrin		2.1	J	1.6	8.1
Endosulfan I		8.1	U	1.7	8.1
Endosulfan II		8.1	U	1.2	8.1
Endosulfan sulfate		8.1	U	1.0	8.1
Endrin		8.1	U	1.1	8.1
Endrin aldehyde		8.1	U	2.0	8.1
Endrin ketone		2.7	J	1.2	8.1
Heptachlor		8.1	U	1.2	8.1
Heptachlor epoxide		8.1	U	1.6	8.1
Methoxychlor		8.1	U	0.91	8.1
Toxaphene		81	U	17	81

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	82		26 - 126
DCB Decachlorobiphenyl	104		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-3167-1

Client Sample ID: **B-114M-S1**

Lab Sample ID: 460-3167-1 Date Sampled: 06/24/2009 1430
Client Matrix: Solid % Moisture: 17.7 Date Received: 06/25/2009 1755

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 460-10427	Instrument ID:	PESTGC5
Preparation:	3541	Prep Batch: 460-10210	Initial Weight/Volume:	14.99 g
Dilution:	1.0		Final Weight/Volume:	10 mL
Date Analyzed:	06/29/2009 0922		Injection Volume:	1.0 uL
Date Prepared:	06/26/2009 1123		Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	81		26 - 126
DCB Decachlorobiphenyl	85		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-3167-1

Client Sample ID: **B-114-S1**

Lab Sample ID: 460-3167-2 Date Sampled: 06/24/2009 0730
Client Matrix: Solid % Moisture: 18.8 Date Received: 06/25/2009 1755

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 460-10427		Instrument ID:	PESTGC5
Preparation:	3541	Prep Batch: 460-10210		Initial Weight/Volume:	15.02 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	06/29/2009 0937			Injection Volume:	1.0 uL
Date Prepared:	06/26/2009 1123			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aldrin		8.2	U	1.8	8.2
alpha-BHC		8.2	U	1.5	8.2
beta-BHC		8.2	U	1.1	8.2
delta-BHC		8.2	U	1.3	8.2
gamma-BHC (Lindane)		8.2	U	0.96	8.2
Chlordane		82	U	18	82
4,4'-DDD		2.5	J	0.98	8.2
4,4'-DDE		8.2	U	1.6	8.2
4,4'-DDT		8.2	U	1.0	8.2
Dieldrin		8.2	U	1.6	8.2
Endosulfan I		8.2	U	1.7	8.2
Endosulfan II		8.2	U	1.2	8.2
Endosulfan sulfate		9.2		1.1	8.2
Endrin		8.2	U	1.2	8.2
Endrin aldehyde		8.2	U	2.1	8.2
Endrin ketone		3.9	J	1.2	8.2
Heptachlor		8.2	U	1.2	8.2
Heptachlor epoxide		8.2	U	1.7	8.2
Methoxychlor		8.2	U	0.92	8.2
Toxaphene		82	U	17	82

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	69		26 - 126
DCB Decachlorobiphenyl	119		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-3167-1

Client Sample ID: **B-114-S1**

Lab Sample ID: 460-3167-2 Date Sampled: 06/24/2009 0730
Client Matrix: Solid % Moisture: 18.8 Date Received: 06/25/2009 1755

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 460-10427	Instrument ID:	PESTGC5
Preparation:	3541	Prep Batch: 460-10210	Initial Weight/Volume:	15.02 g
Dilution:	1.0		Final Weight/Volume:	10 mL
Date Analyzed:	06/29/2009 0937		Injection Volume:	1.0 uL
Date Prepared:	06/26/2009 1123		Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	68		26 - 126
DCB Decachlorobiphenyl	85		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-3167-1

Client Sample ID: **B-112-A1**

Lab Sample ID: 460-3167-3 Date Sampled: 06/24/2009 1445
Client Matrix: Solid % Moisture: 8.8 Date Received: 06/25/2009 1755

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 460-10427		Instrument ID:	PESTGC5
Preparation:	3541	Prep Batch: 460-10210		Initial Weight/Volume:	15.01 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	06/29/2009 0952			Injection Volume:	1.0 uL
Date Prepared:	06/26/2009 1123			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aldrin		7.3	U	1.6	7.3
alpha-BHC		7.3	U	1.4	7.3
beta-BHC		7.3	U	1.0	7.3
delta-BHC		7.3	U	1.1	7.3
gamma-BHC (Lindane)		7.3	U	0.85	7.3
Chlordane		73	U	16	73
4,4'-DDD		7.3	U	0.88	7.3
4,4'-DDE		7.3	U	1.4	7.3
4,4'-DDT		2.6	J	0.92	7.3
Dieldrin		7.3	U	1.4	7.3
Endosulfan I		7.3	U	1.5	7.3
Endosulfan II		7.3	U	1.1	7.3
Endosulfan sulfate		7.3	U	0.94	7.3
Endrin		7.3	U	1.0	7.3
Endrin aldehyde		7.3	U	1.8	7.3
Endrin ketone		7.3	U	1.1	7.3
Heptachlor		7.3	U	1.1	7.3
Heptachlor epoxide		7.3	U	1.5	7.3
Methoxychlor		7.3	U	0.82	7.3
Toxaphene		73	U	15	73

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	86		26 - 126
DCB Decachlorobiphenyl	106		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-3167-1

Client Sample ID: **B-112-A1**

Lab Sample ID: 460-3167-3 Date Sampled: 06/24/2009 1445
Client Matrix: Solid % Moisture: 8.8 Date Received: 06/25/2009 1755

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 460-10427	Instrument ID:	PESTGC5
Preparation:	3541	Prep Batch: 460-10210	Initial Weight/Volume:	15.01 g
Dilution:	1.0		Final Weight/Volume:	10 mL
Date Analyzed:	06/29/2009 0952		Injection Volume:	1.0 uL
Date Prepared:	06/26/2009 1123		Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	84		26 - 126
DCB Decachlorobiphenyl	90		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-3167-1

Client Sample ID: **B-112-S1**

Lab Sample ID: 460-3167-4 Date Sampled: 06/25/2009 0745
Client Matrix: Solid % Moisture: 16.8 Date Received: 06/25/2009 1755

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 460-10427		Instrument ID:	PESTGC5
Preparation:	3541	Prep Batch: 460-10210		Initial Weight/Volume:	15.00 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	06/29/2009 1007			Injection Volume:	1.0 uL
Date Prepared:	06/26/2009 1123			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aldrin		8.1	U	1.8	8.1
alpha-BHC		23		1.5	8.1
beta-BHC		8.1	U	1.1	8.1
delta-BHC		1.5	J	1.2	8.1
gamma-BHC (Lindane)		8.1	U	0.94	8.1
Chlordane		81	U	17	81
4,4'-DDD		9.1		0.96	8.1
4,4'-DDE		8.1	U	1.6	8.1
4,4'-DDT		12		1.0	8.1
Dieldrin		3.2	J	1.6	8.1
Endosulfan I		8.1	U	1.7	8.1
Endosulfan II		7.1	J	1.2	8.1
Endosulfan sulfate		3.1	J	1.0	8.1
Endrin		8.1	U	1.1	8.1
Endrin aldehyde		6.4	J	2.0	8.1
Endrin ketone		3.9	J	1.2	8.1
Heptachlor		8.1	U	1.2	8.1
Heptachlor epoxide		8.1	U	1.6	8.1
Methoxychlor		4.6	J	0.90	8.1
Toxaphene		81	U	17	81

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	65		26 - 126
DCB Decachlorobiphenyl	90		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-3167-1

Client Sample ID: **B-112-S1**

Lab Sample ID: 460-3167-4 Date Sampled: 06/25/2009 0745
Client Matrix: Solid % Moisture: 16.8 Date Received: 06/25/2009 1755

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 460-10427	Instrument ID:	PESTGC5
Preparation:	3541	Prep Batch: 460-10210	Initial Weight/Volume:	15.00 g
Dilution:	1.0		Final Weight/Volume:	10 mL
Date Analyzed:	06/29/2009 1007		Injection Volume:	1.0 uL
Date Prepared:	06/26/2009 1123		Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	112		26 - 126
DCB Decachlorobiphenyl	292	X	48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-3167-1

Client Sample ID: **B-126-A1**

Lab Sample ID: 460-3167-6 Date Sampled: 06/25/2009 0930
Client Matrix: Solid % Moisture: 14.8 Date Received: 06/25/2009 1755

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 460-10427		Instrument ID:	PESTGC5
Preparation:	3541	Prep Batch: 460-10210		Initial Weight/Volume:	15.02 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	06/29/2009 1022			Injection Volume:	1.0 uL
Date Prepared:	06/26/2009 1123			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aldrin		7.9	U	1.7	7.9
alpha-BHC		7.9	U	1.5	7.9
beta-BHC		7.9	U	1.1	7.9
delta-BHC		7.9	U	1.2	7.9
gamma-BHC (Lindane)		7.9	U	0.91	7.9
Chlordane		79	U	17	79
4,4'-DDD		7.9	U	0.94	7.9
4,4'-DDE		7.9	U	1.5	7.9
4,4'-DDT		3.1	J	0.98	7.9
Dieldrin		7.9	U	1.5	7.9
Endosulfan I		7.9	U	1.7	7.9
Endosulfan II		7.9	U	1.2	7.9
Endosulfan sulfate		1.3	J	1.0	7.9
Endrin		7.9	U	1.1	7.9
Endrin aldehyde		7.9	U	2.0	7.9
Endrin ketone		1.8	J	1.2	7.9
Heptachlor		7.9	U	1.1	7.9
Heptachlor epoxide		7.9	U	1.6	7.9
Methoxychlor		7.9	U	0.88	7.9
Toxaphene		79	U	16	79

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	84		26 - 126
DCB Decachlorobiphenyl	76		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-3167-1

Client Sample ID: **B-126-A1**

Lab Sample ID: 460-3167-6 Date Sampled: 06/25/2009 0930
Client Matrix: Solid % Moisture: 14.8 Date Received: 06/25/2009 1755

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 460-10427	Instrument ID:	PESTGC5
Preparation:	3541	Prep Batch: 460-10210	Initial Weight/Volume:	15.02 g
Dilution:	1.0		Final Weight/Volume:	10 mL
Date Analyzed:	06/29/2009 1022		Injection Volume:	1.0 uL
Date Prepared:	06/26/2009 1123		Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	74		26 - 126
DCB Decachlorobiphenyl	129		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-3167-1

Client Sample ID: **B-126-S1**

Lab Sample ID: 460-3167-7 Date Sampled: 06/25/2009 1030
Client Matrix: Solid % Moisture: 15.9 Date Received: 06/25/2009 1755

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 460-10427		Instrument ID:	PESTGC5
Preparation:	3541	Prep Batch: 460-10210		Initial Weight/Volume:	15.01 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	06/29/2009 1037			Injection Volume:	1.0 uL
Date Prepared:	06/26/2009 1123			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aldrin		8.0	U	1.7	8.0
alpha-BHC		8.0	U	1.5	8.0
beta-BHC		8.0	U	1.1	8.0
delta-BHC		8.0	U	1.2	8.0
gamma-BHC (Lindane)		8.0	U	0.93	8.0
Chlordane		80	U	17	80
4,4'-DDD		8.0	U	0.95	8.0
4,4'-DDE		8.0	U	1.5	8.0
4,4'-DDT		8.0	U	1.0	8.0
Dieldrin		8.0	U	1.5	8.0
Endosulfan I		8.0	U	1.7	8.0
Endosulfan II		8.0	U	1.2	8.0
Endosulfan sulfate		8.0	U	1.0	8.0
Endrin		8.0	U	1.1	8.0
Endrin aldehyde		8.0	U	2.0	8.0
Endrin ketone		2.7	J	1.2	8.0
Heptachlor		8.0	U	1.1	8.0
Heptachlor epoxide		8.0	U	1.6	8.0
Methoxychlor		4.8	J	0.89	8.0
Toxaphene		80	U	17	80

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	79		26 - 126
DCB Decachlorobiphenyl	83		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-3167-1

Client Sample ID: **B-126-S1**

Lab Sample ID: 460-3167-7 Date Sampled: 06/25/2009 1030
Client Matrix: Solid % Moisture: 15.9 Date Received: 06/25/2009 1755

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 460-10427		Instrument ID:	PESTGC5
Preparation:	3541	Prep Batch: 460-10210		Initial Weight/Volume:	15.01 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	06/29/2009 1037			Injection Volume:	1.0 uL
Date Prepared:	06/26/2009 1123			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	76		26 - 126
DCB Decachlorobiphenyl	286	X	48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-3167-1

Client Sample ID: **B-114M-S1**

Lab Sample ID: 460-3167-1 Date Sampled: 06/24/2009 1430
Client Matrix: Solid % Moisture: 17.7 Date Received: 06/25/2009 1755

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 460-10422		Instrument ID:	PESTGC7
Preparation:	3541	Prep Batch: 460-10206		Initial Weight/Volume:	15.04 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	06/29/2009 0029			Injection Volume:	1.0 uL
Date Prepared:	06/26/2009 1036			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		81	U	16	81
Aroclor 1221		81	U	24	81
Aroclor 1232		81	U	46	81
Aroclor 1242		81	U	15	81
Aroclor 1248		81	U	22	81
Aroclor 1254		81	U	28	81
Aroclor 1260		81	U	9.1	81
Aroclor 1262		81	U	14	81
Aroclor 1268		81	U	14	81

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	103		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-3167-1

Client Sample ID: **B-114M-S1**

Lab Sample ID: 460-3167-1 Date Sampled: 06/24/2009 1430
Client Matrix: Solid % Moisture: 17.7 Date Received: 06/25/2009 1755

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 460-10422		Instrument ID:	PESTGC7
Preparation:	3541	Prep Batch: 460-10206		Initial Weight/Volume:	15.04 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	06/29/2009 0029			Injection Volume:	1.0 uL
Date Prepared:	06/26/2009 1036			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	86		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-3167-1

Client Sample ID: **B-114-S1**

Lab Sample ID: 460-3167-2 Date Sampled: 06/24/2009 0730
Client Matrix: Solid % Moisture: 18.8 Date Received: 06/25/2009 1755

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 460-10422		Instrument ID:	PESTGC7
Preparation:	3541	Prep Batch: 460-10206		Initial Weight/Volume:	15.01 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	06/29/2009 0046			Injection Volume:	1.0 uL
Date Prepared:	06/26/2009 1036			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		82	U	16	82
Aroclor 1221		82	U	25	82
Aroclor 1232		82	U	47	82
Aroclor 1242		82	U	16	82
Aroclor 1248		82	U	22	82
Aroclor 1254		82	U	28	82
Aroclor 1260		82	U	9.2	82
Aroclor 1262		82	U	14	82
Aroclor 1268		82	U	14	82

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	122		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-3167-1

Client Sample ID: **B-114-S1**

Lab Sample ID: 460-3167-2 Date Sampled: 06/24/2009 0730
Client Matrix: Solid % Moisture: 18.8 Date Received: 06/25/2009 1755

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 460-10422		Instrument ID:	PESTGC7
Preparation:	3541	Prep Batch: 460-10206		Initial Weight/Volume:	15.01 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	06/29/2009 0046			Injection Volume:	1.0 uL
Date Prepared:	06/26/2009 1036			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	118		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-3167-1

Client Sample ID: **B-112-A1**

Lab Sample ID: 460-3167-3 Date Sampled: 06/24/2009 1445
Client Matrix: Solid % Moisture: 8.8 Date Received: 06/25/2009 1755

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 460-10422		Instrument ID:	PESTGC7
Preparation:	3541	Prep Batch: 460-10206		Initial Weight/Volume:	15.02 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	06/29/2009 0102			Injection Volume:	1.0 uL
Date Prepared:	06/26/2009 1036			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		73	U	14	73
Aroclor 1221		73	U	22	73
Aroclor 1232		73	U	42	73
Aroclor 1242		73	U	14	73
Aroclor 1248		73	U	19	73
Aroclor 1254		73	U	25	73
Aroclor 1260		46	J	8.2	73
Aroclor 1262		73	U	13	73
Aroclor 1268		73	U	13	73

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	121		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-3167-1

Client Sample ID: **B-112-A1**

Lab Sample ID: 460-3167-3 Date Sampled: 06/24/2009 1445
Client Matrix: Solid % Moisture: 8.8 Date Received: 06/25/2009 1755

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 460-10422		Instrument ID:	PESTGC7
Preparation:	3541	Prep Batch: 460-10206		Initial Weight/Volume:	15.02 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	06/29/2009 0102			Injection Volume:	1.0 uL
Date Prepared:	06/26/2009 1036			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	97		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-3167-1

Client Sample ID: **B-112-S1**

Lab Sample ID: 460-3167-4 Date Sampled: 06/25/2009 0745
Client Matrix: Solid % Moisture: 16.8 Date Received: 06/25/2009 1755

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 460-10422		Instrument ID:	PESTGC7
Preparation:	3541	Prep Batch: 460-10206		Initial Weight/Volume:	15.03 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	06/29/2009 0119			Injection Volume:	1.0 uL
Date Prepared:	06/26/2009 1036			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		80	U	15	80
Aroclor 1221		80	U	24	80
Aroclor 1232		80	U	46	80
Aroclor 1242		80	U	15	80
Aroclor 1248		80	U	21	80
Aroclor 1254		80	U	27	80
Aroclor 1260		80	U	9.0	80
Aroclor 1262		80	U	14	80
Aroclor 1268		80	U	14	80

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	150	X	48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-3167-1

Client Sample ID: **B-112-S1**

Lab Sample ID: 460-3167-4 Date Sampled: 06/25/2009 0745
Client Matrix: Solid % Moisture: 16.8 Date Received: 06/25/2009 1755

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 460-10422		Instrument ID:	PESTGC7
Preparation:	3541	Prep Batch: 460-10206		Initial Weight/Volume:	15.03 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	06/29/2009 0119			Injection Volume:	1.0 uL
Date Prepared:	06/26/2009 1036			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	139		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-3167-1

Client Sample ID: **B-126-A1**

Lab Sample ID: 460-3167-6 Date Sampled: 06/25/2009 0930
Client Matrix: Solid % Moisture: 14.8 Date Received: 06/25/2009 1755

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 460-10422		Instrument ID:	PESTGC7
Preparation:	3541	Prep Batch: 460-10206		Initial Weight/Volume:	14.99 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	06/29/2009 0135			Injection Volume:	1.0 uL
Date Prepared:	06/26/2009 1036			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		79	U	15	79
Aroclor 1221		79	U	24	79
Aroclor 1232		79	U	45	79
Aroclor 1242		79	U	15	79
Aroclor 1248		79	U	21	79
Aroclor 1254		79	U	27	79
Aroclor 1260		79	U	8.8	79
Aroclor 1262		79	U	14	79
Aroclor 1268		79	U	14	79

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	127		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-3167-1

Client Sample ID: **B-126-A1**

Lab Sample ID: 460-3167-6 Date Sampled: 06/25/2009 0930
Client Matrix: Solid % Moisture: 14.8 Date Received: 06/25/2009 1755

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 460-10422		Instrument ID:	PESTGC7
Preparation:	3541	Prep Batch: 460-10206		Initial Weight/Volume:	14.99 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	06/29/2009 0135			Injection Volume:	1.0 uL
Date Prepared:	06/26/2009 1036			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	117		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-3167-1

Client Sample ID: **B-126-S1**

Lab Sample ID: 460-3167-7 Date Sampled: 06/25/2009 1030
Client Matrix: Solid % Moisture: 15.9 Date Received: 06/25/2009 1755

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 460-10422		Instrument ID:	PESTGC7
Preparation:	3541	Prep Batch: 460-10206		Initial Weight/Volume:	15.02 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	06/29/2009 0152			Injection Volume:	1.0 uL
Date Prepared:	06/26/2009 1036			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		80	U	15	80
Aroclor 1221		80	U	24	80
Aroclor 1232		80	U	45	80
Aroclor 1242		80	U	15	80
Aroclor 1248		80	U	21	80
Aroclor 1254		80	U	27	80
Aroclor 1260		80	U	8.9	80
Aroclor 1262		80	U	14	80
Aroclor 1268		80	U	14	80

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	212	X	48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-3167-1

Client Sample ID: **B-126-S1**

Lab Sample ID: 460-3167-7 Date Sampled: 06/25/2009 1030
Client Matrix: Solid % Moisture: 15.9 Date Received: 06/25/2009 1755

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 460-10422		Instrument ID:	PESTGC7
Preparation:	3541	Prep Batch: 460-10206		Initial Weight/Volume:	15.02 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	06/29/2009 0152			Injection Volume:	1.0 uL
Date Prepared:	06/26/2009 1036			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	145		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-3167-1

Client Sample ID: **B-114M-S1**

Lab Sample ID: 460-3167-1 Date Sampled: 06/24/2009 1430
Client Matrix: Solid % Moisture: 17.7 Date Received: 06/25/2009 1755

NJ-OQA-QAM-025 New Jersey - Total petroleum Hydrocarbons (GC)

Method:	NJ-OQA-QAM-025	Analysis Batch: 460-10439	Instrument ID:	BNAGC1
Preparation:	3541	Prep Batch: 460-10303	Lab File ID:	gcr34041.d
Dilution:	1.0		Initial Weight/Volume:	15.03 g
Date Analyzed:	06/29/2009 2132		Final Weight/Volume:	1 mL
Date Prepared:	06/27/2009 1404		Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL	RL
Total Petroleum Hydrocarbons (C8-C40)		6.7	U	6.7	6.7

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	70		46 - 124
Chlorobenzene	58		19 - 98

Client: Haley & Aldrich, Inc. Job Number: 460-3167-1

Client Sample ID: **B-114-S1**

Lab Sample ID: 460-3167-2 Date Sampled: 06/24/2009 0730
Client Matrix: Solid % Moisture: 18.8 Date Received: 06/25/2009 1755

NJ-OQA-QAM-025 New Jersey - Total petroleum Hydrocarbons (GC)

Method:	NJ-OQA-QAM-025	Analysis Batch: 460-10439	Instrument ID:	BNAGC1
Preparation:	3541	Prep Batch: 460-10303	Lab File ID:	gcr34042.d
Dilution:	1.0		Initial Weight/Volume:	15.02 g
Date Analyzed:	06/29/2009 2141		Final Weight/Volume:	1 mL
Date Prepared:	06/27/2009 1404		Injection Volume:	1 uL

Analyte DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL	RL
Total Petroleum Hydrocarbons (C8-C40)	6.8	U	6.8	6.8

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	64		46 - 124
Chlorobenzene	55		19 - 98

Client: Haley & Aldrich, Inc. Job Number: 460-3167-1

Client Sample ID: **B-112-A1**

Lab Sample ID: 460-3167-3 Date Sampled: 06/24/2009 1445
Client Matrix: Solid % Moisture: 8.8 Date Received: 06/25/2009 1755

NJ-OQA-QAM-025 New Jersey - Total petroleum Hydrocarbons (GC)

Method:	NJ-OQA-QAM-025	Analysis Batch: 460-10439		Instrument ID:	BNAGC1
Preparation:	3541	Prep Batch: 460-10303		Lab File ID:	gcr34043.d
Dilution:	1.0			Initial Weight/Volume:	15.00 g
Date Analyzed:	06/29/2009 2156			Final Weight/Volume:	1 mL
Date Prepared:	06/27/2009 1404			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL	RL
Total Petroleum Hydrocarbons (C8-C40)		36		6.0	6.0

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	66		46 - 124
Chlorobenzene	58		19 - 98

Client: Haley & Aldrich, Inc. Job Number: 460-3167-1

Client Sample ID: **B-112-S1**

Lab Sample ID: 460-3167-4 Date Sampled: 06/25/2009 0745
Client Matrix: Solid % Moisture: 16.8 Date Received: 06/25/2009 1755

NJ-OQA-QAM-025 New Jersey - Total petroleum Hydrocarbons (GC)

Method:	NJ-OQA-QAM-025	Analysis Batch: 460-10439		Instrument ID:	BNAGC1
Preparation:	3541	Prep Batch: 460-10304		Lab File ID:	gcr34065.d
Dilution:	1.0			Initial Weight/Volume:	14.99 g
Date Analyzed:	06/30/2009 0309			Final Weight/Volume:	1 mL
Date Prepared:	06/27/2009 1412			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL	RL
Total Petroleum Hydrocarbons (C8-C40)		140		6.6	6.6

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	74		46 - 124
Chlorobenzene	69		19 - 98

Client: Haley & Aldrich, Inc. Job Number: 460-3167-1

Client Sample ID: **B-126-A1**

Lab Sample ID: 460-3167-6 Date Sampled: 06/25/2009 0930
Client Matrix: Solid % Moisture: 14.8 Date Received: 06/25/2009 1755

NJ-OQA-QAM-025 New Jersey - Total petroleum Hydrocarbons (GC)

Method:	NJ-OQA-QAM-025	Analysis Batch: 460-10439	Instrument ID:	BNAGC1
Preparation:	3541	Prep Batch: 460-10304	Lab File ID:	gcr34062.d
Dilution:	1.0		Initial Weight/Volume:	14.98 g
Date Analyzed:	06/30/2009 0230		Final Weight/Volume:	1 mL
Date Prepared:	06/27/2009 1412		Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL	RL
Total Petroleum Hydrocarbons (C8-C40)		70		6.5	6.5

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	75		46 - 124
Chlorobenzene	31		19 - 98

Client: Haley & Aldrich, Inc. Job Number: 460-3167-1

Client Sample ID: **B-126-S1**

Lab Sample ID: 460-3167-7 Date Sampled: 06/25/2009 1030
Client Matrix: Solid % Moisture: 15.9 Date Received: 06/25/2009 1755

NJ-OQA-QAM-025 New Jersey - Total petroleum Hydrocarbons (GC)

Method:	NJ-OQA-QAM-025	Analysis Batch: 460-10439		Instrument ID:	BNAGC1
Preparation:	3541	Prep Batch: 460-10304		Lab File ID:	gcr34061.d
Dilution:	1.0			Initial Weight/Volume:	14.98 g
Date Analyzed:	06/30/2009 0215			Final Weight/Volume:	1 mL
Date Prepared:	06/27/2009 1412			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL	RL
Total Petroleum Hydrocarbons (C8-C40)		190		6.5	6.5

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	84		46 - 124
Chlorobenzene	70		19 - 98

Client: Haley & Aldrich, Inc. Job Number: 460-3167-1

Client Sample ID: **B-114M-S1**

Lab Sample ID: 460-3167-1 Date Sampled: 06/24/2009 1430
Client Matrix: Solid % Moisture: 17.7 Date Received: 06/25/2009 1755

6010B Metals (ICP)

Method: 6010B Analysis Batch: 460-10570 Instrument ID: ICP3
Preparation: 3050B Prep Batch: 460-10503 Lab File ID: 10503N1
Dilution: 4.0 Initial Weight/Volume: 1.03 g
Date Analyzed: 07/01/2009 0140 Final Weight/Volume: 50 mL
Date Prepared: 06/30/2009 1713

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		2110		17.3	47.2
Antimony		2.4	U	1.0	2.4
Arsenic		19.6		0.82	1.2
Barium		63.0		1.4	47.2
Beryllium		0.32	J	0.21	0.47
Cadmium		1.2	U	0.18	1.2
Calcium		4850		31.0	1180
Chromium		6.1		1.4	2.4
Cobalt		3.8	J	1.4	11.8
Copper		21.6		0.96	5.9
Iron		9470		12.5	35.4
Lead		11.8	B	0.59	1.2
Magnesium		292	J	12.5	1180
Manganese		38.4		1.3	3.5
Nickel		10.6		0.63	9.4
Potassium		204	J	53.2	1180
Selenium		1.7	J	1.1	2.4
Silver		4.8		0.18	2.4
Sodium		1160	J B	72.4	1180
Thallium		2.4	U	1.1	2.4
Vanadium		11.2	J	0.61	11.8
Zinc		15.3		1.2	7.1

7471A Mercury (CVAA)

Method: 7471A Analysis Batch: 460-10391 Instrument ID: LEEMAN3
Preparation: 7471A Prep Batch: 460-10366 Lab File ID: N/A
Dilution: 1.0 Initial Weight/Volume: 0.65 g
Date Analyzed: 06/29/2009 1600 Final Weight/Volume: 100 mL
Date Prepared: 06/29/2009 1140

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.58		0.029	0.037

Client: Haley & Aldrich, Inc. Job Number: 460-3167-1

Client Sample ID: **B-114-S1**

Lab Sample ID: 460-3167-2 Date Sampled: 06/24/2009 0730
Client Matrix: Solid % Moisture: 18.8 Date Received: 06/25/2009 1755

6010B Metals (ICP)

Method: 6010B Analysis Batch: 460-10570 Instrument ID: ICP3
Preparation: 3050B Prep Batch: 460-10503 Lab File ID: 10503N1
Dilution: 4.0 Initial Weight/Volume: 1.00 g
Date Analyzed: 07/01/2009 0147 Final Weight/Volume: 50 mL
Date Prepared: 06/30/2009 1713

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		3240		18.1	49.3
Antimony		2.5	U	1.1	2.5
Arsenic		5.4		0.86	1.2
Barium		56.7		1.5	49.3
Beryllium		0.33	J	0.22	0.49
Cadmium		1.2	U	0.19	1.2
Calcium		3140		32.4	1230
Chromium		8.6		1.5	2.5
Cobalt		3.9	J	1.5	12.3
Copper		29.6		1.0	6.2
Iron		7070		13.1	37.0
Lead		430	B	0.62	1.2
Magnesium		1350		13.0	1230
Manganese		96.5		1.4	3.7
Nickel		10.3		0.66	9.9
Potassium		329	J	55.6	1230
Selenium		1.8	J	1.2	2.5
Silver		1.7	J	0.19	2.5
Sodium		561	J B	75.7	1230
Thallium		2.5	U	1.2	2.5
Vanadium		12.7		0.64	12.3
Zinc		85.3		1.2	7.4

7471A Mercury (CVAA)

Method: 7471A Analysis Batch: 460-10391 Instrument ID: LEEMAN3
Preparation: 7471A Prep Batch: 460-10366 Lab File ID: N/A
Dilution: 1.0 Initial Weight/Volume: 0.61 g
Date Analyzed: 06/29/2009 1519 Final Weight/Volume: 100 mL
Date Prepared: 06/29/2009 1140

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		1.5		0.032	0.040

Client: Haley & Aldrich, Inc. Job Number: 460-3167-1

Client Sample ID: **B-112-A1**

Lab Sample ID: 460-3167-3 Date Sampled: 06/24/2009 1445
Client Matrix: Solid % Moisture: 8.8 Date Received: 06/25/2009 1755

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 460-10570		Instrument ID:	ICP3
Preparation:	3050B	Prep Batch: 460-10503		Lab File ID:	10503N1
Dilution:	4.0			Initial Weight/Volume:	1.06 g
Date Analyzed:	07/01/2009 0153			Final Weight/Volume:	50 mL
Date Prepared:	06/30/2009 1713				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		3640		15.2	41.4
Antimony		2.1	U	0.91	2.1
Arsenic		2.2		0.72	1.0
Barium		45.2		1.2	41.4
Beryllium		0.20	J	0.18	0.41
Cadmium		1.0	U	0.16	1.0
Calcium		28500		27.2	1030
Chromium		10.9		1.2	2.1
Cobalt		3.8	J	1.3	10.3
Copper		46.9		0.84	5.2
Iron		8950		11.0	31.0
Lead		222	B	0.52	1.0
Magnesium		9060		10.9	1030
Manganese		167		1.2	3.1
Nickel		14.9		0.55	8.3
Potassium		597	J	46.7	1030
Selenium		2.1	U	0.97	2.1
Silver		0.94	J	0.16	2.1
Sodium		763	J B	63.5	1030
Thallium		2.1	U	1.0	2.1
Vanadium		12.9		0.54	10.3
Zinc		110		1.0	6.2

7471A Mercury (CVAA)

Method:	7471A	Analysis Batch: 460-10391		Instrument ID:	LEEMAN3
Preparation:	7471A	Prep Batch: 460-10366		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	0.60 g
Date Analyzed:	06/29/2009 1520			Final Weight/Volume:	100 mL
Date Prepared:	06/29/2009 1140				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.21		0.029	0.036

Client: Haley & Aldrich, Inc. Job Number: 460-3167-1

Client Sample ID: **B-112-S1**

Lab Sample ID: 460-3167-4 Date Sampled: 06/25/2009 0745
Client Matrix: Solid % Moisture: 16.8 Date Received: 06/25/2009 1755

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 460-10570		Instrument ID:	ICP3
Preparation:	3050B	Prep Batch: 460-10503		Lab File ID:	10503N1
Dilution:	4.0			Initial Weight/Volume:	1.01 g
Date Analyzed:	07/01/2009 0200			Final Weight/Volume:	50 mL
Date Prepared:	06/30/2009 1713				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		6010		17.4	47.6
Antimony		2.4	U	1.0	2.4
Arsenic		4.3		0.83	1.2
Barium		91.4		1.4	47.6
Beryllium		0.45	J	0.21	0.48
Cadmium		1.2	U	0.19	1.2
Calcium		8440		31.3	1190
Chromium		14.3		1.4	2.4
Cobalt		5.4	J	1.5	11.9
Copper		42.0		0.97	5.9
Iron		13300		12.6	35.7
Lead		209	B	0.59	1.2
Magnesium		2600		12.6	1190
Manganese		176		1.3	3.6
Nickel		13.6		0.64	9.5
Potassium		600	J	53.7	1190
Selenium		2.3	J	1.1	2.4
Silver		0.81	J	0.18	2.4
Sodium		588	J B	73.1	1190
Thallium		2.4	U	1.2	2.4
Vanadium		19.6		0.62	11.9
Zinc		115		1.2	7.1

7471A Mercury (CVAA)

Method:	7471A	Analysis Batch: 460-10391		Instrument ID:	LEEMAN3
Preparation:	7471A	Prep Batch: 460-10366		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	0.63 g
Date Analyzed:	06/29/2009 1522			Final Weight/Volume:	100 mL
Date Prepared:	06/29/2009 1140				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.65		0.030	0.038

Client: Haley & Aldrich, Inc. Job Number: 460-3167-1

Client Sample ID: **B-126-A1**

Lab Sample ID: 460-3167-6 Date Sampled: 06/25/2009 0930
Client Matrix: Solid % Moisture: 14.8 Date Received: 06/25/2009 1755

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 460-10570		Instrument ID:	ICP3
Preparation:	3050B	Prep Batch: 460-10503		Lab File ID:	10503N1
Dilution:	4.0			Initial Weight/Volume:	1.04 g
Date Analyzed:	07/01/2009 0207			Final Weight/Volume:	50 mL
Date Prepared:	06/30/2009 1713				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		4250		16.5	45.2
Antimony		2.3	U	0.99	2.3
Arsenic		4.8		0.79	1.1
Barium		106		1.4	45.2
Beryllium		0.50		0.20	0.45
Cadmium		1.1	U	0.18	1.1
Calcium		8750		29.7	1130
Chromium		11.9		1.3	2.3
Cobalt		5.1	J	1.4	11.3
Copper		54.5		0.92	5.6
Iron		9150		12.0	33.9
Lead		163	B	0.56	1.1
Magnesium		1890		11.9	1130
Manganese		161		1.3	3.4
Nickel		12.8		0.61	9.0
Potassium		683	J	51.0	1130
Selenium		2.3	U	1.1	2.3
Silver		0.50	J	0.17	2.3
Sodium		810	J B	69.3	1130
Thallium		2.3	U	1.1	2.3
Vanadium		17.5		0.59	11.3
Zinc		133		1.1	6.8

7471A Mercury (CVAA)

Method:	7471A	Analysis Batch: 460-10391		Instrument ID:	LEEMAN3
Preparation:	7471A	Prep Batch: 460-10366		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	0.65 g
Date Analyzed:	06/29/2009 1525			Final Weight/Volume:	100 mL
Date Prepared:	06/29/2009 1140				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.46		0.028	0.036

Client: Haley & Aldrich, Inc. Job Number: 460-3167-1

Client Sample ID: **B-126-S1**

Lab Sample ID: 460-3167-7 Date Sampled: 06/25/2009 1030
Client Matrix: Solid % Moisture: 15.9 Date Received: 06/25/2009 1755

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 460-10784		Instrument ID:	ICP2
Preparation:	3050B	Prep Batch: 460-10514		Lab File ID:	10445V1
Dilution:	4.0			Initial Weight/Volume:	1.05 g
Date Analyzed:	07/03/2009 0308			Final Weight/Volume:	50 mL
Date Prepared:	06/30/2009 1811				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		6510		16.6	45.3
Antimony		2.3	U	1.0	2.3
Arsenic		5.9		0.79	1.1
Barium		105		1.4	45.3
Beryllium		0.40	J	0.20	0.45
Cadmium		1.1	U	0.18	1.1
Calcium		12500		29.8	1130
Chromium		15.4		1.3	2.3
Cobalt		6.1	J	1.4	11.3
Copper		41.7		0.92	5.7
Iron		16600		12.0	34.0
Lead		168		0.57	1.1
Magnesium		2630		12.0	1130
Manganese		184		1.3	3.4
Nickel		18.8		0.61	9.1
Potassium		852	J	51.1	1130
Selenium		2.3	U	1.1	2.3
Silver		2.3	U	0.17	2.3
Sodium		495	J	69.5	1130
Thallium		2.3	U	1.1	2.3
Vanadium		17.7		0.59	11.3
Zinc		70.5		1.1	6.8

7471A Mercury (CVAA)

Method:	7471A	Analysis Batch: 460-10391		Instrument ID:	LEEMAN3
Preparation:	7471A	Prep Batch: 460-10366		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	0.63 g
Date Analyzed:	06/29/2009 1527			Final Weight/Volume:	100 mL
Date Prepared:	06/29/2009 1140				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.49		0.029	0.037

General Chemistry

Client Sample ID: **B-114M-S1**

Lab Sample ID: 460-3167-1 Date Sampled: 06/24/2009 1430
Client Matrix: Solid Date Received: 06/25/2009 1755

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	17.7		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-10150	Date Analyzed: 06/25/2009 2321						DryWt Corrected: N
Percent Solids	82.3		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-10150	Date Analyzed: 06/25/2009 2321						DryWt Corrected: N

General Chemistry

Client Sample ID: **B-114-S1**

Lab Sample ID: 460-3167-2 Date Sampled: 06/24/2009 0730
Client Matrix: Solid Date Received: 06/25/2009 1755

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	18.8		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-10150	Date Analyzed: 06/25/2009 2321						DryWt Corrected: N
Percent Solids	81.2		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-10150	Date Analyzed: 06/25/2009 2321						DryWt Corrected: N

General Chemistry

Client Sample ID: **B-112-A1**

Lab Sample ID: 460-3167-3 Date Sampled: 06/24/2009 1445
Client Matrix: Solid Date Received: 06/25/2009 1755

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	8.8		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-10150	Date Analyzed: 06/25/2009 2321						DryWt Corrected: N
Percent Solids	91.2		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-10150	Date Analyzed: 06/25/2009 2321						DryWt Corrected: N

General Chemistry

Client Sample ID: **B-112-S1**

Lab Sample ID: 460-3167-4 Date Sampled: 06/25/2009 0745
Client Matrix: Solid Date Received: 06/25/2009 1755

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	16.8		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-10150	Date Analyzed: 06/25/2009 2321						DryWt Corrected: N
Percent Solids	83.2		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-10150	Date Analyzed: 06/25/2009 2321						DryWt Corrected: N

General Chemistry

Client Sample ID: **B-126-A1**

Lab Sample ID: 460-3167-6 Date Sampled: 06/25/2009 0930
Client Matrix: Solid Date Received: 06/25/2009 1755

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	14.8		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-10150	Date Analyzed: 06/25/2009 2321						DryWt Corrected: N
Percent Solids	85.2		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-10150	Date Analyzed: 06/25/2009 2321						DryWt Corrected: N

General Chemistry

Client Sample ID: **B-126-S1**

Lab Sample ID: 460-3167-7 Date Sampled: 06/25/2009 1030
Client Matrix: Solid Date Received: 06/25/2009 1755

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	15.9		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-10150	Date Analyzed: 06/25/2009 2322						DryWt Corrected: N
Percent Solids	84.1		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-10150	Date Analyzed: 06/25/2009 2322						DryWt Corrected: N

p. CIR 90

777 New Durham Road
Edison, New Jersey 08817
Phone: (732) 549-3900 Fax: (732) 549-3679

07/22/2009

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

CHAIN OF CUSTODY / ANALYSIS REQUEST

Page 1 of ___

Name (for report and invoice)	Samplers Name (Printed)	Site/Project Identification
AMY MURPHY	B. ISSAC	14th ST. VIADUCT, HOBOKEN, NJ
Company: HALEY & ALDRICH	P. O. #: 36059-001	State (Location of site): NJ: [X] NY: [ ] Other:
		Regulatory Program:
Address: 299 Cherry Hill Rd. Suite 105	Analysis Turnaround Time: Standard [X]	LAB USE ONLY Project No:
City: Parsippany State: NJ	Rush Chrages Authorized For: 2 Week [ ] 1 Week [ ] Other [ ]	Job No: 3297
Phone: 973-658-3937 Fax: 973-658-3987		

ANALYSIS REQUESTED (ENTER "X" BELOW TO INDICATE REQUEST)

Sample Identification	Date	Time	Matrix	No. of. Cont.	8270C TCL-BN+15	8082 PCBs	8081A TCL Pesticides	6010B TAL Metals	NJ.DQA-QAM-025	8260B TAL VOA+10						Sample Numbers
B-109:S1	6/29/09	2:30P	S	5	X	X	X	X	X	X						1
B-109:S6	6/29/09	3:10P	S	5	X	X	X	X	X	X						2
B-106:S1	6/30/09	7:30A	S	5	X	X	X	X	X	X						3
B-106:S3	6/30/09	7:45A	S	5	X	X	X	X	X	X						4
B-111:S1-S2	6/30/09	10:25A	S	5	X	X	X	X	X	X						5
Preservation Used: 1 = ICE, 2 = HCl, 3 = H_2SO_4, 4 = HNO_3, 5 = NaOH — Soil:					1	1	1	1	1	1						
6 = Other _____, 7 = Other _____ — Water:																

Special Instructions _____ Water Metals Filtered (Yes/No)? _____

Relinquished by	Company	Date / Time	Received by	Company
Bobby Issac	Haley & Aldrich	6/30/09 3:15	1) [signature]	[signature]
2) [signature]	[signature]	6/30/09 16:45	2) [signature]	Test America
3)		/	3)	
4)		/	4)	

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132).

TAL - 0016 (0408)

Massachusetts (M-NJ312), North Carolina (No. 578)

Client: Haley & Aldrich, Inc. Job Number: 460-3297-1

Client Sample ID: **B-109:S1**

Lab Sample ID: 460-3297-1 Date Sampled: 06/29/2009 1430
Client Matrix: Solid % Moisture: 17.9 Date Received: 06/30/2009 1645

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 460-10932		Instrument ID:	VOAMS12
Preparation:	5035	Prep Batch: 460-10546		Lab File ID:	o28411.d
Dilution:	1.0			Initial Weight/Volume:	5.84 g
Date Analyzed:	07/07/2009 1242			Final Weight/Volume:	5 mL
Date Prepared:	07/01/2009 0604				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Chloromethane		1.0	U	0.66	1.0
Bromomethane		1.0	U	0.43	1.0
Vinyl chloride		1.0	U	0.24	1.0
Chloroethane		1.0	U	0.42	1.0
Methylene Chloride		1.0	U	0.49	1.0
Acetone		10	U	3.9	10
Carbon disulfide		1.0	U	0.48	1.0
1,1-Dichloroethene		1.0	U	0.38	1.0
1,1-Dichloroethane		1.0	U	0.26	1.0
trans-1,2-Dichloroethene		1.0	U	0.30	1.0
cis-1,2-Dichloroethene		1.0	U	0.25	1.0
Chloroform		0.63	J	0.25	1.0
1,2-Dichloroethane		1.0	U	0.41	1.0
2-Butanone		10	U	0.59	10
1,1,1-Trichloroethane		1.0	U	0.19	1.0
Carbon tetrachloride		1.0	U	0.11	1.0
Bromodichloromethane		1.0	U	0.32	1.0
1,2-Dichloropropane		1.0	U	0.33	1.0
cis-1,3-Dichloropropene		1.0	U	0.21	1.0
Trichloroethene		1.0	U	0.38	1.0
Dibromochloromethane		1.0	U	0.58	1.0
1,1,2-Trichloroethane		1.0	U	0.62	1.0
Benzene		1.0	U	0.77	1.0
trans-1,3-Dichloropropene		1.0	U	0.23	1.0
Bromoform		1.0	U	0.73	1.0
4-Methyl-2-pentanone		10	U	0.75	10
2-Hexanone		10	U	1.7	10
Tetrachloroethene		1.0	U	0.34	1.0
1,1,2,2-Tetrachloroethane		1.0	U	0.79	1.0
Toluene		1.0	U	0.31	1.0
Chlorobenzene		1.0	U	0.50	1.0
Ethylbenzene		1.0	U	0.20	1.0
Styrene		1.0	U	0.36	1.0
Xylenes, Total		3.1	U	0.82	3.1

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	106		53 - 128
Bromofluorobenzene	102		73 - 143
Toluene-d8 (Surr)	96		59 - 139

Client: Haley & Aldrich, Inc. Job Number: 460-3297-1

Client Sample ID: **B-109:S1**

Lab Sample ID: 460-3297-1 Date Sampled: 06/29/2009 1430
Client Matrix: Solid % Moisture: 17.9 Date Received: 06/30/2009 1645

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 460-10932		Instrument ID:	VOAMS12
Preparation:	5035	Prep Batch: 460-10546		Lab File ID:	o28411.d
Dilution:	1.0			Initial Weight/Volume:	5.84 g
Date Analyzed:	07/07/2009 1242			Final Weight/Volume:	5 mL
Date Prepared:	07/01/2009 0604				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Tentatively Identified Compound		None	

Client: Haley & Aldrich, Inc. Job Number: 460-3297-1

Client Sample ID: **B-109:S6**

Lab Sample ID: 460-3297-2 Date Sampled: 06/29/2009 1510
Client Matrix: Solid % Moisture: 33.3 Date Received: 06/30/2009 1645

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 460-10932		Instrument ID:	VOAMS12
Preparation:	5035	Prep Batch: 460-10546		Lab File ID:	o28412.d
Dilution:	1.0			Initial Weight/Volume:	4.71 g
Date Analyzed:	07/07/2009 1308			Final Weight/Volume:	5 mL
Date Prepared:	07/01/2009 0608				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Chloromethane		1.6	U	1.0	1.6
Bromomethane		1.6	U	0.65	1.6
Vinyl chloride		1.6	U	0.37	1.6
Chloroethane		1.6	U	0.64	1.6
Methylene Chloride		1.6	U	0.75	1.6
Acetone		100	B	5.9	16
Carbon disulfide		5.9		0.74	1.6
1,1-Dichloroethene		1.6	U	0.59	1.6
1,1-Dichloroethane		1.6	U	0.40	1.6
trans-1,2-Dichloroethene		1.6	U	0.45	1.6
cis-1,2-Dichloroethene		1.6	U	0.38	1.6
Chloroform		2.0		0.38	1.6
1,2-Dichloroethane		1.6	U	0.62	1.6
2-Butanone		7.7	J	0.91	16
1,1,1-Trichloroethane		1.6	U	0.30	1.6
Carbon tetrachloride		1.6	U	0.16	1.6
Bromodichloromethane		1.6	U	0.48	1.6
1,2-Dichloropropane		1.6	U	0.51	1.6
cis-1,3-Dichloropropene		1.6	U	0.32	1.6
Trichloroethene		1.6	U	0.58	1.6
Dibromochloromethane		1.6	U	0.89	1.6
1,1,2-Trichloroethane		1.6	U	0.94	1.6
Benzene		1.6	U	1.2	1.6
trans-1,3-Dichloropropene		1.6	U	0.35	1.6
Bromoform		1.6	U	1.1	1.6
4-Methyl-2-pentanone		16	U	1.1	16
2-Hexanone		16	U	2.7	16
Tetrachloroethene		1.6	U	0.53	1.6
1,1,2,2-Tetrachloroethane		1.6	U	1.2	1.6
Toluene		1.8		0.48	1.6
Chlorobenzene		1.6	U	0.77	1.6
Ethylbenzene		1.6	U	0.30	1.6
Styrene		1.1	J	0.55	1.6
Xylenes, Total		1.7	J	1.3	4.8

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	111		53 - 128
Bromofluorobenzene	84		73 - 143
Toluene-d8 (Surr)	83		59 - 139

Client: Haley & Aldrich, Inc. Job Number: 460-3297-1

Client Sample ID: **B-109:S6**

Lab Sample ID: 460-3297-2 Date Sampled: 06/29/2009 1510
Client Matrix: Solid % Moisture: 33.3 Date Received: 06/30/2009 1645

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 460-10932		Instrument ID:	VOAMS12
Preparation:	5035	Prep Batch: 460-10546		Lab File ID:	o28412.d
Dilution:	1.0			Initial Weight/Volume:	4.71 g
Date Analyzed:	07/07/2009 1308			Final Weight/Volume:	5 mL
Date Prepared:	07/01/2009 0608				

Tentatively Identified Compounds **Number TIC's Found:** **10**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	13.03	180	T J
	Unknown	13.14	140	T J
	Unknown	13.70	130	T J
	Unknown	14.03	140	T J
	Unknown	14.12	140	T J
	Unknown	14.36	200	T J
	Unknown	15.27	380	T J
	Unknown	15.69	120	T J
	Dimethylnaphthalene isomer	15.75	210	T J
	Unknown	15.99	160	T J

Client: Haley & Aldrich, Inc. Job Number: 460-3297-1

Client Sample ID: **B-106:S1**

Lab Sample ID: 460-3297-3 Date Sampled: 06/30/2009 0730
Client Matrix: Solid % Moisture: 15.7 Date Received: 06/30/2009 1645

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 460-10932		Instrument ID:	VOAMS12
Preparation:	5035	Prep Batch: 460-10546		Lab File ID:	o28413.d
Dilution:	1.0			Initial Weight/Volume:	5.76 g
Date Analyzed:	07/07/2009 1334			Final Weight/Volume:	5 mL
Date Prepared:	07/01/2009 0612				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Chloromethane		1.0	U	0.65	1.0
Bromomethane		1.0	U	0.42	1.0
Vinyl chloride		1.0	U	0.24	1.0
Chloroethane		1.0	U	0.41	1.0
Methylene Chloride		1.0	U	0.49	1.0
Acetone		200	B	3.8	10
Carbon disulfide		2.6		0.48	1.0
1,1-Dichloroethene		1.0	U	0.38	1.0
1,1-Dichloroethane		1.0	U	0.26	1.0
trans-1,2-Dichloroethene		1.0	U	0.29	1.0
cis-1,2-Dichloroethene		0.76	J	0.24	1.0
Chloroform		1.0	U	0.24	1.0
1,2-Dichloroethane		1.0	U	0.40	1.0
2-Butanone		21		0.59	10
1,1,1-Trichloroethane		1.0	U	0.19	1.0
Carbon tetrachloride		1.0	U	0.10	1.0
Bromodichloromethane		1.0	U	0.31	1.0
1,2-Dichloropropane		1.0	U	0.33	1.0
cis-1,3-Dichloropropene		1.0	U	0.21	1.0
Trichloroethene		1.0	U	0.37	1.0
Dibromochloromethane		1.0	U	0.58	1.0
1,1,2-Trichloroethane		1.0	U	0.61	1.0
Benzene		1.3		0.76	1.0
trans-1,3-Dichloropropene		1.0	U	0.23	1.0
Bromoform		1.0	U	0.72	1.0
4-Methyl-2-pentanone		10	U	0.74	10
2-Hexanone		10	U	1.7	10
Tetrachloroethene		1.0	U	0.34	1.0
1,1,2,2-Tetrachloroethane		1.0	U	0.78	1.0
Toluene		1.0	U	0.31	1.0
Chlorobenzene		1.0	U	0.50	1.0
Ethylbenzene		0.89	J	0.20	1.0
Styrene		1.0	U	0.36	1.0
Xylenes, Total		3.2		0.81	3.1

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	117		53 - 128
Bromofluorobenzene	115		73 - 143
Toluene-d8 (Surr)	99		59 - 139

Client: Haley & Aldrich, Inc. Job Number: 460-3297-1

Client Sample ID: **B-106:S1**

Lab Sample ID: 460-3297-3 Date Sampled: 06/30/2009 0730
Client Matrix: Solid % Moisture: 15.7 Date Received: 06/30/2009 1645

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 460-10932		Instrument ID:	VOAMS12
Preparation:	5035	Prep Batch: 460-10546		Lab File ID:	o28413.d
Dilution:	1.0			Initial Weight/Volume:	5.76 g
Date Analyzed:	07/07/2009 1334			Final Weight/Volume:	5 mL
Date Prepared:	07/01/2009 0612				

Tentatively Identified Compounds **Number TIC's Found:** **10**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	13.69	35	T J
	Unknown	14.02	27	T J
	Unknown	15.15	26	T J
	Unknown	15.26	47	T J
	Unknown	15.69	87	T J
	Dimethylnaphthalene isomer	15.75	40	T J
	Unknown	15.93	32	T J
	Unknown	15.99	57	T J
	Unknown	16.21	26	T J
	Trimethylnaphthalene isomer	16.56	33	T J

Client: Haley & Aldrich, Inc. Job Number: 460-3297-1

Client Sample ID: **B-106:S3**

Lab Sample ID: 460-3297-4 Date Sampled: 06/30/2009 0745
Client Matrix: Solid % Moisture: 20.7 Date Received: 06/30/2009 1645

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 460-10932		Instrument ID:	VOAMS12
Preparation:	5035	Prep Batch: 460-10546		Lab File ID:	o28414.d
Dilution:	1.0			Initial Weight/Volume:	6.41 g
Date Analyzed:	07/07/2009 1400			Final Weight/Volume:	5 mL
Date Prepared:	07/01/2009 0616				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Chloromethane		0.98	U	0.62	0.98
Bromomethane		0.98	U	0.40	0.98
Vinyl chloride		0.98	U	0.23	0.98
Chloroethane		0.98	U	0.39	0.98
Methylene Chloride		0.98	U	0.46	0.98
Acetone		7.5	J B	3.6	9.8
Carbon disulfide		3.0		0.46	0.98
1,1-Dichloroethene		0.98	U	0.36	0.98
1,1-Dichloroethane		0.98	U	0.25	0.98
trans-1,2-Dichloroethene		0.98	U	0.28	0.98
cis-1,2-Dichloroethene		0.98	U	0.23	0.98
Chloroform		0.98	U	0.23	0.98
1,2-Dichloroethane		0.98	U	0.38	0.98
2-Butanone		9.8	U	0.56	9.8
1,1,1-Trichloroethane		0.98	U	0.18	0.98
Carbon tetrachloride		0.98	U	0.099	0.98
Bromodichloromethane		0.98	U	0.30	0.98
1,2-Dichloropropane		0.98	U	0.31	0.98
cis-1,3-Dichloropropene		0.98	U	0.20	0.98
Trichloroethene		0.98	U	0.36	0.98
Dibromochloromethane		0.98	U	0.55	0.98
1,1,2-Trichloroethane		0.98	U	0.58	0.98
Benzene		1.4		0.73	0.98
trans-1,3-Dichloropropene		0.98	U	0.22	0.98
Bromoform		0.98	U	0.69	0.98
4-Methyl-2-pentanone		9.8	U	0.70	9.8
2-Hexanone		9.8	U	1.6	9.8
Tetrachloroethene		0.98	U	0.32	0.98
1,1,2,2-Tetrachloroethane		0.98	U	0.75	0.98
Toluene		0.98	U	0.29	0.98
Chlorobenzene		0.98	U	0.47	0.98
Ethylbenzene		0.98	U	0.19	0.98
Styrene		0.98	U	0.34	0.98
Xylenes, Total		3.0	U	0.77	3.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	108		53 - 128
Bromofluorobenzene	105		73 - 143
Toluene-d8 (Surr)	97		59 - 139

Client: Haley & Aldrich, Inc. Job Number: 460-3297-1

Client Sample ID: **B-106:S3**

Lab Sample ID: 460-3297-4 Date Sampled: 06/30/2009 0745
Client Matrix: Solid % Moisture: 20.7 Date Received: 06/30/2009 1645

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 460-10932		Instrument ID:	VOAMS12
Preparation:	5035	Prep Batch: 460-10546		Lab File ID:	o28414.d
Dilution:	1.0			Initial Weight/Volume:	6.41 g
Date Analyzed:	07/07/2009 1400			Final Weight/Volume:	5 mL
Date Prepared:	07/01/2009 0616				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Tentatively Identified Compound		None	

Client: Haley & Aldrich, Inc. Job Number: 460-3297-1

Client Sample ID: **B-111:S1-S2**

Lab Sample ID: 460-3297-5 Date Sampled: 06/30/2009 1028
Client Matrix: Solid % Moisture: 15.9 Date Received: 06/30/2009 1645

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 460-10932		Instrument ID:	VOAMS12
Preparation:	5035	Prep Batch: 460-10546		Lab File ID:	o28415.d
Dilution:	1.0			Initial Weight/Volume:	4.89 g
Date Analyzed:	07/07/2009 1426			Final Weight/Volume:	5 mL
Date Prepared:	07/01/2009 0620				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Chloromethane		1.2	U	0.77	1.2
Bromomethane		1.2	U	0.50	1.2
Vinyl chloride		1.2	U	0.28	1.2
Chloroethane		1.2	U	0.48	1.2
Methylene Chloride		1.2	U	0.57	1.2
Acetone		30	B	4.5	12
Carbon disulfide		1.2	U	0.57	1.2
1,1-Dichloroethene		1.2	U	0.45	1.2
1,1-Dichloroethane		1.2	U	0.31	1.2
trans-1,2-Dichloroethene		1.2	U	0.34	1.2
cis-1,2-Dichloroethene		1.2	U	0.29	1.2
Chloroform		0.93	J	0.29	1.2
1,2-Dichloroethane		1.2	U	0.47	1.2
2-Butanone		12	U	0.69	12
1,1,1-Trichloroethane		1.2	U	0.23	1.2
Carbon tetrachloride		1.2	U	0.12	1.2
Bromodichloromethane		1.2	U	0.37	1.2
1,2-Dichloropropane		1.2	U	0.39	1.2
cis-1,3-Dichloropropene		1.2	U	0.24	1.2
Trichloroethene		1.2	U	0.44	1.2
Dibromochloromethane		1.2	U	0.68	1.2
1,1,2-Trichloroethane		1.2	U	0.72	1.2
Benzene		1.2	U	0.90	1.2
trans-1,3-Dichloropropene		1.2	U	0.27	1.2
Bromoform		1.2	U	0.85	1.2
4-Methyl-2-pentanone		12	U	0.87	12
2-Hexanone		12	U	2.0	12
Tetrachloroethene		1.2	U	0.40	1.2
1,1,2,2-Tetrachloroethane		1.2	U	0.92	1.2
Toluene		1.2	U	0.36	1.2
Chlorobenzene		1.2	U	0.59	1.2
Ethylbenzene		1.2	U	0.23	1.2
Styrene		1.2	U	0.42	1.2
Xylenes, Total		3.6	U	0.96	3.6

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	110		53 - 128
Bromofluorobenzene	104		73 - 143
Toluene-d8 (Surr)	98		59 - 139

Client: Haley & Aldrich, Inc. Job Number: 460-3297-1

Client Sample ID: **B-111:S1-S2**

Lab Sample ID: 460-3297-5 Date Sampled: 06/30/2009 1028
Client Matrix: Solid % Moisture: 15.9 Date Received: 06/30/2009 1645

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 460-10932		Instrument ID:	VOAMS12
Preparation:	5035	Prep Batch: 460-10546		Lab File ID:	o28415.d
Dilution:	1.0			Initial Weight/Volume:	4.89 g
Date Analyzed:	07/07/2009 1426			Final Weight/Volume:	5 mL
Date Prepared:	07/01/2009 0620				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Tentatively Identified Compound		None	

Client: Haley & Aldrich, Inc. Job Number: 460-3297-1

Client Sample ID: **B-109:S1**

Lab Sample ID: 460-3297-1 Date Sampled: 06/29/2009 1430
Client Matrix: Solid % Moisture: 17.9 Date Received: 06/30/2009 1645

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-10850		Instrument ID:	BNAMS6
Preparation:	3541	Prep Batch: 460-10628		Lab File ID:	m43980.d
Dilution:	1.0			Initial Weight/Volume:	15.01 g
Date Analyzed:	07/06/2009 1548			Final Weight/Volume:	1 mL
Date Prepared:	07/01/2009 1943			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Bis(2-chloroethyl)ether		40	U	8.4	40
1,3-Dichlorobenzene		400	U	55	400
1,4-Dichlorobenzene		400	U	60	400
1,2-Dichlorobenzene		400	U	64	400
N-Nitrosodi-n-propylamine		40	U	5.3	40
Hexachloroethane		40	U	6.8	40
Nitrobenzene		40	U	9.0	40
Isophorone		400	U	46	400
Bis(2-chloroethoxy)methane		400	U	57	400
1,2,4-Trichlorobenzene		40	U	6.6	40
Naphthalene		150	J	59	400
4-Chloroaniline		400	U	51	400
Hexachlorobutadiene		82	U	16	82
2-Methylnaphthalene		88	J	59	400
Hexachlorocyclopentadiene		400	U	120	400
2-Chloronaphthalene		400	U	57	400
2-Nitroaniline		820	U	110	820
Dimethyl phthalate		400	U	54	400
Acenaphthylene		690		58	400
2,6-Dinitrotoluene		82	U	10	82
3-Nitroaniline		820	U	91	820
Acenaphthene		380	J	57	400
Dibenzofuran		400	U	60	400
2,4-Dinitrotoluene		82	U	12	82
Diethyl phthalate		400	U	54	400
4-Chlorophenyl phenyl ether		400	U	69	400
Fluorene		670		68	400
4-Nitroaniline		820	U	83	820
N-Nitrosodiphenylamine		400	U	66	400
4-Bromophenyl phenyl ether		400	U	72	400
Hexachlorobenzene		40	U	5.6	40
Phenanthrene		7700		70	400
Anthracene		2700		71	400
Carbazole		400	U	64	400
Di-n-butyl phthalate		400	U	62	400
Fluoranthene		5200		67	400
Pyrene		6500		70	400
Butyl benzyl phthalate		400	U	47	400
3,3'-Dichlorobenzidine		820	U	89	820
Benzo[a]anthracene		2100		7.4	40
Chrysene		2100		59	400
Bis(2-ethylhexyl) phthalate		400	U	53	400
Di-n-octyl phthalate		400	U	48	400
Benzo[b]fluoranthene		630		6.0	40
Benzo[k]fluoranthene		1600		5.6	40
Benzo[a]pyrene		2000		5.0	40

Client: Haley & Aldrich, Inc. Job Number: 460-3297-1

Client Sample ID: **B-109:S1**

Lab Sample ID: 460-3297-1 Date Sampled: 06/29/2009 1430
Client Matrix: Solid % Moisture: 17.9 Date Received: 06/30/2009 1645

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-10850		Instrument ID:	BNAMS6
Preparation:	3541	Prep Batch: 460-10628		Lab File ID:	m43980.d
Dilution:	1.0			Initial Weight/Volume:	15.01 g
Date Analyzed:	07/06/2009 1548			Final Weight/Volume:	1 mL
Date Prepared:	07/01/2009 1943			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Indeno[1,2,3-cd]pyrene		530		6.4	40
Dibenz(a,h)anthracene		40	U	4.8	40
Benzo[g,h,i]perylene		530		42	400
bis (2-chloroisopropyl) ether		400	U	53	400

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	82		36 - 93
Nitrobenzene-d5	78		31 - 97
Terphenyl-d14	49		40 - 129

Client: Haley & Aldrich, Inc. Job Number: 460-3297-1

Client Sample ID: **B-109:S1**

Lab Sample ID: 460-3297-1 Date Sampled: 06/29/2009 1430
Client Matrix: Solid % Moisture: 17.9 Date Received: 06/30/2009 1645

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-10850		Instrument ID:	BNAMS6
Preparation:	3541	Prep Batch: 460-10628		Lab File ID:	m43980.d
Dilution:	1.0			Initial Weight/Volume:	15.01 g
Date Analyzed:	07/06/2009 1548			Final Weight/Volume:	1 mL
Date Prepared:	07/01/2009 1943			Injection Volume:	1.0 uL

Tentatively Identified Compounds **Number TIC's Found:** **15**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Trimethylnaphthalene isomer	9.39	680	T J
	Methylfluorene isomer	10.09	820	T J
	Unknown	10.84	950	T J
	C15H12 PAH	10.99	1500	T J
	C15H12 PAH	11.03	1600	T J
	C15H12 PAH	11.06	760	T J
	C15H10 PAH	11.13	3600	T J
	C16H12 PAH	11.27	1100	T J
	C16H14 PAH	11.56	900	T J
	Unknown	11.61	910	T J
	C17H12 PAH	12.29	1300	T J
	C17H12 PAH	12.34	880	T J
	C17H12 PAH	12.50	660	T J
	C17H12 PAH	12.52	650	T J
	C20H12 PAH	14.98	1100	T J

Client: Haley & Aldrich, Inc. Job Number: 460-3297-1

Client Sample ID: **B-109:S6**

Lab Sample ID: 460-3297-2 Date Sampled: 06/29/2009 1510
Client Matrix: Solid % Moisture: 33.3 Date Received: 06/30/2009 1645

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-10850		Instrument ID:	BNAMS6
Preparation:	3541	Prep Batch: 460-10628		Lab File ID:	m43981.d
Dilution:	1.0			Initial Weight/Volume:	15.02 g
Date Analyzed:	07/06/2009 1613			Final Weight/Volume:	1 mL
Date Prepared:	07/01/2009 1943			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Bis(2-chloroethyl)ether		49	U	10	49
1,3-Dichlorobenzene		490	U	68	490
1,4-Dichlorobenzene		490	U	74	490
1,2-Dichlorobenzene		490	U	79	490
N-Nitrosodi-n-propylamine		49	U	6.5	49
Hexachloroethane		49	U	8.4	49
Nitrobenzene		49	U	11	49
Isophorone		490	U	57	490
Bis(2-chloroethoxy)methane		490	U	71	490
1,2,4-Trichlorobenzene		49	U	8.1	49
Naphthalene		490	U	73	490
4-Chloroaniline		490	U	62	490
Hexachlorobutadiene		100	U	20	100
2-Methylnaphthalene		490	U	72	490
Hexachlorocyclopentadiene		490	U	140	490
2-Chloronaphthalene		490	U	70	490
2-Nitroaniline		1000	U	140	1000
Dimethyl phthalate		490	U	67	490
Acenaphthylene		86	J	71	490
2,6-Dinitrotoluene		100	U	13	100
3-Nitroaniline		1000	U	110	1000
Acenaphthene		490	U	71	490
Dibenzofuran		490	U	74	490
2,4-Dinitrotoluene		100	U	14	100
Diethyl phthalate		490	U	67	490
4-Chlorophenyl phenyl ether		490	U	85	490
Fluorene		490	U	84	490
4-Nitroaniline		1000	U	100	1000
N-Nitrosodiphenylamine		490	U	81	490
4-Bromophenyl phenyl ether		490	U	88	490
Hexachlorobenzene		49	U	6.9	49
Phenanthrene		650		86	490
Anthracene		180	J	87	490
Carbazole		490	U	79	490
Di-n-butyl phthalate		490	U	76	490
Fluoranthene		550		82	490
Pyrene		680		86	490
Butyl benzyl phthalate		160	J	58	490
3,3'-Dichlorobenzidine		1000	U	110	1000
Benzo[a]anthracene		240		9.2	49
Chrysene		250	J	72	490
Bis(2-ethylhexyl) phthalate		350	J	66	490
Di-n-octyl phthalate		490	U	59	490
Benzo[b]fluoranthene		150		7.4	49
Benzo[k]fluoranthene		230		6.9	49
Benzo[a]pyrene		270		6.1	49

Client: Haley & Aldrich, Inc. Job Number: 460-3297-1

Client Sample ID: **B-109:S6**

Lab Sample ID: 460-3297-2 Date Sampled: 06/29/2009 1510
Client Matrix: Solid % Moisture: 33.3 Date Received: 06/30/2009 1645

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-10850		Instrument ID:	BNAMS6
Preparation:	3541	Prep Batch: 460-10628		Lab File ID:	m43981.d
Dilution:	1.0			Initial Weight/Volume:	15.02 g
Date Analyzed:	07/06/2009 1613			Final Weight/Volume:	1 mL
Date Prepared:	07/01/2009 1943			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Indeno[1,2,3-cd]pyrene		79		7.9	49
Dibenz(a,h)anthracene		49	U	6.0	49
Benzo[g,h,i]perylene		95	J	52	490
bis (2-chloroisopropyl) ether		490	U	65	490

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	79		36 - 93
Nitrobenzene-d5	74		31 - 97
Terphenyl-d14	55		40 - 129

Client: Haley & Aldrich, Inc. Job Number: 460-3297-1

Client Sample ID: **B-109:S6**

Lab Sample ID: 460-3297-2 Date Sampled: 06/29/2009 1510
Client Matrix: Solid % Moisture: 33.3 Date Received: 06/30/2009 1645

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-10850		Instrument ID:	BNAMS6
Preparation:	3541	Prep Batch: 460-10628		Lab File ID:	m43981.d
Dilution:	1.0			Initial Weight/Volume:	15.02 g
Date Analyzed:	07/06/2009 1613			Final Weight/Volume:	1 mL
Date Prepared:	07/01/2009 1943			Injection Volume:	1.0 uL

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Tentatively Identified Compound		None	

Client: Haley & Aldrich, Inc. Job Number: 460-3297-1

Client Sample ID: **B-106:S1**

Lab Sample ID: 460-3297-3 Date Sampled: 06/30/2009 0730
Client Matrix: Solid % Moisture: 15.7 Date Received: 06/30/2009 1645

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-11021		Instrument ID:	BNAMS10
Preparation:	3541	Prep Batch: 460-10760		Lab File ID:	p6664.d
Dilution:	1.0			Initial Weight/Volume:	15.01 g
Date Analyzed:	07/06/2009 1845			Final Weight/Volume:	1 mL
Date Prepared:	07/02/2009 1946			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Bis(2-chloroethyl)ether		39	U	8.2	39
1,3-Dichlorobenzene		390	U	54	390
1,4-Dichlorobenzene		390	U	59	390
1,2-Dichlorobenzene		390	U	63	390
N-Nitrosodi-n-propylamine		39	U	5.2	39
Hexachloroethane		39	U	6.6	39
Nitrobenzene		39	U	8.8	39
Isophorone		390	U	45	390
Bis(2-chloroethoxy)methane		390	U	56	390
1,2,4-Trichlorobenzene		39	U	6.4	39
Naphthalene		390	U	57	390
4-Chloroaniline		390	U	49	390
Hexachlorobutadiene		79	U	16	79
2-Methylnaphthalene		390	U	57	390
Hexachlorocyclopentadiene		390	U	110	390
2-Chloronaphthalene		390	U	55	390
2-Nitroaniline		790	U	110	790
Dimethyl phthalate		390	U	53	390
Acenaphthylene		390	U	56	390
2,6-Dinitrotoluene		79	U	10	79
3-Nitroaniline		790	U	89	790
Acenaphthene		390	U	56	390
Dibenzofuran		390	U	59	390
2,4-Dinitrotoluene		79	U	11	79
Diethyl phthalate		390	U	53	390
4-Chlorophenyl phenyl ether		390	U	67	390
Fluorene		390	U	66	390
4-Nitroaniline		790	U	81	790
N-Nitrosodiphenylamine		390	U	64	390
4-Bromophenyl phenyl ether		390	U	70	390
Hexachlorobenzene		39	U	5.4	39
Phenanthrene		110	J	68	390
Anthracene		390	U	69	390
Carbazole		390	U	62	390
Di-n-butyl phthalate		390	U	60	390
Fluoranthene		150	J	65	390
Pyrene		210	J	68	390
Butyl benzyl phthalate		390	U	46	390
3,3'-Dichlorobenzidine		790	U	87	790
Benzo[a]anthracene		97		7.3	39
Chrysene		110	J	57	390
Bis(2-ethylhexyl) phthalate		300	J	52	390
Di-n-octyl phthalate		390	U	47	390
Benzo[b]fluoranthene		170		5.8	39
Benzo[k]fluoranthene		42		5.5	39
Benzo[a]pyrene		130		4.8	39

Client: Haley & Aldrich, Inc. Job Number: 460-3297-1

Client Sample ID: **B-106:S1**

Lab Sample ID: 460-3297-3 Date Sampled: 06/30/2009 0730
Client Matrix: Solid % Moisture: 15.7 Date Received: 06/30/2009 1645

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-11021		Instrument ID:	BNAMS10
Preparation:	3541	Prep Batch: 460-10760		Lab File ID:	p6664.d
Dilution:	1.0			Initial Weight/Volume:	15.01 g
Date Analyzed:	07/06/2009 1845			Final Weight/Volume:	1 mL
Date Prepared:	07/02/2009 1946			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Indeno[1,2,3-cd]pyrene		120		6.3	39
Dibenz(a,h)anthracene		9.3	J	4.7	39
Benzo[g,h,i]perylene		120	J	41	390
bis (2-chloroisopropyl) ether		390	U	51	390

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	75		36 - 93
Nitrobenzene-d5	71		31 - 97
Terphenyl-d14	76		40 - 129

Client: Haley & Aldrich, Inc. Job Number: 460-3297-1

Client Sample ID: **B-106:S1**

Lab Sample ID: 460-3297-3 Date Sampled: 06/30/2009 0730
Client Matrix: Solid % Moisture: 15.7 Date Received: 06/30/2009 1645

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-11021		Instrument ID:	BNAMS10
Preparation:	3541	Prep Batch: 460-10760		Lab File ID:	p6664.d
Dilution:	1.0			Initial Weight/Volume:	15.01 g
Date Analyzed:	07/06/2009 1845			Final Weight/Volume:	1 mL
Date Prepared:	07/02/2009 1946			Injection Volume:	1.0 uL

Tentatively Identified Compounds **Number TIC's Found:** **2**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	14.02	360	T J
	Unknown	14.46	390	T J

Client: Haley & Aldrich, Inc. Job Number: 460-3297-1

Client Sample ID: **B-106:S3**

Lab Sample ID: 460-3297-4 Date Sampled: 06/30/2009 0745
Client Matrix: Solid % Moisture: 20.7 Date Received: 06/30/2009 1645

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-11021		Instrument ID:	BNAMS10
Preparation:	3541	Prep Batch: 460-10760		Lab File ID:	p6663.d
Dilution:	1.0			Initial Weight/Volume:	14.98 g
Date Analyzed:	07/06/2009 1819			Final Weight/Volume:	1 mL
Date Prepared:	07/02/2009 1946			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Bis(2-chloroethyl)ether		42	U	8.7	42
1,3-Dichlorobenzene		420	U	57	420
1,4-Dichlorobenzene		420	U	62	420
1,2-Dichlorobenzene		420	U	67	420
N-Nitrosodi-n-propylamine		42	U	5.5	42
Hexachloroethane		42	U	7.0	42
Nitrobenzene		42	U	9.3	42
Isophorone		420	U	48	420
Bis(2-chloroethoxy)methane		420	U	60	420
1,2,4-Trichlorobenzene		42	U	6.8	42
Naphthalene		420	U	61	420
4-Chloroaniline		420	U	53	420
Hexachlorobutadiene		85	U	17	85
2-Methylnaphthalene		420	U	61	420
Hexachlorocyclopentadiene		420	U	120	420
2-Chloronaphthalene		420	U	59	420
2-Nitroaniline		850	U	110	850
Dimethyl phthalate		420	U	56	420
Acenaphthylene		420	U	60	420
2,6-Dinitrotoluene		85	U	11	85
3-Nitroaniline		850	U	94	850
Acenaphthene		420	U	59	420
Dibenzofuran		420	U	63	420
2,4-Dinitrotoluene		85	U	12	85
Diethyl phthalate		420	U	56	420
4-Chlorophenyl phenyl ether		420	U	72	420
Fluorene		420	U	71	420
4-Nitroaniline		850	U	86	850
N-Nitrosodiphenylamine		420	U	68	420
4-Bromophenyl phenyl ether		420	U	74	420
Hexachlorobenzene		42	U	5.8	42
Phenanthrene		270	J	73	420
Anthracene		77	J	74	420
Carbazole		420	U	66	420
Di-n-butyl phthalate		420	U	64	420
Fluoranthene		380	J	69	420
Pyrene		450		72	420
Butyl benzyl phthalate		420	U	49	420
3,3'-Dichlorobenzidine		850	U	92	850
Benzo[a]anthracene		210		7.7	42
Chrysene		240	J	61	420
Bis(2-ethylhexyl) phthalate		88	J	55	420
Di-n-octyl phthalate		420	U	50	420
Benzo[b]fluoranthene		280		6.2	42
Benzo[k]fluoranthene		110		5.8	42
Benzo[a]pyrene		240		5.1	42

Client: Haley & Aldrich, Inc. Job Number: 460-3297-1

Client Sample ID: **B-106:S3**

Lab Sample ID: 460-3297-4 Date Sampled: 06/30/2009 0745
Client Matrix: Solid % Moisture: 20.7 Date Received: 06/30/2009 1645

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-11021		Instrument ID:	BNAMS10
Preparation:	3541	Prep Batch: 460-10760		Lab File ID:	p6663.d
Dilution:	1.0			Initial Weight/Volume:	14.98 g
Date Analyzed:	07/06/2009 1819			Final Weight/Volume:	1 mL
Date Prepared:	07/02/2009 1946			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Indeno[1,2,3-cd]pyrene		160		6.7	42
Dibenz(a,h)anthracene		36	J	5.0	42
Benzo[g,h,i]perylene		160	J	44	420
bis (2-chloroisopropyl) ether		420	U	55	420

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	73		36 - 93
Nitrobenzene-d5	72		31 - 97
Terphenyl-d14	76		40 - 129

Client: Haley & Aldrich, Inc. Job Number: 460-3297-1

Client Sample ID: **B-106:S3**

Lab Sample ID: 460-3297-4 Date Sampled: 06/30/2009 0745
Client Matrix: Solid % Moisture: 20.7 Date Received: 06/30/2009 1645

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-11021		Instrument ID:	BNAMS10
Preparation:	3541	Prep Batch: 460-10760		Lab File ID:	p6663.d
Dilution:	1.0			Initial Weight/Volume:	14.98 g
Date Analyzed:	07/06/2009 1819			Final Weight/Volume:	1 mL
Date Prepared:	07/02/2009 1946			Injection Volume:	1.0 uL

Tentatively Identified Compounds **Number TIC's Found:** **2**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
13798-23-7	Sulfur	7.34	460	T J N
10544-50-0	Cyclic octaatomic sulfur	9.79	910	T J N

Client: Haley & Aldrich, Inc. Job Number: 460-3297-1

Client Sample ID: **B-111:S1-S2**

Lab Sample ID: 460-3297-5 Date Sampled: 06/30/2009 1028
Client Matrix: Solid % Moisture: 15.9 Date Received: 06/30/2009 1645

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-11021		Instrument ID:	BNAMS10
Preparation:	3541	Prep Batch: 460-10760		Lab File ID:	p6662.d
Dilution:	1.0			Initial Weight/Volume:	15.00 g
Date Analyzed:	07/06/2009 1753			Final Weight/Volume:	1 mL
Date Prepared:	07/02/2009 1946			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Bis(2-chloroethyl)ether		39	U	8.2	39
1,3-Dichlorobenzene		390	U	54	390
1,4-Dichlorobenzene		390	U	59	390
1,2-Dichlorobenzene		390	U	63	390
N-Nitrosodi-n-propylamine		39	U	5.2	39
Hexachloroethane		39	U	6.6	39
Nitrobenzene		39	U	8.8	39
Isophorone		390	U	45	390
Bis(2-chloroethoxy)methane		390	U	56	390
1,2,4-Trichlorobenzene		39	U	6.4	39
Naphthalene		390	U	58	390
4-Chloroaniline		390	U	49	390
Hexachlorobutadiene		80	U	16	80
2-Methylnaphthalene		390	U	57	390
Hexachlorocyclopentadiene		390	U	110	390
2-Chloronaphthalene		390	U	56	390
2-Nitroaniline		800	U	110	800
Dimethyl phthalate		390	U	53	390
Acenaphthylene		390	U	56	390
2,6-Dinitrotoluene		80	U	10	80
3-Nitroaniline		800	U	89	800
Acenaphthene		390	U	56	390
Dibenzofuran		390	U	59	390
2,4-Dinitrotoluene		80	U	11	80
Diethyl phthalate		390	U	53	390
4-Chlorophenyl phenyl ether		390	U	68	390
Fluorene		390	U	67	390
4-Nitroaniline		800	U	81	800
N-Nitrosodiphenylamine		390	U	64	390
4-Bromophenyl phenyl ether		390	U	70	390
Hexachlorobenzene		39	U	5.5	39
Phenanthrene		390	U	69	390
Anthracene		390	U	69	390
Carbazole		390	U	63	390
Di-n-butyl phthalate		390	U	60	390
Fluoranthene		390	U	65	390
Pyrene		390	U	68	390
Butyl benzyl phthalate		390	U	46	390
3,3'-Dichlorobenzidine		800	U	87	800
Benzo[a]anthracene		37	J	7.3	39
Chrysene		390	U	57	390
Bis(2-ethylhexyl) phthalate		390	U	52	390
Di-n-octyl phthalate		390	U	47	390
Benzo[b]fluoranthene		31	J	5.8	39
Benzo[k]fluoranthene		15	J	5.5	39
Benzo[a]pyrene		28	J	4.8	39

Client: Haley & Aldrich, Inc. Job Number: 460-3297-1

Client Sample ID: **B-111:S1-S2**

Lab Sample ID: 460-3297-5 Date Sampled: 06/30/2009 1028
Client Matrix: Solid % Moisture: 15.9 Date Received: 06/30/2009 1645

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-11021		Instrument ID:	BNAMS10
Preparation:	3541	Prep Batch: 460-10760		Lab File ID:	p6662.d
Dilution:	1.0			Initial Weight/Volume:	15.00 g
Date Analyzed:	07/06/2009 1753			Final Weight/Volume:	1 mL
Date Prepared:	07/02/2009 1946			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Indeno[1,2,3-cd]pyrene		13	J	6.3	39
Dibenz(a,h)anthracene		39	U	4.7	39
Benzo[g,h,i]perylene		390	U	41	390
bis (2-chloroisopropyl) ether		390	U	52	390

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	57		36 - 93
Nitrobenzene-d5	52		31 - 97
Terphenyl-d14	75		40 - 129

Client: Haley & Aldrich, Inc. Job Number: 460-3297-1

Client Sample ID: **B-111:S1-S2**

Lab Sample ID: 460-3297-5 Date Sampled: 06/30/2009 1028
Client Matrix: Solid % Moisture: 15.9 Date Received: 06/30/2009 1645

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-11021		Instrument ID:	BNAMS10
Preparation:	3541	Prep Batch: 460-10760		Lab File ID:	p6662.d
Dilution:	1.0			Initial Weight/Volume:	15.00 g
Date Analyzed:	07/06/2009 1753			Final Weight/Volume:	1 mL
Date Prepared:	07/02/2009 1946			Injection Volume:	1.0 uL

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Tentatively Identified Compound		None	

Client: Haley & Aldrich, Inc. Job Number: 460-3297-1

Client Sample ID: **B-109:S1**

Lab Sample ID: 460-3297-1 Date Sampled: 06/29/2009 1430
Client Matrix: Solid % Moisture: 17.9 Date Received: 06/30/2009 1645

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 460-10652		Instrument ID:	PESTGC5
Preparation:	3541	Prep Batch: 460-10535		Initial Weight/Volume:	15.00 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	07/01/2009 1559			Injection Volume:	1.0 uL
Date Prepared:	07/01/2009 0652			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aldrin		8.2	U	1.8	8.2
alpha-BHC		8.2	U	1.5	8.2
beta-BHC		8.2	U	1.1	8.2
delta-BHC		8.2	U	1.2	8.2
gamma-BHC (Lindane)		8.2	U	0.95	8.2
Chlordane		82	U	18	82
4,4'-DDD		8.2	U	0.97	8.2
4,4'-DDE		8.2	U	1.6	8.2
4,4'-DDT		6.7	J	1.0	8.2
Dieldrin		2.7	J	1.6	8.2
Endosulfan I		8.2	U	1.7	8.2
Endosulfan II		1.6	J	1.2	8.2
Endosulfan sulfate		4.7	J	1.0	8.2
Endrin		1.4	J	1.1	8.2
Endrin aldehyde		8.2	U	2.0	8.2
Endrin ketone		7.1	J	1.2	8.2
Heptachlor		8.2	U	1.2	8.2
Heptachlor epoxide		8.2	U	1.6	8.2
Methoxychlor		8.2	U	0.91	8.2
Toxaphene		82	U	17	82

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	80		26 - 126
DCB Decachlorobiphenyl	82		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-3297-1

Client Sample ID: **B-109:S1**

Lab Sample ID: 460-3297-1 Date Sampled: 06/29/2009 1430
Client Matrix: Solid % Moisture: 17.9 Date Received: 06/30/2009 1645

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 460-10652	Instrument ID:	PESTGC5
Preparation:	3541	Prep Batch: 460-10535	Initial Weight/Volume:	15.00 g
Dilution:	1.0		Final Weight/Volume:	10 mL
Date Analyzed:	07/01/2009 1559		Injection Volume:	1.0 uL
Date Prepared:	07/01/2009 0652		Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	77		26 - 126
DCB Decachlorobiphenyl	247	X	48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-3297-1

Client Sample ID: **B-109:S6**

Lab Sample ID: 460-3297-2 Date Sampled: 06/29/2009 1510
Client Matrix: Solid % Moisture: 33.3 Date Received: 06/30/2009 1645

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 460-10652		Instrument ID:	PESTGC5
Preparation:	3541	Prep Batch: 460-10535		Initial Weight/Volume:	15.02 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	07/01/2009 1614			Injection Volume:	1.0 uL
Date Prepared:	07/01/2009 0652			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aldrin		10	U	2.2	10
alpha-BHC		10	U	1.9	10
beta-BHC		10	U	1.4	10
delta-BHC		10	U	1.5	10
gamma-BHC (Lindane)		10	U	1.2	10
Chlordane		100	U	22	100
4,4'-DDD		6.7	J	1.2	10
4,4'-DDE		5.5	J	1.9	10
4,4'-DDT		31		1.3	10
Dieldrin		8.6	J	1.9	10
Endosulfan I		10	U	2.1	10
Endosulfan II		10	U	1.5	10
Endosulfan sulfate		2.4	J	1.3	10
Endrin		2.5	J	1.4	10
Endrin aldehyde		7.7	J	2.5	10
Endrin ketone		10	U	1.5	10
Heptachlor		10	U	1.4	10
Heptachlor epoxide		10	U	2.0	10
Methoxychlor		13		1.1	10
Toxaphene		100	U	21	100

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	102		26 - 126
DCB Decachlorobiphenyl	102		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-3297-1

Client Sample ID: **B-109:S6**

Lab Sample ID: 460-3297-2 Date Sampled: 06/29/2009 1510
Client Matrix: Solid % Moisture: 33.3 Date Received: 06/30/2009 1645

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 460-10652	Instrument ID:	PESTGC5
Preparation:	3541	Prep Batch: 460-10535	Initial Weight/Volume:	15.02 g
Dilution:	1.0		Final Weight/Volume:	10 mL
Date Analyzed:	07/01/2009 1614		Injection Volume:	1.0 uL
Date Prepared:	07/01/2009 0652		Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	96		26 - 126
DCB Decachlorobiphenyl	162	X	48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-3297-1

Client Sample ID: **B-106:S1**

Lab Sample ID: 460-3297-3 Date Sampled: 06/30/2009 0730
Client Matrix: Solid % Moisture: 15.7 Date Received: 06/30/2009 1645

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 460-10652		Instrument ID:	PESTGC5
Preparation:	3541	Prep Batch: 460-10535		Initial Weight/Volume:	15.01 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	07/01/2009 1629			Injection Volume:	1.0 uL
Date Prepared:	07/01/2009 0652			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aldrin		7.9	U	1.7	7.9
alpha-BHC		7.9	U	1.5	7.9
beta-BHC		7.9	U	1.1	7.9
delta-BHC		7.9	U	1.2	7.9
gamma-BHC (Lindane)		7.9	U	0.92	7.9
Chlordane		79	U	17	79
4,4'-DDD		78		0.95	7.9
4,4'-DDE		20		1.5	7.9
4,4'-DDT		29		1.0	7.9
Dieldrin		3.3	J	1.5	7.9
Endosulfan I		7.9	U	1.7	7.9
Endosulfan II		24		1.2	7.9
Endosulfan sulfate		10		1.0	7.9
Endrin		3.3	J	1.1	7.9
Endrin aldehyde		59		2.0	7.9
Endrin ketone		21		1.2	7.9
Heptachlor		7.9	U	1.1	7.9
Heptachlor epoxide		7.9	U	1.6	7.9
Methoxychlor		210		0.89	7.9
Toxaphene		79	U	17	79

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	92		26 - 126
DCB Decachlorobiphenyl	115		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-3297-1

Client Sample ID: **B-106:S1**

Lab Sample ID: 460-3297-3 Date Sampled: 06/30/2009 0730
Client Matrix: Solid % Moisture: 15.7 Date Received: 06/30/2009 1645

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 460-10652		Instrument ID:	PESTGC5
Preparation:	3541	Prep Batch: 460-10535		Initial Weight/Volume:	15.01 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	07/01/2009 1629			Injection Volume:	1.0 uL
Date Prepared:	07/01/2009 0652			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	83		26 - 126
DCB Decachlorobiphenyl	302	X	48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-3297-1

Client Sample ID: **B-106:S3**

Lab Sample ID: 460-3297-4 Date Sampled: 06/30/2009 0745
Client Matrix: Solid % Moisture: 20.7 Date Received: 06/30/2009 1645

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 460-10652		Instrument ID:	PESTGC5
Preparation:	3541	Prep Batch: 460-10535		Initial Weight/Volume:	15.03 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	07/01/2009 1713			Injection Volume:	1.0 uL
Date Prepared:	07/01/2009 0652			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aldrin		8.4	U	1.9	8.4
alpha-BHC		8.4	U	1.6	8.4
beta-BHC		8.4	U	1.1	8.4
delta-BHC		8.4	U	1.3	8.4
gamma-BHC (Lindane)		8.4	U	0.98	8.4
Chlordane		84	U	18	84
4,4'-DDD		2.9	J	1.0	8.4
4,4'-DDE		8.4	U	1.6	8.4
4,4'-DDT		3.5	J	1.1	8.4
Dieldrin		2.5	J	1.6	8.4
Endosulfan I		8.4	U	1.8	8.4
Endosulfan II		8.4	U	1.3	8.4
Endosulfan sulfate		1.4	J	1.1	8.4
Endrin		8.4	U	1.2	8.4
Endrin aldehyde		8.9		2.1	8.4
Endrin ketone		1.3	J	1.2	8.4
Heptachlor		8.4	U	1.2	8.4
Heptachlor epoxide		8.4	U	1.7	8.4
Methoxychlor		4.9	J	0.94	8.4
Toxaphene		84	U	18	84

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	96		26 - 126
DCB Decachlorobiphenyl	121		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-3297-1

Client Sample ID: **B-106:S3**

Lab Sample ID: 460-3297-4 Date Sampled: 06/30/2009 0745
Client Matrix: Solid % Moisture: 20.7 Date Received: 06/30/2009 1645

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 460-10652	Instrument ID:	PESTGC5
Preparation:	3541	Prep Batch: 460-10535	Initial Weight/Volume:	15.03 g
Dilution:	1.0		Final Weight/Volume:	10 mL
Date Analyzed:	07/01/2009 1713		Injection Volume:	1.0 uL
Date Prepared:	07/01/2009 0652		Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	93		26 - 126
DCB Decachlorobiphenyl	88		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-3297-1

Client Sample ID: **B-111:S1-S2**

Lab Sample ID: 460-3297-5 Date Sampled: 06/30/2009 1028
Client Matrix: Solid % Moisture: 15.9 Date Received: 06/30/2009 1645

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 460-10860		Instrument ID:	PESTGC1
Preparation:	3541	Prep Batch: 460-10695		Initial Weight/Volume:	15.03 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	07/06/2009 0955			Injection Volume:	1.0 uL
Date Prepared:	07/02/2009 1110			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aldrin		7.9	U	1.7	7.9
alpha-BHC		7.9	U	1.5	7.9
beta-BHC		7.9	U	1.1	7.9
delta-BHC		7.9	U	1.2	7.9
gamma-BHC (Lindane)		7.9	U	0.93	7.9
Chlordane		79	U	17	79
4,4'-DDD		7.9	U	0.95	7.9
4,4'-DDE		7.9	U	1.5	7.9
4,4'-DDT		1.8	J	1.0	7.9
Dieldrin		7.9	U	1.5	7.9
Endosulfan I		7.9	U	1.7	7.9
Endosulfan II		2.3	J	1.2	7.9
Endosulfan sulfate		7.9	U	1.0	7.9
Endrin		1.8	J	1.1	7.9
Endrin aldehyde		5.8	J	2.0	7.9
Endrin ketone		5.2	J	1.2	7.9
Heptachlor		7.9	U	1.1	7.9
Heptachlor epoxide		7.9	U	1.6	7.9
Methoxychlor		7.9	U	0.89	7.9
Toxaphene		79	U	17	79

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	103		26 - 126
DCB Decachlorobiphenyl	84		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-3297-1

Client Sample ID: **B-111:S1-S2**

Lab Sample ID: 460-3297-5 Date Sampled: 06/30/2009 1028
Client Matrix: Solid % Moisture: 15.9 Date Received: 06/30/2009 1645

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 460-10860	Instrument ID:	PESTGC1
Preparation:	3541	Prep Batch: 460-10695	Initial Weight/Volume:	15.03 g
Dilution:	1.0		Final Weight/Volume:	10 mL
Date Analyzed:	07/06/2009 0955		Injection Volume:	1.0 uL
Date Prepared:	07/02/2009 1110		Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	88		26 - 126
DCB Decachlorobiphenyl	134		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-3297-1

Client Sample ID: **B-109:S1**

Lab Sample ID: 460-3297-1 Date Sampled: 06/29/2009 1430
Client Matrix: Solid % Moisture: 17.9 Date Received: 06/30/2009 1645

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 460-10842		Instrument ID:	PESTGC9
Preparation:	3541	Prep Batch: 460-10536		Initial Weight/Volume:	15.00 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	07/02/2009 1401			Injection Volume:	1.0 uL
Date Prepared:	07/01/2009 0658			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		82	U	16	82
Aroclor 1221		82	U	25	82
Aroclor 1232		82	U	46	82
Aroclor 1242		82	U	15	82
Aroclor 1248		82	U	22	82
Aroclor 1254		82	U	28	82
Aroclor 1260		82	U	9.1	82
Aroclor 1262		82	U	14	82
Aroclor 1268		82	U	14	82

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	141		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-3297-1

Client Sample ID: **B-109:S1**

Lab Sample ID: 460-3297-1 Date Sampled: 06/29/2009 1430
Client Matrix: Solid % Moisture: 17.9 Date Received: 06/30/2009 1645

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 460-10842	Instrument ID:	PESTGC9
Preparation:	3541	Prep Batch: 460-10536	Initial Weight/Volume:	15.00 g
Dilution:	1.0		Final Weight/Volume:	10 mL
Date Analyzed:	07/02/2009 1401		Injection Volume:	1.0 uL
Date Prepared:	07/01/2009 0658		Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	403	E X	48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-3297-1

Client Sample ID: **B-109:S6**

Lab Sample ID: 460-3297-2 Date Sampled: 06/29/2009 1510
Client Matrix: Solid % Moisture: 33.3 Date Received: 06/30/2009 1645

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 460-10671		Instrument ID:	PESTGC9
Preparation:	3541	Prep Batch: 460-10536		Initial Weight/Volume:	15.02 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	07/01/2009 2056			Injection Volume:	1.0 uL
Date Prepared:	07/01/2009 0658			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		100	U	19	100
Aroclor 1221		100	U	30	100
Aroclor 1232		100	U	57	100
Aroclor 1242		100	U	19	100
Aroclor 1248		100	U	27	100
Aroclor 1254		190		34	100
Aroclor 1260		190		11	100
Aroclor 1262		100	U	17	100
Aroclor 1268		100	U	17	100

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	100		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-3297-1

Client Sample ID: **B-109:S6**

Lab Sample ID: 460-3297-2 Date Sampled: 06/29/2009 1510
Client Matrix: Solid % Moisture: 33.3 Date Received: 06/30/2009 1645

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 460-10671		Instrument ID:	PESTGC9
Preparation:	3541	Prep Batch: 460-10536		Initial Weight/Volume:	15.02 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	07/01/2009 2056			Injection Volume:	1.0 uL
Date Prepared:	07/01/2009 0658			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	86		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-3297-1

Client Sample ID: **B-106:S1**

Lab Sample ID: 460-3297-3 Date Sampled: 06/30/2009 0730
Client Matrix: Solid % Moisture: 15.7 Date Received: 06/30/2009 1645

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 460-10842		Instrument ID:	PESTGC9
Preparation:	3541	Prep Batch: 460-10536		Initial Weight/Volume:	15.01 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	07/02/2009 1417			Injection Volume:	1.0 uL
Date Prepared:	07/01/2009 0658			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		79	U	15	79
Aroclor 1221		79	U	24	79
Aroclor 1232		79	U	45	79
Aroclor 1242		79	U	15	79
Aroclor 1248		79	U	21	79
Aroclor 1254		340		27	79
Aroclor 1260		79	U	8.9	79
Aroclor 1262		79	U	14	79
Aroclor 1268		79	U	14	79

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	154	X	48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-3297-1

Client Sample ID: **B-106:S1**

Lab Sample ID: 460-3297-3 Date Sampled: 06/30/2009 0730
Client Matrix: Solid % Moisture: 15.7 Date Received: 06/30/2009 1645

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 460-10842		Instrument ID:	PESTGC9
Preparation:	3541	Prep Batch: 460-10536		Initial Weight/Volume:	15.01 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	07/02/2009 1417			Injection Volume:	1.0 uL
Date Prepared:	07/01/2009 0658			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	121		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-3297-1

Client Sample ID: **B-106:S3**

Lab Sample ID: 460-3297-4 Date Sampled: 06/30/2009 0745
Client Matrix: Solid % Moisture: 20.7 Date Received: 06/30/2009 1645

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 460-10842		Instrument ID:	PESTGC9
Preparation:	3541	Prep Batch: 460-10536		Initial Weight/Volume:	15.03 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	07/02/2009 1432			Injection Volume:	1.0 uL
Date Prepared:	07/01/2009 0658			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		84	U	16	84
Aroclor 1221		84	U	25	84
Aroclor 1232		84	U	48	84
Aroclor 1242		84	U	16	84
Aroclor 1248		84	U	22	84
Aroclor 1254		41	J	29	84
Aroclor 1260		84	U	9.4	84
Aroclor 1262		84	U	14	84
Aroclor 1268		84	U	14	84

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	98		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-3297-1

Client Sample ID: **B-106:S3**

Lab Sample ID: 460-3297-4 Date Sampled: 06/30/2009 0745
Client Matrix: Solid % Moisture: 20.7 Date Received: 06/30/2009 1645

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 460-10842		Instrument ID:	PESTGC9
Preparation:	3541	Prep Batch: 460-10536		Initial Weight/Volume:	15.03 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	07/02/2009 1432			Injection Volume:	1.0 uL
Date Prepared:	07/01/2009 0658			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	82		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-3297-1

Client Sample ID: **B-111:S1-S2**

Lab Sample ID: 460-3297-5 Date Sampled: 06/30/2009 1028
Client Matrix: Solid % Moisture: 15.9 Date Received: 06/30/2009 1645

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 460-10671		Instrument ID:	PESTGC9
Preparation:	3541	Prep Batch: 460-10536		Initial Weight/Volume:	15.02 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	07/01/2009 1939			Injection Volume:	1.0 uL
Date Prepared:	07/01/2009 0658			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		80	U	15	80
Aroclor 1221		80	U	24	80
Aroclor 1232		80	U	45	80
Aroclor 1242		80	U	15	80
Aroclor 1248		80	U	21	80
Aroclor 1254		80	U	27	80
Aroclor 1260		80	U	8.9	80
Aroclor 1262		80	U	14	80
Aroclor 1268		80	U	14	80

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	77		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-3297-1

Client Sample ID: **B-111:S1-S2**

Lab Sample ID: 460-3297-5 Date Sampled: 06/30/2009 1028
Client Matrix: Solid % Moisture: 15.9 Date Received: 06/30/2009 1645

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 460-10671		Instrument ID:	PESTGC9
Preparation:	3541	Prep Batch: 460-10536		Initial Weight/Volume:	15.02 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	07/01/2009 1939			Injection Volume:	1.0 uL
Date Prepared:	07/01/2009 0658			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	120		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-3297-1

Client Sample ID: **B-109:S1**

Lab Sample ID: 460-3297-1 Date Sampled: 06/29/2009 1430
Client Matrix: Solid % Moisture: 17.9 Date Received: 06/30/2009 1645

NJ-OQA-QAM-025 New Jersey - Total petroleum Hydrocarbons (GC)

Method:	NJ-OQA-QAM-025	Analysis Batch: 460-10869	Instrument ID:	BNAGC1
Preparation:	3541	Prep Batch: 460-10769	Lab File ID:	gcr34378.d
Dilution:	1.0		Initial Weight/Volume:	15.00 g
Date Analyzed:	07/07/2009 0624		Final Weight/Volume:	1 mL
Date Prepared:	07/03/2009 0138		Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL	RL
Total Petroleum Hydrocarbons (C8-C40)		73		6.7	6.7

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	76		46 - 124
Chlorobenzene	64		19 - 98

Client: Haley & Aldrich, Inc. Job Number: 460-3297-1

Client Sample ID: **B-109:S6**

Lab Sample ID: 460-3297-2 Date Sampled: 06/29/2009 1510
Client Matrix: Solid % Moisture: 33.3 Date Received: 06/30/2009 1645

NJ-OQA-QAM-025 New Jersey - Total petroleum Hydrocarbons (GC)

Method:	NJ-OQA-QAM-025	Analysis Batch: 460-10869		Instrument ID:	BNAGC1
Preparation:	3541	Prep Batch: 460-10769		Lab File ID:	gcr34379.d
Dilution:	1.0			Initial Weight/Volume:	15.00 g
Date Analyzed:	07/07/2009 0639			Final Weight/Volume:	1 mL
Date Prepared:	07/03/2009 0138			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL	RL
Total Petroleum Hydrocarbons (C8-C40)		120		8.3	8.3

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	82		46 - 124
Chlorobenzene	66		19 - 98

Client: Haley & Aldrich, Inc. Job Number: 460-3297-1

Client Sample ID: **B-106:S1**

Lab Sample ID: 460-3297-3 Date Sampled: 06/30/2009 0730
Client Matrix: Solid % Moisture: 15.7 Date Received: 06/30/2009 1645

NJ-OQA-QAM-025 New Jersey - Total petroleum Hydrocarbons (GC)

Method:	NJ-OQA-QAM-025	Analysis Batch: 460-10869		Instrument ID:	BNAGC1
Preparation:	3541	Prep Batch: 460-10769		Lab File ID:	gcr34402.d
Dilution:	5.0			Initial Weight/Volume:	15.03 g
Date Analyzed:	07/07/2009 1233	Run Type:	DL	Final Weight/Volume:	1 mL
Date Prepared:	07/03/2009 0138			Injection Volume:	1 uL

Analyte DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL	RL
Total Petroleum Hydrocarbons (C8-C40)	710		33	33

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	86		46 - 124
Chlorobenzene	62		19 - 98

Client: Haley & Aldrich, Inc. Job Number: 460-3297-1

Client Sample ID: **B-106:S3**

Lab Sample ID: 460-3297-4 Date Sampled: 06/30/2009 0745
Client Matrix: Solid % Moisture: 20.7 Date Received: 06/30/2009 1645

NJ-OQA-QAM-025 New Jersey - Total petroleum Hydrocarbons (GC)

Method:	NJ-OQA-QAM-025	Analysis Batch: 460-10869		Instrument ID:	BNAGC1
Preparation:	3541	Prep Batch: 460-10769		Lab File ID:	gcr34381.d
Dilution:	1.0			Initial Weight/Volume:	15.02 g
Date Analyzed:	07/07/2009 0715			Final Weight/Volume:	1 mL
Date Prepared:	07/03/2009 0138			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL	RL
Total Petroleum Hydrocarbons (C8-C40)		150		6.9	6.9

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	79		46 - 124
Chlorobenzene	64		19 - 98

Client: Haley & Aldrich, Inc. Job Number: 460-3297-1

Client Sample ID: **B-111:S1-S2**

Lab Sample ID: 460-3297-5 Date Sampled: 06/30/2009 1028
Client Matrix: Solid % Moisture: 15.9 Date Received: 06/30/2009 1645

NJ-OQA-QAM-025 New Jersey - Total petroleum Hydrocarbons (GC)

Method:	NJ-OQA-QAM-025	Analysis Batch: 460-10869		Instrument ID:	BNAGC1
Preparation:	3541	Prep Batch: 460-10769		Lab File ID:	gcr34305.d
Dilution:	1.0			Initial Weight/Volume:	15.00 g
Date Analyzed:	07/06/2009 1229			Final Weight/Volume:	1 mL
Date Prepared:	07/03/2009 0138			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL	RL
Total Petroleum Hydrocarbons (C8-C40)		12		6.5	6.5

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	70		46 - 124
Chlorobenzene	63		19 - 98

Client: Haley & Aldrich, Inc. Job Number: 460-3297-1

Client Sample ID: **B-109:S1**

Lab Sample ID: 460-3297-1 Date Sampled: 06/29/2009 1430
Client Matrix: Solid % Moisture: 17.9 Date Received: 06/30/2009 1645

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 460-10830		Instrument ID:	ICP2
Preparation:	3050B	Prep Batch: 460-10614		Lab File ID:	10614V1
Dilution:	4.0			Initial Weight/Volume:	1.02 g
Date Analyzed:	07/03/2009 1606			Final Weight/Volume:	50 mL
Date Prepared:	07/01/2009 1717				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		2070		17.5	47.7
Antimony		2.8		1.1	2.4
Arsenic		6.9		0.83	1.2
Barium		65.2		1.4	47.7
Beryllium		0.48	U	0.21	0.48
Cadmium		0.43	J	0.19	1.2
Calcium		3690		31.4	1190
Chromium		11.3		1.4	2.4
Cobalt		2.5	J	1.5	11.9
Copper		101		0.97	6.0
Iron		5720		12.7	35.8
Lead		215	B	0.60	1.2
Magnesium		1020	J	12.6	1190
Manganese		79.6		1.3	3.6
Nickel		7.7	J	0.64	9.5
Potassium		332	J	53.9	1190
Selenium		2.4	U	1.1	2.4
Silver		0.36	J	0.18	2.4
Sodium		564	J	73.3	1190
Thallium		2.4	U	1.2	2.4
Vanadium		7.6	J	0.62	11.9
Zinc		265		1.2	7.2

7471A Mercury (CVAA)

Method:	7471A	Analysis Batch: 460-10857		Instrument ID:	LEEMAN5
Preparation:	7471A	Prep Batch: 460-10828		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	0.67 g
Date Analyzed:	07/06/2009 1402			Final Weight/Volume:	100 mL
Date Prepared:	07/06/2009 0800				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		1.2		0.028	0.036

Client: Haley & Aldrich, Inc. Job Number: 460-3297-1

Client Sample ID: **B-109:S6**

Lab Sample ID: 460-3297-2 Date Sampled: 06/29/2009 1510
Client Matrix: Solid % Moisture: 33.3 Date Received: 06/30/2009 1645

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 460-10830		Instrument ID:	ICP2
Preparation:	3050B	Prep Batch: 460-10614		Lab File ID:	10614V1
Dilution:	4.0			Initial Weight/Volume:	1.04 g
Date Analyzed:	07/03/2009 1612			Final Weight/Volume:	50 mL
Date Prepared:	07/01/2009 1717				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		6650		21.1	57.7
Antimony		2.9	U	1.3	2.9
Arsenic		17.8		1.0	1.4
Barium		129		1.7	57.7
Beryllium		0.55	J	0.25	0.58
Cadmium		1.7		0.22	1.4
Calcium		34100		37.9	1440
Chromium		28.9		1.7	2.9
Cobalt		6.5	J	1.8	14.4
Copper		108		1.2	7.2
Iron		24600		15.3	43.3
Lead		666	B	0.72	1.4
Magnesium		10000		15.3	1440
Manganese		254		1.6	4.3
Nickel		29.8		0.77	11.5
Potassium		606	J	65.1	1440
Selenium		2.9	U	1.4	2.9
Silver		0.35	J	0.22	2.9
Sodium		709	J	88.6	1440
Thallium		2.9	U	1.4	2.9
Vanadium		24.7		0.75	14.4
Zinc		372		1.4	8.7

7471A Mercury (CVAA)

Method:	7471A	Analysis Batch: 460-10857		Instrument ID:	LEEMAN5
Preparation:	7471A	Prep Batch: 460-10828		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	0.65 g
Date Analyzed:	07/06/2009 1404			Final Weight/Volume:	100 mL
Date Prepared:	07/06/2009 0800				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.34		0.036	0.046

Client: Haley & Aldrich, Inc. Job Number: 460-3297-1

Client Sample ID: **B-106:S1**

Lab Sample ID: 460-3297-3 Date Sampled: 06/30/2009 0730
Client Matrix: Solid % Moisture: 15.7 Date Received: 06/30/2009 1645

6010B Metals (ICP)

Method: 6010B Analysis Batch: 460-10830 Instrument ID: ICP2
Preparation: 3050B Prep Batch: 460-10614 Lab File ID: 10614V1
Dilution: 4.0 Initial Weight/Volume: 1.05 g
Date Analyzed: 07/03/2009 1631 Final Weight/Volume: 50 mL
Date Prepared: 07/01/2009 1717

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		11100		16.6	45.2
Antimony		2.3	U	0.99	2.3
Arsenic		6.9		0.79	1.1
Barium		344		1.4	45.2
Beryllium		9.2		0.20	0.45
Cadmium		1.4		0.18	1.1
Calcium		18000		29.7	1130
Chromium		183		1.3	2.3
Cobalt		91.5		1.4	11.3
Copper		1280		0.92	5.6
Lead		1040	B	0.56	1.1
Magnesium		4030		12.0	1130
Manganese		510		1.3	3.4
Nickel		526		0.61	9.0
Potassium		873	J	51.0	1130
Selenium		2.8		1.1	2.3
Silver		0.80	J	0.17	2.3
Sodium		1530		69.4	1130
Thallium		2.3	U	1.1	2.3
Vanadium		40.7		0.59	11.3

Method: 6010B Analysis Batch: 460-11015 Instrument ID: ICP2
Preparation: 3050B Prep Batch: 460-10614 Lab File ID: 10667V2
Dilution: 20 Initial Weight/Volume: 1.05 g
Date Analyzed: 07/07/2009 1425 Final Weight/Volume: 50 mL
Date Prepared: 07/01/2009 1717

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Iron		51600		60.0	169
Zinc		3750		5.5	33.9

7471A Mercury (CVAA)

Method: 7471A Analysis Batch: 460-10857 Instrument ID: LEEMAN5
Preparation: 7471A Prep Batch: 460-10828 Lab File ID: N/A
Dilution: 1.0 Initial Weight/Volume: 0.62 g
Date Analyzed: 07/06/2009 1406 Final Weight/Volume: 100 mL
Date Prepared: 07/06/2009 0800

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.58		0.030	0.038

Client: Haley & Aldrich, Inc. Job Number: 460-3297-1

Client Sample ID: **B-106:S3**

Lab Sample ID: 460-3297-4 Date Sampled: 06/30/2009 0745
Client Matrix: Solid % Moisture: 20.7 Date Received: 06/30/2009 1645

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 460-10830		Instrument ID:	ICP2
Preparation:	3050B	Prep Batch: 460-10614		Lab File ID:	10614V1
Dilution:	4.0			Initial Weight/Volume:	1.02 g
Date Analyzed:	07/03/2009 1637			Final Weight/Volume:	50 mL
Date Prepared:	07/01/2009 1717				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		6120		18.1	49.5
Antimony		2.5	U	1.1	2.5
Arsenic		7.8		0.86	1.2
Barium		151		1.5	49.5
Beryllium		3.1		0.22	0.49
Cadmium		0.51	J	0.19	1.2
Calcium		11700		32.5	1240
Chromium		61.0		1.5	2.5
Cobalt		26.5		1.5	12.4
Copper		385		1.0	6.2
Iron		24400		13.1	37.1
Lead		360	B	0.62	1.2
Magnesium		2490		13.1	1240
Manganese		258		1.4	3.7
Nickel		169		0.66	9.9
Potassium		642	J	55.8	1240
Selenium		2.6		1.2	2.5
Silver		0.39	J	0.19	2.5
Sodium		1190	J	75.9	1240
Thallium		2.5	U	1.2	2.5
Vanadium		22.5		0.64	12.4
Zinc		1100		1.2	7.4

7471A Mercury (CVAA)

Method:	7471A	Analysis Batch: 460-10857		Instrument ID:	LEEMAN5
Preparation:	7471A	Prep Batch: 460-10828		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	0.65 g
Date Analyzed:	07/06/2009 1408			Final Weight/Volume:	100 mL
Date Prepared:	07/06/2009 0800				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.27		0.030	0.038

Client: Haley & Aldrich, Inc. Job Number: 460-3297-1

Client Sample ID: **B-111:S1-S2**

Lab Sample ID: 460-3297-5 Date Sampled: 06/30/2009 1028
Client Matrix: Solid % Moisture: 15.9 Date Received: 06/30/2009 1645

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 460-10830		Instrument ID:	ICP2
Preparation:	3050B	Prep Batch: 460-10614		Lab File ID:	10614V1
Dilution:	4.0			Initial Weight/Volume:	1.01 g
Date Analyzed:	07/03/2009 1643			Final Weight/Volume:	50 mL
Date Prepared:	07/01/2009 1717				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		1580		17.2	47.1
Antimony		2.4	U	1.0	2.4
Arsenic		4.6		0.82	1.2
Barium		97.0		1.4	47.1
Beryllium		0.47	U	0.21	0.47
Cadmium		1.2	U	0.18	1.2
Calcium		21400		30.9	1180
Chromium		20.2		1.4	2.4
Cobalt		2.9	J	1.4	11.8
Copper		44.9		0.96	5.9
Iron		11800		12.5	35.3
Lead		143	B	0.59	1.2
Magnesium		7270		12.5	1180
Manganese		127		1.3	3.5
Nickel		34.6		0.63	9.4
Potassium		384	J	53.1	1180
Selenium		2.4	U	1.1	2.4
Silver		0.31	J	0.18	2.4
Sodium		561	J	72.3	1180
Thallium		2.4	U	1.1	2.4
Vanadium		9.1	J	0.61	11.8
Zinc		47.0		1.2	7.1

7471A Mercury (CVAA)

Method:	7471A	Analysis Batch: 460-10857		Instrument ID:	LEEMAN5
Preparation:	7471A	Prep Batch: 460-10828		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	0.60 g
Date Analyzed:	07/06/2009 1410			Final Weight/Volume:	100 mL
Date Prepared:	07/06/2009 0800				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.44		0.031	0.039

General Chemistry

Client Sample ID: **B-109:S1**

Lab Sample ID: 460-3297-1 Date Sampled: 06/29/2009 1430
Client Matrix: Solid Date Received: 06/30/2009 1645

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	17.9		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-10515	Date Analyzed: 06/30/2009 1820						DryWt Corrected: N
Percent Solids	82.1		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-10515	Date Analyzed: 06/30/2009 1820						DryWt Corrected: N

General Chemistry

Client Sample ID: **B-109:S6**

Lab Sample ID: 460-3297-2 Date Sampled: 06/29/2009 1510

Client Matrix: Solid Date Received: 06/30/2009 1645

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	33.3		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-10515	Date Analyzed: 06/30/2009 1820						DryWt Corrected: N
Percent Solids	66.7		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-10515	Date Analyzed: 06/30/2009 1820						DryWt Corrected: N

General Chemistry

Client Sample ID: **B-106:S1**

Lab Sample ID: 460-3297-3 Date Sampled: 06/30/2009 0730

Client Matrix: Solid Date Received: 06/30/2009 1645

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	15.7		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-10515	Date Analyzed: 06/30/2009 1820						DryWt Corrected: N
Percent Solids	84.3		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-10515	Date Analyzed: 06/30/2009 1820						DryWt Corrected: N

General Chemistry

Client Sample ID: **B-106:S3**

Lab Sample ID: 460-3297-4 Date Sampled: 06/30/2009 0745

Client Matrix: Solid Date Received: 06/30/2009 1645

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	20.7		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-10515	Date Analyzed: 06/30/2009 1820						DryWt Corrected: N
Percent Solids	79.3		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-10515	Date Analyzed: 06/30/2009 1820						DryWt Corrected: N

General Chemistry

Client Sample ID: **B-111:S1-S2**

Lab Sample ID: 460-3297-5 Date Sampled: 06/30/2009 1028

Client Matrix: Solid Date Received: 06/30/2009 1645

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	15.9		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-10515	Date Analyzed: 06/30/2009 1837						DryWt Corrected: N
Percent Solids	84.1		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-10515	Date Analyzed: 06/30/2009 1837						DryWt Corrected: N

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

777 New Durham Road
Edison, New Jersey 08817
Phone: (732) 549-3900 Fax: (732) 549-3679

IR #90 3

CHAIN OF CUSTODY / ANALYSIS REQUEST

Page 1 of 1

Name (for report and invoice): AMY MURPHY	Samplers Name (Printed): BOBBY ISAAC	Site/Project Identification: 14th ST. VIADUCT, HOBOKEN
Company: Haley & Aldrich	P. O. # 36059-001	State (Location of site): NJ: [X] NY: [ ] Other:
		Regulatory Program:
Address: 299 Cherry Hill Road, Suite 105	Analysis Turnaround Time: Standard [X]	
City: Parsippany State: NJ	Rush Chrages Authorized For: 2 Week [ ] 1 Week [ ] Other [ ]	
Phone: 973-658-3938 Fax: 973-658-3988		

ANALYSIS REQUESTED (ENTER "X" BELOW TO INDICATE REQUEST)

Sample Identification	Date	Time	Matrix	No. of Cont.	8270C TCL-BN +15	8082 PCBs	8081A TCL Pesticides	6010B TAL Metals	NJ-DRA-GRM-025	8260B TAL-VOA +10						LAB USE ONLY Sample Numbers
B-119:S1	7/2/09	10:05A	S	5	X	X	X	X	X	X						1
B-119:S3	7/2/09	10:12A	S	5	X	X	X	X	X	X						2
B-125:S1	7/2/09	10:30A	S	5	X	X	X	X	X	X						3
B-125:S5	7/2/09	11:13A	S	5	X	X	X	X	X	X						4
EB-4:S1	7/2/09	7:54A	S	5	X	X	X	X	X	X						5
EB-4:S3	7/2/09	8:10A	S	5	X	X	X	X	X	X						6
Preservation Used: 1 = ICE, 2 = HCl, 3 = H_2SO_4, 4 = HNO_3, 5 = NaOH — Soil:					1	1	1	1	1	1						
6 = Other _____, 7 = Other _____ — Water:																

LAB USE ONLY Project No: Job No. 3434

Special Instructions _____ Water Metals Filtered (Yes/No)? _____

Relinquished by	Company	Date / Time	Received by	Company
1) B. Issac	Haley & Aldrich	7/2/09 | 18:02	1) [signature]	TA 7-2-09 18:02
2)		|	2)	
3)		|	3)	
4)		|	4)	

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132). Massachusetts (M-NJ312), North Carolina (No. 578)

TAL - 0016 (0408)

Client: Haley & Aldrich, Inc. Job Number: 460-3434-1

Client Sample ID: **B-119: S1**

Lab Sample ID: 460-3434-1 Date Sampled: 07/02/2009 1005
Client Matrix: Solid % Moisture: 21.7 Date Received: 07/02/2009 1802

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 460-10911		Instrument ID:	VOAMS12
Preparation:	5035	Prep Batch: 460-10775		Lab File ID:	o28383.d
Dilution:	1.0			Initial Weight/Volume:	4.55 g
Date Analyzed:	07/07/2009 0024			Final Weight/Volume:	1.0 g
Date Prepared:	07/03/2009 0854				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Chloromethane		1.3	U	0.81	1.3
Bromomethane		1.3	U	0.52	1.3
Vinyl chloride		1.3	U	0.30	1.3
Chloroethane		1.3	U	0.51	1.3
Methylene Chloride		1.3	U	0.60	1.3
Acetone		20	B	4.7	13
Carbon disulfide		0.73	J	0.59	1.3
1,1-Dichloroethene		1.3	U	0.47	1.3
1,1-Dichloroethane		1.3	U	0.32	1.3
trans-1,2-Dichloroethene		1.3	U	0.36	1.3
cis-1,2-Dichloroethene		1.3	U	0.30	1.3
Chloroform		2.7		0.30	1.3
1,2-Dichloroethane		1.3	U	0.50	1.3
2-Butanone		13	U	0.73	13
1,1,1-Trichloroethane		1.3	U	0.24	1.3
Carbon tetrachloride		1.3	U	0.13	1.3
Bromodichloromethane		1.3	U	0.39	1.3
1,2-Dichloropropane		1.3	U	0.41	1.3
cis-1,3-Dichloropropene		1.3	U	0.26	1.3
Trichloroethene		1.3	U	0.46	1.3
Dibromochloromethane		1.3	U	0.72	1.3
1,1,2-Trichloroethane		1.3	U	0.76	1.3
Benzene		1.3	U	0.95	1.3
trans-1,3-Dichloropropene		1.3	U	0.28	1.3
Bromoform		1.3	U	0.90	1.3
4-Methyl-2-pentanone		13	U	0.91	13
2-Hexanone		13	U	2.1	13
Tetrachloroethene		1.3	U	0.42	1.3
1,1,2,2-Tetrachloroethane		1.3	U	0.97	1.3
Toluene		1.3	U	0.38	1.3
Chlorobenzene		1.3	U	0.62	1.3
Ethylbenzene		1.3	U	0.24	1.3
Styrene		1.3	U	0.44	1.3
Xylenes, Total		3.8	U	1.0	3.8

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	103		53 - 128
Bromofluorobenzene	123		73 - 143
Toluene-d8 (Surr)	106		59 - 139

Client: Haley & Aldrich, Inc. Job Number: 460-3434-1

Client Sample ID: **B-119: S1**

Lab Sample ID: 460-3434-1 Date Sampled: 07/02/2009 1005
Client Matrix: Solid % Moisture: 21.7 Date Received: 07/02/2009 1802

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 460-10911		Instrument ID:	VOAMS12
Preparation:	5035	Prep Batch: 460-10775		Lab File ID:	o28383.d
Dilution:	1.0			Initial Weight/Volume:	4.55 g
Date Analyzed:	07/07/2009 0024			Final Weight/Volume:	1.0 g
Date Prepared:	07/03/2009 0854				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Tentatively Identified Compound		None	

Client: Haley & Aldrich, Inc. Job Number: 460-3434-1

Client Sample ID: **B-119: S3**

Lab Sample ID: 460-3434-2 Date Sampled: 07/02/2009 1012
Client Matrix: Solid % Moisture: 18.2 Date Received: 07/02/2009 1802

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 460-10911		Instrument ID:	VOAMS12
Preparation:	5035	Prep Batch: 460-10775		Lab File ID:	o28384.d
Dilution:	1.0			Initial Weight/Volume:	5.30 g
Date Analyzed:	07/07/2009 0050			Final Weight/Volume:	1.0 g
Date Prepared:	07/03/2009 0858				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Chloromethane		1.2	U	0.77	1.2
Bromomethane		1.2	U	0.50	1.2
Vinyl chloride		1.2	U	0.29	1.2
Chloroethane		1.2	U	0.49	1.2
Methylene Chloride		1.2	U	0.58	1.2
Acetone		31	B	4.5	12
Carbon disulfide		1.4		0.57	1.2
1,1-Dichloroethene		1.2	U	0.45	1.2
1,1-Dichloroethane		1.2	U	0.31	1.2
trans-1,2-Dichloroethene		1.2	U	0.35	1.2
cis-1,2-Dichloroethene		1.2	U	0.29	1.2
Chloroform		1.2	U	0.29	1.2
1,2-Dichloroethane		1.2	U	0.48	1.2
2-Butanone		12	U	0.70	12
1,1,1-Trichloroethane		1.2	U	0.23	1.2
Carbon tetrachloride		1.2	U	0.12	1.2
Bromodichloromethane		1.2	U	0.37	1.2
1,2-Dichloropropane		1.2	U	0.39	1.2
cis-1,3-Dichloropropene		1.2	U	0.25	1.2
Trichloroethene		1.2	U	0.44	1.2
Dibromochloromethane		1.2	U	0.68	1.2
1,1,2-Trichloroethane		1.2	U	0.72	1.2
Benzene		1.7		0.90	1.2
trans-1,3-Dichloropropene		1.2	U	0.27	1.2
Bromoform		1.2	U	0.86	1.2
4-Methyl-2-pentanone		12	U	0.87	12
2-Hexanone		12	U	2.0	12
Tetrachloroethene		1.2	U	0.40	1.2
1,1,2,2-Tetrachloroethane		1.2	U	0.93	1.2
Toluene		1.2	U	0.37	1.2
Chlorobenzene		1.2	U	0.59	1.2
Ethylbenzene		1.2	U	0.23	1.2
Styrene		1.2	U	0.42	1.2
Xylenes, Total		3.7	U	0.96	3.7

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	110		53 - 128
Bromofluorobenzene	105		73 - 143
Toluene-d8 (Surr)	99		59 - 139

Client: Haley & Aldrich, Inc. Job Number: 460-3434-1

Client Sample ID: **B-119: S3**

Lab Sample ID: 460-3434-2 Date Sampled: 07/02/2009 1012
Client Matrix: Solid % Moisture: 18.2 Date Received: 07/02/2009 1802

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 460-10911		Instrument ID:	VOAMS12
Preparation:	5035	Prep Batch: 460-10775		Lab File ID:	o28384.d
Dilution:	1.0			Initial Weight/Volume:	5.30 g
Date Analyzed:	07/07/2009 0050			Final Weight/Volume:	1.0 g
Date Prepared:	07/03/2009 0858				

Tentatively Identified Compounds **Number TIC's Found:** **4**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
91-20-3	Naphthalene	14.05	12	
	Methylnaphthalene isomer	15.08	20	T J
	Unknown Aromatic	16.31	7.9	T J
	Unknown Aromatic	16.52	16	T J

Client: Haley & Aldrich, Inc. Job Number: 460-3434-1

Client Sample ID: **B-125: S1**

Lab Sample ID: 460-3434-3 Date Sampled: 07/02/2009 1030
Client Matrix: Solid % Moisture: 12.5 Date Received: 07/02/2009 1802

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 460-11051		Instrument ID:	VOAMS12
Preparation:	5035	Prep Batch: 460-10775		Lab File ID:	o28427.d
Dilution:	1.0			Initial Weight/Volume:	5.52 g
Date Analyzed:	07/07/2009 2227			Final Weight/Volume:	1.0 mL
Date Prepared:	07/03/2009 0900				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Chloromethane		1.1	U	0.72	1.1
Bromomethane		1.1	U	0.47	1.1
Vinyl chloride		1.1	U	0.27	1.1
Chloroethane		1.1	U	0.46	1.1
Methylene Chloride		1.1	U	0.54	1.1
Acetone		11	B	4.2	11
Carbon disulfide		1.1	U	0.53	1.1
1,1-Dichloroethene		1.1	U	0.42	1.1
1,1-Dichloroethane		1.1	U	0.29	1.1
trans-1,2-Dichloroethene		1.1	U	0.32	1.1
cis-1,2-Dichloroethene		1.1	U	0.27	1.1
Chloroform		0.71	J	0.27	1.1
1,2-Dichloroethane		1.1	U	0.45	1.1
2-Butanone		11	U	0.65	11
1,1,1-Trichloroethane		1.1	U	0.21	1.1
Carbon tetrachloride		1.1	U	0.12	1.1
Bromodichloromethane		1.1	U	0.35	1.1
1,2-Dichloropropane		1.1	U	0.36	1.1
cis-1,3-Dichloropropene		1.1	U	0.23	1.1
Trichloroethene		1.1	U	0.41	1.1
Dibromochloromethane		1.1	U	0.64	1.1
1,1,2-Trichloroethane		1.1	U	0.68	1.1
Benzene		1.5		0.85	1.1
trans-1,3-Dichloropropene		1.1	U	0.25	1.1
Bromoform		1.1	U	0.80	1.1
4-Methyl-2-pentanone		11	U	0.82	11
2-Hexanone		11	U	1.9	11
Tetrachloroethene		1.1	U	0.38	1.1
1,1,2,2-Tetrachloroethane		1.1	U	0.87	1.1
Toluene		1.1	U	0.34	1.1
Chlorobenzene		1.1	U	0.55	1.1
Ethylbenzene		1.1	U	0.22	1.1
Styrene		1.1	U	0.40	1.1
Xylenes, Total		3.4	U	0.90	3.4

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	105		53 - 128
Bromofluorobenzene	108		73 - 143
Toluene-d8 (Surr)	99		59 - 139

Client: Haley & Aldrich, Inc. Job Number: 460-3434-1

Client Sample ID: **B-125: S1**

Lab Sample ID: 460-3434-3 Date Sampled: 07/02/2009 1030
Client Matrix: Solid % Moisture: 12.5 Date Received: 07/02/2009 1802

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 460-11051		Instrument ID:	VOAMS12
Preparation:	5035	Prep Batch: 460-10775		Lab File ID:	o28427.d
Dilution:	1.0			Initial Weight/Volume:	5.52 g
Date Analyzed:	07/07/2009 2227			Final Weight/Volume:	1.0 mL
Date Prepared:	07/03/2009 0900				

Tentatively Identified Compounds **Number TIC's Found:** 1

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
115-07-1	Propene	0.97	8.7	T J N

Client: Haley & Aldrich, Inc. Job Number: 460-3434-1

Client Sample ID: **B-125: S5**

Lab Sample ID: 460-3434-4 Date Sampled: 07/02/2009 1113
Client Matrix: Solid % Moisture: 17.1 Date Received: 07/02/2009 1802

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 460-11657		Instrument ID:	VOAMS8
Preparation:	5035	Prep Batch: 460-10774		Lab File ID:	j86086.d
Dilution:	100			Initial Weight/Volume:	5.23 g
Date Analyzed:	07/14/2009 1308			Final Weight/Volume:	10 mL
Date Prepared:	07/03/2009 0859				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Chloromethane		230	U	49	230
Bromomethane		230	U	72	230
Vinyl chloride		230	U	28	230
Chloroethane		230	U	100	230
Methylene Chloride		230	U	44	230
Acetone		2300	U	570	2300
Carbon disulfide		230	U	34	230
1,1-Dichloroethene		230	U	32	230
1,1-Dichloroethane		230	U	23	230
trans-1,2-Dichloroethene		230	U	32	230
cis-1,2-Dichloroethene		230	U	45	230
Chloroform		230	U	36	230
1,2-Dichloroethane		230	U	57	230
2-Butanone		2300	U	190	2300
1,1,1-Trichloroethane		230	U	57	230
Carbon tetrachloride		230	U	42	230
Bromodichloromethane		230	U	21	230
1,2-Dichloropropane		230	U	20	230
cis-1,3-Dichloropropene		230	U	24	230
Trichloroethene		230	U	41	230
Dibromochloromethane		230	U	23	230
1,1,2-Trichloroethane		230	U	22	230
Benzene		1900		27	230
trans-1,3-Dichloropropene		230	U	28	230
Bromoform		230	U	23	230
4-Methyl-2-pentanone		2300	U	160	2300
2-Hexanone		2300	U	130	2300
Tetrachloroethene		230	U	45	230
1,1,2,2-Tetrachloroethane		230	U	20	230
Toluene		540		22	230
Chlorobenzene		230	U	38	230
Ethylbenzene		1100		57	230
Styrene		230	U	32	230
Xylenes, Total		500	J	100	690

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	106		51 - 131
Bromofluorobenzene	87		70 - 131
Toluene-d8 (Surr)	97		51 - 138

Client: Haley & Aldrich, Inc. Job Number: 460-3434-1

Client Sample ID: **B-125: S5**

Lab Sample ID: 460-3434-4 Date Sampled: 07/02/2009 1113
Client Matrix: Solid % Moisture: 17.1 Date Received: 07/02/2009 1802

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 460-11657		Instrument ID:	VOAMS8
Preparation:	5035	Prep Batch: 460-10774		Lab File ID:	j86086.d
Dilution:	100			Initial Weight/Volume:	5.23 g
Date Analyzed:	07/14/2009 1308			Final Weight/Volume:	10 mL
Date Prepared:	07/03/2009 0859				

Tentatively Identified Compounds **Number TIC's Found:** **7**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown Alkane	13.00	3200	T J
	Unknown	13.28	4400	T J
	C9H10 Aromatic	13.80	5900	T J
	2,3-dihydro-methyl-1H-Indene isomer	14.45	1400	T J
	2,3-dihydro-methyl-1H-Indene isomer	15.20	1400	T J
	C10H12 Aromatic	15.42	2600	T J
91-20-3	Naphthalene	16.44	39000	

Client: Haley & Aldrich, Inc. Job Number: 460-3434-1

Client Sample ID: **EB-4: S1**

Lab Sample ID: 460-3434-5 Date Sampled: 07/02/2009 0754
Client Matrix: Solid % Moisture: 12.7 Date Received: 07/02/2009 1802

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 460-10911		Instrument ID:	VOAMS12
Preparation:	5035	Prep Batch: 460-10775		Lab File ID:	o28382.d
Dilution:	1.0			Initial Weight/Volume:	6.08 g
Date Analyzed:	07/06/2009 2358			Final Weight/Volume:	1.0 g
Date Prepared:	07/03/2009 0909				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Chloromethane		1.1	U	0.73	1.1
Bromomethane		1.1	U	0.47	1.1
Vinyl chloride		1.1	U	0.27	1.1
Chloroethane		1.1	U	0.46	1.1
Methylene Chloride		1.1	U	0.54	1.1
Acetone		11	J B	4.2	11
Carbon disulfide		1.1	U	0.53	1.1
1,1-Dichloroethene		1.1	U	0.42	1.1
1,1-Dichloroethane		1.1	U	0.29	1.1
trans-1,2-Dichloroethene		1.1	U	0.32	1.1
cis-1,2-Dichloroethene		1.1	U	0.27	1.1
Chloroform		1.1	U	0.27	1.1
1,2-Dichloroethane		1.1	U	0.45	1.1
2-Butanone		11	U	0.65	11
1,1,1-Trichloroethane		1.1	U	0.21	1.1
Carbon tetrachloride		1.1	U	0.12	1.1
Bromodichloromethane		1.1	U	0.35	1.1
1,2-Dichloropropane		1.1	U	0.36	1.1
cis-1,3-Dichloropropene		1.1	U	0.23	1.1
Trichloroethene		1.1	U	0.42	1.1
Dibromochloromethane		1.1	U	0.64	1.1
1,1,2-Trichloroethane		1.1	U	0.68	1.1
Benzene		1.1	U	0.85	1.1
trans-1,3-Dichloropropene		1.1	U	0.25	1.1
Bromoform		1.1	U	0.80	1.1
4-Methyl-2-pentanone		11	U	0.82	11
2-Hexanone		11	U	1.9	11
Tetrachloroethene		1.1	U	0.38	1.1
1,1,2,2-Tetrachloroethane		1.1	U	0.87	1.1
Toluene		1.1	U	0.34	1.1
Chlorobenzene		1.1	U	0.55	1.1
Ethylbenzene		1.1	U	0.22	1.1
Styrene		1.1	U	0.40	1.1
Xylenes, Total		3.4	U	0.90	3.4

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	99		53 - 128
Bromofluorobenzene	97		73 - 143
Toluene-d8 (Surr)	90		59 - 139

Client: Haley & Aldrich, Inc. Job Number: 460-3434-1

Client Sample ID: **EB-4: S1**

Lab Sample ID: 460-3434-5 Date Sampled: 07/02/2009 0754
Client Matrix: Solid % Moisture: 12.7 Date Received: 07/02/2009 1802

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 460-10911		Instrument ID:	VOAMS12
Preparation:	5035	Prep Batch: 460-10775		Lab File ID:	o28382.d
Dilution:	1.0			Initial Weight/Volume:	6.08 g
Date Analyzed:	07/06/2009 2358			Final Weight/Volume:	1.0 g
Date Prepared:	07/03/2009 0909				

Tentatively Identified Compounds **Number TIC's Found:** 1

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Tentatively Identified Compound		None	
1634-04-4	Methyl tert-butyl ether	2.44	10	

Client: Haley & Aldrich, Inc. Job Number: 460-3434-1

Client Sample ID: **EB-4: S3**

Lab Sample ID: 460-3434-6 Date Sampled: 07/02/2009 0810
Client Matrix: Solid % Moisture: 15.9 Date Received: 07/02/2009 1802

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 460-11657		Instrument ID:	VOAMS8
Preparation:	5035	Prep Batch: 460-10774		Lab File ID:	j86087.d
Dilution:	500			Initial Weight/Volume:	5.59 g
Date Analyzed:	07/14/2009 1337			Final Weight/Volume:	10 mL
Date Prepared:	07/03/2009 0906				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Chloromethane		1100	U	220	1100
Bromomethane		1100	U	330	1100
Vinyl chloride		1100	U	130	1100
Chloroethane		1100	U	470	1100
Methylene Chloride		1100	U	210	1100
Acetone		11000	U	2600	11000
Carbon disulfide		1100	U	160	1100
1,1-Dichloroethene		1100	U	150	1100
1,1-Dichloroethane		1100	U	110	1100
trans-1,2-Dichloroethene		1100	U	150	1100
cis-1,2-Dichloroethene		1100	U	210	1100
Chloroform		1100	U	160	1100
1,2-Dichloroethane		1100	U	260	1100
2-Butanone		11000	U	870	11000
1,1,1-Trichloroethane		1100	U	260	1100
Carbon tetrachloride		1100	U	190	1100
Bromodichloromethane		1100	U	95	1100
1,2-Dichloropropane		1100	U	93	1100
cis-1,3-Dichloropropene		1100	U	110	1100
Trichloroethene		1100	U	190	1100
Dibromochloromethane		1100	U	110	1100
1,1,2-Trichloroethane		1100	U	100	1100
Benzene		3800		130	1100
trans-1,3-Dichloropropene		1100	U	130	1100
Bromoform		1100	U	110	1100
4-Methyl-2-pentanone		11000	U	730	11000
2-Hexanone		11000	U	580	11000
Tetrachloroethene		1100	U	210	1100
1,1,2,2-Tetrachloroethane		1100	U	92	1100
Toluene		3300		100	1100
Chlorobenzene		1100	U	180	1100
Ethylbenzene		7800		260	1100
Styrene		1100	U	150	1100
Xylenes, Total		22000		460	3200

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	148	X	51 - 131
Bromofluorobenzene	117		70 - 131
Toluene-d8 (Surr)	132		51 - 138

Client: Haley & Aldrich, Inc. Job Number: 460-3434-1

Client Sample ID: **EB-4: S3**

Lab Sample ID: 460-3434-6 Date Sampled: 07/02/2009 0810
Client Matrix: Solid % Moisture: 15.9 Date Received: 07/02/2009 1802

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 460-11657		Instrument ID:	VOAMS8
Preparation:	5035	Prep Batch: 460-10774		Lab File ID:	j86087.d
Dilution:	500			Initial Weight/Volume:	5.59 g
Date Analyzed:	07/14/2009 1337			Final Weight/Volume:	10 mL
Date Prepared:	07/03/2009 0906				

Tentatively Identified Compounds **Number TIC's Found:** **10**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
108-67-8	1,3,5-Trimethylbenzene	12.70	9700	
	C13H28 Alkane	13.00	9100	T J
95-63-6	1,2,4-Trimethylbenzene	13.10	14000	
	C13H28 Alkane	13.29	11000	T J
	C9H10 Aromatic	13.80	34000	T J
	C10H12 Aromatic	14.44	8800	T J
	Coeluting Aromatics	15.69	7100	T J
91-20-3	Naphthalene	16.45	300000	E
91-57-6	Naphthalene, 2-methyl-	18.63	12000	T J N
90-12-0	Naphthalene, 1-methyl-	19.09	12000	T J N

Client: Haley & Aldrich, Inc. Job Number: 460-3434-1

Client Sample ID: **B-119: S1**

Lab Sample ID: 460-3434-1 Date Sampled: 07/02/2009 1005
Client Matrix: Solid % Moisture: 21.7 Date Received: 07/02/2009 1802

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-11297		Instrument ID:	BNAMS6
Preparation:	3541	Prep Batch: 460-10929		Lab File ID:	m44066.d
Dilution:	1.0			Initial Weight/Volume:	15.04 g
Date Analyzed:	07/09/2009 1645			Final Weight/Volume:	1 mL
Date Prepared:	07/07/2009 0700			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Bis(2-chloroethyl)ether		42	U	8.8	42
1,3-Dichlorobenzene		420	U	58	420
1,4-Dichlorobenzene		420	U	63	420
1,2-Dichlorobenzene		420	U	67	420
N-Nitrosodi-n-propylamine		42	U	5.6	42
Hexachloroethane		42	U	7.1	42
Nitrobenzene		42	U	9.4	42
Isophorone		420	U	48	420
Bis(2-chloroethoxy)methane		420	U	60	420
1,2,4-Trichlorobenzene		42	U	6.9	42
Naphthalene		420	U	62	420
4-Chloroaniline		420	U	53	420
Hexachlorobutadiene		85	U	17	85
2-Methylnaphthalene		420	U	62	420
Hexachlorocyclopentadiene		420	U	120	420
2-Chloronaphthalene		420	U	60	420
2-Nitroaniline		850	U	120	850
Dimethyl phthalate		420	U	57	420
Acenaphthylene		420	U	60	420
2,6-Dinitrotoluene		85	U	11	85
3-Nitroaniline		850	U *	95	850
Acenaphthene		420	U	60	420
Dibenzofuran		420	U	63	420
2,4-Dinitrotoluene		85	U	12	85
Diethyl phthalate		420	U	57	420
4-Chlorophenyl phenyl ether		420	U	73	420
Fluorene		420	U	71	420
4-Nitroaniline		850	U	87	850
N-Nitrosodiphenylamine		420	U	69	420
4-Bromophenyl phenyl ether		420	U	75	420
Hexachlorobenzene		42	U	5.8	42
Phenanthrene		110	J	74	420
Anthracene		420	U	74	420
Carbazole		420	U	67	420
Di-n-butyl phthalate		420	U	64	420
Fluoranthene		140	J	70	420
Pyrene		190	J	73	420
Butyl benzyl phthalate		420	U	49	420
3,3'-Dichlorobenzidine		850	U	93	850
Benzo[a]anthracene		99		7.8	42
Chrysene		150	J	61	420
Bis(2-ethylhexyl) phthalate		420	U	56	420
Di-n-octyl phthalate		420	U	50	420
Benzo[b]fluoranthene		120		6.3	42
Benzo[k]fluoranthene		130		5.9	42
Benzo[a]pyrene		150		5.2	42

Client: Haley & Aldrich, Inc. Job Number: 460-3434-1

Client Sample ID: **B-119: S1**

Lab Sample ID: 460-3434-1 Date Sampled: 07/02/2009 1005
Client Matrix: Solid % Moisture: 21.7 Date Received: 07/02/2009 1802

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-11297		Instrument ID:	BNAMS6
Preparation:	3541	Prep Batch: 460-10929		Lab File ID:	m44066.d
Dilution:	1.0			Initial Weight/Volume:	15.04 g
Date Analyzed:	07/09/2009 1645			Final Weight/Volume:	1 mL
Date Prepared:	07/07/2009 0700			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Indeno[1,2,3-cd]pyrene		52		6.7	42
Dibenz(a,h)anthracene		42	U	5.1	42
Benzo[g,h,i]perylene		59	J	44	420
bis (2-chloroisopropyl) ether		420	U	55	420

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	81		36 - 93
Nitrobenzene-d5	75		31 - 97
Terphenyl-d14	67		40 - 129

Client: Haley & Aldrich, Inc. Job Number: 460-3434-1

Client Sample ID: **B-119: S1**

Lab Sample ID: 460-3434-1 Date Sampled: 07/02/2009 1005
Client Matrix: Solid % Moisture: 21.7 Date Received: 07/02/2009 1802

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-11297		Instrument ID:	BNAMS6
Preparation:	3541	Prep Batch: 460-10929		Lab File ID:	m44066.d
Dilution:	1.0			Initial Weight/Volume:	15.04 g
Date Analyzed:	07/09/2009 1645			Final Weight/Volume:	1 mL
Date Prepared:	07/07/2009 0700			Injection Volume:	1.0 uL

Tentatively Identified Compounds **Number TIC's Found:** **1**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	12.59	360	T J

Client: Haley & Aldrich, Inc. Job Number: 460-3434-1

Client Sample ID: **B-119: S3**

Lab Sample ID: 460-3434-2 Date Sampled: 07/02/2009 1012
Client Matrix: Solid % Moisture: 18.2 Date Received: 07/02/2009 1802

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-11297		Instrument ID:	BNAMS6
Preparation:	3541	Prep Batch: 460-10929		Lab File ID:	m44068.d
Dilution:	2.0			Initial Weight/Volume:	14.97 g
Date Analyzed:	07/09/2009 1733			Final Weight/Volume:	1 mL
Date Prepared:	07/07/2009 0700			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Bis(2-chloroethyl)ether		81	U	17	81
1,3-Dichlorobenzene		810	U	110	810
1,4-Dichlorobenzene		810	U	120	810
1,2-Dichlorobenzene		810	U	130	810
N-Nitrosodi-n-propylamine		81	U	11	81
Hexachloroethane		81	U	14	81
Nitrobenzene		81	U	18	81
Isophorone		810	U	93	810
Bis(2-chloroethoxy)methane		810	U	120	810
1,2,4-Trichlorobenzene		81	U	13	81
Naphthalene		620	J	120	810
4-Chloroaniline		810	U	100	810
Hexachlorobutadiene		160	U	33	160
2-Methylnaphthalene		130	J	120	810
Hexachlorocyclopentadiene		810	U	240	810
2-Chloronaphthalene		810	U	110	810
2-Nitroaniline		1600	U	220	1600
Dimethyl phthalate		810	U	110	810
Acenaphthylene		710	J	120	810
2,6-Dinitrotoluene		160	U	21	160
3-Nitroaniline		1600	U *	180	1600
Acenaphthene		800	J	120	810
Dibenzofuran		250	J	120	810
2,4-Dinitrotoluene		160	U	24	160
Diethyl phthalate		810	U	110	810
4-Chlorophenyl phenyl ether		810	U	140	810
Fluorene		550	J	140	810
4-Nitroaniline		1600	U	170	1600
N-Nitrosodiphenylamine		810	U	130	810
4-Bromophenyl phenyl ether		810	U	140	810
Hexachlorobenzene		81	U	11	81
Phenanthrene		3600		140	810
Anthracene		1700		140	810
Carbazole		180	J	130	810
Di-n-butyl phthalate		810	U	120	810
Fluoranthene		13000		130	810
Pyrene		13000		140	810
Butyl benzyl phthalate		810	U	95	810
3,3'-Dichlorobenzidine		1600	U	180	1600
Benzo[a]anthracene		4000		15	81
Chrysene		3800		120	810
Bis(2-ethylhexyl) phthalate		810	U	110	810
Di-n-octyl phthalate		810	U	96	810
Benzo[b]fluoranthene		3300		12	81
Benzo[k]fluoranthene		5500		11	81
Benzo[a]pyrene		5400		10	81

Client: Haley & Aldrich, Inc. Job Number: 460-3434-1

Client Sample ID: **B-119: S3**

Lab Sample ID: 460-3434-2 Date Sampled: 07/02/2009 1012
Client Matrix: Solid % Moisture: 18.2 Date Received: 07/02/2009 1802

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-11297		Instrument ID:	BNAMS6
Preparation:	3541	Prep Batch: 460-10929		Lab File ID:	m44068.d
Dilution:	2.0			Initial Weight/Volume:	14.97 g
Date Analyzed:	07/09/2009 1733			Final Weight/Volume:	1 mL
Date Prepared:	07/07/2009 0700			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Indeno[1,2,3-cd]pyrene		1300		13	81
Dibenz(a,h)anthracene		81	U	9.7	81
Benzo[g,h,i]perylene		1400		85	810
bis (2-chloroisopropyl) ether		810	U	110	810

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	67		36 - 93
Nitrobenzene-d5	64		31 - 97
Terphenyl-d14	51		40 - 129

Client: Haley & Aldrich, Inc. Job Number: 460-3434-1

Client Sample ID: **B-119: S3**

Lab Sample ID: 460-3434-2 Date Sampled: 07/02/2009 1012
Client Matrix: Solid % Moisture: 18.2 Date Received: 07/02/2009 1802

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-11297		Instrument ID:	BNAMS6
Preparation:	3541	Prep Batch: 460-10929		Lab File ID:	m44068.d
Dilution:	2.0			Initial Weight/Volume:	14.97 g
Date Analyzed:	07/09/2009 1733			Final Weight/Volume:	1 mL
Date Prepared:	07/07/2009 0700			Injection Volume:	1.0 uL

Tentatively Identified Compounds **Number TIC's Found:** **8**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	C15H10 PAH	11.24	1700	T J
	C16H12 PAH	11.39	880	T J
	C16H10 PAH	11.93	810	T J
	C17H12 PAH	12.39	790	T J
	Unknown	14.56	1100	T J
	C20H12 PAH	14.90	1500	T J
	C20H12 PAH	15.15	3400	T J
	C20H12 PAH	15.34	2100	T J

Client: Haley & Aldrich, Inc. Job Number: 460-3434-1

Client Sample ID: **B-125: S1**

Lab Sample ID: 460-3434-3 Date Sampled: 07/02/2009 1030
Client Matrix: Solid % Moisture: 12.5 Date Received: 07/02/2009 1802

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-11297		Instrument ID:	BNAMS6
Preparation:	3541	Prep Batch: 460-10929		Lab File ID:	m44072.d
Dilution:	1.0			Initial Weight/Volume:	15.04 g
Date Analyzed:	07/09/2009 1911			Final Weight/Volume:	1 mL
Date Prepared:	07/07/2009 0700			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Bis(2-chloroethyl)ether		38	U	7.9	38
1,3-Dichlorobenzene		380	U	52	380
1,4-Dichlorobenzene		380	U	56	380
1,2-Dichlorobenzene		380	U	60	380
N-Nitrosodi-n-propylamine		38	U	5.0	38
Hexachloroethane		38	U	6.4	38
Nitrobenzene		38	U	8.4	38
Isophorone		380	U	43	380
Bis(2-chloroethoxy)methane		380	U	54	380
1,2,4-Trichlorobenzene		38	U	6.2	38
Naphthalene		290	J	55	380
4-Chloroaniline		380	U	47	380
Hexachlorobutadiene		76	U	15	76
2-Methylnaphthalene		170	J	55	380
Hexachlorocyclopentadiene		380	U	110	380
2-Chloronaphthalene		380	U	53	380
2-Nitroaniline		760	U	100	760
Dimethyl phthalate		380	U	51	380
Acenaphthylene		1600		54	380
2,6-Dinitrotoluene		76	U	9.6	76
3-Nitroaniline		760	U *	85	760
Acenaphthene		91	J	54	380
Dibenzofuran		60	J	57	380
2,4-Dinitrotoluene		76	U	11	76
Diethyl phthalate		380	U	51	380
4-Chlorophenyl phenyl ether		380	U	65	380
Fluorene		250	J	64	380
4-Nitroaniline		760	U	78	760
N-Nitrosodiphenylamine		380	U	61	380
4-Bromophenyl phenyl ether		380	U	67	380
Hexachlorobenzene		38	U	5.2	38
Phenanthrene		380	J	66	380
Anthracene		220	J	67	380
Carbazole		380	U	60	380
Di-n-butyl phthalate		380	U	58	380
Fluoranthene		540		63	380
Pyrene		870		65	380
Butyl benzyl phthalate		270	J	44	380
3,3'-Dichlorobenzidine		760	U	83	760
Benzo[a]anthracene		580		7.0	38
Chrysene		590		55	380
Bis(2-ethylhexyl) phthalate		380	U	50	380
Di-n-octyl phthalate		380	U	45	380
Benzo[b]fluoranthene		940		5.6	38
Benzo[k]fluoranthene		1300		5.3	38
Benzo[a]pyrene		1300		4.6	38

Client: Haley & Aldrich, Inc. Job Number: 460-3434-1

Client Sample ID: **B-125: S1**

Lab Sample ID: 460-3434-3 Date Sampled: 07/02/2009 1030
Client Matrix: Solid % Moisture: 12.5 Date Received: 07/02/2009 1802

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-11297		Instrument ID:	BNAMS6
Preparation:	3541	Prep Batch: 460-10929		Lab File ID:	m44072.d
Dilution:	1.0			Initial Weight/Volume:	15.04 g
Date Analyzed:	07/09/2009 1911			Final Weight/Volume:	1 mL
Date Prepared:	07/07/2009 0700			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Indeno[1,2,3-cd]pyrene		530		6.0	38
Dibenz(a,h)anthracene		190		4.5	38
Benzo[g,h,i]perylene		500		40	380
bis (2-chloroisopropyl) ether		380	U	49	380

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	76		36 - 93
Nitrobenzene-d5	71		31 - 97
Terphenyl-d14	79		40 - 129

Client: Haley & Aldrich, Inc. Job Number: 460-3434-1

Client Sample ID: **B-125: S1**

Lab Sample ID: 460-3434-3 Date Sampled: 07/02/2009 1030
Client Matrix: Solid % Moisture: 12.5 Date Received: 07/02/2009 1802

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-11297		Instrument ID:	BNAMS6
Preparation:	3541	Prep Batch: 460-10929		Lab File ID:	m44072.d
Dilution:	1.0			Initial Weight/Volume:	15.04 g
Date Analyzed:	07/09/2009 1911			Final Weight/Volume:	1 mL
Date Prepared:	07/07/2009 0700			Injection Volume:	1.0 uL

Tentatively Identified Compounds **Number TIC's Found:** **15**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
100-42-5	Styrene	4.69	740	T J N
	C9H10 Aromatic	5.71	810	T J
	Unknown	5.74	710	T J
	C9H8 Aromatic	6.20	720	T J
	C10H10 Aromatic	7.01	700	T J
	C10H10 Aromatic	7.08	1200	T J
	Ethyldimethylbenzene isomer	7.50	430	T J
	Unknown	7.81	500	T J
	C12H10 PAH	8.71	410	T J
	C12H10 PAH	8.80	700	T J
	Unknown	9.39	400	T J
	C13H10 PAH	9.84	460	T J
	Unknown	10.12	590	T J
	Unknown	12.60	680	T J
	C20H12 PAH	15.15	1100	T J

Client: Haley & Aldrich, Inc. Job Number: 460-3434-1

Client Sample ID: **B-125: S5**

Lab Sample ID: 460-3434-4 Date Sampled: 07/02/2009 1113
Client Matrix: Solid % Moisture: 17.1 Date Received: 07/02/2009 1802

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-11532		Instrument ID:	BNAMS6
Preparation:	3541	Prep Batch: 460-10929		Lab File ID:	m44115.d
Dilution:	5.0			Initial Weight/Volume:	15.03 g
Date Analyzed:	07/10/2009 2249			Final Weight/Volume:	1 mL
Date Prepared:	07/07/2009 0700			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Bis(2-chloroethyl)ether		200	U	41	200
1,3-Dichlorobenzene		2000	U	270	2000
1,4-Dichlorobenzene		2000	U	300	2000
1,2-Dichlorobenzene		2000	U	320	2000
N-Nitrosodi-n-propylamine		200	U	26	200
Hexachloroethane		200	U	34	200
Nitrobenzene		200	U	45	200
Isophorone		2000	U	230	2000
Bis(2-chloroethoxy)methane		2000	U	280	2000
1,2,4-Trichlorobenzene		200	U	33	200
Naphthalene		8800		290	2000
4-Chloroaniline		2000	U	250	2000
Hexachlorobutadiene		400	U	81	400
2-Methylnaphthalene		12000		290	2000
Hexachlorocyclopentadiene		2000	U	580	2000
2-Chloronaphthalene		2000	U	280	2000
2-Nitroaniline		4000	U	540	4000
Dimethyl phthalate		2000	U	270	2000
Acenaphthylene		2300		280	2000
2,6-Dinitrotoluene		400	U	51	400
3-Nitroaniline		4000	U *	450	4000
Acenaphthene		11000		280	2000
Dibenzofuran		920	J	300	2000
2,4-Dinitrotoluene		400	U	58	400
Diethyl phthalate		2000	U	270	2000
4-Chlorophenyl phenyl ether		2000	U	340	2000
Fluorene		7600		340	2000
4-Nitroaniline		4000	U	410	4000
N-Nitrosodiphenylamine		2000	U	320	2000
4-Bromophenyl phenyl ether		2000	U	350	2000
Hexachlorobenzene		200	U	28	200
Phenanthrene		26000		350	2000
Anthracene		7900		350	2000
Carbazole		390	J	320	2000
Di-n-butyl phthalate		2000	U	300	2000
Fluoranthene		10000		330	2000
Pyrene		14000		340	2000
Butyl benzyl phthalate		480	J	230	2000
3,3'-Dichlorobenzidine		4000	U	440	4000
Benzo[a]anthracene		6000		37	200
Chrysene		5800		290	2000
Bis(2-ethylhexyl) phthalate		2000	U	260	2000
Di-n-octyl phthalate		2000	U	240	2000
Benzo[b]fluoranthene		3000		30	200
Benzo[k]fluoranthene		4800		28	200
Benzo[a]pyrene		7200		25	200

Client: Haley & Aldrich, Inc. Job Number: 460-3434-1

Client Sample ID: **B-125: S5**

Lab Sample ID: 460-3434-4 Date Sampled: 07/02/2009 1113
Client Matrix: Solid % Moisture: 17.1 Date Received: 07/02/2009 1802

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-11532		Instrument ID:	BNAMS6
Preparation:	3541	Prep Batch: 460-10929		Lab File ID:	m44115.d
Dilution:	5.0			Initial Weight/Volume:	15.03 g
Date Analyzed:	07/10/2009 2249			Final Weight/Volume:	1 mL
Date Prepared:	07/07/2009 0700			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Indeno[1,2,3-cd]pyrene		2500		32	200
Dibenz(a,h)anthracene		200	U	24	200
Benzo[g,h,i]perylene		2500		210	2000
bis (2-chloroisopropyl) ether		2000	U	260	2000

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	81		36 - 93
Nitrobenzene-d5	83		31 - 97
Terphenyl-d14	51		40 - 129

Client: Haley & Aldrich, Inc. Job Number: 460-3434-1

Client Sample ID: **B-125: S5**

Lab Sample ID: 460-3434-4 Date Sampled: 07/02/2009 1113
Client Matrix: Solid % Moisture: 17.1 Date Received: 07/02/2009 1802

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-11532		Instrument ID:	BNAMS6
Preparation:	3541	Prep Batch: 460-10929		Lab File ID:	m44115.d
Dilution:	5.0			Initial Weight/Volume:	15.03 g
Date Analyzed:	07/10/2009 2249			Final Weight/Volume:	1 mL
Date Prepared:	07/07/2009 0700			Injection Volume:	1.0 uL

Tentatively Identified Compounds **Number TIC's Found:** **15**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
90-12-0	1-Methylnaphthalene	7.86	14000	
	Dimethylnaphthalene isomer	8.38	7100	T J
	Dimethylnaphthalene isomer	8.47	10000	T J
	Unknown	8.50	5200	T J
	Dimethylnaphthalene isomer	8.59	4600	T J
	Trimethylnaphthalene isomer	9.15	4600	T J
	Trimethylnaphthalene isomer	9.47	5400	T J
	Unknown	9.51	5000	T J
	C14H12 PAH	9.92	4800	T J
	C15H12 PAH	10.83	5900	T J
	C15H12 PAH	10.86	7200	T J
	C15H12 PAH	10.89	4000	T J
	C15H12 PAH	10.95	16000	T J
	C16H14 PAH	11.39	4100	T J
	C20H12 PAH	14.74	4200	T J

Client: Haley & Aldrich, Inc. Job Number: 460-3434-1

Client Sample ID: **EB-4: S1**

Lab Sample ID: 460-3434-5 Date Sampled: 07/02/2009 0754
Client Matrix: Solid % Moisture: 12.7 Date Received: 07/02/2009 1802

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-11532		Instrument ID:	BNAMS6
Preparation:	3541	Prep Batch: 460-10929		Lab File ID:	m44116.d
Dilution:	1.0			Initial Weight/Volume:	15.00 g
Date Analyzed:	07/10/2009 2313			Final Weight/Volume:	1 mL
Date Prepared:	07/07/2009 0700			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Bis(2-chloroethyl)ether		38	U	7.9	38
1,3-Dichlorobenzene		380	U	52	380
1,4-Dichlorobenzene		380	U	57	380
1,2-Dichlorobenzene		380	U	61	380
N-Nitrosodi-n-propylamine		38	U	5.0	38
Hexachloroethane		38	U	6.4	38
Nitrobenzene		38	U	8.5	38
Isophorone		380	U	44	380
Bis(2-chloroethoxy)methane		380	U	54	380
1,2,4-Trichlorobenzene		38	U	6.2	38
Naphthalene		150	J	55	380
4-Chloroaniline		380	U	48	380
Hexachlorobutadiene		77	U	15	77
2-Methylnaphthalene		380	U	55	380
Hexachlorocyclopentadiene		380	U	110	380
2-Chloronaphthalene		380	U	53	380
2-Nitroaniline		770	U	100	770
Dimethyl phthalate		380	U	51	380
Acenaphthylene		250	J	54	380
2,6-Dinitrotoluene		77	U	9.6	77
3-Nitroaniline		770	U *	86	770
Acenaphthene		380	U	54	380
Dibenzofuran		380	U	57	380
2,4-Dinitrotoluene		77	U	11	77
Diethyl phthalate		380	U	51	380
4-Chlorophenyl phenyl ether		380	U	65	380
Fluorene		380	U	64	380
4-Nitroaniline		770	U	78	770
N-Nitrosodiphenylamine		380	U	62	380
4-Bromophenyl phenyl ether		380	U	67	380
Hexachlorobenzene		38	U	5.3	38
Phenanthrene		79	J	66	380
Anthracene		380	U	67	380
Carbazole		380	U	60	380
Di-n-butyl phthalate		380	U	58	380
Fluoranthene		120	J	63	380
Pyrene		150	J	66	380
Butyl benzyl phthalate		380	U	44	380
3,3'-Dichlorobenzidine		770	U	84	770
Benzo[a]anthracene		84		7.0	38
Chrysene		110	J	55	380
Bis(2-ethylhexyl) phthalate		380	U	50	380
Di-n-octyl phthalate		380	U	45	380
Benzo[b]fluoranthene		74		5.6	38
Benzo[k]fluoranthene		120		5.3	38
Benzo[a]pyrene		120		4.7	38

Client: Haley & Aldrich, Inc. Job Number: 460-3434-1

Client Sample ID: **EB-4: S1**

Lab Sample ID: 460-3434-5 Date Sampled: 07/02/2009 0754
Client Matrix: Solid % Moisture: 12.7 Date Received: 07/02/2009 1802

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-11532		Instrument ID:	BNAMS6
Preparation:	3541	Prep Batch: 460-10929		Lab File ID:	m44116.d
Dilution:	1.0			Initial Weight/Volume:	15.00 g
Date Analyzed:	07/10/2009 2313			Final Weight/Volume:	1 mL
Date Prepared:	07/07/2009 0700			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Indeno[1,2,3-cd]pyrene		75		6.1	38
Dibenz(a,h)anthracene		38	U	4.6	38
Benzo[g,h,i]perylene		89	J	40	380
bis (2-chloroisopropyl) ether		380	U	50	380

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	71		36 - 93
Nitrobenzene-d5	70		31 - 97
Terphenyl-d14	56		40 - 129

Client: Haley & Aldrich, Inc. Job Number: 460-3434-1

Client Sample ID: **EB-4: S1**

Lab Sample ID: 460-3434-5 Date Sampled: 07/02/2009 0754
Client Matrix: Solid % Moisture: 12.7 Date Received: 07/02/2009 1802

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-11532		Instrument ID:	BNAMS6
Preparation:	3541	Prep Batch: 460-10929		Lab File ID:	m44116.d
Dilution:	1.0			Initial Weight/Volume:	15.00 g
Date Analyzed:	07/10/2009 2313			Final Weight/Volume:	1 mL
Date Prepared:	07/07/2009 0700			Injection Volume:	1.0 uL

Tentatively Identified Compounds **Number TIC's Found:** **8**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
100-42-5	Styrene	4.38	520	T J N
	C9H10 Aromatic	5.43	700	T J
	Unknown	5.46	590	T J
	C9H8 Aromatic	5.91	410	T J
	C10H12 Aromatic	6.28	350	T J
	C10H10 Aromatic	6.73	370	T J
	C10H10 Aromatic	6.79	590	T J
	Unknown	12.32	390	T J

Client: Haley & Aldrich, Inc. Job Number: 460-3434-1

Client Sample ID: **EB-4: S3**

Lab Sample ID: 460-3434-6 Date Sampled: 07/02/2009 0810
Client Matrix: Solid % Moisture: 15.9 Date Received: 07/02/2009 1802

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-11632		Instrument ID:	BNAMS6
Preparation:	3541	Prep Batch: 460-10929		Lab File ID:	m44127.d
Dilution:	500			Initial Weight/Volume:	15.01 g
Date Analyzed:	07/12/2009 1523			Final Weight/Volume:	1 mL
Date Prepared:	07/07/2009 0700			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Bis(2-chloroethyl)ether		20000	U	4100	20000
1,3-Dichlorobenzene		200000	U	27000	200000
1,4-Dichlorobenzene		200000	U	29000	200000
1,2-Dichlorobenzene		200000	U	31000	200000
N-Nitrosodi-n-propylamine		20000	U	2600	20000
Hexachloroethane		20000	U	3300	20000
Nitrobenzene		20000	U	4400	20000
Isophorone		200000	U	23000	200000
Bis(2-chloroethoxy)methane		200000	U	28000	200000
1,2,4-Trichlorobenzene		20000	U	3200	20000
Naphthalene		2200000		29000	200000
4-Chloroaniline		200000	U	25000	200000
Hexachlorobutadiene		40000	U	8000	40000
2-Methylnaphthalene		490000		29000	200000
Hexachlorocyclopentadiene		200000	U	57000	200000
2-Chloronaphthalene		200000	U	28000	200000
2-Nitroaniline		400000	U	54000	400000
Dimethyl phthalate		200000	U	27000	200000
Acenaphthylene		45000	J	28000	200000
2,6-Dinitrotoluene		40000	U	5000	40000
3-Nitroaniline		400000	U *	44000	400000
Acenaphthene		120000	J	28000	200000
Dibenzofuran		200000	U	30000	200000
2,4-Dinitrotoluene		40000	U	5700	40000
Diethyl phthalate		200000	U	26000	200000
4-Chlorophenyl phenyl ether		200000	U	34000	200000
Fluorene		100000	J	33000	200000
4-Nitroaniline		400000	U	41000	400000
N-Nitrosodiphenylamine		200000	U	32000	200000
4-Bromophenyl phenyl ether		200000	U	35000	200000
Hexachlorobenzene		20000	U	2700	20000
Phenanthrene		220000		34000	200000
Anthracene		72000	J	35000	200000
Carbazole		200000	U	31000	200000
Di-n-butyl phthalate		200000	U	30000	200000
Fluoranthene		45000	J	33000	200000
Pyrene		76000	J	34000	200000
Butyl benzyl phthalate		200000	U	23000	200000
3,3'-Dichlorobenzidine		400000	U	43000	400000
Benzo[a]anthracene		22000		3600	20000
Chrysene		200000	U	29000	200000
Bis(2-ethylhexyl) phthalate		200000	U	26000	200000
Di-n-octyl phthalate		200000	U	23000	200000
Benzo[b]fluoranthene		4800	J	2900	20000
Benzo[k]fluoranthene		20000	U	2800	20000
Benzo[a]pyrene		18000	J	2400	20000

Client: Haley & Aldrich, Inc. Job Number: 460-3434-1

Client Sample ID: **EB-4: S3**

Lab Sample ID: 460-3434-6 Date Sampled: 07/02/2009 0810
Client Matrix: Solid % Moisture: 15.9 Date Received: 07/02/2009 1802

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-11632		Instrument ID:	BNAMS6
Preparation:	3541	Prep Batch: 460-10929		Lab File ID:	m44127.d
Dilution:	500			Initial Weight/Volume:	15.01 g
Date Analyzed:	07/12/2009 1523			Final Weight/Volume:	1 mL
Date Prepared:	07/07/2009 0700			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Indeno[1,2,3-cd]pyrene		20000	U	3100	20000
Dibenz(a,h)anthracene		20000	U	2400	20000
Benzo[g,h,i]perylene		200000	U	21000	200000
bis (2-chloroisopropyl) ether		200000	U	26000	200000

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	0	D	36 - 93
Nitrobenzene-d5	0	D	31 - 97
Terphenyl-d14	0	D	40 - 129

Client: Haley & Aldrich, Inc. Job Number: 460-3434-1

Client Sample ID: **EB-4: S3**

Lab Sample ID: 460-3434-6 Date Sampled: 07/02/2009 0810
Client Matrix: Solid % Moisture: 15.9 Date Received: 07/02/2009 1802

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-11632		Instrument ID:	BNAMS6
Preparation:	3541	Prep Batch: 460-10929		Lab File ID:	m44127.d
Dilution:	500			Initial Weight/Volume:	15.01 g
Date Analyzed:	07/12/2009 1523			Final Weight/Volume:	1 mL
Date Prepared:	07/07/2009 0700			Injection Volume:	1.0 uL

Tentatively Identified Compounds **Number TIC's Found:** **2**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
496-11-7	Indane	5.82	310000	T J N
90-12-0	1-Methylnaphthalene	7.84	360000	

Client: Haley & Aldrich, Inc. Job Number: 460-3434-1

Client Sample ID: **B-119: S1**

Lab Sample ID: 460-3434-1 Date Sampled: 07/02/2009 1005
Client Matrix: Solid % Moisture: 21.7 Date Received: 07/02/2009 1802

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 460-11656		Instrument ID:	PESTGC1
Preparation:	3541	Prep Batch: 460-10971		Initial Weight/Volume:	15.02 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	07/13/2009 1644			Injection Volume:	1.0 uL
Date Prepared:	07/07/2009 1200			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aldrin		8.5	U	1.9	8.5
alpha-BHC		8.5	U	1.6	8.5
beta-BHC		8.5	U	1.2	8.5
delta-BHC		8.5	U	1.3	8.5
gamma-BHC (Lindane)		8.5	U	1.0	8.5
Chlordane		85	U	19	85
4,4'-DDD		8.5	U	1.0	8.5
4,4'-DDE		2.9	J	1.7	8.5
4,4'-DDT		7.5	J	1.1	8.5
Dieldrin		8.5	U	1.6	8.5
Endosulfan I		8.5	U	1.8	8.5
Endosulfan II		2.6	J p	1.3	8.5
Endosulfan sulfate		8.5	U	1.1	8.5
Endrin		8.5	U	1.2	8.5
Endrin aldehyde		8.8		2.1	8.5
Endrin ketone		8.5	U	1.3	8.5
Heptachlor		8.5	U	1.2	8.5
Heptachlor epoxide		8.5	U	1.7	8.5
Methoxychlor		8.5	U	0.96	8.5
Toxaphene		85	U	18	85

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	70		26 - 126
DCB Decachlorobiphenyl	96		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-3434-1

Client Sample ID: **B-119: S1**

Lab Sample ID: 460-3434-1 Date Sampled: 07/02/2009 1005
Client Matrix: Solid % Moisture: 21.7 Date Received: 07/02/2009 1802

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 460-11656	Instrument ID:	PESTGC1
Preparation:	3541	Prep Batch: 460-10971	Initial Weight/Volume:	15.02 g
Dilution:	1.0		Final Weight/Volume:	10 mL
Date Analyzed:	07/13/2009 1644		Injection Volume:	1.0 uL
Date Prepared:	07/07/2009 1200		Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	65		26 - 126
DCB Decachlorobiphenyl	77		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-3434-1

Client Sample ID: **B-119: S3**

Lab Sample ID: 460-3434-2 Date Sampled: 07/02/2009 1012
Client Matrix: Solid % Moisture: 18.2 Date Received: 07/02/2009 1802

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 460-11656		Instrument ID:	PESTGC1
Preparation:	3541	Prep Batch: 460-10971		Initial Weight/Volume:	14.99 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	07/13/2009 1657			Injection Volume:	1.0 uL
Date Prepared:	07/07/2009 1200			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aldrin		8.2	U	1.8	8.2
alpha-BHC		8.2	U	1.5	8.2
beta-BHC		8.2	U	1.1	8.2
delta-BHC		8.2	U	1.2	8.2
gamma-BHC (Lindane)		8.2	U	0.95	8.2
Chlordane		82	U	18	82
4,4'-DDD		1.8	J p	0.98	8.2
4,4'-DDE		8.2	U	1.6	8.2
4,4'-DDT		2.7	J	1.0	8.2
Dieldrin		8.2	U	1.6	8.2
Endosulfan I		8.2	U	1.7	8.2
Endosulfan II		2.6	J	1.2	8.2
Endosulfan sulfate		8.2	U	1.1	8.2
Endrin		8.2	U	1.1	8.2
Endrin aldehyde		3.1	J p	2.0	8.2
Endrin ketone		2.6	J	1.2	8.2
Heptachlor		8.2	U	1.2	8.2
Heptachlor epoxide		8.2	U	1.7	8.2
Methoxychlor		3.0	J p	0.92	8.2
Toxaphene		82	U	17	82

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	72		26 - 126
DCB Decachlorobiphenyl	66	p	48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-3434-1

Client Sample ID: **B-119: S3**

Lab Sample ID: 460-3434-2 Date Sampled: 07/02/2009 1012
Client Matrix: Solid % Moisture: 18.2 Date Received: 07/02/2009 1802

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 460-11656	Instrument ID:	PESTGC1
Preparation:	3541	Prep Batch: 460-10971	Initial Weight/Volume:	14.99 g
Dilution:	1.0		Final Weight/Volume:	10 mL
Date Analyzed:	07/13/2009 1657		Injection Volume:	1.0 uL
Date Prepared:	07/07/2009 1200		Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	69		26 - 126
DCB Decachlorobiphenyl	115		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-3434-1

Client Sample ID: **B-125: S1**

Lab Sample ID: 460-3434-3 Date Sampled: 07/02/2009 1030
Client Matrix: Solid % Moisture: 12.5 Date Received: 07/02/2009 1802

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 460-11656		Instrument ID:	PESTGC1
Preparation:	3541	Prep Batch: 460-10971		Initial Weight/Volume:	15.00 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	07/13/2009 1711			Injection Volume:	1.0 uL
Date Prepared:	07/07/2009 1200			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aldrin		7.7	U	1.7	7.7
alpha-BHC		7.7	U	1.4	7.7
beta-BHC		7.7	U	1.0	7.7
delta-BHC		7.7	U	1.2	7.7
gamma-BHC (Lindane)		7.7	U	0.89	7.7
Chlordane		77	U	17	77
4,4'-DDD		7.7	U	0.91	7.7
4,4'-DDE		7.7	U	1.5	7.7
4,4'-DDT		7.7	U	0.96	7.7
Dieldrin		7.7	U	1.5	7.7
Endosulfan I		7.7	U	1.6	7.7
Endosulfan II		2.1	J p	1.2	7.7
Endosulfan sulfate		7.7	U	0.98	7.7
Endrin		7.7	U	1.1	7.7
Endrin aldehyde		3.6	J	1.9	7.7
Endrin ketone		7.7	U	1.1	7.7
Heptachlor		7.7	U	1.1	7.7
Heptachlor epoxide		7.7	U	1.5	7.7
Methoxychlor		7.7	U	0.86	7.7
Toxaphene		77	U	16	77

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	44		26 - 126
DCB Decachlorobiphenyl	53	p	48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-3434-1

Client Sample ID: **B-125: S1**

Lab Sample ID: 460-3434-3 Date Sampled: 07/02/2009 1030
Client Matrix: Solid % Moisture: 12.5 Date Received: 07/02/2009 1802

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 460-11656	Instrument ID:	PESTGC1
Preparation:	3541	Prep Batch: 460-10971	Initial Weight/Volume:	15.00 g
Dilution:	1.0		Final Weight/Volume:	10 mL
Date Analyzed:	07/13/2009 1711		Injection Volume:	1.0 uL
Date Prepared:	07/07/2009 1200		Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	42		26 - 126
DCB Decachlorobiphenyl	90		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-3434-1

Client Sample ID: **B-125: S5**

Lab Sample ID: 460-3434-4 Date Sampled: 07/02/2009 1113
Client Matrix: Solid % Moisture: 17.1 Date Received: 07/02/2009 1802

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 460-11656		Instrument ID:	PESTGC1
Preparation:	3541	Prep Batch: 460-10971		Initial Weight/Volume:	14.99 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	07/13/2009 1725			Injection Volume:	1.0 uL
Date Prepared:	07/07/2009 1200			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aldrin		8.1	U	1.8	8.1
alpha-BHC		8.1	U	1.5	8.1
beta-BHC		6.2	J p	1.1	8.1
delta-BHC		2.2	J p	1.2	8.1
gamma-BHC (Lindane)		1.5	J p	0.94	8.1
Chlordane		81	U	18	81
4,4'-DDD		8.1	U	0.97	8.1
4,4'-DDE		6.7	J	1.6	8.1
4,4'-DDT		47	p	1.0	8.1
Dieldrin		8.1	U	1.6	8.1
Endosulfan I		8.1	U	1.7	8.1
Endosulfan II		28	p	1.2	8.1
Endosulfan sulfate		18	p	1.0	8.1
Endrin		8.1	U	1.1	8.1
Endrin aldehyde		45	p	2.0	8.1
Endrin ketone		27	p	1.2	8.1
Heptachlor		1.9	J p	1.2	8.1
Heptachlor epoxide		8.1	U	1.6	8.1
Methoxychlor		71		0.91	8.1
Toxaphene		81	U	17	81

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	84		26 - 126
DCB Decachlorobiphenyl	137	p	48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-3434-1

Client Sample ID: **B-125: S5**

Lab Sample ID: 460-3434-4 Date Sampled: 07/02/2009 1113
Client Matrix: Solid % Moisture: 17.1 Date Received: 07/02/2009 1802

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 460-11656	Instrument ID:	PESTGC1
Preparation:	3541	Prep Batch: 460-10971	Initial Weight/Volume:	14.99 g
Dilution:	1.0		Final Weight/Volume:	10 mL
Date Analyzed:	07/13/2009 1725		Injection Volume:	1.0 uL
Date Prepared:	07/07/2009 1200		Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	83		26 - 126
DCB Decachlorobiphenyl	561	E X	48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-3434-1

Client Sample ID: **EB-4: S1**

Lab Sample ID: 460-3434-5 Date Sampled: 07/02/2009 0754
Client Matrix: Solid % Moisture: 12.7 Date Received: 07/02/2009 1802

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 460-11656		Instrument ID:	PESTGC1
Preparation:	3541	Prep Batch: 460-10971		Initial Weight/Volume:	15.03 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	07/13/2009 1739			Injection Volume:	1.0 uL
Date Prepared:	07/07/2009 1200			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aldrin		7.7	U	1.7	7.7
alpha-BHC		7.7	U	1.4	7.7
beta-BHC		7.7	U	1.0	7.7
delta-BHC		7.7	U	1.2	7.7
gamma-BHC (Lindane)		3.6	J	0.89	7.7
Chlordane		77	U	17	77
4,4'-DDD		7.7	U	0.91	7.7
4,4'-DDE		3.6	J p	1.5	7.7
4,4'-DDT		3.7	J p	0.96	7.7
Dieldrin		7.7	U	1.5	7.7
Endosulfan I		7.7	U	1.6	7.7
Endosulfan II		1.9	J p	1.2	7.7
Endosulfan sulfate		2.8	J p	0.98	7.7
Endrin		7.7	U	1.1	7.7
Endrin aldehyde		7.7	U	1.9	7.7
Endrin ketone		7.7	U	1.1	7.7
Heptachlor		1.3	J	1.1	7.7
Heptachlor epoxide		7.7	U	1.5	7.7
Methoxychlor		4.2	J	0.86	7.7
Toxaphene		77	U	16	77

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	116		26 - 126
DCB Decachlorobiphenyl	140		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-3434-1

Client Sample ID: **EB-4: S1**

Lab Sample ID: 460-3434-5 Date Sampled: 07/02/2009 0754
Client Matrix: Solid % Moisture: 12.7 Date Received: 07/02/2009 1802

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 460-11656	Instrument ID:	PESTGC1
Preparation:	3541	Prep Batch: 460-10971	Initial Weight/Volume:	15.03 g
Dilution:	1.0		Final Weight/Volume:	10 mL
Date Analyzed:	07/13/2009 1739		Injection Volume:	1.0 uL
Date Prepared:	07/07/2009 1200		Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	98		26 - 126
DCB Decachlorobiphenyl	108		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-3434-1

Client Sample ID: **EB-4: S3**

Lab Sample ID: 460-3434-6 Date Sampled: 07/02/2009 0810
Client Matrix: Solid % Moisture: 15.9 Date Received: 07/02/2009 1802

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 460-11754		Instrument ID:	PESTGC5
Preparation:	3541	Prep Batch: 460-11675		Initial Weight/Volume:	14.99 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	07/15/2009 0604			Injection Volume:	1.0 uL
Date Prepared:	07/14/2009 1931			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aldrin		8.0	U	1.7	8.0
alpha-BHC		8.0	U	1.5	8.0
beta-BHC		7.1	J	1.1	8.0
delta-BHC		8.0	U	1.2	8.0
gamma-BHC (Lindane)		8.0	U	0.93	8.0
Chlordane		80	U	17	80
4,4'-DDD		28	p	0.95	8.0
4,4'-DDE		5.8	J p	1.5	8.0
4,4'-DDT		110		1.0	8.0
Dieldrin		4.9	J p	1.5	8.0
Endosulfan I		8.0	U	1.7	8.0
Endosulfan II		3.9	J p	1.2	8.0
Endosulfan sulfate		50		1.0	8.0
Endrin		8.0	U	1.1	8.0
Endrin aldehyde		20	p	2.0	8.0
Endrin ketone		15	p	1.2	8.0
Heptachlor		8.0	U	1.1	8.0
Heptachlor epoxide		8.0	U	1.6	8.0
Methoxychlor		33		0.89	8.0
Toxaphene		80	U	17	80

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	63		26 - 126
DCB Decachlorobiphenyl	88	p	48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-3434-1

Client Sample ID: **EB-4: S3**

Lab Sample ID: 460-3434-6 Date Sampled: 07/02/2009 0810
Client Matrix: Solid % Moisture: 15.9 Date Received: 07/02/2009 1802

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 460-11754	Instrument ID:	PESTGC5
Preparation:	3541	Prep Batch: 460-11675	Initial Weight/Volume:	14.99 g
Dilution:	1.0		Final Weight/Volume:	10 mL
Date Analyzed:	07/15/2009 0604		Injection Volume:	1.0 uL
Date Prepared:	07/14/2009 1931		Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	56		26 - 126
DCB Decachlorobiphenyl	435	E X	48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-3434-1

Client Sample ID: **B-119: S1**

Lab Sample ID: 460-3434-1 Date Sampled: 07/02/2009 1005
Client Matrix: Solid % Moisture: 21.7 Date Received: 07/02/2009 1802

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 460-11215		Instrument ID:	PESTGC7
Preparation:	3541	Prep Batch: 460-10919		Initial Weight/Volume:	15.02 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	07/08/2009 0454			Injection Volume:	1.0 uL
Date Prepared:	07/07/2009 0720			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		85	U	16	85
Aroclor 1221		85	U	26	85
Aroclor 1232		85	U	48	85
Aroclor 1242		85	U	16	85
Aroclor 1248		85	U	23	85
Aroclor 1254		85	U	29	85
Aroclor 1260		85	U	9.5	85
Aroclor 1262		85	U	15	85
Aroclor 1268		85	U	15	85

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	75		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-3434-1

Client Sample ID: **B-119: S1**

Lab Sample ID: 460-3434-1 Date Sampled: 07/02/2009 1005
Client Matrix: Solid % Moisture: 21.7 Date Received: 07/02/2009 1802

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 460-11215		Instrument ID:	PESTGC7
Preparation:	3541	Prep Batch: 460-10919		Initial Weight/Volume:	15.02 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	07/08/2009 0454			Injection Volume:	1.0 uL
Date Prepared:	07/07/2009 0720			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	67		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-3434-1

Client Sample ID: **B-119: S3**

Lab Sample ID: 460-3434-2 Date Sampled: 07/02/2009 1012
Client Matrix: Solid % Moisture: 18.2 Date Received: 07/02/2009 1802

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 460-11215		Instrument ID:	PESTGC7
Preparation:	3541	Prep Batch: 460-10919		Initial Weight/Volume:	15.04 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	07/08/2009 0510			Injection Volume:	1.0 uL
Date Prepared:	07/07/2009 0720			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		82	U	16	82
Aroclor 1221		82	U	25	82
Aroclor 1232		82	U	46	82
Aroclor 1242		82	U	15	82
Aroclor 1248		82	U	22	82
Aroclor 1254		82	U	28	82
Aroclor 1260		82	U	9.1	82
Aroclor 1262		82	U	14	82
Aroclor 1268		82	U	14	82

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	150	X	48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-3434-1

Client Sample ID: **B-119: S3**

Lab Sample ID: 460-3434-2 Date Sampled: 07/02/2009 1012
Client Matrix: Solid % Moisture: 18.2 Date Received: 07/02/2009 1802

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 460-11215		Instrument ID:	PESTGC7
Preparation:	3541	Prep Batch: 460-10919		Initial Weight/Volume:	15.04 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	07/08/2009 0510			Injection Volume:	1.0 uL
Date Prepared:	07/07/2009 0720			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	115		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-3434-1

Client Sample ID: **B-125: S1**

Lab Sample ID: 460-3434-3 Date Sampled: 07/02/2009 1030
Client Matrix: Solid % Moisture: 12.5 Date Received: 07/02/2009 1802

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 460-11215		Instrument ID:	PESTGC7
Preparation:	3541	Prep Batch: 460-10919		Initial Weight/Volume:	15.05 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	07/08/2009 0526			Injection Volume:	1.0 uL
Date Prepared:	07/07/2009 0720			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		76	U	15	76
Aroclor 1221		76	U	23	76
Aroclor 1232		76	U	43	76
Aroclor 1242		76	U	14	76
Aroclor 1248		76	U	20	76
Aroclor 1254		76	U	26	76
Aroclor 1260		76	U	8.5	76
Aroclor 1262		76	U	13	76
Aroclor 1268		76	U	13	76

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	136		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-3434-1

Client Sample ID: **B-125: S1**

Lab Sample ID: 460-3434-3 Date Sampled: 07/02/2009 1030
Client Matrix: Solid % Moisture: 12.5 Date Received: 07/02/2009 1802

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 460-11215		Instrument ID:	PESTGC7
Preparation:	3541	Prep Batch: 460-10919		Initial Weight/Volume:	15.05 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	07/08/2009 0526			Injection Volume:	1.0 uL
Date Prepared:	07/07/2009 0720			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	103		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-3434-1

Client Sample ID: **B-125: S5**

Lab Sample ID: 460-3434-4 Date Sampled: 07/02/2009 1113
Client Matrix: Solid % Moisture: 17.1 Date Received: 07/02/2009 1802

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 460-11215		Instrument ID:	PESTGC7
Preparation:	3541	Prep Batch: 460-10919		Initial Weight/Volume:	15.03 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	07/08/2009 0543			Injection Volume:	1.0 uL
Date Prepared:	07/07/2009 0720			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		81	U	15	81
Aroclor 1221		81	U	24	81
Aroclor 1232		81	U	46	81
Aroclor 1242		81	U	15	81
Aroclor 1248		81	U	21	81
Aroclor 1254		81	U	28	81
Aroclor 1260		81	U	9.0	81
Aroclor 1262		81	U	14	81
Aroclor 1268		81	U	14	81

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	176	X	48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-3434-1

Client Sample ID: **B-125: S5**

Lab Sample ID: 460-3434-4 Date Sampled: 07/02/2009 1113
Client Matrix: Solid % Moisture: 17.1 Date Received: 07/02/2009 1802

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 460-11215		Instrument ID:	PESTGC7
Preparation:	3541	Prep Batch: 460-10919		Initial Weight/Volume:	15.03 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	07/08/2009 0543			Injection Volume:	1.0 uL
Date Prepared:	07/07/2009 0720			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	145		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-3434-1

Client Sample ID: **EB-4: S1**

Lab Sample ID: 460-3434-5 Date Sampled: 07/02/2009 0754
Client Matrix: Solid % Moisture: 12.7 Date Received: 07/02/2009 1802

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 460-11215		Instrument ID:	PESTGC7
Preparation:	3541	Prep Batch: 460-10919		Initial Weight/Volume:	15.03 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	07/08/2009 0559			Injection Volume:	1.0 uL
Date Prepared:	07/07/2009 0720			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		77	U	15	77
Aroclor 1221		77	U	23	77
Aroclor 1232		77	U	43	77
Aroclor 1242		77	U	15	77
Aroclor 1248		77	U	20	77
Aroclor 1254		77	U	26	77
Aroclor 1260		77	U	8.6	77
Aroclor 1262		77	U	13	77
Aroclor 1268		77	U	13	77

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	65		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-3434-1

Client Sample ID: **EB-4: S1**

Lab Sample ID: 460-3434-5 Date Sampled: 07/02/2009 0754
Client Matrix: Solid % Moisture: 12.7 Date Received: 07/02/2009 1802

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 460-11215		Instrument ID:	PESTGC7
Preparation:	3541	Prep Batch: 460-10919		Initial Weight/Volume:	15.03 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	07/08/2009 0559			Injection Volume:	1.0 uL
Date Prepared:	07/07/2009 0720			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	114		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-3434-1

Client Sample ID: **EB-4: S3**

Lab Sample ID: 460-3434-6 Date Sampled: 07/02/2009 0810
Client Matrix: Solid % Moisture: 15.9 Date Received: 07/02/2009 1802

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 460-11215		Instrument ID:	PESTGC7
Preparation:	3541	Prep Batch: 460-10919		Initial Weight/Volume:	15.02 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	07/08/2009 0615			Injection Volume:	1.0 uL
Date Prepared:	07/07/2009 0720			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		80	U	15	80
Aroclor 1221		80	U	24	80
Aroclor 1232		80	U	45	80
Aroclor 1242		80	U	15	80
Aroclor 1248		80	U	21	80
Aroclor 1254		80	U	27	80
Aroclor 1260		80	U	8.9	80
Aroclor 1262		80	U	14	80
Aroclor 1268		80	U	14	80

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	696	E X	48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-3434-1

Client Sample ID: **EB-4: S3**

Lab Sample ID: 460-3434-6 Date Sampled: 07/02/2009 0810
Client Matrix: Solid % Moisture: 15.9 Date Received: 07/02/2009 1802

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 460-11215		Instrument ID:	PESTGC7
Preparation:	3541	Prep Batch: 460-10919		Initial Weight/Volume:	15.02 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	07/08/2009 0615			Injection Volume:	1.0 uL
Date Prepared:	07/07/2009 0720			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	485	E X	48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-3434-1

Client Sample ID: **B-119: S1**

Lab Sample ID: 460-3434-1 Date Sampled: 07/02/2009 1005
Client Matrix: Solid % Moisture: 21.7 Date Received: 07/02/2009 1802

NJ-OQA-QAM-025 New Jersey - Total petroleum Hydrocarbons (GC)

Method:	NJ-OQA-QAM-025	Analysis Batch: 460-11003		Instrument ID:	BNAGC4
Preparation:	3541	Prep Batch: 460-10884		Lab File ID:	gcr48380.d
Dilution:	2.0			Initial Weight/Volume:	15.04 g
Date Analyzed:	07/08/2009 1121	Run Type:	DL	Final Weight/Volume:	1 mL
Date Prepared:	07/06/2009 1615			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL	RL
Total Petroleum Hydrocarbons (C8-C40)		430		14	14

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	81		46 - 124
Chlorobenzene	66		19 - 98

Client: Haley & Aldrich, Inc. Job Number: 460-3434-1

Client Sample ID: **B-119: S3**

Lab Sample ID: 460-3434-2 Date Sampled: 07/02/2009 1012
Client Matrix: Solid % Moisture: 18.2 Date Received: 07/02/2009 1802

NJ-OQA-QAM-025 New Jersey - Total petroleum Hydrocarbons (GC)

Method:	NJ-OQA-QAM-025	Analysis Batch: 460-11003		Instrument ID:	BNAGC4
Preparation:	3541	Prep Batch: 460-10884		Lab File ID:	gcr48316.d
Dilution:	1.0			Initial Weight/Volume:	15.03 g
Date Analyzed:	07/07/2009 1913			Final Weight/Volume:	1 mL
Date Prepared:	07/06/2009 1615			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL	RL
Total Petroleum Hydrocarbons (C8-C40)		270		6.7	6.7

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	85		46 - 124
Chlorobenzene	65		19 - 98

Client: Haley & Aldrich, Inc. Job Number: 460-3434-1

Client Sample ID: **B-125: S1**

Lab Sample ID: 460-3434-3 Date Sampled: 07/02/2009 1030
Client Matrix: Solid % Moisture: 12.5 Date Received: 07/02/2009 1802

NJ-OQA-QAM-025 New Jersey - Total petroleum Hydrocarbons (GC)

Method:	NJ-OQA-QAM-025	Analysis Batch: 460-11003	Instrument ID:	BNAGC4
Preparation:	3541	Prep Batch: 460-10884	Lab File ID:	gcr48314.d
Dilution:	1.0		Initial Weight/Volume:	14.99 g
Date Analyzed:	07/07/2009 1843		Final Weight/Volume:	1 mL
Date Prepared:	07/06/2009 1615		Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL	RL
Total Petroleum Hydrocarbons (C8-C40)		19		6.3	6.3

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	82		46 - 124
Chlorobenzene	69		19 - 98

Client: Haley & Aldrich, Inc. Job Number: 460-3434-1

Client Sample ID: **B-125: S5**

Lab Sample ID: 460-3434-4 Date Sampled: 07/02/2009 1113
Client Matrix: Solid % Moisture: 17.1 Date Received: 07/02/2009 1802

NJ-OQA-QAM-025 New Jersey - Total petroleum Hydrocarbons (GC)

Method:	NJ-OQA-QAM-025	Analysis Batch: 460-11003		Instrument ID:	BNAGC4
Preparation:	3541	Prep Batch: 460-10884		Lab File ID:	gcr48381.d
Dilution:	10			Initial Weight/Volume:	15.05 g
Date Analyzed:	07/08/2009 1136	Run Type:	DL	Final Weight/Volume:	1 mL
Date Prepared:	07/06/2009 1615			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL	RL
Total Petroleum Hydrocarbons (C8-C40)		1800		66	66

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	0	X D	46 - 124
Chlorobenzene	0	X D	19 - 98

Client: Haley & Aldrich, Inc. Job Number: 460-3434-1

Client Sample ID: **EB-4: S1**

Lab Sample ID: 460-3434-5 Date Sampled: 07/02/2009 0754
Client Matrix: Solid % Moisture: 12.7 Date Received: 07/02/2009 1802

NJ-OQA-QAM-025 New Jersey - Total petroleum Hydrocarbons (GC)

Method:	NJ-OQA-QAM-025	Analysis Batch: 460-11003	Instrument ID:	BNAGC4
Preparation:	3541	Prep Batch: 460-10886	Lab File ID:	gcr48331.d
Dilution:	1.0		Initial Weight/Volume:	14.99 g
Date Analyzed:	07/07/2009 2259		Final Weight/Volume:	1 mL
Date Prepared:	07/06/2009 1623		Injection Volume:	1 uL

Analyte DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL	RL
Total Petroleum Hydrocarbons (C8-C40)	27		6.3	6.3

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	76		46 - 124
Chlorobenzene	57		19 - 98

Client: Haley & Aldrich, Inc. Job Number: 460-3434-1

Client Sample ID: **EB-4: S3**

Lab Sample ID: 460-3434-6 Date Sampled: 07/02/2009 0810
Client Matrix: Solid % Moisture: 15.9 Date Received: 07/02/2009 1802

NJ-OQA-QAM-025 New Jersey - Total petroleum Hydrocarbons (GC)

Method:	NJ-OQA-QAM-025	Analysis Batch: 460-11003		Instrument ID:	BNAGC4
Preparation:	3541	Prep Batch: 460-10886		Lab File ID:	gcr48384.d
Dilution:	200			Initial Weight/Volume:	15.05 g
Date Analyzed:	07/08/2009 1221	Run Type:	DL	Final Weight/Volume:	1 mL
Date Prepared:	07/06/2009 1623			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL	RL
Total Petroleum Hydrocarbons (C8-C40)		20000		1300	1300

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	0	X D	46 - 124
Chlorobenzene	0	X D	19 - 98

Client: Haley & Aldrich, Inc. Job Number: 460-3434-1

Client Sample ID: **B-119: S1**

Lab Sample ID: 460-3434-1 Date Sampled: 07/02/2009 1005
Client Matrix: Solid % Moisture: 21.7 Date Received: 07/02/2009 1802

6010B Metals (ICP)

Method: 6010B Analysis Batch: 460-10940 Instrument ID: ICP3
Preparation: 3050B Prep Batch: 460-10843 Lab File ID: 10822
Dilution: 4.0 Initial Weight/Volume: 1.06 g
Date Analyzed: 07/06/2009 2335 Final Weight/Volume: 50 mL
Date Prepared: 07/06/2009 1135

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		4700		17.7	48.2
Antimony		2.4	U	1.1	2.4
Arsenic		4.4		0.84	1.2
Barium		812		1.5	48.2
Beryllium		0.65		0.21	0.48
Cadmium		4.8		0.19	1.2
Calcium		23800		31.7	1210
Chromium		22.7		1.4	2.4
Cobalt		10.1	J	1.5	12.1
Copper		163		0.98	6.0
Iron		13400		12.8	36.2
Lead		332		0.60	1.2
Magnesium		7850		12.8	1210
Manganese		245		1.4	3.6
Nickel		55.5		0.65	9.6
Potassium		353	J	54.4	1210
Selenium		2.4	U	1.1	2.4
Silver		2.4	U	0.18	2.4
Sodium		344	J	74.0	1210
Thallium		2.4	U	1.2	2.4
Vanadium		21.5		0.63	12.1

Method: 6010B Analysis Batch: 460-11426 Instrument ID: ICP3
Preparation: 3050B Prep Batch: 460-11159 Lab File ID: 11111
Dilution: 10 Initial Weight/Volume: 1.05 g
Date Analyzed: 07/10/2009 1457 Final Weight/Volume: 50 mL
Date Prepared: 07/08/2009 1438

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Zinc		758		3.0	18.3

7471A Mercury (CVAA)

Method: 7471A Analysis Batch: 460-11007 Instrument ID: LEEMAN3
Preparation: 7471A Prep Batch: 460-10957 Lab File ID: N/A
Dilution: 1.0 Initial Weight/Volume: 0.67 g
Date Analyzed: 07/07/2009 1442 Final Weight/Volume: 100 mL
Date Prepared: 07/07/2009 1048

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.39		0.030	0.038

Client: Haley & Aldrich, Inc. Job Number: 460-3434-1

Client Sample ID: **B-119: S3**

Lab Sample ID: 460-3434-2 Date Sampled: 07/02/2009 1012
Client Matrix: Solid % Moisture: 18.2 Date Received: 07/02/2009 1802

6010B Metals (ICP)

Method: 6010B Analysis Batch: 460-10940 Instrument ID: ICP3
Preparation: 3050B Prep Batch: 460-10843 Lab File ID: 10822
Dilution: 4.0 Initial Weight/Volume: 1.04 g
Date Analyzed: 07/06/2009 2342 Final Weight/Volume: 50 mL
Date Prepared: 07/06/2009 1135

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		3520		17.2	47.0
Antimony		2.3	U	1.0	2.3
Arsenic		6.9		0.82	1.2
Barium		82.2		1.4	47.0
Beryllium		0.52		0.21	0.47
Cadmium		6.3		0.18	1.2
Calcium		24000		30.9	1170
Chromium		25.2		1.4	2.3
Cobalt		6.1	J	1.4	11.7
Copper		64.4		0.96	5.9
Iron		12000		12.5	35.2
Lead		381		0.59	1.2
Magnesium		2340		12.4	1170
Manganese		165		1.3	3.5
Nickel		22.8		0.63	9.4
Potassium		501	J	53.0	1170
Selenium		1.1	J	1.1	2.3
Silver		2.3	U	0.18	2.3
Sodium		290	J	72.1	1170
Thallium		2.3	U	1.1	2.3
Vanadium		19.1		0.61	11.7

Method: 6010B Analysis Batch: 460-11426 Instrument ID: ICP3
Preparation: 3050B Prep Batch: 460-11159 Lab File ID: 11111
Dilution: 4.0 Initial Weight/Volume: 1.04 g
Date Analyzed: 07/10/2009 1504 Final Weight/Volume: 50 mL
Date Prepared: 07/08/2009 1438

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Zinc		236		1.2	7.0

7471A Mercury (CVAA)

Method: 7471A Analysis Batch: 460-11007 Instrument ID: LEEMAN3
Preparation: 7471A Prep Batch: 460-10957 Lab File ID: N/A
Dilution: 1.0 Initial Weight/Volume: 0.63 g
Date Analyzed: 07/07/2009 1444 Final Weight/Volume: 100 mL
Date Prepared: 07/07/2009 1048

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.23		0.030	0.038

Client: Haley & Aldrich, Inc. Job Number: 460-3434-1

Client Sample ID: **B-125: S1**

Lab Sample ID: 460-3434-3 Date Sampled: 07/02/2009 1030
Client Matrix: Solid % Moisture: 12.5 Date Received: 07/02/2009 1802

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 460-10940		Instrument ID:	ICP3
Preparation:	3050B	Prep Batch: 460-10843		Lab File ID:	10822
Dilution:	4.0			Initial Weight/Volume:	1.06 g
Date Analyzed:	07/06/2009 2348			Final Weight/Volume:	50 mL
Date Prepared:	07/06/2009 1135				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		5250		15.8	43.1
Antimony		2.2	U	0.95	2.2
Arsenic		3.7		0.75	1.1
Barium		87.2		1.3	43.1
Beryllium		0.43	U	0.19	0.43
Cadmium		0.30	J	0.17	1.1
Calcium		20200		28.4	1080
Chromium		14.4		1.3	2.2
Cobalt		5.2	J	1.3	10.8
Copper		449		0.88	5.4
Iron		12700		11.4	32.3
Lead		348		0.54	1.1
Magnesium		2400		11.4	1080
Manganese		201		1.2	3.2
Nickel		14.1		0.58	8.6
Potassium		873	J	48.7	1080
Selenium		2.2	U	1.0	2.2
Silver		2.2	U	0.16	2.2
Sodium		1400		66.2	1080
Thallium		2.2	U	1.0	2.2
Vanadium		14.8		0.56	10.8

Method:	6010B	Analysis Batch: 460-11426		Instrument ID:	ICP3
Preparation:	3050B	Prep Batch: 460-11159		Lab File ID:	11111
Dilution:	4.0			Initial Weight/Volume:	1.01 g
Date Analyzed:	07/10/2009 1510			Final Weight/Volume:	50 mL
Date Prepared:	07/08/2009 1438				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Zinc		479		1.1	6.8

7471A Mercury (CVAA)

Method:	7471A	Analysis Batch: 460-11007		Instrument ID:	LEEMAN3
Preparation:	7471A	Prep Batch: 460-10957		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	0.68 g
Date Analyzed:	07/07/2009 1446			Final Weight/Volume:	100 mL
Date Prepared:	07/07/2009 1048				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.45		0.026	0.033

Client: Haley & Aldrich, Inc. Job Number: 460-3434-1

Client Sample ID: **B-125: S5**

Lab Sample ID: 460-3434-4 Date Sampled: 07/02/2009 1113
Client Matrix: Solid % Moisture: 17.1 Date Received: 07/02/2009 1802

6010B Metals (ICP)

Method: 6010B Analysis Batch: 460-10940 Instrument ID: ICP3
Preparation: 3050B Prep Batch: 460-10843 Lab File ID: 10822
Dilution: 4.0 Initial Weight/Volume: 1.01 g
Date Analyzed: 07/06/2009 2355 Final Weight/Volume: 50 mL
Date Prepared: 07/06/2009 1135

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		2500		17.5	47.8
Antimony		1.1	J	1.1	2.4
Arsenic		5.1		0.83	1.2
Barium		33.7	J	1.4	47.8
Beryllium		0.48	U	0.21	0.48
Cadmium		1.2	U	0.19	1.2
Calcium		5640		31.4	1190
Chromium		9.9		1.4	2.4
Cobalt		3.2	J	1.5	11.9
Copper		42.1		0.97	6.0
Iron		10400		12.7	35.8
Lead		148		0.60	1.2
Magnesium		1300		12.6	1190
Manganese		116		1.3	3.6
Nickel		9.0	J	0.64	9.6
Potassium		325	J	53.9	1190
Selenium		2.4	U	1.1	2.4
Silver		2.4	U	0.18	2.4
Sodium		218	J	73.4	1190
Thallium		2.4	U	1.2	2.4
Vanadium		12.3		0.62	11.9

Method: 6010B Analysis Batch: 460-11426 Instrument ID: ICP3
Preparation: 3050B Prep Batch: 460-11159 Lab File ID: 11111
Dilution: 4.0 Initial Weight/Volume: 1.00 g
Date Analyzed: 07/10/2009 1517 Final Weight/Volume: 50 mL
Date Prepared: 07/08/2009 1438

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Zinc		56.1		1.2	7.2

7471A Mercury (CVAA)

Method: 7471A Analysis Batch: 460-11007 Instrument ID: LEEMAN3
Preparation: 7471A Prep Batch: 460-10957 Lab File ID: N/A
Dilution: 1.0 Initial Weight/Volume: 0.65 g
Date Analyzed: 07/07/2009 1448 Final Weight/Volume: 100 mL
Date Prepared: 07/07/2009 1048

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.18		0.029	0.037

Client: Haley & Aldrich, Inc. Job Number: 460-3434-1

Client Sample ID: **EB-4: S1**

Lab Sample ID: 460-3434-5 Date Sampled: 07/02/2009 0754
Client Matrix: Solid % Moisture: 12.7 Date Received: 07/02/2009 1802

6010B Metals (ICP)

Method: 6010B Analysis Batch: 460-10940 Instrument ID: ICP3
Preparation: 3050B Prep Batch: 460-10843 Lab File ID: 10822
Dilution: 4.0 Initial Weight/Volume: 1.02 g
Date Analyzed: 07/07/2009 0001 Final Weight/Volume: 50 mL
Date Prepared: 07/06/2009 1135

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		2190		16.5	44.9
Antimony		2.2	U	0.99	2.2
Arsenic		7.9		0.78	1.1
Barium		48.7		1.4	44.9
Beryllium		0.45	U	0.20	0.45
Cadmium		1.0	J	0.18	1.1
Calcium		10300		29.5	1120
Chromium		8.5		1.3	2.2
Cobalt		4.3	J	1.4	11.2
Copper		198		0.92	5.6
Iron		8970		11.9	33.7
Lead		295		0.56	1.1
Magnesium		699	J	11.9	1120
Manganese		89.5		1.3	3.4
Nickel		10.6		0.60	9.0
Potassium		217	J	50.7	1120
Selenium		1.1	J	1.1	2.2
Silver		2.2	U	0.17	2.2
Sodium		387	J	69.0	1120
Thallium		2.2	U	1.1	2.2
Vanadium		10.4	J	0.58	11.2

Method: 6010B Analysis Batch: 460-11426 Instrument ID: ICP3
Preparation: 3050B Prep Batch: 460-11159 Lab File ID: 11111
Dilution: 4.0 Initial Weight/Volume: 1.00 g
Date Analyzed: 07/10/2009 1523 Final Weight/Volume: 50 mL
Date Prepared: 07/08/2009 1438

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Zinc		557		1.1	6.9

7471A Mercury (CVAA)

Method: 7471A Analysis Batch: 460-11007 Instrument ID: LEEMAN3
Preparation: 7471A Prep Batch: 460-10957 Lab File ID: N/A
Dilution: 1.0 Initial Weight/Volume: 0.64 g
Date Analyzed: 07/07/2009 1450 Final Weight/Volume: 100 mL
Date Prepared: 07/07/2009 1048

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.21		0.028	0.035

Client: Haley & Aldrich, Inc. Job Number: 460-3434-1

Client Sample ID: **EB-4: S3**

Lab Sample ID: 460-3434-6 Date Sampled: 07/02/2009 0810
Client Matrix: Solid % Moisture: 15.9 Date Received: 07/02/2009 1802

6010B Metals (ICP)

Method: 6010B Analysis Batch: 460-10940 Instrument ID: ICP3
Preparation: 3050B Prep Batch: 460-10843 Lab File ID: 10822
Dilution: 4.0 Initial Weight/Volume: 1.01 g
Date Analyzed: 07/07/2009 0008 Final Weight/Volume: 50 mL
Date Prepared: 07/06/2009 1135

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		2080		17.3	47.1
Antimony		2.4	U	1.0	2.4
Arsenic		3.2		0.82	1.2
Barium		28.0	J	1.4	47.1
Beryllium		0.47	U	0.21	0.47
Cadmium		1.2	U	0.18	1.2
Chromium		3.9		1.4	2.4
Cobalt		2.3	J	1.4	11.8
Copper		32.3		0.96	5.9
Iron		4050		12.5	35.3
Lead		36.3		0.59	1.2
Magnesium		401	J	12.5	1180
Manganese		66.7		1.3	3.5
Nickel		6.2	J	0.63	9.4
Potassium		175	J	53.1	1180
Selenium		2.3	J	1.1	2.4
Silver		2.4	U	0.18	2.4
Sodium		876	J	72.3	1180
Thallium		2.4	U	1.1	2.4
Vanadium		6.0	J	0.61	11.8

Method: 6010B Analysis Batch: 460-11426 Instrument ID: ICP3
Preparation: 3050B Prep Batch: 460-11159 Lab File ID: 11111
Dilution: 4.0 Initial Weight/Volume: 1.00 g
Date Analyzed: 07/10/2009 1530 Final Weight/Volume: 50 mL
Date Prepared: 07/08/2009 1438

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Zinc		160		1.2	7.1

Method: 6010B Analysis Batch: 460-11024 Instrument ID: ICP3
Preparation: 3050B Prep Batch: 460-10843 Lab File ID: 10822
Dilution: 10 Initial Weight/Volume: 1.01 g
Date Analyzed: 07/07/2009 1245 Final Weight/Volume: 50 mL
Date Prepared: 07/06/2009 1135

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Calcium		97000		77.4	2940

7471A Mercury (CVAA)

Client: Haley & Aldrich, Inc. Job Number: 460-3434-1

Client Sample ID: **EB-4: S3**

Lab Sample ID: 460-3434-6 Date Sampled: 07/02/2009 0810
Client Matrix: Solid % Moisture: 15.9 Date Received: 07/02/2009 1802

7471A Mercury (CVAA)

Method:	7471A	Analysis Batch: 460-11007		Instrument ID:	LEEMAN3
Preparation:	7471A	Prep Batch: 460-10957		Lab File ID:	N/A
Dilution:	5.0			Initial Weight/Volume:	0.61 g
Date Analyzed:	07/07/2009 1501			Final Weight/Volume:	100 mL
Date Prepared:	07/07/2009 1048				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		5.5		0.15	0.19

General Chemistry

Client Sample ID: **B-119: S1**

Lab Sample ID: 460-3434-1 Date Sampled: 07/02/2009 1005

Client Matrix: Solid Date Received: 07/02/2009 1802

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	21.7		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-10748	Date Analyzed: 07/02/2009 2304						DryWt Corrected: N
Percent Solids	78.3		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-10748	Date Analyzed: 07/02/2009 2304						DryWt Corrected: N

General Chemistry

Client Sample ID: **B-119: S3**

Lab Sample ID: 460-3434-2 Date Sampled: 07/02/2009 1012
Client Matrix: Solid Date Received: 07/02/2009 1802

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	18.2		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-10748	Date Analyzed: 07/02/2009 2304						DryWt Corrected: N
Percent Solids	81.8		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-10748	Date Analyzed: 07/02/2009 2304						DryWt Corrected: N

General Chemistry

Client Sample ID: **B-125: S1**

Lab Sample ID: 460-3434-3 Date Sampled: 07/02/2009 1030

Client Matrix: Solid Date Received: 07/02/2009 1802

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	12.5		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-10748	Date Analyzed: 07/02/2009 2304						DryWt Corrected: N
Percent Solids	87.5		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-10748	Date Analyzed: 07/02/2009 2304						DryWt Corrected: N

General Chemistry

Client Sample ID: **B-125: S5**

Lab Sample ID: 460-3434-4 Date Sampled: 07/02/2009 1113

Client Matrix: Solid Date Received: 07/02/2009 1802

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	17.1		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-10748	Date Analyzed: 07/02/2009 2304						DryWt Corrected: N
Percent Solids	82.9		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-10748	Date Analyzed: 07/02/2009 2304						DryWt Corrected: N

General Chemistry

Client Sample ID: **EB-4: S1**

Lab Sample ID: 460-3434-5 Date Sampled: 07/02/2009 0754

Client Matrix: Solid Date Received: 07/02/2009 1802

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	12.7		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-10748	Date Analyzed: 07/02/2009 2304						DryWt Corrected: N
Percent Solids	87.3		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-10748	Date Analyzed: 07/02/2009 2304						DryWt Corrected: N

General Chemistry

Client Sample ID: **EB-4: S3**

Lab Sample ID: 460-3434-6 Date Sampled: 07/02/2009 0810

Client Matrix: Solid Date Received: 07/02/2009 1802

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	15.9		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-10748	Date Analyzed: 07/02/2009 2304						DryWt Corrected: N
Percent Solids	84.1		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-10748	Date Analyzed: 07/02/2009 2304						DryWt Corrected: N

777 New Durham Road
Edison, New Jersey 08817
Phone: (732) 549-3900 Fax: (732) 549-3679

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

CHAIN OF CUSTODY / ANALYSIS REQUEST

Name (for report and invoice): Amy Murphy	Samplers Name (Printed): Bobby Issac	Site/Project Identification: 14th St. Viaduct, Hoboken
Company: Haley & Aldrich	P. O. #: 36059-001	State (Location of site): NJ: [X] NY: [ ] Other:
		Regulatory Program:
Address: 299 Cherry Hill Road, Suite 105	Analysis Turnaround Time: Standard [X]	LAB USE ONLY Project No:
City: Parsippany, State: NJ	Rush Chrages Authorized For: 2 Week [ ] 1 Week [ ] Other [ ]	Job No: 3508
Phone: 973-658-3938 Fax: 973-658-3988		

ANALYSIS REQUESTED (ENTER "X" BELOW TO INDICATE REQUEST)

Sample Identification	Date	Time	Matrix	No. of. Cont.	8270C TLC_BN_+15	8082 PCBs	8081A TLC Pesticides	6010B TAL_Metals	NJ_OQA_GRO_025	8260B TAL_VOA_+10						Sample Numbers
MW-124:S1	7/7/09	8:25A	S	5	X	X	X	X	X	X						1
MW-124:S5	7/7/09	8:48A	S	5	X	X	X	X	X	X						2
Preservation Used: 1 = ICE, 2 = HCl, 3 = H_2SO_4, 4 = HNO_3, 5 = NaOH				Soil:	1	1	1	1	1	1						
6 = Other _____, 7 = Other _____				Water:												

Special Instructions _____ Water Metals Filtered (Yes/No)? _____

Relinquished by	Company	Date / Time	Received by	Company
B. Issac	Haley & Aldrich	7/7/09 2:23pm	1) David Roche	Test America
2) [signature]	Company.	7/7/09 15:45	2) [signature]	Company
Relinquished by 3)	Company	Date / Time	Received by 3)	Company
Relinquished by 4)	Company	Date / Time	Received by 4)	Company

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132).

TAL - 0016 (0408)

Massachusetts (M-NJ312), North Carolina (No. 578)

Client: Haley & Aldrich, Inc. Job Number: 460-3508-1

Client Sample ID: **MW-124:S1**

Lab Sample ID: 460-3508-1 Date Sampled: 07/07/2009 0825
Client Matrix: Solid % Moisture: 17.4 Date Received: 07/07/2009 1545

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 460-11323		Instrument ID:	VOAMS12
Preparation:	5035	Prep Batch: 460-11077		Lab File ID:	o28527.d
Dilution:	1.0			Initial Weight/Volume:	5.42 g
Date Analyzed:	07/09/2009 2221			Final Weight/Volume:	5 mL
Date Prepared:	07/08/2009 0731				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Chloromethane		1.1	U	0.71	1.1
Bromomethane		1.1	U	0.46	1.1
Vinyl chloride		1.1	U	0.26	1.1
Chloroethane		1.1	U	0.45	1.1
Methylene Chloride		1.1	U	0.53	1.1
Acetone		12	B	4.1	11
Carbon disulfide		0.62	J	0.52	1.1
1,1-Dichloroethene		1.1	U	0.41	1.1
1,1-Dichloroethane		1.1	U	0.28	1.1
trans-1,2-Dichloroethene		1.1	U	0.32	1.1
cis-1,2-Dichloroethene		1.1	U	0.26	1.1
Chloroform		1.1	U	0.26	1.1
1,2-Dichloroethane		1.1	U	0.44	1.1
2-Butanone		11	U	0.64	11
1,1,1-Trichloroethane		1.1	U	0.21	1.1
Carbon tetrachloride		1.1	U	0.11	1.1
Bromodichloromethane		1.1	U	0.34	1.1
1,2-Dichloropropane		1.1	U	0.36	1.1
cis-1,3-Dichloropropene		1.1	U	0.22	1.1
Trichloroethene		1.1	U	0.41	1.1
Dibromochloromethane		1.1	U	0.63	1.1
1,1,2-Trichloroethane		1.1	U	0.66	1.1
Benzene		5.4		0.83	1.1
trans-1,3-Dichloropropene		1.1	U	0.25	1.1
Bromoform		1.1	U	0.78	1.1
4-Methyl-2-pentanone		11	U	0.80	11
2-Hexanone		11	U	1.9	11
Tetrachloroethene		1.1	U	0.37	1.1
1,1,2,2-Tetrachloroethane		1.1	U	0.85	1.1
Toluene		3.0		0.33	1.1
Chlorobenzene		1.1	U	0.54	1.1
Ethylbenzene		1.1	U	0.21	1.1
Styrene		1.1	U	0.39	1.1
Xylenes, Total		3.3	U	0.88	3.3

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	102		53 - 128
Bromofluorobenzene	105		73 - 143
Toluene-d8 (Surr)	92		59 - 139

Client: Haley & Aldrich, Inc. Job Number: 460-3508-1

Client Sample ID: **MW-124:S1**

Lab Sample ID: 460-3508-1 Date Sampled: 07/07/2009 0825
Client Matrix: Solid % Moisture: 17.4 Date Received: 07/07/2009 1545

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 460-11323		Instrument ID:	VOAMS12
Preparation:	5035	Prep Batch: 460-11077		Lab File ID:	o28527.d
Dilution:	1.0			Initial Weight/Volume:	5.42 g
Date Analyzed:	07/09/2009 2221			Final Weight/Volume:	5 mL
Date Prepared:	07/08/2009 0731				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Tentatively Identified Compound		None	

Client: Haley & Aldrich, Inc. Job Number: 460-3508-1

Client Sample ID: **MW-124:S5**

Lab Sample ID: 460-3508-2 Date Sampled: 07/07/2009 0843
Client Matrix: Solid % Moisture: 20.5 Date Received: 07/07/2009 1545

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 460-12015		Instrument ID:	VOAMS8
Preparation:	5035	Prep Batch: 460-11073		Lab File ID:	j86164.d
Dilution:	50			Initial Weight/Volume:	6.07 g
Date Analyzed:	07/17/2009 1301			Final Weight/Volume:	10 mL
Date Prepared:	07/08/2009 0737				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Chloromethane		100	U	22	100
Bromomethane		100	U	33	100
Vinyl chloride		100	U	12	100
Chloroethane		100	U	46	100
Methylene Chloride		100	U	20	100
Acetone		1000	U	260	1000
Carbon disulfide		100	U	15	100
1,1-Dichloroethene		100	U	15	100
1,1-Dichloroethane		100	U	10	100
trans-1,2-Dichloroethene		100	U	14	100
cis-1,2-Dichloroethene		100	U	20	100
Chloroform		100	U	16	100
1,2-Dichloroethane		100	U	26	100
2-Butanone		1000	U	85	1000
1,1,1-Trichloroethane		100	U	26	100
Carbon tetrachloride		100	U	19	100
Bromodichloromethane		100	U	9.3	100
1,2-Dichloropropane		100	U	9.1	100
cis-1,3-Dichloropropene		100	U	11	100
Trichloroethene		100	U	18	100
Dibromochloromethane		100	U	10	100
1,1,2-Trichloroethane		100	U	10	100
Benzene		200		12	100
trans-1,3-Dichloropropene		100	U	13	100
Bromoform		100	U	10	100
4-Methyl-2-pentanone		1000	U	71	1000
2-Hexanone		1000	U	57	1000
Tetrachloroethene		100	U	20	100
1,1,2,2-Tetrachloroethane		100	U	8.9	100
Toluene		200		9.8	100
Chlorobenzene		100	U	17	100
Ethylbenzene		610		26	100
Styrene		100	U	14	100
Xylenes, Total		250	J	45	310

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	92		51 - 131
Bromofluorobenzene	85		70 - 131
Toluene-d8 (Surr)	86		51 - 138

Client: Haley & Aldrich, Inc. Job Number: 460-3508-1

Client Sample ID: **MW-124:S5**

Lab Sample ID: 460-3508-2 Date Sampled: 07/07/2009 0843
Client Matrix: Solid % Moisture: 20.5 Date Received: 07/07/2009 1545

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 460-12015		Instrument ID:	VOAMS8
Preparation:	5035	Prep Batch: 460-11073		Lab File ID:	j86164.d
Dilution:	50			Initial Weight/Volume:	6.07 g
Date Analyzed:	07/17/2009 1301			Final Weight/Volume:	10 mL
Date Prepared:	07/08/2009 0737				

Tentatively Identified Compounds **Number TIC's Found:** **10**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	C9H10 Aromatic	13.82	12000	T J
	C10H12 Aromatic	14.46	7500	T J
	Ethyldimethylbenzene isomer	14.75	2600	T J
	Tetramethylbenzene isomer	14.83	2700	T J
	2,3-dihydro-methyl-1H-Indene isomer	15.22	6100	T J
	2,3-dihydro-methyl-1H-Indene isomer	15.45	9600	T J
	Unknown Aromatic	15.71	2600	T J
	2,3-dihydro-dimethyl-1H-Indene isomer	15.88	5200	T J
91-20-3	Naphthalene	16.47	3300	
91-57-6	Naphthalene, 2-methyl-	18.64	3100	T J N

Client: Haley & Aldrich, Inc. Job Number: 460-3508-1

Client Sample ID: **MW-124:S1**

Lab Sample ID: 460-3508-1 Date Sampled: 07/07/2009 0825
Client Matrix: Solid % Moisture: 17.4 Date Received: 07/07/2009 1545

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-11632		Instrument ID:	BNAMS6
Preparation:	3541	Prep Batch: 460-11226		Lab File ID:	m44136.d
Dilution:	1.0			Initial Weight/Volume:	15.04 g
Date Analyzed:	07/12/2009 2326			Final Weight/Volume:	1 mL
Date Prepared:	07/09/2009 0700			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Bis(2-chloroethyl)ether		40	U	8.3	40
1,3-Dichlorobenzene		400	U	55	400
1,4-Dichlorobenzene		400	U	60	400
1,2-Dichlorobenzene		400	U	64	400
N-Nitrosodi-n-propylamine		40	U	5.3	40
Hexachloroethane		40	U	6.7	40
Nitrobenzene		40	U	8.9	40
Isophorone		400	U	46	400
Bis(2-chloroethoxy)methane		400	U	57	400
1,2,4-Trichlorobenzene		40	U	6.5	40
Naphthalene		160	J	58	400
4-Chloroaniline		400	U	50	400
Hexachlorobutadiene		81	U	16	81
2-Methylnaphthalene		92	J	58	400
Hexachlorocyclopentadiene		400	U	120	400
2-Chloronaphthalene		400	U	56	400
2-Nitroaniline		810	U	110	810
Dimethyl phthalate		400	U	54	400
Acenaphthylene		170	J	57	400
2,6-Dinitrotoluene		81	U	10	81
3-Nitroaniline		810	U	90	810
Acenaphthene		270	J	57	400
Dibenzofuran		110	J	60	400
2,4-Dinitrotoluene		81	U	12	81
Diethyl phthalate		400	U	54	400
4-Chlorophenyl phenyl ether		400	U	69	400
Fluorene		120	J	68	400
4-Nitroaniline		810	U	82	810
N-Nitrosodiphenylamine		400	U	65	400
4-Bromophenyl phenyl ether		400	U	71	400
Hexachlorobenzene		40	U	5.5	40
Phenanthrene		1900		70	400
Anthracene		600		70	400
Carbazole		270	J	63	400
Di-n-butyl phthalate		400	U	61	400
Fluoranthene		2600		66	400
Pyrene		3900		69	400
Butyl benzyl phthalate		110	J	47	400
3,3'-Dichlorobenzidine		810	U *	88	810
Benzo[a]anthracene		2700		7.4	40
Chrysene		2500		58	400
Bis(2-ethylhexyl) phthalate		190	J	53	400
Di-n-octyl phthalate		66	J	47	400
Benzo[b]fluoranthene		3000		5.9	40
Benzo[k]fluoranthene		5300		5.6	40
Benzo[a]pyrene		5100		4.9	40

Client: Haley & Aldrich, Inc. Job Number: 460-3508-1

Client Sample ID: **MW-124:S1**

Lab Sample ID: 460-3508-1 Date Sampled: 07/07/2009 0825
Client Matrix: Solid % Moisture: 17.4 Date Received: 07/07/2009 1545

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-11632		Instrument ID:	BNAMS6
Preparation:	3541	Prep Batch: 460-11226		Lab File ID:	m44136.d
Dilution:	1.0			Initial Weight/Volume:	15.04 g
Date Analyzed:	07/12/2009 2326			Final Weight/Volume:	1 mL
Date Prepared:	07/09/2009 0700			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Indeno[1,2,3-cd]pyrene		1400		6.4	40
Dibenz(a,h)anthracene		40	U	4.8	40
Benzo[g,h,i]perylene		1300		42	400
bis (2-chloroisopropyl) ether		400	U	52	400

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	88		36 - 93
Nitrobenzene-d5	80		31 - 97
Terphenyl-d14	86		40 - 129

Client: Haley & Aldrich, Inc. Job Number: 460-3508-1

Client Sample ID: **MW-124:S1**

Lab Sample ID: 460-3508-1 Date Sampled: 07/07/2009 0825
Client Matrix: Solid % Moisture: 17.4 Date Received: 07/07/2009 1545

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-11632		Instrument ID:	BNAMS6
Preparation:	3541	Prep Batch: 460-11226		Lab File ID:	m44136.d
Dilution:	1.0			Initial Weight/Volume:	15.04 g
Date Analyzed:	07/12/2009 2326			Final Weight/Volume:	1 mL
Date Prepared:	07/09/2009 0700			Injection Volume:	1.0 uL

Tentatively Identified Compounds **Number TIC's Found:** **9**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Xylene isomer	4.11	400	T J
	C15H12 PAH	10.84	330	T J
	C15H10/C15H12 PAHs	10.94	590	T J
	C17H12 PAH	12.09	330	T J
	C17H12 PAH	12.30	350	T J
	Unknown	14.16	880	T J
	C20H12 PAH	14.48	1200	T J
	C20H12 PAH	14.72	3200	T J
	C20H12 PAH	14.89	1500	T J

Client: Haley & Aldrich, Inc. Job Number: 460-3508-1

Client Sample ID: **MW-124:S5**

Lab Sample ID: 460-3508-2 Date Sampled: 07/07/2009 0843
Client Matrix: Solid % Moisture: 20.5 Date Received: 07/07/2009 1545

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-11636		Instrument ID:	BNAMS6
Preparation:	3541	Prep Batch: 460-11226		Lab File ID:	m44153.d
Dilution:	50			Initial Weight/Volume:	14.99 g
Date Analyzed:	07/13/2009 1800			Final Weight/Volume:	1 mL
Date Prepared:	07/09/2009 0700			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Bis(2-chloroethyl)ether		2100	U	430	2100
1,3-Dichlorobenzene		21000	U	2900	21000
1,4-Dichlorobenzene		21000	U	3100	21000
1,2-Dichlorobenzene		21000	U	3300	21000
N-Nitrosodi-n-propylamine		2100	U	270	2100
Hexachloroethane		2100	U	350	2100
Nitrobenzene		2100	U	470	2100
Isophorone		21000	U	2400	21000
Bis(2-chloroethoxy)methane		21000	U	3000	21000
1,2,4-Trichlorobenzene		2100	U	340	2100
Naphthalene		4800	J	3000	21000
4-Chloroaniline		21000	U	2600	21000
Hexachlorobutadiene		4200	U	840	4200
2-Methylnaphthalene		360000		3000	21000
Hexachlorocyclopentadiene		21000	U	6100	21000
2-Chloronaphthalene		21000	U	2900	21000
2-Nitroaniline		42000	U	5700	42000
Dimethyl phthalate		21000	U	2800	21000
Acenaphthylene		32000		3000	21000
2,6-Dinitrotoluene		4200	U	530	4200
3-Nitroaniline		42000	U	4700	42000
Acenaphthene		120000		3000	21000
Dibenzofuran		12000	J	3100	21000
2,4-Dinitrotoluene		4200	U	610	4200
Diethyl phthalate		21000	U	2800	21000
4-Chlorophenyl phenyl ether		21000	U	3600	21000
Fluorene		100000		3500	21000
4-Nitroaniline		42000	U	4300	42000
N-Nitrosodiphenylamine		21000	U	3400	21000
4-Bromophenyl phenyl ether		21000	U	3700	21000
Hexachlorobenzene		2100	U	290	2100
Phenanthrene		260000		3600	21000
Anthracene		75000		3700	21000
Carbazole		21000	U	3300	21000
Di-n-butyl phthalate		21000	U	3200	21000
Fluoranthene		45000		3500	21000
Pyrene		72000		3600	21000
Butyl benzyl phthalate		21000	U	2400	21000
3,3'-Dichlorobenzidine		42000	U *	4600	42000
Benzo[a]anthracene		21000		390	2100
Chrysene		22000		3000	21000
Bis(2-ethylhexyl) phthalate		21000	U	2800	21000
Di-n-octyl phthalate		21000	U	2500	21000
Benzo[b]fluoranthene		6200		310	2100
Benzo[k]fluoranthene		11000		290	2100
Benzo[a]pyrene		16000		260	2100

Client: Haley & Aldrich, Inc. Job Number: 460-3508-1

Client Sample ID: **MW-124:S5**

Lab Sample ID: 460-3508-2 Date Sampled: 07/07/2009 0843
Client Matrix: Solid % Moisture: 20.5 Date Received: 07/07/2009 1545

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-11636		Instrument ID:	BNAMS6
Preparation:	3541	Prep Batch: 460-11226		Lab File ID:	m44153.d
Dilution:	50			Initial Weight/Volume:	14.99 g
Date Analyzed:	07/13/2009 1800			Final Weight/Volume:	1 mL
Date Prepared:	07/09/2009 0700			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Indeno[1,2,3-cd]pyrene		2600		330	2100
Dibenz(a,h)anthracene		1500	J	250	2100
Benzo[g,h,i]perylene		2300	J	2200	21000
bis (2-chloroisopropyl) ether		21000	U	2700	21000

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	0	D	36 - 93
Nitrobenzene-d5	0	D	31 - 97
Terphenyl-d14	0	D	40 - 129

Client: Haley & Aldrich, Inc. Job Number: 460-3508-1

Client Sample ID: **MW-124:S5**

Lab Sample ID: 460-3508-2 Date Sampled: 07/07/2009 0843
Client Matrix: Solid % Moisture: 20.5 Date Received: 07/07/2009 1545

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 460-11636		Instrument ID:	BNAMS6
Preparation:	3541	Prep Batch: 460-11226		Lab File ID:	m44153.d
Dilution:	50			Initial Weight/Volume:	14.99 g
Date Analyzed:	07/13/2009 1800			Final Weight/Volume:	1 mL
Date Prepared:	07/09/2009 0700			Injection Volume:	1.0 uL

Tentatively Identified Compounds **Number TIC's Found:** **15**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
90-12-0	1-Methylnaphthalene	7.81	330000	
	C12H12 PAH	8.27	45000	T J
	Dimethylnaphthalene isomer	8.33	140000	T J
	Dimethylnaphthalene isomer	8.42	200000	T J
	Unknown	8.45	97000	T J
	Dimethylnaphthalene isomer	8.54	76000	T J
	Trimethylnaphthalene isomer	9.09	65000	T J
	Trimethylnaphthalene isomer	9.18	54000	T J
	Unknown	9.41	45000	T J
	Unknown	9.46	54000	T J
	C14H12 PAH	9.87	58000	T J
	C15H12 PAH	10.78	61000	T J
	C15H12 PAH	10.81	67000	T J
	C15H12 PAH	10.90	94000	T J
	C16H12 PAH	11.06	44000	T J

Client: Haley & Aldrich, Inc. Job Number: 460-3508-1

Client Sample ID: **MW-124:S1**

Lab Sample ID: 460-3508-1 Date Sampled: 07/07/2009 0825
Client Matrix: Solid % Moisture: 17.4 Date Received: 07/07/2009 1545

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 460-11395		Instrument ID:	PESTGC5
Preparation:	3541	Prep Batch: 460-11102		Initial Weight/Volume:	15.01 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	07/09/2009 2220			Injection Volume:	1.0 uL
Date Prepared:	07/08/2009 0950			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aldrin		8.1	U	1.8	8.1
alpha-BHC		8.1	U	1.5	8.1
beta-BHC		8.1	U	1.1	8.1
delta-BHC		8.1	U	1.2	8.1
gamma-BHC (Lindane)		8.1	U	0.94	8.1
Chlordane		81	U	18	81
4,4'-DDD		8.1	U	0.97	8.1
4,4'-DDE		8.1	U	1.6	8.1
4,4'-DDT		8.1	U	1.0	8.1
Dieldrin		8.1	U	1.6	8.1
Endosulfan I		8.1	U	1.7	8.1
Endosulfan II		8.1	U	1.2	8.1
Endosulfan sulfate		8.1	U	1.0	8.1
Endrin		8.1	U	1.1	8.1
Endrin aldehyde		8.1	U	2.0	8.1
Endrin ketone		8.1	U	1.2	8.1
Heptachlor		8.1	U	1.2	8.1
Heptachlor epoxide		8.1	U	1.6	8.1
Methoxychlor		8.1	U	0.91	8.1
Toxaphene		81	U	17	81

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	50		26 - 126
DCB Decachlorobiphenyl	62		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-3508-1

Client Sample ID: **MW-124:S1**

Lab Sample ID: 460-3508-1 Date Sampled: 07/07/2009 0825
Client Matrix: Solid % Moisture: 17.4 Date Received: 07/07/2009 1545

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 460-11395	Instrument ID:	PESTGC5
Preparation:	3541	Prep Batch: 460-11102	Initial Weight/Volume:	15.01 g
Dilution:	1.0		Final Weight/Volume:	10 mL
Date Analyzed:	07/09/2009 2220		Injection Volume:	1.0 uL
Date Prepared:	07/08/2009 0950		Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	47		26 - 126
DCB Decachlorobiphenyl	113		48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-3508-1

Client Sample ID: **MW-124:S5**

Lab Sample ID: 460-3508-2 Date Sampled: 07/07/2009 0843
Client Matrix: Solid % Moisture: 20.5 Date Received: 07/07/2009 1545

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 460-12017		Instrument ID:	PESTGC1
Preparation:	3541	Prep Batch: 460-11736		Initial Weight/Volume:	15.03 g
Dilution:	5.0			Final Weight/Volume:	10 mL
Date Analyzed:	07/17/2009 1043			Injection Volume:	1.0 uL
Date Prepared:	07/15/2009 1052			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aldrin		42	U	9.2	42
alpha-BHC		42	U	7.8	42
beta-BHC		57	p	5.7	42
delta-BHC		16	J p	6.4	42
gamma-BHC (Lindane)		40	J p	4.9	42
Chlordane		420	U	91	420
4,4'-DDD		12	J p	5.0	42
4,4'-DDE		12	J p	8.2	42
4,4'-DDT		480	p	5.3	42
Dieldrin		42	U	8.1	42
Endosulfan I		42	U	8.8	42
Endosulfan II		200		6.3	42
Endosulfan sulfate		360	p	5.4	42
Endrin		42	U	5.9	42
Endrin aldehyde		200	p	10	42
Endrin ketone		80	p	6.2	42
Heptachlor		42	p	6.0	42
Heptachlor epoxide		42	U	8.5	42
Methoxychlor		500	p	4.7	42
Toxaphene		420	U	88	420

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	57	p	26 - 126
DCB Decachlorobiphenyl	130	p	48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-3508-1

Client Sample ID: **MW-124:S5**

Lab Sample ID: 460-3508-2 Date Sampled: 07/07/2009 0843
Client Matrix: Solid % Moisture: 20.5 Date Received: 07/07/2009 1545

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 460-12017	Instrument ID:	PESTGC1
Preparation:	3541	Prep Batch: 460-11736	Initial Weight/Volume:	15.03 g
Dilution:	5.0		Final Weight/Volume:	10 mL
Date Analyzed:	07/17/2009 1043		Injection Volume:	1.0 uL
Date Prepared:	07/15/2009 1052		Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	92		26 - 126
DCB Decachlorobiphenyl	6230	E X	48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-3508-1

Client Sample ID: **MW-124:S1**

Lab Sample ID: 460-3508-1 Date Sampled: 07/07/2009 0825
Client Matrix: Solid % Moisture: 17.4 Date Received: 07/07/2009 1545

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 460-11401		Instrument ID:	PESTGC7
Preparation:	3541	Prep Batch: 460-11069		Initial Weight/Volume:	15.02 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	07/09/2009 0613			Injection Volume:	1.0 uL
Date Prepared:	07/08/2009 0714			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		81	U	15	81
Aroclor 1221		81	U	24	81
Aroclor 1232		81	U	46	81
Aroclor 1242		81	U	15	81
Aroclor 1248		81	U	22	81
Aroclor 1254		81	U	28	81
Aroclor 1260		81	U	9.0	81
Aroclor 1262		81	U	14	81
Aroclor 1268		81	U	14	81

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	226	X	48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-3508-1

Client Sample ID: **MW-124:S1**

Lab Sample ID: 460-3508-1 Date Sampled: 07/07/2009 0825
Client Matrix: Solid % Moisture: 17.4 Date Received: 07/07/2009 1545

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 460-11401		Instrument ID:	PESTGC7
Preparation:	3541	Prep Batch: 460-11069		Initial Weight/Volume:	15.02 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	07/09/2009 0613			Injection Volume:	1.0 uL
Date Prepared:	07/08/2009 0714			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	211	X	48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-3508-1

Client Sample ID: **MW-124:S5**

Lab Sample ID: 460-3508-2 Date Sampled: 07/07/2009 0843
Client Matrix: Solid % Moisture: 20.5 Date Received: 07/07/2009 1545

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 460-11401		Instrument ID:	PESTGC7
Preparation:	3541	Prep Batch: 460-11069		Initial Weight/Volume:	15.04 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	07/09/2009 0630			Injection Volume:	1.0 uL
Date Prepared:	07/08/2009 0714			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		84	U	16	84
Aroclor 1221		84	U	25	84
Aroclor 1232		84	U	48	84
Aroclor 1242		84	U	16	84
Aroclor 1248		84	U	22	84
Aroclor 1254		84	U	29	84
Aroclor 1260		84	U	9.4	84
Aroclor 1262		84	U	14	84
Aroclor 1268		84	U	14	84

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	180	X	48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-3508-1

Client Sample ID: **MW-124:S5**

Lab Sample ID: 460-3508-2 Date Sampled: 07/07/2009 0843
Client Matrix: Solid % Moisture: 20.5 Date Received: 07/07/2009 1545

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 460-11401		Instrument ID:	PESTGC7
Preparation:	3541	Prep Batch: 460-11069		Initial Weight/Volume:	15.04 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	07/09/2009 0630			Injection Volume:	1.0 uL
Date Prepared:	07/08/2009 0714			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	168	X	48 - 149

Client: Haley & Aldrich, Inc. Job Number: 460-3508-1

Client Sample ID: **MW-124:S1**

Lab Sample ID: 460-3508-1 Date Sampled: 07/07/2009 0825
Client Matrix: Solid % Moisture: 17.4 Date Received: 07/07/2009 1545

NJ-OQA-QAM-025 New Jersey - Total petroleum Hydrocarbons (GC)

Method:	NJ-OQA-QAM-025	Analysis Batch: 460-11283	Instrument ID:	BNAGC1
Preparation:	3541	Prep Batch: 460-11204	Lab File ID:	gcr34475.d
Dilution:	1.0		Initial Weight/Volume:	14.99 g
Date Analyzed:	07/09/2009 1634		Final Weight/Volume:	1 mL
Date Prepared:	07/08/2009 1916		Injection Volume:	1 uL

Analyte DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL	RL
Total Petroleum Hydrocarbons (C8-C40)	39		6.7	6.7

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	78		46 - 124
Chlorobenzene	71		19 - 98

Client: Haley & Aldrich, Inc. Job Number: 460-3508-1

Client Sample ID: **MW-124:S5**

Lab Sample ID: 460-3508-2 Date Sampled: 07/07/2009 0843
Client Matrix: Solid % Moisture: 20.5 Date Received: 07/07/2009 1545

NJ-OQA-QAM-025 New Jersey - Total petroleum Hydrocarbons (GC)

Method:	NJ-OQA-QAM-025	Analysis Batch: 460-11386		Instrument ID:	BNAGC1
Preparation:	3541	Prep Batch: 460-11204		Lab File ID:	gcr34550.d
Dilution:	20			Initial Weight/Volume:	15.00 g
Date Analyzed:	07/10/2009 1145	Run Type:	DL	Final Weight/Volume:	1 mL
Date Prepared:	07/08/2009 1916			Injection Volume:	1 uL

Analyte DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL	RL
Total Petroleum Hydrocarbons (C8-C40)	3600		140	140

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	0	X D	46 - 124
Chlorobenzene	0	X D	19 - 98

Client: Haley & Aldrich, Inc. Job Number: 460-3508-1

Client Sample ID: **MW-124:S1**

Lab Sample ID: 460-3508-1 Date Sampled: 07/07/2009 0825
Client Matrix: Solid % Moisture: 17.4 Date Received: 07/07/2009 1545

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 460-11241		Instrument ID:	ICP2
Preparation:	3050B	Prep Batch: 460-11066		Lab File ID:	11066V1
Dilution:	4.0			Initial Weight/Volume:	1.02 g
Date Analyzed:	07/08/2009 2027			Final Weight/Volume:	50 mL
Date Prepared:	07/08/2009 0654				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		4950		17.4	47.5
Antimony		2.4	U	1.0	2.4
Arsenic		6.4		0.83	1.2
Barium		75.9		1.4	47.5
Beryllium		0.41	J	0.21	0.47
Cadmium		1.2	U	0.19	1.2
Calcium		24100		31.2	1190
Chromium		11.3		1.4	2.4
Cobalt		5.2	J	1.5	11.9
Copper		82.8		0.97	5.9
Iron		14400		12.6	35.6
Lead		177		0.59	1.2
Magnesium		1500		12.6	1190
Manganese		159		1.3	3.6
Nickel		17.1		0.64	9.5
Potassium		755	J	53.6	1190
Selenium		2.4	U	1.1	2.4
Silver		2.4	U	0.18	2.4
Sodium		900	J	72.9	1190
Thallium		2.4	U	1.1	2.4
Vanadium		18.2		0.62	11.9
Zinc		82.3		1.2	7.1

7471A Mercury (CVAA)

Method:	7471A	Analysis Batch: 460-11284		Instrument ID:	LEEMAN3
Preparation:	7471A	Prep Batch: 460-11247		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	0.62 g
Date Analyzed:	07/09/2009 1327			Final Weight/Volume:	100 mL
Date Prepared:	07/09/2009 0929				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.29		0.030	0.039

Client: Haley & Aldrich, Inc. Job Number: 460-3508-1

Client Sample ID: **MW-124:S5**

Lab Sample ID: 460-3508-2 Date Sampled: 07/07/2009 0843
Client Matrix: Solid % Moisture: 20.5 Date Received: 07/07/2009 1545

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 460-11241		Instrument ID:	ICP2
Preparation:	3050B	Prep Batch: 460-11066		Lab File ID:	11066V1
Dilution:	4.0			Initial Weight/Volume:	1.05 g
Date Analyzed:	07/08/2009 2033			Final Weight/Volume:	50 mL
Date Prepared:	07/08/2009 0753				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		15400		17.6	47.9
Antimony		2.4	U	1.1	2.4
Arsenic		16.0		0.83	1.2
Barium		106		1.4	47.9
Beryllium		1.3		0.21	0.48
Cadmium		1.2	U	0.19	1.2
Calcium		7200		31.5	1200
Chromium		26.3		1.4	2.4
Cobalt		11.3	J	1.5	12.0
Copper		226		0.98	6.0
Iron		25400		12.7	35.9
Lead		177		0.60	1.2
Magnesium		6010		12.7	1200
Manganese		448		1.4	3.6
Nickel		24.6		0.64	9.6
Potassium		1980		54.1	1200
Selenium		1.3	J	1.1	2.4
Silver		2.4	U	0.18	2.4
Sodium		378	J	73.5	1200
Thallium		2.4	U	1.2	2.4
Vanadium		50.0		0.62	12.0
Zinc		186		1.2	7.2

7471A Mercury (CVAA)

Method:	7471A	Analysis Batch: 460-11284		Instrument ID:	LEEMAN3
Preparation:	7471A	Prep Batch: 460-11247		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	0.65 g
Date Analyzed:	07/09/2009 1330			Final Weight/Volume:	100 mL
Date Prepared:	07/09/2009 0929				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.38		0.030	0.038

General Chemistry

Client Sample ID: **MW-124:S1**

Lab Sample ID: 460-3508-1 Date Sampled: 07/07/2009 0825
Client Matrix: Solid Date Received: 07/07/2009 1545

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	17.4		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-11176	Date Analyzed: 07/08/2009 1705						DryWt Corrected: N
Percent Solids	82.6		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-11176	Date Analyzed: 07/08/2009 1705						DryWt Corrected: N

General Chemistry

Client Sample ID: **MW-124:S5**

Lab Sample ID: 460-3508-2 Date Sampled: 07/07/2009 0843
Client Matrix: Solid Date Received: 07/07/2009 1545

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	20.5		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-11176	Date Analyzed: 07/08/2009 1705						DryWt Corrected: N
Percent Solids	79.5		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-11176	Date Analyzed: 07/08/2009 1705						DryWt Corrected: N

09/08/2009

Field Service/Acct. TestAmerica

TestAmerica Edison

THE LEADER IN ENVIRONMENTAL TESTING

Chain of Custody Record

TestAmerica Edison
777 New Durham Road
Edison, NJ 08817
Phone (732) 549-3900 Fax (732) 549-3679

Sampler: Tom Lesinski / Steve Schulze	Lab PM: Sedlak, Alison	Carrier Tracking No(s):	COC No: 460-2399.2
Phone:	E-Mail: alison.sedlak@testamericainc.com		Page: Page 1 of 1
			Job #:

Client Information

Client Contact: Ms. Amy Murphy
Company: Haley & Aldrich, Inc.
Address: 299 Cherry Hill Road
City: Parsippany
State, Zip: NJ
Phone:
Email: akm@haleyaldrich.com
Project Name: 14th Street Viaduct Replacement
Site:

Due Date Requested:
TAT Requested (days): Standard
PO #: 36059
WO #:
Project #: 46003487
SSOW#:

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)

Other:

4158

Special Instructions/Note:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	200.8, 7470A - TAL Metals	624_5ml - TCL VOA + 10	625, 8270C SIM - TCL BN + 15	8081A - TCL Pesticides	Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	X	D	A	N	N	X	
MW-113-072709	7/27/09	0820	G	Water			X	X	X	X	8	1
MW-105-072709	7/27/09	0845	G	Water			X	X	X		6	2
MW-118-072709	7/27/09	0905	G	Water			X	X	X	X	8	3
MW-107-072709	7/27/09	0930	G	Water			X	X	X		6	4
MW-124-072709	7/27/09	1005	G	Water			X	X	X		6	5
MW-127-072709	7/27/09	1035	G	Water			X	X	X		6	6
MW-129-072709	7/27/09	1130	G	Water			X	X	X		6	7
MW-114-072709	7/27/09	1205	G	Water			X	X	X		6	8
MW-112-072709	7/27/09	1240	G	Water			X	X	X		6	9
FB072709	7/27/09	0815	G	Water			X	X	X	X	7	10
TB 072709	7/27/09	0600	G	Water				X			2	11

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month): ☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months

Special Instructions/QC Requirements:

Deliverable Requested: I, II, III, IV, Other (specify)

Method of Shipment:

Empty Kit Relinquished by: Date: Time:

Relinquished by: Tom Lesinski	Date/Time: 7/27/2009 / 1445	Company: TestAmerica	Received by:	Date/Time: 7/27/09 / 14:45	Company: Test America
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No

Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 3.2, 2.3°C IR 9B

Client: Haley & Aldrich, Inc. Job Number: 460-4158-1

Client Sample ID: **MW-103-072709**

Lab Sample ID: 460-4158-1 Date Sampled: 07/27/2009 0820
Client Matrix: Water Date Received: 07/27/2009 1445

624 Volatile Organic Compounds (GC/MS)

Method:	624	Analysis Batch: 460-13091	Instrument ID:	VOAMS10
Preparation:	N/A		Lab File ID:	r11325.d
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	07/30/2009 0329		Final Weight/Volume:	5 mL
Date Prepared:				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Chloromethane	1.0	U	0.21	1.0
Bromomethane	1.0	U	0.31	1.0
Vinyl chloride	1.0	U	0.13	1.0
Chloroethane	1.0	U	0.45	1.0
Methylene Chloride	0.62	J	0.19	1.0
Acetone	10	U	2.5	10
Carbon disulfide	1.0	U	0.15	1.0
1,1-Dichloroethene	1.0	U	0.14	1.0
1,1-Dichloroethane	1.0	U	0.10	1.0
trans-1,2-Dichloroethene	1.0	U	0.14	1.0
cis-1,2-Dichloroethene	1.0	U	0.20	1.0
Chloroform	1.0	U	0.15	1.0
1,2-Dichloroethane	1.0	U	0.24	1.0
2-Butanone	10	U	0.82	10
1,1,1-Trichloroethane	1.0	U	0.25	1.0
Carbon tetrachloride	1.0	U	0.19	1.0
Bromodichloromethane	1.0	U	0.093	1.0
1,2-Dichloropropane	1.0	U	0.090	1.0
cis-1,3-Dichloropropene	1.0	U	0.11	1.0
Trichloroethene	1.0	U	0.18	1.0
Dibromochloromethane	1.0	U	0.11	1.0
1,1,2-Trichloroethane	1.0	U	0.10	1.0
Benzene	1.0	U	0.13	1.0
trans-1,3-Dichloropropene	1.0	U	0.12	1.0
Bromoform	1.0	U	0.10	1.0
4-Methyl-2-pentanone	10	U	0.68	10
2-Hexanone	10	U	0.55	10
Tetrachloroethene	1.0	U	0.20	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.090	1.0
Toluene	1.0	U	0.090	1.0
Chlorobenzene	1.0	U	0.16	1.0
Ethylbenzene	1.0	U	0.25	1.0
Styrene	1.0	U	0.13	1.0
Xylenes, Total	3.0	U	0.43	3.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	100		76 - 128
Toluene-d8 (Surr)	105		73 - 122
Bromofluorobenzene	103		75 - 126

Client: Haley & Aldrich, Inc. Job Number: 460-4158-1

Client Sample ID: **MW-103-072709**

Lab Sample ID: 460-4158-1 Date Sampled: 07/27/2009 0820
Client Matrix: Water Date Received: 07/27/2009 1445

624 Volatile Organic Compounds (GC/MS)

Method:	624	Analysis Batch: 460-13091	Instrument ID:	VOAMS10
Preparation:	N/A		Lab File ID:	r11325.d
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	07/30/2009 0329		Final Weight/Volume:	5 mL
Date Prepared:				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Tentatively Identified Compound		None	

Client: Haley & Aldrich, Inc. Job Number: 460-4158-1

Client Sample ID: **MW-105-072709**

Lab Sample ID: 460-4158-2 Date Sampled: 07/27/2009 0845
Client Matrix: Water Date Received: 07/27/2009 1445

624 Volatile Organic Compounds (GC/MS)

Method:	624	Analysis Batch: 460-13091	Instrument ID:	VOAMS10
Preparation:	N/A		Lab File ID:	r11328.d
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	07/30/2009 0437		Final Weight/Volume:	5 mL
Date Prepared:				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Chloromethane	1.0	U	0.21	1.0
Bromomethane	1.0	U	0.31	1.0
Vinyl chloride	1.0	U	0.13	1.0
Chloroethane	1.0	U	0.45	1.0
Methylene Chloride	1.0	U	0.19	1.0
Acetone	10	U	2.5	10
Carbon disulfide	1.0	U	0.15	1.0
1,1-Dichloroethene	1.0	U	0.14	1.0
1,1-Dichloroethane	1.0	U	0.10	1.0
trans-1,2-Dichloroethene	1.0	U	0.14	1.0
cis-1,2-Dichloroethene	1.0	U	0.20	1.0
Chloroform	1.0	U	0.15	1.0
1,2-Dichloroethane	1.0	U	0.24	1.0
2-Butanone	10	U	0.82	10
1,1,1-Trichloroethane	1.0	U	0.25	1.0
Carbon tetrachloride	1.0	U	0.19	1.0
Bromodichloromethane	1.0	U	0.093	1.0
1,2-Dichloropropane	1.0	U	0.090	1.0
cis-1,3-Dichloropropene	1.0	U	0.11	1.0
Trichloroethene	1.0	U	0.18	1.0
Dibromochloromethane	1.0	U	0.11	1.0
1,1,2-Trichloroethane	1.0	U	0.10	1.0
Benzene	1.0	U	0.13	1.0
trans-1,3-Dichloropropene	1.0	U	0.12	1.0
Bromoform	1.0	U	0.10	1.0
4-Methyl-2-pentanone	10	U	0.68	10
2-Hexanone	10	U	0.55	10
Tetrachloroethene	1.0	U	0.20	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.090	1.0
Toluene	1.0	U	0.090	1.0
Chlorobenzene	1.0	U	0.16	1.0
Ethylbenzene	1.0	U	0.25	1.0
Styrene	1.0	U	0.13	1.0
Xylenes, Total	3.0	U	0.43	3.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	102		76 - 128
Toluene-d8 (Surr)	108		73 - 122
Bromofluorobenzene	99		75 - 126

Client: Haley & Aldrich, Inc. Job Number: 460-4158-1

Client Sample ID: **MW-105-072709**

Lab Sample ID: 460-4158-2 Date Sampled: 07/27/2009 0845
Client Matrix: Water Date Received: 07/27/2009 1445

624 Volatile Organic Compounds (GC/MS)

Method:	624	Analysis Batch: 460-13091	Instrument ID:	VOAMS10
Preparation:	N/A		Lab File ID:	r11328.d
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	07/30/2009 0437		Final Weight/Volume:	5 mL
Date Prepared:				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Tentatively Identified Compound		None	

Client: Haley & Aldrich, Inc. Job Number: 460-4158-1

Client Sample ID: **MW-118-072709**

Lab Sample ID: 460-4158-3 Date Sampled: 07/27/2009 0905
Client Matrix: Water Date Received: 07/27/2009 1445

624 Volatile Organic Compounds (GC/MS)

Method:	624	Analysis Batch: 460-13091	Instrument ID:	VOAMS10
Preparation:	N/A		Lab File ID:	r11329.d
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	07/30/2009 0459		Final Weight/Volume:	5 mL
Date Prepared:				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Chloromethane	1.0	U	0.21	1.0
Bromomethane	1.0	U	0.31	1.0
Vinyl chloride	1.0	U	0.13	1.0
Chloroethane	1.0	U	0.45	1.0
Methylene Chloride	1.0	U	0.19	1.0
Acetone	10	U	2.5	10
Carbon disulfide	1.0	U	0.15	1.0
1,1-Dichloroethene	1.0	U	0.14	1.0
1,1-Dichloroethane	1.0	U	0.10	1.0
trans-1,2-Dichloroethene	1.0	U	0.14	1.0
cis-1,2-Dichloroethene	1.0	U	0.20	1.0
Chloroform	0.64	J	0.15	1.0
1,2-Dichloroethane	1.0	U	0.24	1.0
2-Butanone	10	U	0.82	10
1,1,1-Trichloroethane	1.0	U	0.25	1.0
Carbon tetrachloride	1.0	U	0.19	1.0
Bromodichloromethane	1.0	U	0.093	1.0
1,2-Dichloropropane	1.0	U	0.090	1.0
cis-1,3-Dichloropropene	1.0	U	0.11	1.0
Trichloroethene	1.0	U	0.18	1.0
Dibromochloromethane	1.0	U	0.11	1.0
1,1,2-Trichloroethane	1.0	U	0.10	1.0
Benzene	1.0	U	0.13	1.0
trans-1,3-Dichloropropene	1.0	U	0.12	1.0
Bromoform	1.0	U	0.10	1.0
4-Methyl-2-pentanone	10	U	0.68	10
2-Hexanone	10	U	0.55	10
Tetrachloroethene	1.0	U	0.20	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.090	1.0
Toluene	1.0	U	0.090	1.0
Chlorobenzene	1.0	U	0.16	1.0
Ethylbenzene	1.0	U	0.25	1.0
Styrene	1.0	U	0.13	1.0
Xylenes, Total	3.0	U	0.43	3.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	105		76 - 128
Toluene-d8 (Surr)	106		73 - 122
Bromofluorobenzene	103		75 - 126

Client: Haley & Aldrich, Inc. Job Number: 460-4158-1

Client Sample ID: **MW-118-072709**

Lab Sample ID: 460-4158-3 Date Sampled: 07/27/2009 0905
Client Matrix: Water Date Received: 07/27/2009 1445

624 Volatile Organic Compounds (GC/MS)

Method:	624	Analysis Batch: 460-13091	Instrument ID:	VOAMS10
Preparation:	N/A		Lab File ID:	r11329.d
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	07/30/2009 0459		Final Weight/Volume:	5 mL
Date Prepared:				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Tentatively Identified Compound		None	

Client: Haley & Aldrich, Inc. Job Number: 460-4158-1

Client Sample ID: **MW-107-072709**

Lab Sample ID: 460-4158-4 Date Sampled: 07/27/2009 0930
Client Matrix: Water Date Received: 07/27/2009 1445

624 Volatile Organic Compounds (GC/MS)

Method:	624	Analysis Batch: 460-13091	Instrument ID:	VOAMS10
Preparation:	N/A		Lab File ID:	r11333.d
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	07/30/2009 0629		Final Weight/Volume:	5 mL
Date Prepared:				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Chloromethane	1.0	U	0.21	1.0
Bromomethane	1.0	U	0.31	1.0
Vinyl chloride	1.0	U	0.13	1.0
Chloroethane	1.0	U	0.45	1.0
Methylene Chloride	1.0	U	0.19	1.0
Acetone	10	U	2.5	10
Carbon disulfide	1.0	U	0.15	1.0
1,1-Dichloroethene	1.0	U	0.14	1.0
1,1-Dichloroethane	1.0	U	0.10	1.0
trans-1,2-Dichloroethene	1.0	U	0.14	1.0
cis-1,2-Dichloroethene	1.0	U	0.20	1.0
Chloroform	0.22	J	0.15	1.0
1,2-Dichloroethane	1.0	U	0.24	1.0
2-Butanone	10	U	0.82	10
1,1,1-Trichloroethane	1.0	U	0.25	1.0
Carbon tetrachloride	1.0	U	0.19	1.0
Bromodichloromethane	1.0	U	0.093	1.0
1,2-Dichloropropane	1.0	U	0.090	1.0
cis-1,3-Dichloropropene	1.0	U	0.11	1.0
Trichloroethene	1.0	U	0.18	1.0
Dibromochloromethane	1.0	U	0.11	1.0
1,1,2-Trichloroethane	1.0	U	0.10	1.0
Benzene	1.8		0.13	1.0
trans-1,3-Dichloropropene	1.0	U	0.12	1.0
Bromoform	1.0	U	0.10	1.0
4-Methyl-2-pentanone	10	U	0.68	10
2-Hexanone	10	U	0.55	10
Tetrachloroethene	1.0	U	0.20	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.090	1.0
Toluene	3.7		0.090	1.0
Chlorobenzene	1.0	U	0.16	1.0
Ethylbenzene	3.6		0.25	1.0
Styrene	1.0	U	0.13	1.0
Xylenes, Total	1.4	J	0.43	3.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	101		76 - 128
Toluene-d8 (Surr)	109		73 - 122
Bromofluorobenzene	107		75 - 126

Client: Haley & Aldrich, Inc. Job Number: 460-4158-1

Client Sample ID: **MW-107-072709**

Lab Sample ID: 460-4158-4 Date Sampled: 07/27/2009 0930
Client Matrix: Water Date Received: 07/27/2009 1445

624 Volatile Organic Compounds (GC/MS)

Method:	624	Analysis Batch: 460-13091	Instrument ID:	VOAMS10
Preparation:	N/A		Lab File ID:	r11333.d
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	07/30/2009 0629		Final Weight/Volume:	5 mL
Date Prepared:				

Tentatively Identified Compounds **Number TIC's Found:** **10**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
98-82-8	Isopropylbenzene	11.29	25	
	Ethylmethylbenzene isomer	12.06	40	T J
	C9H10 Aromatic	12.74	230	T J
	Ethyldimethylbenzene isomer	13.03	17	T J
	C10H14 Aromatic	13.12	63	T J
	C10H12 Aromatic	13.23	50	T J
	2,3-dihydro-methyl-1H-Indene isomer	13.76	72	T J
	2,3-dihydro-methyl-1H-Indene isomer-2	13.92	140	T J
91-20-3	Naphthalene	14.56	22	
	Methylnaphthalene isomer	16.22	29	T J

Client: Haley & Aldrich, Inc. Job Number: 460-4158-1

Client Sample ID: **MW-124-072709**

Lab Sample ID: 460-4158-5 Date Sampled: 07/27/2009 1005
Client Matrix: Water Date Received: 07/27/2009 1445

624 Volatile Organic Compounds (GC/MS)

Method:	624	Analysis Batch: 460-13091	Instrument ID:	VOAMS10
Preparation:	N/A		Lab File ID:	r11334.d
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	07/30/2009 0654		Final Weight/Volume:	5 mL
Date Prepared:				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Chloromethane	1.0	U	0.21	1.0
Bromomethane	1.0	U	0.31	1.0
Vinyl chloride	1.0	U	0.13	1.0
Chloroethane	1.0	U	0.45	1.0
Methylene Chloride	1.0	U	0.19	1.0
Acetone	10	U	2.5	10
Carbon disulfide	1.0	U	0.15	1.0
1,1-Dichloroethene	1.0	U	0.14	1.0
1,1-Dichloroethane	1.0	U	0.10	1.0
trans-1,2-Dichloroethene	1.0	U	0.14	1.0
cis-1,2-Dichloroethene	1.0	U	0.20	1.0
Chloroform	0.25	J	0.15	1.0
1,2-Dichloroethane	1.0	U	0.24	1.0
2-Butanone	10	U	0.82	10
1,1,1-Trichloroethane	1.0	U	0.25	1.0
Carbon tetrachloride	1.0	U	0.19	1.0
Bromodichloromethane	1.0	U	0.093	1.0
1,2-Dichloropropane	1.0	U	0.090	1.0
cis-1,3-Dichloropropene	1.0	U	0.11	1.0
Trichloroethene	1.0	U	0.18	1.0
Dibromochloromethane	1.0	U	0.11	1.0
1,1,2-Trichloroethane	1.0	U	0.10	1.0
Benzene	37		0.13	1.0
trans-1,3-Dichloropropene	1.0	U	0.12	1.0
Bromoform	1.0	U	0.10	1.0
4-Methyl-2-pentanone	10	U	0.68	10
2-Hexanone	10	U	0.55	10
Tetrachloroethene	1.0	U	0.20	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.090	1.0
Toluene	0.77	J	0.090	1.0
Chlorobenzene	1.0	U	0.16	1.0
Ethylbenzene	12		0.25	1.0
Styrene	1.0	U	0.13	1.0
Xylenes, Total	3.2		0.43	3.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	104		76 - 128
Toluene-d8 (Surr)	108		73 - 122
Bromofluorobenzene	100		75 - 126

Client: Haley & Aldrich, Inc. Job Number: 460-4158-1

Client Sample ID: **MW-124-072709**

Lab Sample ID: 460-4158-5 Date Sampled: 07/27/2009 1005
Client Matrix: Water Date Received: 07/27/2009 1445

624 Volatile Organic Compounds (GC/MS)

Method:	624	Analysis Batch: 460-13091	Instrument ID:	VOAMS10
Preparation:	N/A		Lab File ID:	r11334.d
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	07/30/2009 0654		Final Weight/Volume:	5 mL
Date Prepared:				

Tentatively Identified Compounds **Number TIC's Found:** **10**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	C9H10 Aromatic	12.73	300	T J
	C10H14 Aromatic	13.13	27	T J
	C10H12 Aromatic	13.22	120	T J
	2,3-dihydro-methyl-1H-Indene isomer	13.76	100	T J
	2,3-dihydro-methyl-1H-Indene isomer-2	13.91	160	T J
	C10H10 Aromatic	14.08	41	T J
	2,3-dihydro-dimethyl-1H-Indene isomer	14.22	34	T J
91-20-3	Naphthalene	14.56	130	
91-57-6	Naphthalene, 2-methyl-	15.94	210	T J N
90-12-0	Naphthalene, 1-methyl-	16.22	240	T J N

Client: Haley & Aldrich, Inc. Job Number: 460-4158-1

Client Sample ID: **MW-127-072709**

Lab Sample ID: 460-4158-6 Date Sampled: 07/27/2009 1035
Client Matrix: Water Date Received: 07/27/2009 1445

624 Volatile Organic Compounds (GC/MS)

Method:	624	Analysis Batch: 460-13091	Instrument ID:	VOAMS10
Preparation:	N/A		Lab File ID:	r11330.d
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	07/30/2009 0522		Final Weight/Volume:	5 mL
Date Prepared:				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Chloromethane	1.0	U	0.21	1.0
Bromomethane	1.0	U	0.31	1.0
Vinyl chloride	1.0	U	0.13	1.0
Chloroethane	1.0	U	0.45	1.0
Methylene Chloride	1.0	U	0.19	1.0
Acetone	10	U	2.5	10
Carbon disulfide	1.0	U	0.15	1.0
1,1-Dichloroethene	1.0	U	0.14	1.0
1,1-Dichloroethane	1.0	U	0.10	1.0
trans-1,2-Dichloroethene	1.0	U	0.14	1.0
cis-1,2-Dichloroethene	1.0	U	0.20	1.0
Chloroform	3.0		0.15	1.0
1,2-Dichloroethane	1.0	U	0.24	1.0
2-Butanone	10	U	0.82	10
1,1,1-Trichloroethane	1.0	U	0.25	1.0
Carbon tetrachloride	1.0	U	0.19	1.0
Bromodichloromethane	0.41	J	0.093	1.0
1,2-Dichloropropane	1.0	U	0.090	1.0
cis-1,3-Dichloropropene	1.0	U	0.11	1.0
Trichloroethene	1.0	U	0.18	1.0
Dibromochloromethane	1.0	U	0.11	1.0
1,1,2-Trichloroethane	1.0	U	0.10	1.0
Benzene	0.89	J	0.13	1.0
trans-1,3-Dichloropropene	1.0	U	0.12	1.0
Bromoform	1.0	U	0.10	1.0
4-Methyl-2-pentanone	10	U	0.68	10
2-Hexanone	10	U	0.55	10
Tetrachloroethene	1.0	U	0.20	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.090	1.0
Toluene	1.0	U	0.090	1.0
Chlorobenzene	1.0	U	0.16	1.0
Ethylbenzene	1.0	U	0.25	1.0
Styrene	1.0	U	0.13	1.0
Xylenes, Total	3.0	U	0.43	3.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	100		76 - 128
Toluene-d8 (Surr)	105		73 - 122
Bromofluorobenzene	102		75 - 126

Client: Haley & Aldrich, Inc. Job Number: 460-4158-1

Client Sample ID: **MW-127-072709**

Lab Sample ID: 460-4158-6 Date Sampled: 07/27/2009 1035
Client Matrix: Water Date Received: 07/27/2009 1445

624 Volatile Organic Compounds (GC/MS)

Method:	624	Analysis Batch: 460-13091	Instrument ID:	VOAMS10
Preparation:	N/A		Lab File ID:	r11330.d
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	07/30/2009 0522		Final Weight/Volume:	5 mL
Date Prepared:				

Tentatively Identified Compounds **Number TIC's Found:** 1

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Tentatively Identified Compound		None	
91-20-3	Naphthalene	14.56	36	

Client: Haley & Aldrich, Inc. Job Number: 460-4158-1

Client Sample ID: **MW-129-072709**

Lab Sample ID: 460-4158-7 Date Sampled: 07/27/2009 1130
Client Matrix: Water Date Received: 07/27/2009 1445

624 Volatile Organic Compounds (GC/MS)

Method:	624	Analysis Batch: 460-13091	Instrument ID:	VOAMS10
Preparation:	N/A		Lab File ID:	r11335.d
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	07/30/2009 0719		Final Weight/Volume:	5 mL
Date Prepared:				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Chloromethane	1.0	U	0.21	1.0
Bromomethane	1.0	U	0.31	1.0
Vinyl chloride	1.0	U	0.13	1.0
Chloroethane	1.0	U	0.45	1.0
Methylene Chloride	1.0	U	0.19	1.0
Acetone	10	U	2.5	10
Carbon disulfide	1.0	U	0.15	1.0
1,1-Dichloroethene	1.0	U	0.14	1.0
1,1-Dichloroethane	1.0	U	0.10	1.0
trans-1,2-Dichloroethene	1.0	U	0.14	1.0
cis-1,2-Dichloroethene	1.0	U	0.20	1.0
Chloroform	0.37	J	0.15	1.0
1,2-Dichloroethane	1.0	U	0.24	1.0
2-Butanone	10	U	0.82	10
1,1,1-Trichloroethane	1.0	U	0.25	1.0
Carbon tetrachloride	1.0	U	0.19	1.0
Bromodichloromethane	1.0	U	0.093	1.0
1,2-Dichloropropane	1.0	U	0.090	1.0
cis-1,3-Dichloropropene	1.0	U	0.11	1.0
Trichloroethene	1.0	U	0.18	1.0
Dibromochloromethane	1.0	U	0.11	1.0
1,1,2-Trichloroethane	1.0	U	0.10	1.0
Benzene	39		0.13	1.0
trans-1,3-Dichloropropene	1.0	U	0.12	1.0
Bromoform	1.0	U	0.10	1.0
4-Methyl-2-pentanone	10	U	0.68	10
2-Hexanone	10	U	0.55	10
Tetrachloroethene	1.0	U	0.20	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.090	1.0
Toluene	2.5		0.090	1.0
Chlorobenzene	1.0	U	0.16	1.0
Ethylbenzene	110		0.25	1.0
Styrene	1.0	U	0.13	1.0
Xylenes, Total	69		0.43	3.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	112		76 - 128
Toluene-d8 (Surr)	104		73 - 122
Bromofluorobenzene	103		75 - 126

Client: Haley & Aldrich, Inc. Job Number: 460-4158-1

Client Sample ID: **MW-129-072709**

Lab Sample ID: 460-4158-7 Date Sampled: 07/27/2009 1130
Client Matrix: Water Date Received: 07/27/2009 1445

624 Volatile Organic Compounds (GC/MS)

Method:	624	Analysis Batch: 460-13091	Instrument ID:	VOAMS10
Preparation:	N/A		Lab File ID:	r11335.d
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	07/30/2009 0719		Final Weight/Volume:	5 mL
Date Prepared:				

Tentatively Identified Compounds **Number TIC's Found:** **10**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
95-63-6	1,2,4-Trimethylbenzene	12.22	260	
	Trimethylbenzene isomer	12.57	130	T J
	C9H10 Aromatic	12.73	470	T J
	C10H12 Aromatic	13.22	170	T J
	2,3-dihydro-methyl-1H-Indene isomer	13.76	160	T J
	C10H12 Aromatic-2	13.91	120	T J
	C10H10 Aromatic-2	14.08	320	T J
91-20-3	Naphthalene	14.58	2000	E
91-57-6	Naphthalene, 2-methyl-	15.94	280	T J N
90-12-0	Naphthalene, 1-methyl-	16.22	300	T J N

Client: Haley & Aldrich, Inc. Job Number: 460-4158-1

Client Sample ID: **MW-114-072709**

Lab Sample ID: 460-4158-8 Date Sampled: 07/27/2009 1205
Client Matrix: Water Date Received: 07/27/2009 1445

624 Volatile Organic Compounds (GC/MS)

Method:	624	Analysis Batch: 460-13091	Instrument ID:	VOAMS10
Preparation:	N/A		Lab File ID:	r11331.d
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	07/30/2009 0544		Final Weight/Volume:	5 mL
Date Prepared:				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Chloromethane	1.0	U	0.21	1.0
Bromomethane	1.0	U	0.31	1.0
Vinyl chloride	1.0	U	0.13	1.0
Chloroethane	1.0	U	0.45	1.0
Methylene Chloride	1.0	U	0.19	1.0
Acetone	10	U	2.5	10
Carbon disulfide	1.0	U	0.15	1.0
1,1-Dichloroethene	1.0	U	0.14	1.0
1,1-Dichloroethane	1.0	U	0.10	1.0
trans-1,2-Dichloroethene	1.0	U	0.14	1.0
cis-1,2-Dichloroethene	1.0	U	0.20	1.0
Chloroform	1.0	U	0.15	1.0
1,2-Dichloroethane	1.0	U	0.24	1.0
2-Butanone	10	U	0.82	10
1,1,1-Trichloroethane	1.0	U	0.25	1.0
Carbon tetrachloride	1.0	U	0.19	1.0
Bromodichloromethane	1.0	U	0.093	1.0
1,2-Dichloropropane	1.0	U	0.090	1.0
cis-1,3-Dichloropropene	1.0	U	0.11	1.0
Trichloroethene	1.0	U	0.18	1.0
Dibromochloromethane	1.0	U	0.11	1.0
1,1,2-Trichloroethane	1.0	U	0.10	1.0
Benzene	35		0.13	1.0
trans-1,3-Dichloropropene	1.0	U	0.12	1.0
Bromoform	1.0	U	0.10	1.0
4-Methyl-2-pentanone	10	U	0.68	10
2-Hexanone	10	U	0.55	10
Tetrachloroethene	1.0	U	0.20	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.090	1.0
Toluene	0.42	J	0.090	1.0
Chlorobenzene	1.0	U	0.16	1.0
Ethylbenzene	7.4		0.25	1.0
Styrene	1.0	U	0.13	1.0
Xylenes, Total	7.2		0.43	3.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	107		76 - 128
Toluene-d8 (Surr)	109		73 - 122
Bromofluorobenzene	101		75 - 126

Client: Haley & Aldrich, Inc. Job Number: 460-4158-1

Client Sample ID: **MW-114-072709**

Lab Sample ID: 460-4158-8 Date Sampled: 07/27/2009 1205
Client Matrix: Water Date Received: 07/27/2009 1445

624 Volatile Organic Compounds (GC/MS)

Method:	624	Analysis Batch: 460-13091	Instrument ID:	VOAMS10
Preparation:	N/A		Lab File ID:	r11331.d
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	07/30/2009 0544		Final Weight/Volume:	5 mL
Date Prepared:				

Tentatively Identified Compounds **Number TIC's Found:** **3**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
75-65-0	2-Methyl-2-propanol	2.94	270	
	C9H10 Aromatic	12.73	22	T J
91-20-3	Naphthalene	14.57	47	

Client: Haley & Aldrich, Inc. Job Number: 460-4158-1

Client Sample ID: **MW-112-072709**

Lab Sample ID: 460-4158-9 Date Sampled: 07/27/2009 1240
Client Matrix: Water Date Received: 07/27/2009 1445

624 Volatile Organic Compounds (GC/MS)

Method:	624	Analysis Batch: 460-13092	Instrument ID:	VOAMS10
Preparation:	N/A		Lab File ID:	r11375.d
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	07/31/2009 0935		Final Weight/Volume:	5 mL
Date Prepared:				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Chloromethane	1.0	U	0.21	1.0
Bromomethane	1.0	U	0.31	1.0
Vinyl chloride	1.0	U	0.13	1.0
Chloroethane	1.0	U	0.45	1.0
Methylene Chloride	1.0	U	0.19	1.0
Acetone	10	U	2.5	10
Carbon disulfide	1.0	U	0.15	1.0
1,1-Dichloroethene	1.0	U	0.14	1.0
1,1-Dichloroethane	1.0	U	0.10	1.0
trans-1,2-Dichloroethene	1.0	U	0.14	1.0
cis-1,2-Dichloroethene	1.0	U	0.20	1.0
Chloroform	1.0	U	0.15	1.0
1,2-Dichloroethane	1.0	U	0.24	1.0
2-Butanone	10	U	0.82	10
1,1,1-Trichloroethane	1.0	U	0.25	1.0
Carbon tetrachloride	1.0	U	0.19	1.0
Bromodichloromethane	1.0	U	0.093	1.0
1,2-Dichloropropane	1.0	U	0.090	1.0
cis-1,3-Dichloropropene	1.0	U	0.11	1.0
Trichloroethene	1.0	U	0.18	1.0
Dibromochloromethane	1.0	U	0.11	1.0
1,1,2-Trichloroethane	1.0	U	0.10	1.0
Benzene	82		0.13	1.0
trans-1,3-Dichloropropene	1.0	U	0.12	1.0
Bromoform	1.0	U	0.10	1.0
4-Methyl-2-pentanone	10	U	0.68	10
2-Hexanone	10	U	0.55	10
Tetrachloroethene	1.0	U	0.20	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.090	1.0
Toluene	0.95	J	0.090	1.0
Chlorobenzene	0.35	J	0.16	1.0
Ethylbenzene	1.2		0.25	1.0
Styrene	1.0	U	0.13	1.0
Xylenes, Total	3.4		0.43	3.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	119		76 - 128
Toluene-d8 (Surr)	105		73 - 122
Bromofluorobenzene	98		75 - 126

Client: Haley & Aldrich, Inc. Job Number: 460-4158-1

Client Sample ID: **MW-112-072709**

Lab Sample ID: 460-4158-9 Date Sampled: 07/27/2009 1240
Client Matrix: Water Date Received: 07/27/2009 1445

624 Volatile Organic Compounds (GC/MS)

Method:	624	Analysis Batch: 460-13092	Instrument ID:	VOAMS10
Preparation:	N/A		Lab File ID:	r11375.d
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	07/31/2009 0935		Final Weight/Volume:	5 mL
Date Prepared:				

Tentatively Identified Compounds **Number TIC's Found:** **10**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
75-65-0	2-Methyl-2-propanol	2.94	36	
	Ethylmethylbenzene isomer	12.07	8.7	T J
496-11-7	Indane	12.74	100	T J N
	Methyl-methylethylbenzene isomer	13.13	8.8	T J
	C10H12 Aromatic	13.23	43	T J
	Unknown	13.53	9.1	T J
	C10H12 Aromatic-1	13.77	30	T J
	C10H12 Aromatic-2	13.92	47	T J
	C10H10 Aromatic	14.09	15	T J
	Methylnaphthalene isomer	16.23	43	T J

Client: Haley & Aldrich, Inc. Job Number: 460-4158-1

Client Sample ID: **FB072709**

Lab Sample ID: 460-4158-10FB Date Sampled: 07/27/2009 0815
Client Matrix: Water Date Received: 07/27/2009 1445

624 Volatile Organic Compounds (GC/MS)

Method:	624	Analysis Batch: 460-13091	Instrument ID:	VOAMS10
Preparation:	N/A		Lab File ID:	r11326.d
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	07/30/2009 0352		Final Weight/Volume:	5 mL
Date Prepared:				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Chloromethane	1.0	U	0.21	1.0
Bromomethane	1.0	U	0.31	1.0
Vinyl chloride	1.0	U	0.13	1.0
Chloroethane	1.0	U	0.45	1.0
Methylene Chloride	1.0	U	0.19	1.0
Acetone	10	U	2.5	10
Carbon disulfide	1.0	U	0.15	1.0
1,1-Dichloroethene	1.0	U	0.14	1.0
1,1-Dichloroethane	1.0	U	0.10	1.0
trans-1,2-Dichloroethene	1.0	U	0.14	1.0
cis-1,2-Dichloroethene	1.0	U	0.20	1.0
Chloroform	1.0	U	0.15	1.0
1,2-Dichloroethane	1.0	U	0.24	1.0
2-Butanone	10	U	0.82	10
1,1,1-Trichloroethane	1.0	U	0.25	1.0
Carbon tetrachloride	1.0	U	0.19	1.0
Bromodichloromethane	1.0	U	0.093	1.0
1,2-Dichloropropane	1.0	U	0.090	1.0
cis-1,3-Dichloropropene	1.0	U	0.11	1.0
Trichloroethene	1.0	U	0.18	1.0
Dibromochloromethane	1.0	U	0.11	1.0
1,1,2-Trichloroethane	1.0	U	0.10	1.0
Benzene	1.0	U	0.13	1.0
trans-1,3-Dichloropropene	1.0	U	0.12	1.0
Bromoform	1.0	U	0.10	1.0
4-Methyl-2-pentanone	10	U	0.68	10
2-Hexanone	10	U	0.55	10
Tetrachloroethene	1.0	U	0.20	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.090	1.0
Toluene	1.0	U	0.090	1.0
Chlorobenzene	1.0	U	0.16	1.0
Ethylbenzene	1.0	U	0.25	1.0
Styrene	1.0	U	0.13	1.0
Xylenes, Total	3.0	U	0.43	3.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	106		76 - 128
Toluene-d8 (Surr)	106		73 - 122
Bromofluorobenzene	100		75 - 126

Client: Haley & Aldrich, Inc. Job Number: 460-4158-1

Client Sample ID: **FB072709**

Lab Sample ID: 460-4158-10FB Date Sampled: 07/27/2009 0815
Client Matrix: Water Date Received: 07/27/2009 1445

624 Volatile Organic Compounds (GC/MS)

Method:	624	Analysis Batch: 460-13091	Instrument ID:	VOAMS10
Preparation:	N/A		Lab File ID:	r11326.d
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	07/30/2009 0352		Final Weight/Volume:	5 mL
Date Prepared:				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Tentatively Identified Compound		None	

Client: Haley & Aldrich, Inc. Job Number: 460-4158-1

Client Sample ID: **TB072709**

Lab Sample ID: 460-4158-11TB Date Sampled: 07/27/2009 0600
Client Matrix: Water Date Received: 07/27/2009 1445

624 Volatile Organic Compounds (GC/MS)

Method:	624	Analysis Batch: 460-13091	Instrument ID:	VOAMS10
Preparation:	N/A		Lab File ID:	r11327.d
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	07/30/2009 0414		Final Weight/Volume:	5 mL
Date Prepared:				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Chloromethane	1.0	U	0.21	1.0
Bromomethane	1.0	U	0.31	1.0
Vinyl chloride	1.0	U	0.13	1.0
Chloroethane	1.0	U	0.45	1.0
Methylene Chloride	1.0	U	0.19	1.0
Acetone	10	U	2.5	10
Carbon disulfide	1.0	U	0.15	1.0
1,1-Dichloroethene	1.0	U	0.14	1.0
1,1-Dichloroethane	1.0	U	0.10	1.0
trans-1,2-Dichloroethene	1.0	U	0.14	1.0
cis-1,2-Dichloroethene	1.0	U	0.20	1.0
Chloroform	1.0	U	0.15	1.0
1,2-Dichloroethane	1.0	U	0.24	1.0
2-Butanone	10	U	0.82	10
1,1,1-Trichloroethane	1.0	U	0.25	1.0
Carbon tetrachloride	1.0	U	0.19	1.0
Bromodichloromethane	1.0	U	0.093	1.0
1,2-Dichloropropane	1.0	U	0.090	1.0
cis-1,3-Dichloropropene	1.0	U	0.11	1.0
Trichloroethene	1.0	U	0.18	1.0
Dibromochloromethane	1.0	U	0.11	1.0
1,1,2-Trichloroethane	1.0	U	0.10	1.0
Benzene	1.0	U	0.13	1.0
trans-1,3-Dichloropropene	1.0	U	0.12	1.0
Bromoform	1.0	U	0.10	1.0
4-Methyl-2-pentanone	10	U	0.68	10
2-Hexanone	10	U	0.55	10
Tetrachloroethene	1.0	U	0.20	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.090	1.0
Toluene	1.0	U	0.090	1.0
Chlorobenzene	1.0	U	0.16	1.0
Ethylbenzene	1.0	U	0.25	1.0
Styrene	1.0	U	0.13	1.0
Xylenes, Total	3.0	U	0.43	3.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	108		76 - 128
Toluene-d8 (Surr)	106		73 - 122
Bromofluorobenzene	101		75 - 126

Client: Haley & Aldrich, Inc. Job Number: 460-4158-1

Client Sample ID: **TB072709**

Lab Sample ID: 460-4158-11TB Date Sampled: 07/27/2009 0600
Client Matrix: Water Date Received: 07/27/2009 1445

624 Volatile Organic Compounds (GC/MS)

Method:	624	Analysis Batch: 460-13091	Instrument ID:	VOAMS10
Preparation:	N/A		Lab File ID:	r11327.d
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	07/30/2009 0414		Final Weight/Volume:	5 mL
Date Prepared:				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Tentatively Identified Compound		None	

Client: Haley & Aldrich, Inc. Job Number: 460-4158-1

Client Sample ID: **MW-103-072709**

Lab Sample ID: 460-4158-1 Date Sampled: 07/27/2009 0820
Client Matrix: Water Date Received: 07/27/2009 1445

625 Semivolatile Organic Compounds (GC/MS)

Method:	625	Analysis Batch: 460-13273		Instrument ID:	BNAMS5
Preparation:	625	Prep Batch: 460-12860		Lab File ID:	x1630.d
Dilution:	1.0			Initial Weight/Volume:	980 mL
Date Analyzed:	08/03/2009 2244			Final Weight/Volume:	2 mL
Date Prepared:	07/28/2009 2011			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Bis(2-chloroethyl)ether	1.0	U	0.42	1.0
1,3-Dichlorobenzene	10	U	3.8	10
1,4-Dichlorobenzene	10	U	3.7	10
1,2-Dichlorobenzene	10	U	3.8	10
N-Nitrosodi-n-propylamine	1.0	U	0.33	1.0
Hexachloroethane	1.0	U	0.51	1.0
Nitrobenzene	1.0	U	0.42	1.0
Isophorone	10	U	3.7	10
Bis(2-chloroethoxy)methane	10	U	3.5	10
1,2,4-Trichlorobenzene	1.0	U	0.53	1.0
Naphthalene	10	U	3.7	10
4-Chloroaniline	10	U	2.1	10
Hexachlorobutadiene	2.0	U	0.96	2.0
2-Methylnaphthalene	10	U	3.2	10
Hexachlorocyclopentadiene	10	U	4.7	10
2-Chloronaphthalene	10	U	3.8	10
2-Nitroaniline	20	U	5.8	20
Dimethyl phthalate	10	U	3.3	10
Acenaphthylene	10	U	4.1	10
2,6-Dinitrotoluene	2.0	U	0.60	2.0
3-Nitroaniline	20	U	4.4	20
Acenaphthene	10	U	3.8	10
Dibenzofuran	10	U	3.7	10
2,4-Dinitrotoluene	2.0	U	0.44	2.0
Diethyl phthalate	10	U	3.9	10
4-Chlorophenyl phenyl ether	10	U	4.0	10
Fluorene	10	U	3.3	10
4-Nitroaniline	20	U	4.1	20
N-Nitrosodiphenylamine	10	U	3.9	10
4-Bromophenyl phenyl ether	10	U	4.0	10
Phenanthrene	10	U	3.6	10
Anthracene	10	U	3.6	10
Carbazole	10	U	3.1	10
Di-n-butyl phthalate	10	U	2.8	10
Fluoranthene	10	U	2.7	10
Pyrene	10	U	4.4	10
Butyl benzyl phthalate	10	U	2.8	10
3,3'-Dichlorobenzidine	20	U	7.1	20
Chrysene	10	U	3.8	10
Bis(2-ethylhexyl) phthalate	10	U	2.4	10
Di-n-octyl phthalate	10	U	1.9	10
Benzo[k]fluoranthene	1.0	U	0.31	1.0
Indeno[1,2,3-cd]pyrene	1.0	U	0.12	1.0
Dibenz(a,h)anthracene	1.0	U	0.16	1.0
Benzo[g,h,i]perylene	10	U	2.8	10
bis (2-chloroisopropyl) ether	10	U	3.3	10

Client: Haley & Aldrich, Inc. Job Number: 460-4158-1

Client Sample ID: **MW-103-072709**

Lab Sample ID: 460-4158-1 Date Sampled: 07/27/2009 0820
Client Matrix: Water Date Received: 07/27/2009 1445

625 Semivolatile Organic Compounds (GC/MS)

Method:	625	Analysis Batch: 460-13273		Instrument ID:	BNAMS5
Preparation:	625	Prep Batch: 460-12860		Lab File ID:	x1630.d
Dilution:	1.0			Initial Weight/Volume:	980 mL
Date Analyzed:	08/03/2009 2244			Final Weight/Volume:	2 mL
Date Prepared:	07/28/2009 2011			Injection Volume:	1 uL

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	97		38 - 113
Nitrobenzene-d5	109		51 - 116
Terphenyl-d14	91		37 - 126

Client: Haley & Aldrich, Inc. Job Number: 460-4158-1

Client Sample ID: **MW-103-072709**

Lab Sample ID: 460-4158-1 Date Sampled: 07/27/2009 0820
Client Matrix: Water Date Received: 07/27/2009 1445

625 Semivolatile Organic Compounds (GC/MS)

Method:	625	Analysis Batch: 460-13273	Instrument ID:	BNAMS5
Preparation:	625	Prep Batch: 460-12860	Lab File ID:	x1630.d
Dilution:	1.0		Initial Weight/Volume:	980 mL
Date Analyzed:	08/03/2009 2244		Final Weight/Volume:	2 mL
Date Prepared:	07/28/2009 2011		Injection Volume:	1 uL

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Tentatively Identified Compound		None	

Client: Haley & Aldrich, Inc. Job Number: 460-4158-1

Client Sample ID: **MW-105-072709**

Lab Sample ID: 460-4158-2 Date Sampled: 07/27/2009 0845
Client Matrix: Water Date Received: 07/27/2009 1445

625 Semivolatile Organic Compounds (GC/MS)

Method:	625	Analysis Batch: 460-13469		Instrument ID:	BNAMS5
Preparation:	625	Prep Batch: 460-12860		Lab File ID:	x1650.d
Dilution:	1.0			Initial Weight/Volume:	990 mL
Date Analyzed:	08/04/2009 1920			Final Weight/Volume:	2 mL
Date Prepared:	07/28/2009 2011			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Bis(2-chloroethyl)ether	1.0	U	0.41	1.0
1,3-Dichlorobenzene	10	U	3.8	10
1,4-Dichlorobenzene	10	U	3.6	10
1,2-Dichlorobenzene	10	U	3.8	10
N-Nitrosodi-n-propylamine	1.0	U	0.32	1.0
Hexachloroethane	1.0	U	0.51	1.0
Nitrobenzene	1.0	U	0.41	1.0
Isophorone	10	U	3.6	10
Bis(2-chloroethoxy)methane	10	U	3.5	10
1,2,4-Trichlorobenzene	1.0	U	0.53	1.0
Naphthalene	10	U	3.7	10
4-Chloroaniline	10	U	2.1	10
Hexachlorobutadiene	2.0	U	0.95	2.0
2-Methylnaphthalene	10	U	3.1	10
Hexachlorocyclopentadiene	10	U	4.6	10
2-Chloronaphthalene	10	U	3.8	10
2-Nitroaniline	20	U	5.8	20
Dimethyl phthalate	10	U	3.3	10
Acenaphthylene	10	U	4.1	10
2,6-Dinitrotoluene	2.0	U	0.60	2.0
3-Nitroaniline	20	U	4.4	20
Acenaphthene	10	U	3.8	10
Dibenzofuran	10	U	3.6	10
2,4-Dinitrotoluene	2.0	U	0.43	2.0
Diethyl phthalate	10	U	3.9	10
4-Chlorophenyl phenyl ether	10	U	4.0	10
Fluorene	10	U	3.3	10
4-Nitroaniline	20	U	4.0	20
N-Nitrosodiphenylamine	10	U	3.9	10
4-Bromophenyl phenyl ether	10	U	4.0	10
Phenanthrene	10	U	3.6	10
Anthracene	10	U	3.6	10
Carbazole	10	U	3.1	10
Di-n-butyl phthalate	10	U	2.8	10
Fluoranthene	10	U	2.7	10
Pyrene	10	U	4.3	10
Butyl benzyl phthalate	10	U	2.8	10
3,3'-Dichlorobenzidine	20	U	7.0	20
Chrysene	10	U	3.8	10
Bis(2-ethylhexyl) phthalate	10	U	2.4	10
Di-n-octyl phthalate	10	U	1.9	10
Benzo[k]fluoranthene	1.0	U	0.30	1.0
Indeno[1,2,3-cd]pyrene	1.0	U	0.12	1.0
Dibenz(a,h)anthracene	1.0	U	0.16	1.0
Benzo[g,h,i]perylene	10	U	2.7	10
bis (2-chloroisopropyl) ether	10	U	3.2	10

Client: Haley & Aldrich, Inc. Job Number: 460-4158-1

Client Sample ID: **MW-105-072709**

Lab Sample ID: 460-4158-2 Date Sampled: 07/27/2009 0845
Client Matrix: Water Date Received: 07/27/2009 1445

625 Semivolatile Organic Compounds (GC/MS)

Method:	625	Analysis Batch: 460-13469		Instrument ID:	BNAMS5
Preparation:	625	Prep Batch: 460-12860		Lab File ID:	x1650.d
Dilution:	1.0			Initial Weight/Volume:	990 mL
Date Analyzed:	08/04/2009 1920			Final Weight/Volume:	2 mL
Date Prepared:	07/28/2009 2011			Injection Volume:	1 uL

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	95		38 - 113
Nitrobenzene-d5	111		51 - 116
Terphenyl-d14	95		37 - 126

Client: Haley & Aldrich, Inc. Job Number: 460-4158-1

Client Sample ID: **MW-105-072709**

Lab Sample ID: 460-4158-2 Date Sampled: 07/27/2009 0845
Client Matrix: Water Date Received: 07/27/2009 1445

625 Semivolatile Organic Compounds (GC/MS)

Method:	625	Analysis Batch: 460-13469	Instrument ID:	BNAMS5
Preparation:	625	Prep Batch: 460-12860	Lab File ID:	x1650.d
Dilution:	1.0		Initial Weight/Volume:	990 mL
Date Analyzed:	08/04/2009 1920		Final Weight/Volume:	2 mL
Date Prepared:	07/28/2009 2011		Injection Volume:	1 uL

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Tentatively Identified Compound		None	

Client: Haley & Aldrich, Inc. Job Number: 460-4158-1

Client Sample ID: **MW-118-072709**

Lab Sample ID: 460-4158-3 Date Sampled: 07/27/2009 0905
Client Matrix: Water Date Received: 07/27/2009 1445

625 Semivolatile Organic Compounds (GC/MS)

Method:	625	Analysis Batch: 460-13243		Instrument ID:	BNAMS5
Preparation:	625	Prep Batch: 460-12865		Lab File ID:	x1567.d
Dilution:	1.0			Initial Weight/Volume:	990 mL
Date Analyzed:	08/01/2009 0634			Final Weight/Volume:	2 mL
Date Prepared:	07/28/2009 2118			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Bis(2-chloroethyl)ether	1.0	U	0.41	1.0
1,3-Dichlorobenzene	10	U	3.8	10
1,4-Dichlorobenzene	10	U	3.6	10
1,2-Dichlorobenzene	10	U	3.8	10
N-Nitrosodi-n-propylamine	1.0	U	0.32	1.0
Hexachloroethane	1.0	U	0.51	1.0
Nitrobenzene	1.0	U	0.41	1.0
Isophorone	10	U	3.6	10
Bis(2-chloroethoxy)methane	10	U	3.5	10
1,2,4-Trichlorobenzene	1.0	U	0.53	1.0
Naphthalene	10	U	3.7	10
4-Chloroaniline	10	U	2.1	10
Hexachlorobutadiene	2.0	U	0.95	2.0
2-Methylnaphthalene	10	U	3.1	10
Hexachlorocyclopentadiene	10	U	4.6	10
2-Chloronaphthalene	10	U	3.8	10
2-Nitroaniline	20	U	5.8	20
Dimethyl phthalate	10	U	3.3	10
Acenaphthylene	10	U	4.1	10
2,6-Dinitrotoluene	2.0	U	0.60	2.0
3-Nitroaniline	20	U	4.4	20
Acenaphthene	10	U	3.8	10
Dibenzofuran	10	U	3.6	10
2,4-Dinitrotoluene	2.0	U	0.43	2.0
Diethyl phthalate	10	U	3.9	10
4-Chlorophenyl phenyl ether	10	U	4.0	10
Fluorene	10	U	3.3	10
4-Nitroaniline	20	U	4.0	20
N-Nitrosodiphenylamine	10	U	3.9	10
4-Bromophenyl phenyl ether	10	U	4.0	10
Phenanthrene	10	U	3.6	10
Anthracene	10	U	3.6	10
Carbazole	10	U	3.1	10
Di-n-butyl phthalate	10	U	2.8	10
Fluoranthene	10	U	2.7	10
Pyrene	10	U	4.3	10
Butyl benzyl phthalate	10	U	2.8	10
3,3'-Dichlorobenzidine	20	U	7.0	20
Chrysene	10	U	3.8	10
Bis(2-ethylhexyl) phthalate	10	U	2.4	10
Di-n-octyl phthalate	10	U	1.9	10
Benzo[k]fluoranthene	1.0	U	0.30	1.0
Indeno[1,2,3-cd]pyrene	1.0	U	0.12	1.0
Dibenz(a,h)anthracene	1.0	U	0.16	1.0
Benzo[g,h,i]perylene	10	U	2.7	10
bis (2-chloroisopropyl) ether	10	U	3.2	10

Client: Haley & Aldrich, Inc. Job Number: 460-4158-1

Client Sample ID: **MW-118-072709**

Lab Sample ID: 460-4158-3 Date Sampled: 07/27/2009 0905
Client Matrix: Water Date Received: 07/27/2009 1445

625 Semivolatile Organic Compounds (GC/MS)

Method:	625	Analysis Batch: 460-13243		Instrument ID:	BNAMS5
Preparation:	625	Prep Batch: 460-12865		Lab File ID:	x1567.d
Dilution:	1.0			Initial Weight/Volume:	990 mL
Date Analyzed:	08/01/2009 0634			Final Weight/Volume:	2 mL
Date Prepared:	07/28/2009 2118			Injection Volume:	1 uL

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	70		38 - 113
Nitrobenzene-d5	74		51 - 116
Terphenyl-d14	58		37 - 126

Client: Haley & Aldrich, Inc. Job Number: 460-4158-1

Client Sample ID: **MW-118-072709**

Lab Sample ID: 460-4158-3 Date Sampled: 07/27/2009 0905
Client Matrix: Water Date Received: 07/27/2009 1445

625 Semivolatile Organic Compounds (GC/MS)

Method:	625	Analysis Batch: 460-13243	Instrument ID:	BNAMS5
Preparation:	625	Prep Batch: 460-12865	Lab File ID:	x1567.d
Dilution:	1.0		Initial Weight/Volume:	990 mL
Date Analyzed:	08/01/2009 0634		Final Weight/Volume:	2 mL
Date Prepared:	07/28/2009 2118		Injection Volume:	1 uL

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Tentatively Identified Compound		None	

Client: Haley & Aldrich, Inc. Job Number: 460-4158-1

Client Sample ID: **MW-107-072709**

Lab Sample ID: 460-4158-4 Date Sampled: 07/27/2009 0930
Client Matrix: Water Date Received: 07/27/2009 1445

625 Semivolatile Organic Compounds (GC/MS)

Method:	625	Analysis Batch: 460-13243		Instrument ID:	BNAMS5
Preparation:	625	Prep Batch: 460-12865		Lab File ID:	x1568.d
Dilution:	1.0			Initial Weight/Volume:	980 mL
Date Analyzed:	08/01/2009 0659			Final Weight/Volume:	2 mL
Date Prepared:	07/28/2009 2118			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Bis(2-chloroethyl)ether	1.0	U	0.42	1.0
1,3-Dichlorobenzene	10	U	3.8	10
1,4-Dichlorobenzene	10	U	3.7	10
1,2-Dichlorobenzene	10	U	3.8	10
N-Nitrosodi-n-propylamine	1.0	U	0.33	1.0
Hexachloroethane	1.0	U	0.51	1.0
Nitrobenzene	1.0	U	0.42	1.0
Isophorone	10	U	3.7	10
Bis(2-chloroethoxy)methane	10	U	3.5	10
1,2,4-Trichlorobenzene	1.0	U	0.53	1.0
Naphthalene	13		3.7	10
4-Chloroaniline	10	U	2.1	10
Hexachlorobutadiene	2.0	U	0.96	2.0
2-Methylnaphthalene	10	J	3.2	10
Hexachlorocyclopentadiene	10	U	4.7	10
2-Chloronaphthalene	10	U	3.8	10
2-Nitroaniline	20	U	5.8	20
Dimethyl phthalate	10	U	3.3	10
Acenaphthylene	10	U	4.1	10
2,6-Dinitrotoluene	2.0	U	0.60	2.0
3-Nitroaniline	20	U	4.4	20
Acenaphthene	8.0	J	3.8	10
Dibenzofuran	10	U	3.7	10
2,4-Dinitrotoluene	2.0	U	0.44	2.0
Diethyl phthalate	10	U	3.9	10
4-Chlorophenyl phenyl ether	10	U	4.0	10
Fluorene	4.7	J	3.3	10
4-Nitroaniline	20	U	4.1	20
N-Nitrosodiphenylamine	10	U	3.9	10
4-Bromophenyl phenyl ether	10	U	4.0	10
Phenanthrene	4.8	J	3.6	10
Anthracene	10	U	3.6	10
Carbazole	10	U	3.1	10
Di-n-butyl phthalate	10	U	2.8	10
Fluoranthene	10	U	2.7	10
Pyrene	10	U	4.4	10
Butyl benzyl phthalate	10	U	2.8	10
3,3'-Dichlorobenzidine	20	U	7.1	20
Chrysene	10	U	3.8	10
Bis(2-ethylhexyl) phthalate	10	U	2.4	10
Di-n-octyl phthalate	10	U	1.9	10
Benzo[k]fluoranthene	1.0	U	0.31	1.0
Indeno[1,2,3-cd]pyrene	1.0	U	0.12	1.0
Dibenz(a,h)anthracene	1.0	U	0.16	1.0
Benzo[g,h,i]perylene	10	U	2.8	10
bis (2-chloroisopropyl) ether	10	U	3.3	10

Client: Haley & Aldrich, Inc. Job Number: 460-4158-1

Client Sample ID: **MW-107-072709**

Lab Sample ID: 460-4158-4 Date Sampled: 07/27/2009 0930
Client Matrix: Water Date Received: 07/27/2009 1445

625 Semivolatile Organic Compounds (GC/MS)

Method:	625	Analysis Batch: 460-13243		Instrument ID:	BNAMS5
Preparation:	625	Prep Batch: 460-12865		Lab File ID:	x1568.d
Dilution:	1.0			Initial Weight/Volume:	980 mL
Date Analyzed:	08/01/2009 0659			Final Weight/Volume:	2 mL
Date Prepared:	07/28/2009 2118			Injection Volume:	1 uL

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	78		38 - 113
Nitrobenzene-d5	81		51 - 116
Terphenyl-d14	59		37 - 126

Client: Haley & Aldrich, Inc. Job Number: 460-4158-1

Client Sample ID: **MW-107-072709**

Lab Sample ID: 460-4158-4 Date Sampled: 07/27/2009 0930
Client Matrix: Water Date Received: 07/27/2009 1445

625 Semivolatile Organic Compounds (GC/MS)

Method:	625	Analysis Batch: 460-13243		Instrument ID:	BNAMS5
Preparation:	625	Prep Batch: 460-12865		Lab File ID:	x1568.d
Dilution:	1.0			Initial Weight/Volume:	980 mL
Date Analyzed:	08/01/2009 0659			Final Weight/Volume:	2 mL
Date Prepared:	07/28/2009 2118			Injection Volume:	1 uL

Tentatively Identified Compounds **Number TIC's Found:** **15**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Ethylmethylbenzene isomer-1	3.60	20	T J
	Ethylmethylbenzene isomer-2	4.09	21	T J
496-11-7	Indane	4.57	91	T J N
	Diethylbenzene isomer-1	4.64	16	T J
	Diethylbenzene isomer-2	4.71	9.0	T J
	Ethyldimethylbenzene isomer-2	4.93	49	T J
	C10H12 Aromatic-1	5.35	37	T J
	C10H12 Aromatic-2	5.42	57	T J
	Unknown	6.15	12	T J
90-12-0	1-Methylnaphthalene	6.49	52	
	Ethylnaphthalene isomer	6.95	10	T J
	Dimethylnaphthalene isomer-1	7.02	17	T J
575-41-7	1,3-Dimethylnaphthalene	7.09	25	
	Unknown	7.12	10	T J
	Dimethylnaphthalene isomer-2	7.20	12	T J

Client: Haley & Aldrich, Inc. Job Number: 460-4158-1

Client Sample ID: **MW-124-072709**

Lab Sample ID: 460-4158-5 Date Sampled: 07/27/2009 1005
Client Matrix: Water Date Received: 07/27/2009 1445

625 Semivolatile Organic Compounds (GC/MS)

Method:	625	Analysis Batch: 460-13273		Instrument ID:	BNAMS5
Preparation:	625	Prep Batch: 460-12865		Lab File ID:	x1613.d
Dilution:	2.0			Initial Weight/Volume:	980 mL
Date Analyzed:	08/03/2009 1542			Final Weight/Volume:	2 mL
Date Prepared:	07/28/2009 2118			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Bis(2-chloroethyl)ether	2.0	U	0.84	2.0
1,3-Dichlorobenzene	20	U	7.7	20
1,4-Dichlorobenzene	20	U	7.4	20
1,2-Dichlorobenzene	20	U	7.6	20
N-Nitrosodi-n-propylamine	2.0	U	0.65	2.0
Hexachloroethane	2.0	U	1.0	2.0
Nitrobenzene	2.0	U	0.84	2.0
Isophorone	20	U	7.3	20
Bis(2-chloroethoxy)methane	20	U	7.1	20
1,2,4-Trichlorobenzene	2.0	U	1.1	2.0
Naphthalene	20	U	7.5	20
4-Chloroaniline	20	U	4.3	20
Hexachlorobutadiene	4.1	U	1.9	4.1
2-Methylnaphthalene	120		6.3	20
Hexachlorocyclopentadiene	20	U	9.3	20
2-Chloronaphthalene	20	U	7.7	20
2-Nitroaniline	41	U	12	41
Dimethyl phthalate	20	U	6.7	20
Acenaphthylene	20	U	8.2	20
2,6-Dinitrotoluene	4.1	U	1.2	4.1
3-Nitroaniline	41	U	8.9	41
Acenaphthene	130		7.7	20
Dibenzofuran	9.3	J	7.3	20
2,4-Dinitrotoluene	4.1	U	0.88	4.1
Diethyl phthalate	20	U	7.8	20
4-Chlorophenyl phenyl ether	20	U	8.0	20
Fluorene	59		6.7	20
4-Nitroaniline	41	U	8.1	41
N-Nitrosodiphenylamine	20	U	7.9	20
4-Bromophenyl phenyl ether	20	U	8.0	20
Phenanthrene	38		7.3	20
Anthracene	11	J	7.2	20
Carbazole	20	U	6.3	20
Di-n-butyl phthalate	20	U	5.7	20
Fluoranthene	20	U	5.4	20
Pyrene	20	U	8.7	20
Butyl benzyl phthalate	20	U	5.7	20
3,3'-Dichlorobenzidine	41	U	14	41
Chrysene	20	U	7.7	20
Bis(2-ethylhexyl) phthalate	20	U	4.9	20
Di-n-octyl phthalate	20	U	3.9	20
Benzo[k]fluoranthene	2.0	U	0.61	2.0
Indeno[1,2,3-cd]pyrene	2.0	U	0.24	2.0
Dibenz(a,h)anthracene	2.0	U	0.33	2.0
Benzo[g,h,i]perylene	20	U	5.6	20
bis (2-chloroisopropyl) ether	20	U	6.6	20

Client: Haley & Aldrich, Inc. Job Number: 460-4158-1

Client Sample ID: **MW-124-072709**

Lab Sample ID: 460-4158-5 Date Sampled: 07/27/2009 1005
Client Matrix: Water Date Received: 07/27/2009 1445

625 Semivolatile Organic Compounds (GC/MS)

Method:	625	Analysis Batch: 460-13273		Instrument ID:	BNAMS5
Preparation:	625	Prep Batch: 460-12865		Lab File ID:	x1613.d
Dilution:	2.0			Initial Weight/Volume:	980 mL
Date Analyzed:	08/03/2009 1542			Final Weight/Volume:	2 mL
Date Prepared:	07/28/2009 2118			Injection Volume:	1 uL

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	105		38 - 113
Nitrobenzene-d5	110		51 - 116
Terphenyl-d14	82		37 - 126

Client: Haley & Aldrich, Inc. Job Number: 460-4158-1

Client Sample ID: **MW-124-072709**

Lab Sample ID: 460-4158-5 Date Sampled: 07/27/2009 1005
Client Matrix: Water Date Received: 07/27/2009 1445

625 Semivolatile Organic Compounds (GC/MS)

Method:	625	Analysis Batch: 460-13273		Instrument ID:	BNAMS5
Preparation:	625	Prep Batch: 460-12865		Lab File ID:	x1613.d
Dilution:	2.0			Initial Weight/Volume:	980 mL
Date Analyzed:	08/03/2009 1542			Final Weight/Volume:	2 mL
Date Prepared:	07/28/2009 2118			Injection Volume:	1 uL

Tentatively Identified Compounds **Number TIC's Found:** **15**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Ethylmethylbenzene isomer-1	3.58	20	T J
	Ethylmethylbenzene isomer-2	4.43	21	T J
496-11-7	Indane	4.55	200	T J N
	C10H12 Aromatic-1	4.94	180	T J
	C10H12 Aromatic-2	5.33	69	T J
	C10H12 Aromatic-3	5.39	100	T J
	C10H10 Aromatic	5.44	30	T J
	C11H12 Aromatic	6.13	23	T J
90-12-0	1-Methylnaphthalene	6.47	350	
	Ethylnaphthalene isomer	6.93	30	T J
	Dimethylnaphthalene isomer-1	7.00	88	T J
575-41-7	1,3-Dimethylnaphthalene	7.07	130	
	Unknown	7.10	61	T J
	Dimethylnaphthalene isomer-2	7.19	72	T J
	Dimethylnaphthalene isomer-3	7.27	48	T J

Client: Haley & Aldrich, Inc. Job Number: 460-4158-1

Client Sample ID: **MW-127-072709**

Lab Sample ID: 460-4158-6 Date Sampled: 07/27/2009 1035
Client Matrix: Water Date Received: 07/27/2009 1445

625 Semivolatile Organic Compounds (GC/MS)

Method:	625	Analysis Batch: 460-13243		Instrument ID:	BNAMS5
Preparation:	625	Prep Batch: 460-12865		Lab File ID:	x1570.d
Dilution:	1.0			Initial Weight/Volume:	980 mL
Date Analyzed:	08/01/2009 0748			Final Weight/Volume:	2 mL
Date Prepared:	07/28/2009 2118			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Bis(2-chloroethyl)ether	1.0	U	0.42	1.0
1,3-Dichlorobenzene	10	U	3.8	10
1,4-Dichlorobenzene	10	U	3.7	10
1,2-Dichlorobenzene	10	U	3.8	10
N-Nitrosodi-n-propylamine	1.0	U	0.33	1.0
Hexachloroethane	1.0	U	0.51	1.0
Nitrobenzene	1.0	U	0.42	1.0
Isophorone	10	U	3.7	10
Bis(2-chloroethoxy)methane	10	U	3.5	10
1,2,4-Trichlorobenzene	1.0	U	0.53	1.0
Naphthalene	10	U	3.7	10
4-Chloroaniline	10	U	2.1	10
Hexachlorobutadiene	2.0	U	0.96	2.0
2-Methylnaphthalene	10	U	3.2	10
Hexachlorocyclopentadiene	10	U	4.7	10
2-Chloronaphthalene	10	U	3.8	10
2-Nitroaniline	20	U	5.8	20
Dimethyl phthalate	10	U	3.3	10
Acenaphthylene	10	U	4.1	10
2,6-Dinitrotoluene	2.0	U	0.60	2.0
3-Nitroaniline	20	U	4.4	20
Acenaphthene	19		3.8	10
Dibenzofuran	13		3.7	10
2,4-Dinitrotoluene	2.0	U	0.44	2.0
Diethyl phthalate	10	U	3.9	10
4-Chlorophenyl phenyl ether	10	U	4.0	10
Fluorene	14		3.3	10
4-Nitroaniline	20	U	4.1	20
N-Nitrosodiphenylamine	10	U	3.9	10
4-Bromophenyl phenyl ether	10	U	4.0	10
Phenanthrene	13		3.6	10
Anthracene	10	U	3.6	10
Carbazole	10	U	3.1	10
Di-n-butyl phthalate	10	U	2.8	10
Fluoranthene	10	U	2.7	10
Pyrene	10	U	4.4	10
Butyl benzyl phthalate	10	U	2.8	10
3,3'-Dichlorobenzidine	20	U	7.1	20
Chrysene	10	U	3.8	10
Bis(2-ethylhexyl) phthalate	10	U	2.4	10
Di-n-octyl phthalate	10	U	1.9	10
Benzo[k]fluoranthene	1.0	U	0.31	1.0
Indeno[1,2,3-cd]pyrene	1.0	U	0.12	1.0
Dibenz(a,h)anthracene	1.0	U	0.16	1.0
Benzo[g,h,i]perylene	10	U	2.8	10
bis (2-chloroisopropyl) ether	10	U	3.3	10

Client: Haley & Aldrich, Inc. Job Number: 460-4158-1

Client Sample ID: **MW-127-072709**

Lab Sample ID: 460-4158-6 Date Sampled: 07/27/2009 1035
Client Matrix: Water Date Received: 07/27/2009 1445

625 Semivolatile Organic Compounds (GC/MS)

Method:	625	Analysis Batch: 460-13243		Instrument ID:	BNAMS5
Preparation:	625	Prep Batch: 460-12865		Lab File ID:	x1570.d
Dilution:	1.0			Initial Weight/Volume:	980 mL
Date Analyzed:	08/01/2009 0748			Final Weight/Volume:	2 mL
Date Prepared:	07/28/2009 2118			Injection Volume:	1 uL

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	79		38 - 113
Nitrobenzene-d5	82		51 - 116
Terphenyl-d14	63		37 - 126

Client: Haley & Aldrich, Inc. Job Number: 460-4158-1

Client Sample ID: **MW-127-072709**

Lab Sample ID: 460-4158-6 Date Sampled: 07/27/2009 1035
Client Matrix: Water Date Received: 07/27/2009 1445

625 Semivolatile Organic Compounds (GC/MS)

Method:	625	Analysis Batch: 460-13243	Instrument ID:	BNAMS5
Preparation:	625	Prep Batch: 460-12865	Lab File ID:	x1570.d
Dilution:	1.0		Initial Weight/Volume:	980 mL
Date Analyzed:	08/01/2009 0748		Final Weight/Volume:	2 mL
Date Prepared:	07/28/2009 2118		Injection Volume:	1 uL

Tentatively Identified Compounds **Number TIC's Found:** 1

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Tentatively Identified Compound		None	
90-12-0	1-Methylnaphthalene	6.49	12	

Client: Haley & Aldrich, Inc. Job Number: 460-4158-1

Client Sample ID: **MW-129-072709**

Lab Sample ID: 460-4158-7 Date Sampled: 07/27/2009 1130
Client Matrix: Water Date Received: 07/27/2009 1445

625 Semivolatile Organic Compounds (GC/MS)

Method:	625	Analysis Batch: 460-13469		Instrument ID:	BNAMS5
Preparation:	625	Prep Batch: 460-12865		Lab File ID:	x1669.d
Dilution:	10			Initial Weight/Volume:	990 mL
Date Analyzed:	08/05/2009 0308			Final Weight/Volume:	2 mL
Date Prepared:	07/28/2009 2118			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Bis(2-chloroethyl)ether	10	U	4.1	10
1,3-Dichlorobenzene	100	U	38	100
1,4-Dichlorobenzene	100	U	36	100
1,2-Dichlorobenzene	100	U	38	100
N-Nitrosodi-n-propylamine	24		3.2	10
Hexachloroethane	10	U	5.1	10
Nitrobenzene	10	U	4.1	10
Isophorone	100	U	36	100
Bis(2-chloroethoxy)methane	100	U	35	100
1,2,4-Trichlorobenzene	10	U	5.3	10
Naphthalene	1300		37	100
4-Chloroaniline	100	U	21	100
Hexachlorobutadiene	20	U	9.5	20
2-Methylnaphthalene	470		31	100
Hexachlorocyclopentadiene	100	U	46	100
2-Chloronaphthalene	100	U	38	100
2-Nitroaniline	200	U	58	200
Dimethyl phthalate	100	U	33	100
Acenaphthylene	100	U	41	100
2,6-Dinitrotoluene	20	U	6.0	20
3-Nitroaniline	200	U	44	200
Acenaphthene	200		38	100
Dibenzofuran	100	U	36	100
2,4-Dinitrotoluene	20	U	4.3	20
Diethyl phthalate	100	U	39	100
4-Chlorophenyl phenyl ether	100	U	40	100
Fluorene	60	J	33	100
4-Nitroaniline	200	U	40	200
N-Nitrosodiphenylamine	100	U	39	100
4-Bromophenyl phenyl ether	100	U	40	100
Phenanthrene	53	J	36	100
Anthracene	100	U	36	100
Carbazole	100	U	31	100
Di-n-butyl phthalate	100	U	28	100
Fluoranthene	100	U	27	100
Pyrene	100	U	43	100
Butyl benzyl phthalate	100	U	28	100
3,3'-Dichlorobenzidine	200	U	70	200
Chrysene	100	U	38	100
Bis(2-ethylhexyl) phthalate	100	U	24	100
Di-n-octyl phthalate	100	U	19	100
Benzo[k]fluoranthene	10	U	3.0	10
Indeno[1,2,3-cd]pyrene	10	U	1.2	10
Dibenz(a,h)anthracene	10	U	1.6	10
Benzo[g,h,i]perylene	100	U	27	100
bis (2-chloroisopropyl) ether	100	U	32	100

Client: Haley & Aldrich, Inc. Job Number: 460-4158-1

Client Sample ID: **MW-129-072709**

Lab Sample ID: 460-4158-7 Date Sampled: 07/27/2009 1130
Client Matrix: Water Date Received: 07/27/2009 1445

625 Semivolatile Organic Compounds (GC/MS)

Method:	625	Analysis Batch: 460-13469		Instrument ID:	BNAMS5
Preparation:	625	Prep Batch: 460-12865		Lab File ID:	x1669.d
Dilution:	10			Initial Weight/Volume:	990 mL
Date Analyzed:	08/05/2009 0308			Final Weight/Volume:	2 mL
Date Prepared:	07/28/2009 2118			Injection Volume:	1 uL

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	0	D	38 - 113
Nitrobenzene-d5	0	D	51 - 116
Terphenyl-d14	0	D	37 - 126

Client: Haley & Aldrich, Inc. Job Number: 460-4158-1

Client Sample ID: **MW-129-072709**

Lab Sample ID: 460-4158-7 Date Sampled: 07/27/2009 1130
Client Matrix: Water Date Received: 07/27/2009 1445

625 Semivolatile Organic Compounds (GC/MS)

Method:	625	Analysis Batch: 460-13469		Instrument ID:	BNAMS5
Preparation:	625	Prep Batch: 460-12865		Lab File ID:	x1669.d
Dilution:	10			Initial Weight/Volume:	990 mL
Date Analyzed:	08/05/2009 0308			Final Weight/Volume:	2 mL
Date Prepared:	07/28/2009 2118			Injection Volume:	1 uL

Tentatively Identified Compounds **Number TIC's Found:** **11**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
100-41-4	Ethylbenzene	2.98	88	T J N
	Trimethylbenzene isomer-1	4.17	230	T J
	Trimethylbenzene isomer-2	4.40	120	T J
	C9H10 Aromatic	4.52	360	T J
	C10H12 Aromatic-1	4.90	220	T J
	C10H12 Aromatic-2	5.30	130	T J
	C10H10 Aromatic	5.37	210	T J
2177-47-1	2-Methylindene	5.41	380	T J N
90-12-0	1-Methylnaphthalene	6.44	560	
	Dimethylnaphthalene isomer-1	6.97	82	T J
	Dimethylnaphthalene isomer-2	7.04	110	T J

Client: Haley & Aldrich, Inc. Job Number: 460-4158-1

Client Sample ID: **MW-114-072709**

Lab Sample ID: 460-4158-8 Date Sampled: 07/27/2009 1205
Client Matrix: Water Date Received: 07/27/2009 1445

625 Semivolatile Organic Compounds (GC/MS)

Method:	625	Analysis Batch: 460-13243		Instrument ID:	BNAMS5
Preparation:	625	Prep Batch: 460-12865		Lab File ID:	x1572.d
Dilution:	1.0			Initial Weight/Volume:	990 mL
Date Analyzed:	08/01/2009 0837			Final Weight/Volume:	2 mL
Date Prepared:	07/28/2009 2118			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Bis(2-chloroethyl)ether	1.0	U	0.41	1.0
1,3-Dichlorobenzene	10	U	3.8	10
1,4-Dichlorobenzene	10	U	3.6	10
1,2-Dichlorobenzene	10	U	3.8	10
N-Nitrosodi-n-propylamine	1.0	U	0.32	1.0
Hexachloroethane	1.0	U	0.51	1.0
Nitrobenzene	1.0	U	0.41	1.0
Isophorone	10	U	3.6	10
Bis(2-chloroethoxy)methane	10	U	3.5	10
1,2,4-Trichlorobenzene	1.0	U	0.53	1.0
Naphthalene	59		3.7	10
4-Chloroaniline	10	U	2.1	10
Hexachlorobutadiene	2.0	U	0.95	2.0
2-Methylnaphthalene	15		3.1	10
Hexachlorocyclopentadiene	10	U	4.6	10
2-Chloronaphthalene	10	U	3.8	10
2-Nitroaniline	20	U	5.8	20
Dimethyl phthalate	10	U	3.3	10
Acenaphthylene	10	U	4.1	10
2,6-Dinitrotoluene	2.0	U	0.60	2.0
3-Nitroaniline	20	U	4.4	20
Acenaphthene	6.8	J	3.8	10
Dibenzofuran	10	U	3.6	10
2,4-Dinitrotoluene	2.0	U	0.43	2.0
Diethyl phthalate	10	U	3.9	10
4-Chlorophenyl phenyl ether	10	U	4.0	10
Fluorene	10	U	3.3	10
4-Nitroaniline	20	U	4.0	20
N-Nitrosodiphenylamine	10	U	3.9	10
4-Bromophenyl phenyl ether	10	U	4.0	10
Phenanthrene	6.8	J	3.6	10
Anthracene	10	U	3.6	10
Carbazole	10	U	3.1	10
Di-n-butyl phthalate	10	U	2.8	10
Fluoranthene	10	U	2.7	10
Pyrene	10	U	4.3	10
Butyl benzyl phthalate	10	U	2.8	10
3,3'-Dichlorobenzidine	20	U	7.0	20
Chrysene	10	U	3.8	10
Bis(2-ethylhexyl) phthalate	10	U	2.4	10
Di-n-octyl phthalate	10	U	1.9	10
Benzo[k]fluoranthene	1.0	U	0.30	1.0
Indeno[1,2,3-cd]pyrene	1.0	U	0.12	1.0
Dibenz(a,h)anthracene	1.0	U	0.16	1.0
Benzo[g,h,i]perylene	10	U	2.7	10
bis (2-chloroisopropyl) ether	10	U	3.2	10

Client: Haley & Aldrich, Inc. Job Number: 460-4158-1

Client Sample ID: **MW-114-072709**

Lab Sample ID: 460-4158-8 Date Sampled: 07/27/2009 1205
Client Matrix: Water Date Received: 07/27/2009 1445

625 Semivolatile Organic Compounds (GC/MS)

Method:	625	Analysis Batch: 460-13243		Instrument ID:	BNAMS5
Preparation:	625	Prep Batch: 460-12865		Lab File ID:	x1572.d
Dilution:	1.0			Initial Weight/Volume:	990 mL
Date Analyzed:	08/01/2009 0837			Final Weight/Volume:	2 mL
Date Prepared:	07/28/2009 2118			Injection Volume:	1 uL

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	83		38 - 113
Nitrobenzene-d5	86		51 - 116
Terphenyl-d14	73		37 - 126

Client: Haley & Aldrich, Inc. Job Number: 460-4158-1

Client Sample ID: **MW-114-072709**

Lab Sample ID: 460-4158-8 Date Sampled: 07/27/2009 1205
Client Matrix: Water Date Received: 07/27/2009 1445

625 Semivolatile Organic Compounds (GC/MS)

Method:	625	Analysis Batch: 460-13243	Instrument ID:	BNAMS5
Preparation:	625	Prep Batch: 460-12865	Lab File ID:	x1572.d
Dilution:	1.0		Initial Weight/Volume:	990 mL
Date Analyzed:	08/01/2009 0837		Final Weight/Volume:	2 mL
Date Prepared:	07/28/2009 2118		Injection Volume:	1 uL

Tentatively Identified Compounds **Number TIC's Found:** **4**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
100-41-4	Ethylbenzene	3.03	14	T J N
	Xylene isomer	3.11	12	T J
496-11-7	Indane	4.57	22	T J N
90-12-0	1-Methylnaphthalene	6.49	14	

Client: Haley & Aldrich, Inc. Job Number: 460-4158-1

Client Sample ID: **MW-112-072709**

Lab Sample ID: 460-4158-9 Date Sampled: 07/27/2009 1240
Client Matrix: Water Date Received: 07/27/2009 1445

625 Semivolatile Organic Compounds (GC/MS)

Method:	625	Analysis Batch: 460-13243		Instrument ID:	BNAMS5
Preparation:	625	Prep Batch: 460-12865		Lab File ID:	x1573.d
Dilution:	1.0			Initial Weight/Volume:	990 mL
Date Analyzed:	08/01/2009 0902			Final Weight/Volume:	2 mL
Date Prepared:	07/28/2009 2118			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Bis(2-chloroethyl)ether	1.0	U	0.41	1.0
1,3-Dichlorobenzene	10	U	3.8	10
1,4-Dichlorobenzene	10	U	3.6	10
1,2-Dichlorobenzene	10	U	3.8	10
N-Nitrosodi-n-propylamine	1.0	U	0.32	1.0
Hexachloroethane	1.0	U	0.51	1.0
Nitrobenzene	1.0	U	0.41	1.0
Isophorone	10	U	3.6	10
Bis(2-chloroethoxy)methane	10	U	3.5	10
1,2,4-Trichlorobenzene	1.0	U	0.53	1.0
Naphthalene	7.5	J	3.7	10
4-Chloroaniline	10	U	2.1	10
Hexachlorobutadiene	2.0	U	0.95	2.0
2-Methylnaphthalene	10	U	3.1	10
Hexachlorocyclopentadiene	10	U	4.6	10
2-Chloronaphthalene	10	U	3.8	10
2-Nitroaniline	20	U	5.8	20
Dimethyl phthalate	10	U	3.3	10
Acenaphthylene	10	U	4.1	10
2,6-Dinitrotoluene	2.0	U	0.60	2.0
3-Nitroaniline	20	U	4.4	20
Acenaphthene	64		3.8	10
Dibenzofuran	10	U	3.6	10
2,4-Dinitrotoluene	2.0	U	0.43	2.0
Diethyl phthalate	10	U	3.9	10
4-Chlorophenyl phenyl ether	10	U	4.0	10
Fluorene	24		3.3	10
4-Nitroaniline	20	U	4.0	20
N-Nitrosodiphenylamine	10	U	3.9	10
4-Bromophenyl phenyl ether	10	U	4.0	10
Phenanthrene	17		3.6	10
Anthracene	4.3	J	3.6	10
Carbazole	10	U	3.1	10
Di-n-butyl phthalate	10	U	2.8	10
Fluoranthene	10	U	2.7	10
Pyrene	10	U	4.3	10
Butyl benzyl phthalate	10	U	2.8	10
3,3'-Dichlorobenzidine	20	U	7.0	20
Chrysene	10	U	3.8	10
Bis(2-ethylhexyl) phthalate	10	U	2.4	10
Di-n-octyl phthalate	10	U	1.9	10
Benzo[k]fluoranthene	1.0	U	0.30	1.0
Indeno[1,2,3-cd]pyrene	1.0	U	0.12	1.0
Dibenz(a,h)anthracene	1.0	U	0.16	1.0
Benzo[g,h,i]perylene	10	U	2.7	10
bis (2-chloroisopropyl) ether	10	U	3.2	10

Client: Haley & Aldrich, Inc. Job Number: 460-4158-1

Client Sample ID: **MW-112-072709**

Lab Sample ID: 460-4158-9 Date Sampled: 07/27/2009 1240
Client Matrix: Water Date Received: 07/27/2009 1445

625 Semivolatile Organic Compounds (GC/MS)

Method:	625	Analysis Batch: 460-13243		Instrument ID:	BNAMS5
Preparation:	625	Prep Batch: 460-12865		Lab File ID:	x1573.d
Dilution:	1.0			Initial Weight/Volume:	990 mL
Date Analyzed:	08/01/2009 0902			Final Weight/Volume:	2 mL
Date Prepared:	07/28/2009 2118			Injection Volume:	1 uL

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	86		38 - 113
Nitrobenzene-d5	90		51 - 116
Terphenyl-d14	67		37 - 126

Client: Haley & Aldrich, Inc. Job Number: 460-4158-1

Client Sample ID: **MW-112-072709**

Lab Sample ID: 460-4158-9 Date Sampled: 07/27/2009 1240
Client Matrix: Water Date Received: 07/27/2009 1445

625 Semivolatile Organic Compounds (GC/MS)

Method:	625	Analysis Batch: 460-13243		Instrument ID:	BNAMS5
Preparation:	625	Prep Batch: 460-12865		Lab File ID:	x1573.d
Dilution:	1.0			Initial Weight/Volume:	990 mL
Date Analyzed:	08/01/2009 0902			Final Weight/Volume:	2 mL
Date Prepared:	07/28/2009 2118			Injection Volume:	1 uL

Tentatively Identified Compounds **Number TIC's Found:** **13**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Ethylmethylbenzene isomer	3.60	9.7	T J
496-11-7	Indane	4.57	61	T J N
	C10H12 Aromatic-1	5.35	19	T J
	C10H12 Aromatic-2	5.41	29	T J
2177-47-1	2-Methylindene	5.46	12	T J N
90-12-0	1-Methylnaphthalene	6.49	85	
	Ethylnaphthalene isomer	6.96	9.3	T J
	Dimethylnaphthalene isomer-1	7.02	23	T J
575-41-7	1,3-Dimethylnaphthalene	7.09	36	
	Unknown	7.12	12	T J
	Dimethylnaphthalene isomer-2	7.20	21	T J
	Dimethylnaphthalene isomer-3	7.29	15	T J
2320-32-3	Benzene, [1-(2,4-cyclopentadien-1-yliden	8.03	8.7	T J N

Client: Haley & Aldrich, Inc. Job Number: 460-4158-1

Client Sample ID: **FB072709**

Lab Sample ID: 460-4158-10FB Date Sampled: 07/27/2009 0815
Client Matrix: Water Date Received: 07/27/2009 1445

625 Semivolatile Organic Compounds (GC/MS)

Method:	625	Analysis Batch: 460-13243		Instrument ID:	BNAMS5
Preparation:	625	Prep Batch: 460-12865		Lab File ID:	x1574.d
Dilution:	1.0			Initial Weight/Volume:	990 mL
Date Analyzed:	08/01/2009 0926			Final Weight/Volume:	2 mL
Date Prepared:	07/28/2009 2118			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Bis(2-chloroethyl)ether	1.0	U	0.41	1.0
1,3-Dichlorobenzene	10	U	3.8	10
1,4-Dichlorobenzene	10	U	3.6	10
1,2-Dichlorobenzene	10	U	3.8	10
N-Nitrosodi-n-propylamine	1.0	U	0.32	1.0
Hexachloroethane	1.0	U	0.51	1.0
Nitrobenzene	1.0	U	0.41	1.0
Isophorone	10	U	3.6	10
Bis(2-chloroethoxy)methane	10	U	3.5	10
1,2,4-Trichlorobenzene	1.0	U	0.53	1.0
Naphthalene	10	U	3.7	10
4-Chloroaniline	10	U	2.1	10
Hexachlorobutadiene	2.0	U	0.95	2.0
2-Methylnaphthalene	10	U	3.1	10
Hexachlorocyclopentadiene	10	U	4.6	10
2-Chloronaphthalene	10	U	3.8	10
2-Nitroaniline	20	U	5.8	20
Dimethyl phthalate	10	U	3.3	10
Acenaphthylene	10	U	4.1	10
2,6-Dinitrotoluene	2.0	U	0.60	2.0
3-Nitroaniline	20	U	4.4	20
Acenaphthene	10	U	3.8	10
Dibenzofuran	10	U	3.6	10
2,4-Dinitrotoluene	2.0	U	0.43	2.0
Diethyl phthalate	10	U	3.9	10
4-Chlorophenyl phenyl ether	10	U	4.0	10
Fluorene	10	U	3.3	10
4-Nitroaniline	20	U	4.0	20
N-Nitrosodiphenylamine	10	U	3.9	10
4-Bromophenyl phenyl ether	10	U	4.0	10
Phenanthrene	10	U	3.6	10
Anthracene	10	U	3.6	10
Carbazole	10	U	3.1	10
Di-n-butyl phthalate	10	U	2.8	10
Fluoranthene	10	U	2.7	10
Pyrene	10	U	4.3	10
Butyl benzyl phthalate	10	U	2.8	10
3,3'-Dichlorobenzidine	20	U	7.0	20
Chrysene	10	U	3.8	10
Bis(2-ethylhexyl) phthalate	10	U	2.4	10
Di-n-octyl phthalate	10	U	1.9	10
Benzo[k]fluoranthene	1.0	U	0.30	1.0
Indeno[1,2,3-cd]pyrene	1.0	U	0.12	1.0
Dibenz(a,h)anthracene	1.0	U	0.16	1.0
Benzo[g,h,i]perylene	10	U	2.7	10
bis (2-chloroisopropyl) ether	10	U	3.2	10

Client: Haley & Aldrich, Inc. Job Number: 460-4158-1

Client Sample ID: **FB072709**

Lab Sample ID: 460-4158-10FB Date Sampled: 07/27/2009 0815
Client Matrix: Water Date Received: 07/27/2009 1445

625 Semivolatile Organic Compounds (GC/MS)

Method:	625	Analysis Batch: 460-13243		Instrument ID:	BNAMS5
Preparation:	625	Prep Batch: 460-12865		Lab File ID:	x1574.d
Dilution:	1.0			Initial Weight/Volume:	990 mL
Date Analyzed:	08/01/2009 0926			Final Weight/Volume:	2 mL
Date Prepared:	07/28/2009 2118			Injection Volume:	1 uL

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	82		38 - 113
Nitrobenzene-d5	85		51 - 116
Terphenyl-d14	75		37 - 126

Client: Haley & Aldrich, Inc. Job Number: 460-4158-1

Client Sample ID: **FB072709**

Lab Sample ID: 460-4158-10FB Date Sampled: 07/27/2009 0815
Client Matrix: Water Date Received: 07/27/2009 1445

625 Semivolatile Organic Compounds (GC/MS)

Method:	625	Analysis Batch: 460-13243	Instrument ID:	BNAMS5
Preparation:	625	Prep Batch: 460-12865	Lab File ID:	x1574.d
Dilution:	1.0		Initial Weight/Volume:	990 mL
Date Analyzed:	08/01/2009 0926		Final Weight/Volume:	2 mL
Date Prepared:	07/28/2009 2118		Injection Volume:	1 uL

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Tentatively Identified Compound		None	

Client: Haley & Aldrich, Inc.

Job Number: 460-4158-1

Client Sample ID: **MW-103-072709**

Lab Sample ID: 460-4158-1

Client Matrix: Water

Date Sampled: 07/27/2009 0820

Date Received: 07/27/2009 1445

8270C Semivolatile Organic Compounds (GC/MS SIM)

Method:	8270C	Analysis Batch: 460-13127		Instrument ID:	BNAMS9
Preparation:	3510C	Prep Batch: 460-12860		Lab File ID:	h83206.d
Dilution:	1.0			Initial Weight/Volume:	980 mL
Date Analyzed:	07/30/2009 1647			Final Weight/Volume:	2 mL
Date Prepared:	07/28/2009 2011			Injection Volume:	

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzo[a]anthracene	0.052		0.020	0.051
Benzo[a]pyrene	0.051	U	0.031	0.051
Benzo[b]fluoranthene	0.051	U	0.041	0.051
Hexachlorobenzene	0.020	U	0.010	0.020

Client: Haley & Aldrich, Inc. Job Number: 460-4158-1

Client Sample ID: **MW-105-072709**

Lab Sample ID: 460-4158-2 Date Sampled: 07/27/2009 0845
Client Matrix: Water Date Received: 07/27/2009 1445

8270C Semivolatile Organic Compounds (GC/MS SIM)

Method:	8270C	Analysis Batch: 460-13264		Instrument ID:	BNAMS9
Preparation:	3510C	Prep Batch: 460-12860		Lab File ID:	h83219.d
Dilution:	1.0			Initial Weight/Volume:	990 mL
Date Analyzed:	07/31/2009 0958			Final Weight/Volume:	2 mL
Date Prepared:	07/28/2009 2011			Injection Volume:	

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzo[a]anthracene	0.033	J	0.020	0.051
Benzo[a]pyrene	0.051	U	0.030	0.051
Benzo[b]fluoranthene	0.051	U	0.040	0.051
Hexachlorobenzene	0.020	U	0.010	0.020

Client: Haley & Aldrich, Inc.

Job Number: 460-4158-1

Client Sample ID: **MW-118-072709**

Lab Sample ID: 460-4158-3

Client Matrix: Water

Date Sampled: 07/27/2009 0905

Date Received: 07/27/2009 1445

8270C Semivolatile Organic Compounds (GC/MS SIM)

Method:	8270C	Analysis Batch: 460-13264		Instrument ID:	BNAMS9
Preparation:	3510C	Prep Batch: 460-12865		Lab File ID:	h83224.d
Dilution:	1.0			Initial Weight/Volume:	990 mL
Date Analyzed:	07/31/2009 1217			Final Weight/Volume:	2 mL
Date Prepared:	07/28/2009 2118			Injection Volume:	

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzo[a]anthracene	0.051	U	0.020	0.051
Benzo[a]pyrene	0.051	U	0.030	0.051
Benzo[b]fluoranthene	0.051	U	0.040	0.051
Hexachlorobenzene	0.020	U	0.010	0.020

Client: Haley & Aldrich, Inc.

Job Number: 460-4158-1

Client Sample ID: **MW-107-072709**

Lab Sample ID: 460-4158-4

Client Matrix: Water

Date Sampled: 07/27/2009 0930

Date Received: 07/27/2009 1445

8270C Semivolatile Organic Compounds (GC/MS SIM)

Method:	8270C	Analysis Batch: 460-13264		Instrument ID:	BNAMS9
Preparation:	3510C	Prep Batch: 460-12865		Lab File ID:	h83225.d
Dilution:	1.0			Initial Weight/Volume:	980 mL
Date Analyzed:	07/31/2009 1244			Final Weight/Volume:	2 mL
Date Prepared:	07/28/2009 2118			Injection Volume:	

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzo[a]anthracene	0.12		0.020	0.051
Benzo[a]pyrene	0.051	U	0.031	0.051
Benzo[b]fluoranthene	0.051	U	0.041	0.051
Hexachlorobenzene	0.020	U	0.010	0.020

Client: Haley & Aldrich, Inc.

Job Number: 460-4158-1

Client Sample ID: **MW-124-072709**

Lab Sample ID: 460-4158-5

Client Matrix: Water

Date Sampled: 07/27/2009 1005

Date Received: 07/27/2009 1445

8270C Semivolatile Organic Compounds (GC/MS SIM)

Method:	8270C	Analysis Batch: 460-13264		Instrument ID:	BNAMS9
Preparation:	3510C	Prep Batch: 460-12865		Lab File ID:	h83226.d
Dilution:	1.0			Initial Weight/Volume:	980 mL
Date Analyzed:	07/31/2009 1311			Final Weight/Volume:	2 mL
Date Prepared:	07/28/2009 2118			Injection Volume:	

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzo[a]anthracene	0.23		0.020	0.051
Benzo[a]pyrene	0.079		0.031	0.051
Benzo[b]fluoranthene	0.051	U	0.041	0.051
Hexachlorobenzene	0.020	U	0.010	0.020

Client: Haley & Aldrich, Inc. Job Number: 460-4158-1

Client Sample ID: **MW-127-072709**

Lab Sample ID: 460-4158-6 Date Sampled: 07/27/2009 1035
Client Matrix: Water Date Received: 07/27/2009 1445

8270C Semivolatile Organic Compounds (GC/MS SIM)

Method:	8270C	Analysis Batch: 460-13264		Instrument ID:	BNAMS9
Preparation:	3510C	Prep Batch: 460-12865		Lab File ID:	h83227.d
Dilution:	1.0			Initial Weight/Volume:	980 mL
Date Analyzed:	07/31/2009 1339			Final Weight/Volume:	2 mL
Date Prepared:	07/28/2009 2118			Injection Volume:	

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzo[a]anthracene	0.14		0.020	0.051
Benzo[a]pyrene	0.033	J	0.031	0.051
Benzo[b]fluoranthene	0.051	U	0.041	0.051
Hexachlorobenzene	0.020	U	0.010	0.020

Client: Haley & Aldrich, Inc. Job Number: 460-4158-1

Client Sample ID: **MW-129-072709**

Lab Sample ID: 460-4158-7 Date Sampled: 07/27/2009 1130
Client Matrix: Water Date Received: 07/27/2009 1445

8270C Semivolatile Organic Compounds (GC/MS SIM)

Method:	8270C	Analysis Batch: 460-13264		Instrument ID:	BNAMS9
Preparation:	3510C	Prep Batch: 460-12865		Lab File ID:	h83228.d
Dilution:	1.0			Initial Weight/Volume:	990 mL
Date Analyzed:	07/31/2009 1406			Final Weight/Volume:	2 mL
Date Prepared:	07/28/2009 2118			Injection Volume:	

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzo[a]anthracene	0.45		0.020	0.051
Benzo[a]pyrene	0.19		0.030	0.051
Benzo[b]fluoranthene	0.074		0.040	0.051
Hexachlorobenzene	0.020	U	0.010	0.020

Client: Haley & Aldrich, Inc. Job Number: 460-4158-1

Client Sample ID: **MW-114-072709**

Lab Sample ID: 460-4158-8 Date Sampled: 07/27/2009 1205
Client Matrix: Water Date Received: 07/27/2009 1445

8270C Semivolatile Organic Compounds (GC/MS SIM)

Method:	8270C	Analysis Batch: 460-13264		Instrument ID:	BNAMS9
Preparation:	3510C	Prep Batch: 460-12865		Lab File ID:	h83229.d
Dilution:	1.0			Initial Weight/Volume:	990 mL
Date Analyzed:	07/31/2009 1434			Final Weight/Volume:	2 mL
Date Prepared:	07/28/2009 2118			Injection Volume:	

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzo[a]anthracene	0.24		0.020	0.051
Benzo[a]pyrene	0.15		0.030	0.051
Benzo[b]fluoranthene	0.095		0.040	0.051
Hexachlorobenzene	0.020	U	0.010	0.020

Client: Haley & Aldrich, Inc.

Job Number: 460-4158-1

Client Sample ID: **MW-112-072709**

Lab Sample ID: 460-4158-9

Client Matrix: Water

Date Sampled: 07/27/2009 1240

Date Received: 07/27/2009 1445

8270C Semivolatile Organic Compounds (GC/MS SIM)

Method:	8270C	Analysis Batch: 460-13264		Instrument ID:	BNAMS9
Preparation:	3510C	Prep Batch: 460-12865		Lab File ID:	h83230.d
Dilution:	1.0			Initial Weight/Volume:	990 mL
Date Analyzed:	07/31/2009 1501			Final Weight/Volume:	2 mL
Date Prepared:	07/28/2009 2118			Injection Volume:	

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzo[a]anthracene	0.18		0.020	0.051
Benzo[a]pyrene	0.065		0.030	0.051
Benzo[b]fluoranthene	0.051	U	0.040	0.051
Hexachlorobenzene	0.020	U	0.010	0.020

Client: Haley & Aldrich, Inc. Job Number: 460-4158-1

Client Sample ID: **FB072709**

Lab Sample ID: 460-4158-10FB Date Sampled: 07/27/2009 0815
Client Matrix: Water Date Received: 07/27/2009 1445

8270C Semivolatile Organic Compounds (GC/MS SIM)

Method:	8270C	Analysis Batch: 460-13264	Instrument ID:	BNAMS9
Preparation:	3510C	Prep Batch: 460-12865	Lab File ID:	h83231.d
Dilution:	1.0		Initial Weight/Volume:	990 mL
Date Analyzed:	07/31/2009 1529		Final Weight/Volume:	2 mL
Date Prepared:	07/28/2009 2118		Injection Volume:	

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzo[a]anthracene	0.051	U	0.020	0.051
Benzo[a]pyrene	0.051	U	0.030	0.051
Benzo[b]fluoranthene	0.051	U	0.040	0.051
Hexachlorobenzene	0.020	U	0.010	0.020

Client: Haley & Aldrich, Inc.

Job Number: 460-4158-1

Client Sample ID: **MW-103-072709**

Lab Sample ID: 460-4158-1

Client Matrix: Water

Date Sampled: 07/27/2009 0820

Date Received: 07/27/2009 1445

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 460-13014		Instrument ID:	PESTGC1
Preparation:	3510C	Prep Batch: 460-12861		Initial Weight/Volume:	950 mL
Dilution:	1.0			Final Weight/Volume:	5 mL
Date Analyzed:	07/29/2009 1145			Injection Volume:	1.0 uL
Date Prepared:	07/28/2009 2018			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aldrin	0.053	U	0.011	0.053
alpha-BHC	0.053	U	0.011	0.053
beta-BHC	0.053	U	0.012	0.053
delta-BHC	0.053	U	0.0095	0.053
gamma-BHC (Lindane)	0.053	U	0.013	0.053
Chlordane	0.53	U	0.35	0.53
4,4'-DDD	0.053	U	0.012	0.053
4,4'-DDE	0.053	U	0.0095	0.053
4,4'-DDT	0.053	U	0.011	0.053
Dieldrin	0.053	U	0.0053	0.053
Endosulfan I	0.053	U	0.0095	0.053
Endosulfan II	0.053	U	0.011	0.053
Endosulfan sulfate	0.053	U	0.017	0.053
Endrin	0.053	U	0.011	0.053
Endrin aldehyde	0.053	U	0.0095	0.053
Endrin ketone	0.053	U	0.012	0.053
Heptachlor	0.053	U	0.011	0.053
Heptachlor epoxide	0.053	U	0.011	0.053
Methoxychlor	0.053	U	0.014	0.053
Toxaphene	0.53	U	0.21	0.53

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	87		32 - 130
DCB Decachlorobiphenyl	84		23 - 161

Client: Haley & Aldrich, Inc. Job Number: 460-4158-1

Client Sample ID: **MW-103-072709**

Lab Sample ID: 460-4158-1 Date Sampled: 07/27/2009 0820
Client Matrix: Water Date Received: 07/27/2009 1445

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 460-13014	Instrument ID:	PESTGC1
Preparation:	3510C	Prep Batch: 460-12861	Initial Weight/Volume:	950 mL
Dilution:	1.0		Final Weight/Volume:	5 mL
Date Analyzed:	07/29/2009 1145		Injection Volume:	1.0 uL
Date Prepared:	07/28/2009 2018		Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	86		32 - 130
DCB Decachlorobiphenyl	80		23 - 161

Client: Haley & Aldrich, Inc.

Job Number: 460-4158-1

Client Sample ID: **MW-118-072709**

Lab Sample ID: 460-4158-3

Client Matrix: Water

Date Sampled: 07/27/2009 0905

Date Received: 07/27/2009 1445

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 460-13014		Instrument ID:	PESTGC1
Preparation:	3510C	Prep Batch: 460-12861		Initial Weight/Volume:	950 mL
Dilution:	1.0			Final Weight/Volume:	5 mL
Date Analyzed:	07/29/2009 1159			Injection Volume:	1.0 uL
Date Prepared:	07/28/2009 2018			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aldrin	0.053	U	0.011	0.053
alpha-BHC	0.053	U	0.011	0.053
beta-BHC	0.053	U	0.012	0.053
delta-BHC	0.053	U	0.0095	0.053
gamma-BHC (Lindane)	0.053	U	0.013	0.053
Chlordane	0.53	U	0.35	0.53
4,4'-DDD	0.053	U	0.012	0.053
4,4'-DDE	0.053	U	0.0095	0.053
4,4'-DDT	0.053	U	0.011	0.053
Dieldrin	0.053	U	0.0053	0.053
Endosulfan I	0.053	U	0.0095	0.053
Endosulfan II	0.053	U	0.011	0.053
Endosulfan sulfate	0.053	U	0.017	0.053
Endrin	0.053	U	0.011	0.053
Endrin aldehyde	0.053	U	0.0095	0.053
Endrin ketone	0.053	U	0.012	0.053
Heptachlor	0.053	U	0.011	0.053
Heptachlor epoxide	0.053	U	0.011	0.053
Methoxychlor	0.053	U	0.014	0.053
Toxaphene	0.53	U	0.21	0.53

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	86		32 - 130
DCB Decachlorobiphenyl	78		23 - 161

Client: Haley & Aldrich, Inc. Job Number: 460-4158-1

Client Sample ID: **MW-118-072709**

Lab Sample ID: 460-4158-3 Date Sampled: 07/27/2009 0905
Client Matrix: Water Date Received: 07/27/2009 1445

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 460-13014	Instrument ID:	PESTGC1
Preparation:	3510C	Prep Batch: 460-12861	Initial Weight/Volume:	950 mL
Dilution:	1.0		Final Weight/Volume:	5 mL
Date Analyzed:	07/29/2009 1159		Injection Volume:	1.0 uL
Date Prepared:	07/28/2009 2018		Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	82		32 - 130
DCB Decachlorobiphenyl	76		23 - 161

Client: Haley & Aldrich, Inc.

Job Number: 460-4158-1

Client Sample ID: **FB072709**

Lab Sample ID: 460-4158-10FB

Client Matrix: Water

Date Sampled: 07/27/2009 0815

Date Received: 07/27/2009 1445

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 460-13014		Instrument ID:	PESTGC1
Preparation:	3510C	Prep Batch: 460-12861		Initial Weight/Volume:	980 mL
Dilution:	1.0			Final Weight/Volume:	5 mL
Date Analyzed:	07/29/2009 1213			Injection Volume:	1.0 uL
Date Prepared:	07/28/2009 2018			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aldrin	0.051	U	0.010	0.051
alpha-BHC	0.051	U	0.010	0.051
beta-BHC	0.051	U	0.011	0.051
delta-BHC	0.051	U	0.0092	0.051
gamma-BHC (Lindane)	0.051	U	0.012	0.051
Chlordane	0.51	U	0.34	0.51
4,4'-DDD	0.051	U	0.011	0.051
4,4'-DDE	0.051	U	0.0092	0.051
4,4'-DDT	0.051	U	0.010	0.051
Dieldrin	0.051	U	0.0051	0.051
Endosulfan I	0.051	U	0.0092	0.051
Endosulfan II	0.051	U	0.010	0.051
Endosulfan sulfate	0.051	U	0.016	0.051
Endrin	0.051	U	0.010	0.051
Endrin aldehyde	0.051	U	0.0092	0.051
Endrin ketone	0.051	U	0.011	0.051
Heptachlor	0.051	U	0.010	0.051
Heptachlor epoxide	0.051	U	0.010	0.051
Methoxychlor	0.051	U	0.013	0.051
Toxaphene	0.51	U	0.20	0.51

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	84		32 - 130
DCB Decachlorobiphenyl	75		23 - 161

Client: Haley & Aldrich, Inc. Job Number: 460-4158-1

Client Sample ID: **FB072709**

Lab Sample ID: 460-4158-10FB Date Sampled: 07/27/2009 0815
Client Matrix: Water Date Received: 07/27/2009 1445

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 460-13014	Instrument ID:	PESTGC1
Preparation:	3510C	Prep Batch: 460-12861	Initial Weight/Volume:	980 mL
Dilution:	1.0		Final Weight/Volume:	5 mL
Date Analyzed:	07/29/2009 1213		Injection Volume:	1.0 uL
Date Prepared:	07/28/2009 2018		Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	80		32 - 130
DCB Decachlorobiphenyl	74		23 - 161

Client: Haley & Aldrich, Inc.

Job Number: 460-4158-1

Client Sample ID: **MW-103-072709**

Lab Sample ID: 460-4158-1

Client Matrix: Water

Date Sampled: 07/27/2009 0820

Date Received: 07/27/2009 1445

200.8 Metals (ICP/MS)-Total Recoverable

Method:	200.8	Analysis Batch: 460-13002		Instrument ID:	ICPMS1
Preparation:	200.8	Prep Batch: 460-12896		Lab File ID:	037SMPL.D
Dilution:	5.0			Initial Weight/Volume:	100 mL
Date Analyzed:	07/29/2009 2127			Final Weight/Volume:	100 mL
Date Prepared:	07/29/2009 0908				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Silver	5.0	U	4.0	5.0
Aluminum	408		48.5	50.0
Arsenic	2.5	U	2.3	2.5
Barium	99.2		4.1	5.0
Beryllium	1.0	U	0.72	1.0
Calcium	159000		212	250
Cadmium	2.5	U	2.0	2.5
Cobalt	5.0	U	4.1	5.0
Chromium	5.0	U	3.7	5.0
Copper	5.0	U	4.1	5.0
Iron	7180		126	150
Potassium	7960		201	250
Magnesium	25000		203	250
Manganese	457		8.5	10.0
Sodium	227000		224	250
Nickel	5.0	U	4.3	5.0
Lead	7.5		1.2	1.5
Antimony	2.5	U	1.8	2.5
Selenium	2.5	U	1.9	2.5
Thallium	1.0	U	0.78	1.0
Vanadium	5.0	U	4.3	5.0
Zinc	20.0	U	16.4	20.0

7470A Mercury (CVAA)

Method:	7470A	Analysis Batch: 460-12925		Instrument ID:	LEEMAN5
Preparation:	7470A	Prep Batch: 460-12878		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	100 mL
Date Analyzed:	07/29/2009 1114			Final Weight/Volume:	100 mL
Date Prepared:	07/29/2009 0750				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	0.20	U	0.18	0.20

Client: Haley & Aldrich, Inc. Job Number: 460-4158-1

Client Sample ID: **MW-105-072709**

Lab Sample ID: 460-4158-2 Date Sampled: 07/27/2009 0845
Client Matrix: Water Date Received: 07/27/2009 1445

200.8 Metals (ICP/MS)-Total Recoverable

Method:	200.8	Analysis Batch: 460-13002		Instrument ID:	ICPMS1
Preparation:	200.8	Prep Batch: 460-12896		Lab File ID:	039SMPL.D
Dilution:	5.0			Initial Weight/Volume:	100 mL
Date Analyzed:	07/29/2009 2143			Final Weight/Volume:	100 mL
Date Prepared:	07/29/2009 0908				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Silver	5.0	U	4.0	5.0
Aluminum	24500		48.5	50.0
Arsenic	84.8		2.3	2.5
Barium	1600		4.1	5.0
Beryllium	2.9		0.72	1.0
Calcium	158000		212	250
Cadmium	6.1		2.0	2.5
Cobalt	38.9		4.1	5.0
Chromium	190		3.7	5.0
Copper	1060		4.1	5.0
Iron	85900		126	150
Potassium	19700		201	250
Magnesium	43000		203	250
Manganese	1220		8.5	10.0
Sodium	350000		224	250
Nickel	205		4.3	5.0
Lead	2640		1.2	1.5
Antimony	9.1		1.8	2.5
Selenium	11.3		1.9	2.5
Thallium	2.1		0.78	1.0
Vanadium	149		4.3	5.0
Zinc	3210		16.4	20.0

7470A Mercury (CVAA)

Method:	7470A	Analysis Batch: 460-12925		Instrument ID:	LEEMAN5
Preparation:	7470A	Prep Batch: 460-12878		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	100 mL
Date Analyzed:	07/29/2009 1118			Final Weight/Volume:	100 mL
Date Prepared:	07/29/2009 0750				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	5.0		0.18	0.20

Client: Haley & Aldrich, Inc. Job Number: 460-4158-1

Client Sample ID: **MW-118-072709**

Lab Sample ID: 460-4158-3 Date Sampled: 07/27/2009 0905
Client Matrix: Water Date Received: 07/27/2009 1445

200.8 Metals (ICP/MS)-Total Recoverable

Method:	200.8	Analysis Batch: 460-13002		Instrument ID:	ICPMS1
Preparation:	200.8	Prep Batch: 460-12896		Lab File ID:	042SMPL.D
Dilution:	5.0			Initial Weight/Volume:	100 mL
Date Analyzed:	07/29/2009 2207			Final Weight/Volume:	100 mL
Date Prepared:	07/29/2009 0908				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Silver	6.7		4.0	5.0
Aluminum	96000		48.5	50.0
Arsenic	235		2.3	2.5
Barium	2400		4.1	5.0
Beryllium	9.0		0.72	1.0
Cadmium	9.7		2.0	2.5
Cobalt	114		4.1	5.0
Chromium	664		3.7	5.0
Copper	1740		4.1	5.0
Iron	293000		126	150
Potassium	20900		201	250
Magnesium	68800		203	250
Manganese	3440		8.5	10.0
Sodium	127000		224	250
Nickel	365		4.3	5.0
Lead	10200		1.2	1.5
Antimony	5.2		1.8	2.5
Selenium	16.1		1.9	2.5
Thallium	3.1		0.78	1.0
Vanadium	362		4.3	5.0
Zinc	3360		16.4	20.0

Method:	200.8	Analysis Batch: 460-13099		Instrument ID:	ICPMS1
Preparation:	200.8	Prep Batch: 460-12896		Lab File ID:	050SMPL.D
Dilution:	20			Initial Weight/Volume:	100 mL
Date Analyzed:	07/30/2009 2040			Final Weight/Volume:	100 mL
Date Prepared:	07/29/2009 0908				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Calcium	283000		848	1000

7470A Mercury (CVAA)

Method:	7470A	Analysis Batch: 460-12925		Instrument ID:	LEEMAN5
Preparation:	7470A	Prep Batch: 460-12878		Lab File ID:	N/A
Dilution:	2.0			Initial Weight/Volume:	100 mL
Date Analyzed:	07/29/2009 1135			Final Weight/Volume:	100 mL
Date Prepared:	07/29/2009 0750				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	11.8		0.37	0.40

Client: Haley & Aldrich, Inc. Job Number: 460-4158-1

Client Sample ID: **MW-107-072709**

Lab Sample ID: 460-4158-4 Date Sampled: 07/27/2009 0930
Client Matrix: Water Date Received: 07/27/2009 1445

200.8 Metals (ICP/MS)-Total Recoverable

Method:	200.8	Analysis Batch: 460-13002		Instrument ID:	ICPMS1
Preparation:	200.8	Prep Batch: 460-12896		Lab File ID:	043SMPL.D
Dilution:	5.0			Initial Weight/Volume:	100 mL
Date Analyzed:	07/29/2009 2215			Final Weight/Volume:	100 mL
Date Prepared:	07/29/2009 0908				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Silver	9.2		4.0	5.0
Aluminum	78000		48.5	50.0
Arsenic	216		2.3	2.5
Beryllium	7.8		0.72	1.0
Cadmium	20.0		2.0	2.5
Cobalt	103		4.1	5.0
Chromium	338		3.7	5.0
Copper	1490		4.1	5.0
Iron	312000		126	150
Potassium	26400		201	250
Magnesium	59900		203	250
Manganese	3610		8.5	10.0
Sodium	312000		224	250
Nickel	272		4.3	5.0
Lead	10200		1.2	1.5
Antimony	11.6		1.8	2.5
Selenium	11.7		1.9	2.5
Thallium	3.4		0.78	1.0
Vanadium	338		4.3	5.0
Zinc	6450		16.4	20.0

Method:	200.8	Analysis Batch: 460-13099		Instrument ID:	ICPMS1
Preparation:	200.8	Prep Batch: 460-12896		Lab File ID:	051SMPL.D
Dilution:	20			Initial Weight/Volume:	100 mL
Date Analyzed:	07/30/2009 2048			Final Weight/Volume:	100 mL
Date Prepared:	07/29/2009 0908				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Barium	41000		16.4	20.0
Calcium	324000		848	1000

7470A Mercury (CVAA)

Method:	7470A	Analysis Batch: 460-12925		Instrument ID:	LEEMAN5
Preparation:	7470A	Prep Batch: 460-12878		Lab File ID:	N/A
Dilution:	2.0			Initial Weight/Volume:	100 mL
Date Analyzed:	07/29/2009 1137			Final Weight/Volume:	100 mL
Date Prepared:	07/29/2009 0750				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	12.8		0.37	0.40

Client: Haley & Aldrich, Inc. Job Number: 460-4158-1

Client Sample ID: **MW-124-072709**

Lab Sample ID: 460-4158-5 Date Sampled: 07/27/2009 1005
Client Matrix: Water Date Received: 07/27/2009 1445

200.8 Metals (ICP/MS)-Total Recoverable

Method:	200.8	Analysis Batch: 460-13002		Instrument ID:	ICPMS1
Preparation:	200.8	Prep Batch: 460-12896		Lab File ID:	044SMPL.D
Dilution:	5.0			Initial Weight/Volume:	100 mL
Date Analyzed:	07/29/2009 2223			Final Weight/Volume:	100 mL
Date Prepared:	07/29/2009 0908				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Silver	11.6		4.0	5.0
Arsenic	260		2.3	2.5
Barium	3270		4.1	5.0
Beryllium	18.0		0.72	1.0
Cadmium	10.7		2.0	2.5
Cobalt	234		4.1	5.0
Chromium	652		3.7	5.0
Copper	4590		4.1	5.0
Iron	496000		126	150
Manganese	8430		8.5	10.0
Nickel	685		4.3	5.0
Lead	10400		1.2	1.5
Antimony	17.8		1.8	2.5
Selenium	23.5		1.9	2.5
Thallium	7.8		0.78	1.0
Vanadium	740		4.3	5.0
Zinc	6580		16.4	20.0

Method:	200.8	Analysis Batch: 460-13099		Instrument ID:	ICPMS1
Preparation:	200.8	Prep Batch: 460-12896		Lab File ID:	052SMPL.D
Dilution:	20			Initial Weight/Volume:	100 mL
Date Analyzed:	07/30/2009 2056			Final Weight/Volume:	100 mL
Date Prepared:	07/29/2009 0908				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aluminum	228000		194	200
Calcium	344000		848	1000
Potassium	33500		805	1000
Magnesium	105000		814	1000
Sodium	249000		897	1000

7470A Mercury (CVAA)

Method:	7470A	Analysis Batch: 460-12925		Instrument ID:	LEEMAN5
Preparation:	7470A	Prep Batch: 460-12878		Lab File ID:	N/A
Dilution:	5.0			Initial Weight/Volume:	100 mL
Date Analyzed:	07/29/2009 1138			Final Weight/Volume:	100 mL
Date Prepared:	07/29/2009 0750				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	21.0		0.92	1.0

Client: Haley & Aldrich, Inc. Job Number: 460-4158-1

Client Sample ID: **MW-127-072709**

Lab Sample ID: 460-4158-6 Date Sampled: 07/27/2009 1035
Client Matrix: Water Date Received: 07/27/2009 1445

200.8 Metals (ICP/MS)-Total Recoverable

Method:	200.8	Analysis Batch: 460-13002		Instrument ID:	ICPMS1
Preparation:	200.8	Prep Batch: 460-12896		Lab File ID:	045SMPL.D
Dilution:	5.0			Initial Weight/Volume:	100 mL
Date Analyzed:	07/29/2009 2230			Final Weight/Volume:	100 mL
Date Prepared:	07/29/2009 0908				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Silver	5.0	U	4.0	5.0
Aluminum	33500		48.5	50.0
Arsenic	56.8		2.3	2.5
Barium	632		4.1	5.0
Beryllium	2.3		0.72	1.0
Calcium	74900		212	250
Cadmium	3.8		2.0	2.5
Cobalt	35.6		4.1	5.0
Chromium	107		3.7	5.0
Copper	364		4.1	5.0
Iron	87500		126	150
Potassium	10100		201	250
Magnesium	21200		203	250
Manganese	980		8.5	10.0
Sodium	293000		224	250
Nickel	92.1		4.3	5.0
Lead	2880		1.2	1.5
Antimony	5.9		1.8	2.5
Selenium	6.8		1.9	2.5
Thallium	0.82	J	0.78	1.0
Vanadium	116		4.3	5.0
Zinc	1570		16.4	20.0

7470A Mercury (CVAA)

Method:	7470A	Analysis Batch: 460-12925		Instrument ID:	LEEMAN5
Preparation:	7470A	Prep Batch: 460-12878		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	100 mL
Date Analyzed:	07/29/2009 1128			Final Weight/Volume:	100 mL
Date Prepared:	07/29/2009 0750				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	5.2		0.18	0.20

Client: Haley & Aldrich, Inc. Job Number: 460-4158-1

Client Sample ID: **MW-129-072709**

Lab Sample ID: 460-4158-7 Date Sampled: 07/27/2009 1130
Client Matrix: Water Date Received: 07/27/2009 1445

200.8 Metals (ICP/MS)-Total Recoverable

Method:	200.8	Analysis Batch: 460-13002		Instrument ID:	ICPMS1
Preparation:	200.8	Prep Batch: 460-12896		Lab File ID:	046SMPL.D
Dilution:	5.0			Initial Weight/Volume:	100 mL
Date Analyzed:	07/29/2009 2238			Final Weight/Volume:	100 mL
Date Prepared:	07/29/2009 0908				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Silver	5.0	U	4.0	5.0
Aluminum	20000		48.5	50.0
Arsenic	19.9		2.3	2.5
Barium	312		4.1	5.0
Beryllium	1.3		0.72	1.0
Calcium	67000		212	250
Cadmium	2.5	U	2.0	2.5
Cobalt	14.6		4.1	5.0
Chromium	94.3		3.7	5.0
Copper	129		4.1	5.0
Iron	41500		126	150
Potassium	14400		201	250
Magnesium	11600		203	250
Manganese	909		8.5	10.0
Sodium	881000		224	250
Nickel	38.2		4.3	5.0
Lead	360		1.2	1.5
Antimony	2.0	J	1.8	2.5
Selenium	2.4	J	1.9	2.5
Thallium	1.0	U	0.78	1.0
Vanadium	60.1		4.3	5.0
Zinc	225		16.4	20.0

7470A Mercury (CVAA)

Method:	7470A	Analysis Batch: 460-13035		Instrument ID:	LEEMAN5
Preparation:	7470A	Prep Batch: 460-12990		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	100 mL
Date Analyzed:	07/30/2009 1139			Final Weight/Volume:	100 mL
Date Prepared:	07/30/2009 0745				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	2.6		0.18	0.20

Client: Haley & Aldrich, Inc. Job Number: 460-4158-1

Client Sample ID: **MW-114-072709**

Lab Sample ID: 460-4158-8 Date Sampled: 07/27/2009 1205
Client Matrix: Water Date Received: 07/27/2009 1445

200.8 Metals (ICP/MS)-Total Recoverable

Method:	200.8	Analysis Batch: 460-13002		Instrument ID:	ICPMS1
Preparation:	200.8	Prep Batch: 460-12896		Lab File ID:	047SMPL.D
Dilution:	5.0			Initial Weight/Volume:	100 mL
Date Analyzed:	07/29/2009 2246			Final Weight/Volume:	100 mL
Date Prepared:	07/29/2009 0908				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Silver	5.0	U	4.0	5.0
Aluminum	37400		48.5	50.0
Arsenic	87.2		2.3	2.5
Barium	1630		4.1	5.0
Beryllium	4.0		0.72	1.0
Calcium	245000		212	250
Cadmium	7.5		2.0	2.5
Cobalt	33.6		4.1	5.0
Chromium	160		3.7	5.0
Copper	682		4.1	5.0
Iron	85800		126	150
Potassium	23800		201	250
Magnesium	38900		203	250
Manganese	2270		8.5	10.0
Sodium	1220000		224	250
Nickel	114		4.3	5.0
Lead	2120		1.2	1.5
Antimony	5.0		1.8	2.5
Selenium	12.8		1.9	2.5
Thallium	1.8		0.78	1.0
Vanadium	131		4.3	5.0
Zinc	1770		16.4	20.0

7470A Mercury (CVAA)

Method:	7470A	Analysis Batch: 460-13035		Instrument ID:	LEEMAN5
Preparation:	7470A	Prep Batch: 460-12990		Lab File ID:	N/A
Dilution:	10			Initial Weight/Volume:	100 mL
Date Analyzed:	07/30/2009 1217			Final Weight/Volume:	100 mL
Date Prepared:	07/30/2009 0745				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	43.0		1.8	2.0

Client: Haley & Aldrich, Inc. Job Number: 460-4158-1

Client Sample ID: **MW-112-072709**

Lab Sample ID: 460-4158-9 Date Sampled: 07/27/2009 1240
Client Matrix: Water Date Received: 07/27/2009 1445

200.8 Metals (ICP/MS)-Total Recoverable

Method:	200.8	Analysis Batch: 460-13002		Instrument ID:	ICPMS1
Preparation:	200.8	Prep Batch: 460-12896		Lab File ID:	048SMPL.D
Dilution:	5.0			Initial Weight/Volume:	100 mL
Date Analyzed:	07/29/2009 2255			Final Weight/Volume:	100 mL
Date Prepared:	07/29/2009 0908				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Silver	5.0	U	4.0	5.0
Aluminum	61200		48.5	50.0
Arsenic	63.8		2.3	2.5
Barium	1480		4.1	5.0
Beryllium	5.1		0.72	1.0
Calcium	264000		212	250
Cadmium	5.6		2.0	2.5
Cobalt	54.3		4.1	5.0
Chromium	295		3.7	5.0
Copper	682		4.1	5.0
Iron	120000		126	150
Potassium	18800		201	250
Magnesium	45800		203	250
Manganese	2760		8.5	10.0
Sodium	854000		224	250
Nickel	165		4.3	5.0
Lead	2610		1.2	1.5
Antimony	8.3		1.8	2.5
Selenium	6.3		1.9	2.5
Thallium	1.0	U	0.78	1.0
Vanadium	155		4.3	5.0
Zinc	2270		16.4	20.0

7470A Mercury (CVAA)

Method:	7470A	Analysis Batch: 460-13035		Instrument ID:	LEEMAN5
Preparation:	7470A	Prep Batch: 460-12990		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	100 mL
Date Analyzed:	07/30/2009 1147			Final Weight/Volume:	100 mL
Date Prepared:	07/30/2009 0745				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	7.2		0.18	0.20

Client: Haley & Aldrich, Inc. Job Number: 460-4158-1

Client Sample ID: **FB072709**

Lab Sample ID: 460-4158-10FB Date Sampled: 07/27/2009 0815
Client Matrix: Water Date Received: 07/27/2009 1445

200.8 Metals (ICP/MS)-Total Recoverable

Method:	200.8	Analysis Batch: 460-13002		Instrument ID:	ICPMS1
Preparation:	200.8	Prep Batch: 460-12896		Lab File ID:	038SMPL.D
Dilution:	5.0			Initial Weight/Volume:	100 mL
Date Analyzed:	07/29/2009 2135			Final Weight/Volume:	100 mL
Date Prepared:	07/29/2009 0908				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Silver	5.0	U	4.0	5.0
Aluminum	50.0	U	48.5	50.0
Arsenic	2.5	U	2.3	2.5
Barium	5.0	U	4.1	5.0
Beryllium	1.0	U	0.72	1.0
Calcium	250	U	212	250
Cadmium	2.5	U	2.0	2.5
Cobalt	5.0	U	4.1	5.0
Chromium	5.0	U	3.7	5.0
Copper	5.0	U	4.1	5.0
Iron	150	U	126	150
Potassium	250	U	201	250
Magnesium	250	U	203	250
Manganese	10.0	U	8.5	10.0
Sodium	250	U	224	250
Nickel	5.0	U	4.3	5.0
Lead	1.5	U	1.2	1.5
Antimony	2.5	U	1.8	2.5
Selenium	2.5	U	1.9	2.5
Thallium	1.0	U	0.78	1.0
Vanadium	5.0	U	4.3	5.0
Zinc	20.0	U	16.4	20.0

7470A Mercury (CVAA)

Method:	7470A	Analysis Batch: 460-12925		Instrument ID:	LEEMAN5
Preparation:	7470A	Prep Batch: 460-12878		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	100 mL
Date Analyzed:	07/29/2009 1116			Final Weight/Volume:	100 mL
Date Prepared:	07/29/2009 0750				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	0.20	U	0.18	0.20