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US Army Corps of Engineers
Kansas City District

Final (Revised) Data Gap Evaluation Technical Memorandum

Remedial Investigation/ Feasibility Study
Raritan Bay Slag Superfund Site
Old Bridge/ Sayreville, New Jersey

USACE Contract No. W912DQ-08-D-0018
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Acronyms

APE	Area of Potential Effects
ARARs	Applicable or relevant and appropriate requirements
ATSDR	Agency for Toxic Substances and Disease Registry
bgs	below ground surface
BERA	Baseline Ecological Risk Assesment
BTAG	Biological Technical Assistance Group
CAS	Chemical Abstract Service
CDM	CDM Federal Programs Corporation
CHMM	Certified Hazardous Materials Manager
CLP	contract laboratory program
CPT	cone penetration test
CSM	conceptual site model
CVs	comparison values
DDD	dichlorodiphenyldichloroethane
DDE	dichlorodiphenyldichloroethylene
DDT	dichlorodiphenyltrichloroethane
DESA	Division of Environmental Science and Assessment
DO	dissolved oxygen
DOC`	dissolved organic carbon
DOE	department of energy
EcoSSLs	Ecological Soil Screening Levels
EDD	electronic data deliverable
Eh	oxidation/reduction potential
EI	electrical imaging
EPA	United States Environmental Protection Agency
EQuIS	environmental quality information system
ERC	Environmental Response Contractor
ERT	Emergency Response Team
FDEM	frequency domain electromagnetic
ft/min	feet per minute
FS	feasibility study
GIS	Geographic Information System
GPR	Ground penetrating radar
GPS	global positioning system
HRS	Hazard Ranking System
IA	Integrated Assessment
IC	indicator contaminants
ID	identification
J	estimated
k	hydraulic conductivity
kHz	Kilohertz
L	liter
LOAEL	lowest observed effects level
LOD	limit of detection
MCL	maximum contamination levels

mg/kg	milligrams per kilograms
mg/L	milligrams per liter
mR/hr	milliRoentgens per hour
MW	monitoring well
msl	mean sea level
NA	not applicable
NJDEP	New Jersey Department of Environmental Protection
NJDHSS	New Jersey Department of Health and Senior Services
NJGWQS	New Jersey Groundwater Quality Standards
NOAA	National Oceanic and Atmospheric Administration
NPL	National Priorities List
NRWQS	National Recommended Water Quality Criteria
OBMUA	Old Bridge Municipal Utilities Authority
PAH	polycyclic aromatic compounds
Pb^0	lead
$PbCO_3$	lead carbonate
PbO	lead oxide
$PbSO_4$	lead sulfate
$PbZnO_3$	lead zinc oxide
$PbZrO_3$	lead-zirconium oxide
PCB	polychlorinated biphenyls
ppm	parts per million
PQL	project quantitation limit
PRG	Preliminary Remediation Goals
PRM	Potomac-Raritan-Magothy
QAPP	quality assurance project plan
Qbs	Quarternary age beach deposit
QC	quality control
Qmm	Quarternary age estuarine deposit
Qtu	Upper Terrace Deposit
Qwcp	weathered coastal plain sediments
R	rejected
RAWP	Remedial Action Work Plan
RCRA	Resource Conservation and Recovery Act
REAC	Response Engineering and Analytical Contract
REMAP	Regional Environmental Monitoring Assessment Program
RI	remedial investigation
RI/FS	remedial investigation/feasibility study
RSL	regional screening level
SDG	sample delivery group
SLERA	screening level ecological risk assessment
SVOC	semivolatile organic compound
TAL	target analyte list
TBC	to be considered
TCL	target compound list
TCLP	toxicity characterization leaching procedure
TSS	total suspended solids
TOC	total organic carbon

µg	microgram
µg/kg	microgram per kilogram
µg/L	microgram per liter
UCL	upper confidence limit
UFP	unified federal policy
USACE	United States Army Corps of Engineers
USFWS	United States Fish and Wildlife Service
USGS	United States Geological Survey
VOC	volatile organic compound
XRD	X-Ray Diffraction
XRF	X-Ray Fluorescence

Section 1
Introduction

Under the United States Army Corps of Engineers (USACE), Kansas City District, Contract No. W912DQ-08-D-0018, Task Order No. 018, CDM Federal Programs Corporation (CDM) has been tasked to provide technical services to complete a Remedial Investigation/Feasibility Study (RI/FS) for the Raritan Bay Slag Superfund Site (the site) located in Old Bridge and Sayreville, Middlesex County, New Jersey. As an initial step in the RI/FS, CDM was tasked to prepare this technical memorandum to identify gaps in the existing data.

1.1 Purpose of the Technical Memorandum

The overall goal is to ensure that there is sufficient data to support the RI, FS, human health risk assessment, and ecological risk assessment.

The key goals of this technical memorandum are as follows:

- Summarize existing data provided by the USACE
- Identify gaps in the existing data
- Provide recommendations to fill the data gaps

1.2 Technical Memorandum Organization

This Technical Memorandum is organized in the following manner:

Section 1 Introduction - presents an overview of the site including the environmental setting and a summary of activities that have occurred at the site to date.

Section 2 Data Evaluation– describes the overall approach and provides the screening criteria used to evaluate the existing data

Section 3 Summary of Historical Data – Summarizes the existing data collected from the site and presents findings and conclusion of various historical reports.

Section 4 Data Gap Evaluation and Recommendations – Evaluates gaps in the existing data by Site Area and provides recommendations to fill the data gaps.

Section 5 References

1.3 Site Description

This section provides an overview of the Raritan Bay Slag site including the site location, a description of key site features, and a summary of contaminant sources.

1.3.1 Site Location

The site is located on the shore of Raritan Bay, in the eastern part of Old Bridge

Township within the Laurence Harbor section in Middlesex County, New Jersey. Raritan Bay is also referred to as Raritan-Sandy Hook Bay, but will be referred to as Raritan Bay throughout this document. A small portion of the northern end of the site, the western jetty at the Cheesequake Creek Inlet, is located in the Borough of Sayreville. The site is situated in a residential area on Raritan Bay in New Jersey and is bordered to the east and west by residential properties; immediately to the south by State Highway 35 with residential properties beyond the highway; and to the north by Raritan Bay. Figure 1-1 provides a site map and shows the location of the site.

1.3.2 Key Site Features

The site is approximately 1.5 miles in length and consists of the waterfront area between Margaret's Creek (also known as Marquis Creek on some maps) and the area just beyond the western jetty at the Cheesequake Creek Inlet. The site also includes the wetland areas connected to Margaret's Creek. The portion of the site located in Old Bridge contains the Old Bridge Waterfront Park. The park is made up of walking paths, a playground area, several public beaches, and three jetties, not including the two jetties at the Cheesequake Creek Inlet. The park waterfront is protected by a seawall.

1.3.3 Contaminant Sources

Slag from lead smelting and recovery operations is present in two source areas at the site: the Cheesequake Creek western jetty and the seawall. These source areas were identified in EPA's Hazard Ranking System Report (HRS) (EPA, 2009) and have been the subject of numerous investigations, which are summarized in Section 3.

Slag from lead smelting and recovery operations was placed at the site approximately 40 years ago. The seawall is partially constructed with pieces of slag while the western jetty at the Cheesequake Creek Inlet and the adjoining waterfront area west of the jetty also contain slag. Analysis of the slag indicates the presence of high concentrations of metals including lead, arsenic, antimony, copper, and chromium. Leaching tests performed by the Environmental Protection Agency's (EPA's) Emergency Response Team (ERT) indicate that metals leach from the slag under environmental conditions.

In September 1972, the New Jersey Department of Environmental Protection (NJDEP) was advised by a local environmental commission member that lead-bearing waste material was being deposited along the Laurence Harbor beachfront. The material was reported to be non-recoverable, low-yield metallic waste from a blast furnace and blast furnace rubble. The slag was deposited at the beachfront in the late 1960s and early 1970s, mostly in the form of kettle bottoms, in an area that had sustained significant beach erosion and damage due to a series of storms in the 1960s. Demolition debris in the form of concrete and a variety of bricks, including fire bricks, was also placed along the beachfront. A portion of the seawall also contains large riprap believed to have been placed over the slag when the grassed and paved portion of the park was developed.

The western jetty at Cheesequake Creek Inlet has been in existence since the USACE constructed it in the late nineteenth century. The slag was reportedly placed on the jetty during the same general time period as the construction of the seawall. The entire

jetty is covered with slag that is similar in appearance to the slag on the seawall. The waste material and slag were used to supplement the jetty and were used as fill and stabilizing material for the seawall.

Other potential sources of contamination at the site include fill material in the Margaret's Creek area and fill material in the park area adjoining the seawall (Areas 1 and 4).

In May 2007, elevated concentrations of metals including lead, arsenic, antimony, and chromium were detected fill material soil samples collected from the Margaret's Creek area (Area 9) during a site investigation performed in connection with construction of an interceptor sewer for the Old Bridge Municipal Utilities Authority (OBMUA) (OBMUA 2007). However, the site investigation was limited to the 40-foot wide sanitary sewer easement that crosses the Margaret's Creek area. Contaminated soils within a portion of the construction easement were removed during the construction activities. However, the remaining fill potentially is a source of contamination to Margaret's Creek and the associated wetlands. The previous site investigation and cleanup activities conducted in the Margaret's Creek area are described in Sections 3.5 and 3.6.

The park area adjoining the seawall (Figure 1-2) may contain fill material placed in connection with construction of the seawall or during construction of the paved and grassed park areas. A surface geophysical investigation performed in spring 2009, identified a number of subsurface anomalies and concluded that fill materials may be buried in this area. Test excavations are planned for the park area adjoining the seawall to uncover and characterize any buried fill material and to collect samples for chemical analysis. Test excavation activities are schedule to begin in April 2010.

The site has been the subject of numerous environmental investigations and remediation work dating back to 2006. Widespread metals contamination has been observed in soil, sediment, and surface water during multiple site investigations performed by or on behalf of both NJDEP in 2006 and 2007and EPA in 2008 and 2009.

1.4 Environmental Setting

1.4.1 Topography and Drainage

As shown on Figure 1-1 the site is located along Raritan Bay between the Cheesequake Inlet on the west and Margaret's Creek to the east. This map also shows site topography which varies from a maximum of 40 feet just south of Margaret's Creek and 50 feet just west of Cheesequake Creek to essentially sea level along the beach where the Site Areas shown on the map are located. Beach topography varies with the season in response to storms and wave action. During the summer the beach profile is typically relatively flat and is steeper during the winter.

Surface water drainage in the vicinity of the site is toward Cheesequake Creek, Flat Creek, or Stump Creek, and their associate wetlands, or towards Margaret's Creek and its associated wetland. Surface drainage at the site itself and in the Site Areas shown

on Figure 1-1 is toward Raritan Bay, or in the case of Areas 4 and 9, directly toward the bay and toward Margaret's Creek and its associated wetland.

1.4.2 Geology and Hydrogeology

This section provides an overview of the geology and hydrogeology in the vicinity of the site based on review of available information.

Geology

Figure 1-2 shows the surficial geologic map of the Raritan Bay site and vicinity and the location of the two known slag source areas. The site is underlain primarily by Quaternary age beach deposits (Qbs) which are up to 15 feet thick. Off shore, the site is underlain by Quaternary age estuarine deposits (Qmm) consisting of organic clay and silt, peat, and sand and gravel. These same estuarine deposits underlie Cheesequake Creek, Margaret's Creek and their associated wetlands. In the vicinity of the site the estuarine deposits are at least 50 feet thick underlying Cheesequake Creek where regional mapping shows that the top of the Cretaceous age Magothy Formation is at an elevation of –50 feet mean sea level (msl). Developed areas, where houses and business are located, are underlain by weathered coastal plain sediments (Qwcp), consisting of sand, silt, and clay, or Upper Terrace Deposits (Qtu) which consist of sand, gravel, minor silt and are up to 20 feet thick. The surficial deposits described above are underlain by the Cretaceous-age Magothy Formation. The Magothy Formation is extensive in outcrop and in the subsurface throughout the Coastal Plain of New Jersey and adjacent states. On a regional basis, the formations are part of a major Coastal Plain aquifer system known as the Potomac-Raritan-Magothy (PRM). The PRM system consists of lower, middle, and upper aquifers that are separated by confining units. Only the middle and upper aquifers and their intervening confining unit are present in Middlesex County. In the vicinity of the site the Magothy Formation is underlain by bedrock at a depth of about 500 feet below the ground surface (bgs).

Hydrogeology

As illustrated in Figure 1-3, the Raritan Bay site is an area of extensive interaction between surface water and groundwater. This figure shows that the site is bordered to the south by the predominantly saline wetlands associated with Cheesequake Creek and Margaret's Creek. Regionally, groundwater flow in the Magothy Formation would be expected to be from the west to the east and to discharge into Raritan Bay. No site-wide water level data are available at the present time but shallow groundwater flow in the surficial Quaternary age deposits is expected to be predominantly toward the nearest surface water body which might be a creek, a wetland, or the bay. Close to the Site Areas groundwater would be expected to flow toward the bay. There should also be an upward vertical gradient close to the bay as groundwater discharges to the bay. Groundwater levels in the surficial deposits should be influenced by tidal fluctuations in Raritan Bay, Cheesequake Creek, and Margaret's Creek. The influence will be greatest close to the bay and creeks and will dissipate with distance.

1.4.3 Surface Water

Major surface water bodies in the vicinity of the site include Raritan Bay, Cheesequake Creek, and Margaret's Creek. Figures 1-1 and 1-3 show the surface water bodies in the vicinity of the site.

Raritan Bay

The Raritan Bay is a large embayment, approximately 109 square miles in area, bordering the states of New York and New Jersey. Raritan Bay receives input from the Raritan River, Shrewsbury and Navesink Rivers (via Sandy Hook Bay), and numerous smaller streams along the shorelines of the bay. Raritan Bay also receives input from the Hudson River via the lower New York Harbor and from the Passaic and Hackensack Rivers via Newark Bay and the Arthur Kill. With the exception of navigation channels, water depths in the bay are relatively shallow, often less than 20 feet deep. The average tidal range in the bay is 5.5 feet. The mixing of marine and fresh waters within the bay results in large fluctuations in salinity, temperature, and dissolved oxygen. Sediments in the bay are predominantly sand, with areas of gravelly sand overlain by silt and very fine sand (U.S. Fish and Wildlife Service [USFWS], 1997).

The Raritan Bay and adjoining terrestrial habitats support the rich and diverse ecological resources characteristic of estuarine environments. Over 90 species of fish and 205 species of emphasis, including threatened and endangered species, occur in Raritan Bay. It is estimated that over 60,000 shore birds visit the Raritan Bay area each year (USFWS Undated).

Cheesequake Creek

Cheesequake Creek is a tidal creek that drains tidal wetlands located southwest of the creek outlet and discharges to Raritan Bay between two jetties referred to as the Cheesequake Creek western and eastern jetties. The Cheesequake Creek western jetty has been augmented with slag that is visible on the surface. Side scan sonar of the creek bed between the two jetties and visual observations by EPA divers indicate that sediment in the creek is primarily gravel. Stream flow records for Cheesequake Creek were not available from the United States Geological Survey (USGS).

Margaret's Creek

Margaret's Creek is a small tidal stream that drains a wetland near the eastern border of the site and discharges directly to Raritan Bay. The creek is located just east of a seawall that has visible slag. Metals contamination has also been observed in the soils of the wetland that are drained by the creek. Field observations during the site visit by CDM indicate that the stream has a sandy bed near its outlet to Raritan Bay. At the time of the site visit, stream flow was very low. It is likely that stream flow in Margaret's Creek fluctuates widely in response to precipitation events and storm surges. Stream flow data were not available from USGS.

1.5 Investigation Areas

The site has been divided into 11 Site Areas based on areas identified in historical investigations and reports, site physical characteristics, and the locations of known or

potential sources. Figure 1-2 shows the Site Areas. Initially, a total of nine Site Areas were identified. However, Site Areas 10 and 11 were added for the following reasons:

- Area 10 is a sediment background location.
- Area 11 was defined because previous reports recommended additional sampling in depositional areas associated with Areas 7 and 8.

The 11 Site Areas are defined as follows:

Area 1: Laurence Harbor Seawall - the seawall along Old Bridge Waterfront Park west of Margaret's Creek to the beach area at the foot of Laurence Parkway.

Area 2: Laurence Harbor Beach - the beach area at the foot of Laurence Parkway between the western end of the seawall and the first jetty.

Area 3: Laurence Harbor Playground - the park playground adjacent to the western end of the seawall.

Area 4: Old Bridge Waterfront Park - the park area along the seawall (not including the playground) from the fence to the roadway.

Area 5: Laurence Harbor Beach - the beach area between the first and third jetty.

Area 6: Laurence Harbor Beach - the beach area between the third jetty and Cheesequake Creek Inlet eastern jetty.

Area 7: Cheesequake Creek Inlet - the inlet between the eastern and western jetties from the jetty points to Route 35.

Area 8: Cheesequake Creek Inlet Western Jetty - the jetty west of the inlet in Sayreville

Area 9: Margaret's Creek - the wetlands associated with the Creek (between the beach and Route 35), including the adjacent beach (east of the Creek to the Middlesex County Pumping Station).

Area 10: Background Area – the historical background sampling location.

Area 11: Depositional Areas – the potential depositional areas associated with Areas 7 and 8.

The summary of historical data presented in Section 3 reflects the 11 Site Areas as currently configured. The evaluation of data gaps and recommendations provided in Section 4 were prepared for each of the 11 areas.

Section 2
Data Evaluation

This section discusses the approach to evaluation of existing data for the site and identifies the criteria used to screen the data to identify data gaps.

2.1 Database Development

To facilitate evaluation and presentation of a large amount of existing data collected by multiple entities, CDM uploaded the data into the EQuIS database. EQuIS is an environmental data management and reporting platform that interfaces with industry standard data reporting, spatial analysis, and data evaluation software. Analytical and location data provided in electronic data deliverables (EDDs) were uploaded directly into the database. A subset of the data was not in electronic format and was input manually. Quality Control (QC) checks were performed on 100% of the data that were entered manually. Approximately 1,600 sample results were uploaded into the EQuIS database. The database was used to facilitate evaluation, reporting, and visualization of the data. The data were grouped by site-specific areas, media, and in the case of sediment and soil data, by depth. Data are presented and evaluated for 11 separate Site Areas.

After uploading was complete, the analytical data were checked for completeness and to ensure that all of the associated data fields such as depth, location, and media type were fully populated. In some cases, data such as depth, location, and media type were missing or incorrect. Location data was checked against the location information provided in the Geographic Information System (GIS) and corrected, if necessary. Information on media type and sample depth was obtained from existing reports. In some instances, media type was assigned based on sample locations depicted in the GIS.

To support evaluation of the existing data by Site Area, GIS was used to assign an area attribute to all of the records in the database. The area attribute was used to support the various queries required to screen the data by Site Area. In addition, multiple data files in the existing GIS were consolidated to support effective retrieval and graphical presentation of spatial data. GIS was used to develop graphics to support evaluation of analytical data.

2.2 Data Quality and Reporting

No assessment was made of the quality of the data used in this technical memorandum. With the exception of data obtained from the OBMUA for Area 9, all data used in this technical memorandum were generated by EPA contractors using EPA laboratory resources including EPA's Contract Laboratory Program (CLP), EPA's Region 2 Division of Environmental Science and Assessment (DESA) laboratory, and EPA's ERT laboratory. These laboratories operate in accordance with EPA's quality assurance/quality control (QA/QC) program requirements. EPA contractors released the data in various reports and, therefore, it is assumed that the data were validated for use in reporting.

The quality of OBMUA data for Area 9 was not assessed or validated because the laboratory data packages were not available. These data cover a limited area and were collected and analyzed under the auspices of NJDEP.

Review of the existing data indicated that some data were rejected. Data qualified as "rejected" (R) were not used in this technical memorandum. All of the remaining data, including data qualified as "estimated" (J), are considered to be valid and were used to support evaluation of data gaps.

Analytical data presented in this technical memorandum are reported in units consistent with the standard data reporting units used by EPA's CLP laboratory and are as follows:

- Organic and inorganic data for aqueous samples are presented in micrograms per liter (µg/L).
- Organic data for solid samples (i.e., soils and sediments) are presented in micrograms per kilogram (µg/kg).
- Inorganic data for solid samples are presented in milligram per kilogram (mg/kg).

2.3 Screening Criteria

To support evaluation of gaps in the existing data, screening criteria were selected to evaluate contaminants detected in site media. Whenever possible, established regulatory criteria, known as chemical-specific applicable or relevant and appropriate requirements (ARARs), were used for the screening criteria values. In addition to ARARs, regulatory guidance values, known as "to be considered" (TBC), were also used.

The screening criteria for sediment, surface water/pore water, soil, and groundwater are provided in Tables 2-1 through 2-4. Since multiple screening criteria were identified for each environmental medium, to be conservative, the lowest value was used to screen the data.

Samples were categorized by media for screening (e.g., soil, sediment, surface water). In most instances, the media designation provided in the existing data report was used. However, in some instances it was apparent that samples that were clearly sediment samples based on their location were designated as soil samples in the electronic data files. The media type was adjusted accordingly based on a review of the locations of the sample in the GIS.

The screening criteria in tables 2-1 through 2-4 were compiled for the purpose for evaluating the existing data. These screening criteria will be revised and updated during the course of the RI based on input from the USACE and stakeholders.

Screening criteria were compiled from various sources as described below.

2.3.1 Screening Criteria for Sediment

Sediment screening criteria were compiled from the following sources.

- EPA Regional Screening Level (RSL) for residential soil, based on cancer risk of 1×10^{-6} and non-cancer hazard index of 0.1 (EPA 2009).
- NJDEP Ecological Screening Criteria (NJDEP 2009 http://www.nj.gov/dep/srp/guidance/ecoscreening/).
- National Oceanic and Atmospheric Administration (NOAA) Screening Quick Reference Tables, Office of Response and Restoration Division (NOAA 2008).
- EPA Region 3 Biological Technical Assistance Group (BTAG) Marine Sediment Screening Benchmarks, Mid-Atlantic Risk Assessment: Ecological Risk Assessment (EPA 2006).

2.3.2 Screening Criteria for Soils

Screening criteria for soils were compiled from the following sources.

- NJDEP Residential Direct Contact Health Based Criteria and Soil Remediation Standards (NJDEP 2008)
- NJDEP Non-Residential Direct Contact Health Based Criteria and Soil Remediation (NJDEP 2008)
- NJDEP Guidance Document, Development of Site-Specific Impact to Groundwater Soil Remediation Standards Using the Soil-Water Partition Equation (NJDEP 2008)
- Ambient Levels of Metals in New Jersey Soils (NJDEP 2003)
- EPA RSL for residential soil, based on cancer risk of 1×10^{-6} and non-cancer hazard index of 0.1 (EPA 2009)
- EPA Ecological Soil Screening Levels (EcoSSLs)
- Efroymson, R.A., G.W. Suter II, B.E. Sample, and D.S. Jones. Preliminary Remediation Goals (PRGs) for Ecological Endpoints. Prepared for the Department of Energy (DOE) (1997)
- EPA Region 5 Resource Conservation and Recovery Act (RCRA) Ecological Screening Levels (EPA 2003)

2.3.3 Screening Criteria for Surface Water and Pore Water

Surface waters/pore water screening criteria were compiled from the following sources.

- NJDEP Surface Water Quality Standards, Saline Water, Chronic Values (NJDEP 2009)
- National Recommended Water Quality Criteria (NRWQC), Saltwater Criterion, Continuous Concentrations (EPA 2009)
- EPA 2006. EPA Region 3 BTAG Marine Screening Benchmarks. Mid-Atlantic Risk Assessment: Ecological Risk Assessment, (EPA 2006)

2.3.4 Screening Criteria for Groundwater

Groundwater screening criteria were compiled from the following sources.

- New Jersey Ground Water Quality Standards Class IIA (NJAC 7:9C) (NJDEP 2008)
- EPA National Primary Drinking Water Standards (maximum contaminant levels [MCLs], EPA 816-F-03-016 (EPA 2003)
- New Jersey Drinking Water Standards (NJDEP 2005)

- EPA RSL for tap water, based on cancer risk of 1×10^{-6} and non-cancer hazard index of 0.1 (EPA 2009)

2.3.5 Background

Background values were not developed in this technical memorandum and the existing data were not screened against background concentrations. Information in the Regional Environmental Monitoring Assessment Program (REMAP) report (EPA 2003), a bay-wide study of contaminant levels in Raritan Bay, will be assessed before the work plan is completed and may be used to support development of representative background levels for sediments for use in the RI report. Limited background data for sediment and surface water are included in the existing data. Section 4 includes recommendations for establishing background concentrations for the site media that will be investigated during the RI.

2.4 Indicator Contaminants

To provide a focused and coherent assessment of the large quantity of existing analytical data, CDM reviewed existing documents and data to identity contaminants that could be used as indicator contaminants. Previous reports used a similar approach, although the contaminants that were used as indicators varied among the reports and included lead, arsenic, antimony, copper, chromium and other metals. These metals or metalloids (arsenic) were known to be associated with the slag. In leaching tests and slag composition tests, lead was typically present at concentration orders of magnitude greater than any of the other metals present in the slag (Lockheed Martin 2009). Although other metals were found in varying but lower proportions in slag relative to lead, arsenic was considered to be a good indicator contaminant because of its generally higher water solubility. This characteristic of arsenic makes it suitable as an indicator contaminant since it represents a greater ability to migrate in environmental media than lead.

Although all data were screened against site-specific screening criteria and are presented in this memorandum (Appendix A), two metals, lead and arsenic, were selected as indicator contaminants. This approach was used to evaluate the existing sediment, surface water, pore water, and soil sampling data. In addition to the considerations above related to the characteristics of lead and arsenic in the slag source material, the following information was also considered in the selection of indicator contaminants.

- The frequency and magnitude of lead and arsenic in samples that exceeded screening criteria
- The occurrence of other metals including antimony, copper, and chromium, along with lead and arsenic in the samples

The evaluation of data gaps is focused on the extent and spatial distribution of lead and arsenic concentrations that exceed applicable screening criteria in site media. Appendix A includes tables comparing all sampling results against the selected media-specific screening criteria. Figures 4-2 through 4-39 in Section 4 show the

distribution of lead and arsenic concentrations exceeding screening criteria in sediment, surface water, pore water, and soil samples.

2.5 Organic Contaminants

Thirty-five sediment and 14 soil samples collected during previous investigations were analyzed for organic contaminants including volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), pesticides, and polychlorinated biphenyls (PCBs). Organic compounds were screened against the media-specific screening criteria presented in Section 2.3. Organic compounds that exceeded screening criteria are provided in Appendix A and are discussed in Section 4.2.6 Organic Contaminants.

Section 3
Summary of Historical Data

The following sections provide a summary of the historical data that were reviewed as part of the data gap evaluation. The data were reviewed and are presented by Site Area. The Site Areas covered in each report are described in each section.

3.1 Introduction

As discussed in Section 1, the site has been the subject of numerous environmental activities dating back to 2004. The historical data that were reviewed to prepare this Technical Memorandum include the following:

- Regional Environmental Monitoring Assessment Program (EPA 2003).
- Phase IA Cultural Resources Survey, Laurence Harbor Interceptor, Old Bridge Township, Middlesex County, New Jersey (February 2005) prepared by Richard Grubb & Associates, Inc., Cultural Resource Consultants.
- Phase IB Cultural Resources Survey, Laurence Harbor Interceptor, Old Bridge Township, Middlesex County, New Jersey (April 2005) prepared by Richard Grubb & Associates, Inc., Cultural Resource Consultants.
- Site Investigation Report for Old Bridge Township – Margarets Creek Property, Old Bridge Township, Middlesex County (April 2007) prepared by NJDEP.
- Specifications, Drawings, Proposal and Contract Documents for Old Bridge Municipal Utilities Authority, Laurence Harbor Interceptor, Middlesex County, NJ, Contract No. 2005-1 Rebid, Geotechnical and Hydrogeological Information (April 2007) prepared by R3M Engineering, Inc.
- Memorandum, Laurence Harbor Seawall, Engagement of Laboratory Services Contract A57425 (May 19, 2007) prepared by NJDEP's Environmental Measurements Section.
- Memorandum, Margaret's Creek Lead Contamination – A4639300, Soil Sampling – July 24, 2007 (August 6, 2007) prepared by NJDEP's Environmental Measurements Section.
- Memorandum, Quality Assurance Review – Laurence Harbor Petroleum (SDG 120127) Site (August 16, 2007) prepared by NJDEP's Office of Data Quality Hazardous Site Science Element.
- Memorandum, Quality Assurance Review – Laurence Harbor Petroleum (SDG 120128) Site (August 22, 2007) prepared by NJDEP's Office of Data Quality Hazardous Site Science Element.
- Limited Site Investigation Report and Remedial Action Workplan, NJDEP Case No. 07-04-18-1110-28, Laurence Harbor Interceptor Sewer Easement, Block 1 Lot

54.11 & 54.12, Township of Old Bridge, Middlesex County, New Jersey (August 2007) prepared by Icon Engineering.

- Memorandum, Quality Assurance Review – Margaret's Creek Lead Contamination (SDG 121055) Site (September 4, 2007) prepared by NJDEP's Office of Data Quality Hazardous Site Science Element.

- Memorandum, Quality Assurance Review – Margaret's Creek Lead Contamination (SDG 121058) Site (September 4, 2007) prepared by NJDEP's Office of Data Quality Hazardous Site Science Element.

- Permit-by-Rule Application, Discharge to Groundwater Work Plan, NJDEP Case No. 07-04-18-1110-28, Laurence Harbor Interceptor Sewer Easement, Block 1 Lot 54.11 & 54.12, Township of Old Bridge, Middlesex County, New Jersey (September 2007) prepared by Icon Engineering.

- Remedial Action Report, NJDEP Case No. 07-04-18-1110-28, Laurence Harbor Interceptor Sewer Easement, Block 1 Lot 54.11 & 54.12, Township of Old Bridge, Middlesex County, New Jersey (April 2008) prepared by Icon Engineering.

- Summary Letter Report, Raritan Bay Slag, Old Bridge and Sayreville, New Jersey (January 2009) prepared by Weston Solutions, Inc.

- Health Consultation, Evaluation of Environmental Data, Raritan Bay Slag, Old Bridge and Sayreville, Middlesex County, New Jersey, EPA Facility ID: NJN000206276 (February 2009) prepared by U.S. Department of Health and Human Services, Public Health Service, Agency of Toxic Substances and Diseases Registry (ATSDR), Division of Health and Assessment and Consultation.

- Hazardous Ranking System Documentation Record, Raritan Bay Slag (April 2009) prepared by EPA.

- Summary Letter Report Phase II, Raritan Bay Slag, Old Bridge and Sayreville, New Jersey (June 2009) prepared by Weston Solutions, Inc.

- Chemical Assessment Report, Characterization of Slag/Waste Material Fate and Transport of Contaminants Biomonitoring of Contaminants, Report 1 of 2 (June 2009) prepared by Lockheed Martin/REAC.

- Side Scan Sonar and Diver Investigation Surveys at the Raritan Bay Slag Site, Site Investigation and Analytical Results – Work Assignment #0-356 (June 2009) prepared by Lockheed Martin Technology Services/Environmental Services REAC.

- Technical Memorandum, Geophysical Survey, Raritan Bay Slag – Work Assignment # 0-356 (July 2009) prepared by Lockheed Martin.

- Trip Report: Raritan Bay Sediment Sampling, Laurence Harbor, NJ – Work Assignment No. 0-356 (August 2009) prepared by REAC.

- Biological Assessment, Ecological Risk Assessment, Report, 2 of 2, Raritan Bay Slag Site, Old Bridge Township, New Jersey (2010) prepared by Lockheed Martin/REAC.

3.2 NJDEP Preliminary Site Investigation, April 2007 (March 2007 Sampling Results)

3.2.1 Description

NJDEP completed a Preliminary Assessment to review environmental records available for the Margaret's Creek Property (Area 9).

On December 13, 2006, NJDEP completed a limited site investigation to visually characterize fill material using 11 test excavations (test pits). The test pit locations were biased (using historical aerial photographs) to the thickest deposits of fill or based upon evidence of surface waste materials. Test pits were excavated to native material. Minor amounts of non-soil materials were encountered in 1 of the 11 test pits.

On March 4, 2007, representatives of NJDEP's Bureau of Environmental Measurements & Site Assessment collected 17 soil samples. Sample locations were biased toward areas with accumulations of shredded battery casings and areas devoid of vegetation in which refractory brick, slag, and other waste materials were present. Samples L-1 through L-13 were collected in areas of accumulated battery casings and analyzed for lead. Samples S-1 through S-4 were collected in areas devoid of vegetation and were analyzed for Target Analyte List (TAL) metals and the full suite of Target Compound List (TCL) organics. Soil samples analyzed for lead and TAL metals were collected from the 0 to 6-inch interval beneath the waste materials. Soil samples analyzed for TCL organics were collected from 6 to 12 inches bgs.

Figure 6 of the site investigation report, provided in Attachment 1 shows the sample locations where lead was detected and the associated analytical results. Sampling results are included in Appendix B. Only the analytical results for lead were discussed in the report.

3.2.2 Findings

3.2.2.1 Preliminary Assessment

The major findings of the preliminary assessment were as follows:

- The area is not listed in the State's Known Contaminated Sites or Solid Waste Disposal Area databases.

- The owner of the area, Old Bridge Township, did not have knowledge of the nature of the fill material present.

- The area is mapped in NJDEP's GIS as "Critical Emergent Wetland" and as foraging habitat for the State-threatened species the Black-Crowned Night Heron.

- The following observations were made in the report based on review of historic aerial photographs:

  – 1930 – The area observed to be a tidal marsh with a road traversing southwest/northeast of Route 35 to a cluster of structures on Raritan Bay.
  – 1974 – Observed filling of an approximately 20-acre portion of the area.

3.2.2.2 March 2007 Soil Sampling Results

Lead was detected in soil samples collected from locations L-1 through L-13 and S-1 at concentrations above NJDEP's non-restricted future use soil cleanup criterion (400 parts per million [ppm]) and restricted future use soil cleanup criterion (600 ppm), respectively. Lead concentrations ranged from 701 ppm to 146,000 ppm, with an average concentration of 50,482 ppm. Results for analysis of organic compounds were not reported.

The Site Assessment Report recommended that the Green Acres program not purchase the property and that Old Bridge Township be advised of the results of the investigation. The parties were urged to address the contamination under the NJDEP Site Remediation & Waste Management Program.

3.3 NJDEP Sampling Event, May 2007 (May 2007 Sampling Results)

3.3.1 Description

On May 23, 2007, NJDEP conducted an emergency soil sampling event for the Laurence Harbor Seawall Project. A total of 34 surface soil samples and 3 duplicates were collected within Areas 1, 2, 4 and the eastern end of 5. The surface soil samples were collected at various depths and analyzed for TAL metals. Sample locations are presented on Map I of the NJDEP report, which is provided in Attachment 2.

3.3.2 Findings

A complete data set is included in Appendix C; however, only site-specific contaminants (antimony, arsenic, chromium, copper, lead, manganese, nickel, silver, and zinc) are summarized below. Concentrations of these metals frequently exceeded soil screening criteria used in the Weston and EPA Response Engineering and Analytical Contract (REAC) sampling events discussed later in this document.

Analytical results from the NJDEP May 2007 soil investigation indicate concentrations of the following nine metals in soils: Lead (8.1 to 142,000 mg/kg), antimony (0.85 to 12,900 mg/kg), arsenic (2 to 3,350 mg/kg), chromium (6.6 to 54.4 mg/kg), copper (4.2 to 3,590 mg/kg), manganese (17.7 to 542 mg/kg), nickel (0.52 to 286 mg/kg), silver (0.15 to 11.8 mg/kg), and zinc (4.1 to 683 mg/kg).

3.4 NJDEP Sampling Event, July 2007 (July 2007 Sampling

Results)

3.4.1 Description

On July 24, 2007, NJDEP collected surface soil samples at the Old Bridge Waterfront Walkway, in the eastern edge of Areas 1, 2, 4, the eastern end of Area 5 and the western edge of Area 9. Soil samples associated with the NJDEP May 2007 sampling event revealed elevated levels of lead, antimony, and arsenic. The results prompted a second round of surface soil sampling to further investigate the park area where exposure to walkway users was most likely to occur. Thirty-two locations were chosen in the park including an expanse of beach east of the footbridge over Margaret's Creek. All samples were collected from the 0 to 6-inch depth interval and analyzed for TAL metals. Sample locations are presented on Map I of the NJDEP report, which is provided in Attachment 2.

A radiation meter (Micro R/Model 19 with Gamma probe) was used to scan the slag material along the seawall. Gamma readings were within the background range of 5 to 6 microRoentgens per hour. Based on these observations, NJDEP concluded that the slag did not present an immediate radiological concern.

3.4.2 Findings

A complete data set is provided in Appendix D; however, only the contaminants antimony, arsenic, chromium, copper, lead, manganese, nickel, silver, and zinc are summarized below.

Analytical results from the NJDEP July 2007 surface soil investigation detected concentrations of the following nine metals: Lead (3.1 to 545 mg/kg), antimony (0.42 to 20.2 mg/kg), arsenic (1.3 to 24.5 mg/kg), chromium (2.8 to 34.4 mg/kg), copper (1 to 44 mg/kg), manganese (7.2 to 244 mg/kg), nickel (0.52 to 13 mg/kg), silver (0.5 mg/kg), and zinc (4.9 to 51.6 mg/kg).

3.5 OBMUA Limited Site Investigation Report and Remedial Action Work Plan, August 2007 (May 2007 Sampling Results)

3.5.1 Description

In May 2007, sampling was conducted in Area 9. Icon Engineering, on behalf of OBMUA, R3M Engineering Inc., and NJDEP conducted a Limited Site Investigation in the Laurence Harbor Interceptor Sewer construction easement located on Lots 54.11 and 54.12 in Block 1 of the Township of Old Bridge, Middlesex County, New Jersey. The site investigation activities were limited to fill materials located within a 40-foot wide sanitary sewer construction easement that traverses an approximately 60-acre open space parcel (Area 9).

A total of 43 surface (0 to 6 inches) soil samples from the main fill area were screened for metals in the field using a portable X-Ray Fluorescence (XRF) analyzer. Although the XRF results were reviewed, the data are considered to be screening-level and were not used in the data gap evaluation in Section 4. Fifteen samples were analyzed for

TAL metals. Six samples were analyzed for TCL base-neutral SVOCs. A total of six soil samples from the road/beach area were screened with the XRF analyzer; three of these samples were analyzed for TAL metals.

Seven test pits were excavated from depths between 6 and 12 feet bgs to evaluate the fill composition. A total of 23 borings were drilled to depths ranging from 10 to 20 feet bgs to evaluate the fill composition and thickness. Eight samples were collected from the borings and analyzed for full TCL compounds and TAL analytes.

A total of three shallow monitoring wells (MW1, MW2, and MW3) were installed by ICON Engineering in July 2004 to evaluate groundwater levels for dewatering operations performed in connection with installation of the pipeline. The wells were installed in the silty marsh deposits where the pipeline was expected to be installed. The three wells were constructed of polyvinyl chloride (PVC) and fitted with 10-foot PVC screens. Two of the wells were drilled to 15 feet (MW2 and MW-3) and one was drilled to 20 feet (MW-1). These wells were redeveloped, sampled, and the samples were analyzed for TCL VOCs (TCL VO+10) and TAL metals.

Sample locations and contaminant detections are presented in Attachment 3, including Figures 4-A, 4-B, 6 and 7 from the OBMUA Report. Results are included in Appendix E.

Based on the results, a Remedial Action Work Plan (RAWP) proposed excavation and off-site disposal of the contaminated soil and post-excavation XRF sampling with laboratory confirmation. The proposed remedial action was limited to contaminated fill soil within the 40-foot wide construction easement. The findings of the investigation and main features of the proposed remedial action are described in the following two sections.

3.5.2 Findings

- No correlation was observed between the groundwater quality and the soil contamination; lead was below the Class IIA groundwater quality standard in the groundwater samples.

- The thickness of the fill layer within the area of investigation varied from about 7.5 to 15 feet bgs.

- Contaminated soil was only present in a limited section of the construction easement and appeared to be surficial. Contaminants of concerns were identified to be lead, antimony, arsenic, and chromium.

- The following contaminants were detected in soil samples collected from the fill area soils: Lead (non-detect to 24,000 mg/kg), antimony (non-detect to 110 mg/kg), arsenic (non-detect to 23 mg/kg), and chromium (non-detect to 45 mg/kg).

- The following contaminants were detected in the Road/Beach areas soils: Lead (7.1 to 370 mg/kg), antimony (non-detect to 6.6 mg/kg), arsenic (non-detect to 16 mg/kg), and chromium (non-detect to 17 mg/kg).

- XRF soil screening results exceeded soil screening concentrations for five metals: Antimony (85 to 210 ppm), arsenic (22 to 852 ppm), cadmium (41 to 45 ppm), mercury (17 to 156 ppm), and lead (667 to 39,162 ppm).

- Groundwater screening samples exceeded screening concentrations for nine metals: Aluminum (11,000 µg/L), antimony (7.5 µg/L), arsenic (4 to 5.1 µg/L), beryllium (1.1 to 4 µg/L), iron (8,100 to 110,000 µg/L), manganese (160 to 690 µg/L), and sodium (250,000 µg/L).

3.5.3 Remedial Action Selection

The RAWP concluded that contaminated fill material was present in limited portions of the sewer construction easement. Due to the apparent limited extent of contamination within the easement, excavation and off-site disposal of the contaminated fill was the recommended remedial approach. Remediation of the contaminated fill material within the construction easement would be coordinated with the sewer construction activities and would take place prior to construction. The RAWP did not address contamination outside of the construction easement.

3.6 OBMUA Remedial Action Report, April 2008 (October 2007 to February 2008 Sampling Results)

3.6.1 Description

Between November 2007 and February 2008, Icon Engineering on behalf of OBMUA, R3M Engineering Inc. and NJDEP conducted remedial action activities within a portion of a 40-foot wide sanitary sewer construction easement. This area is the upland road area that traverses the Margaret's Creek wetland in Area 9. The objective of the remediation was to remove the contaminated fill materials from the construction easement so that the proposed sewer line could be installed in Area 9.

On October 25, 2007, prior to the remedial action, six pre-remedial samples were collected and analyzed for total lead and for toxicity characteristic leaching procedure (TCLP) lead to classify the waste for disposal.

Contaminated soil was removed with an excavator and stockpiled pending off-site disposal. Soil excavation ranged from 6 to 18 inches below the pre-existing grade. All of the excavated soil was classified as hazardous due to lead TCLP concentrations. A total of 1,075 tons of hazardous soil was excavated and disposed of offsite.

Thirty-five final post-excavation samples were collected to document the effectiveness of the remedial action. Final post-excavation samples were analyzed with XRF equipment. Seven confirmatory samples were collected and shipped to a state-certified laboratory for antimony, arsenic, hexavalent chromium, and lead analyses. Sample

locations and detection figures are presented in Figures 2 and 3 of the OBMUA Report provided in Attachment 4. Results are included in Appendix F.

3.6.2 Findings

- The pre-remedial soil samples had lead concentrations up to 152 milligrams per liter (mg/L) in the TCLP leachate, indicating that the excavated soil would be considered hazardous waste.

- Results for the post-excavation soil samples indicated concentrations of the following three metals: Lead (17 to 400 mg/kg), antimony (non-detect to 4.7 mg/kg), and arsenic (3 to 17 mg/kg). Hexavalent chromium was analyzed but not detected in post-excavation soil samples.

- XRF soil screening results indicated concentrations of the following four metals: Antimony below the limit of detection (LOD), arsenic (7 to 17 mg/kg), chromium below the LOD, and lead (12 to 297 mg/kg). Antimony and chromium had high levels of uncertainty with maximum values of ± 185 and 167, respectively.

3.7 EPA Summary Letter Report, Phase I Investigation, January 2009 (September 2008 Sampling Results)

3.7.1 Description

From September 10 through 16, 2008, EPA's contractor, Weston Solutions, Inc, conducted an Integrated Assessment (IA) sampling program. During the IA, Weston collected a total of 48 aqueous samples, 95 surface soil samples, 10 subsurface soil samples, and 84 sediment samples. Sample locations, sample identification, and analytical results for the IA are presented in Figures 1 through 6 of the Phase I report and are provided in Attachment 5. Results are included in Appendix G.

Surface water samples were collected from Area 1, Area 2, Area 4, and Areas 6 through 9. The surface water samples collected from Area 6 were localized within the beach area parallel to the inlet along the eastern side of the Cheesequake Creek Inlet. Surface water samples were analyzed for TAL total metals and dissolved metals (excluding mercury and including tin) through the EPA CLP.

The sediment samples were collected from 0 to 3 inches below the sediment surface from Area 1, Area 2, Area 6, Area 8, Area 9, and the background location (Area 10). Sediment samples collected from Area 1 were localized in the area west of Margaret's Creek. Additional sediment samples were collected from a localized area west of the Cheesquake Creek Inlet western jetty, within Area 8. Sediment samples were analyzed for TAL metals through EPA's CLP and for grain-size distribution.

The surface soil samples were collected from 0 to 2 inches bgs from Areas 1 through 3, Areas 5 through 8, and background locations (Area 10). Surface soil samples were also collected from localized areas within Areas 1 and 6 described above. Surface soil samples collected from Area 5 were concentrated on the eastern portion of the beach. Subsurface soil samples (6 to 12 inches, 12 to 18 inches) were collected from Area 1, Area 2, Area 5, and Area 8. Additional surface and subsurface soil samples were

collected from a localized area west of the western inlet jetty, within Area 8. Surface and subsurface soil samples were analyzed for TAL metals and TCLP metals through the EPA CLP.

3.7.2 Findings

Analytical results for samples collected during the IA investigation are summarized by area in the sections below.

3.7.2.1 Area 1: Laurence Harbor Seawall

- Surface soil samples had lead ranging from 44.8 to 16,000 mg/kg. The maximum concentration of copper is 74.4 mg/kg. Antimony and arsenic data were rejected as unusable during the data validation process.

- Subsurface soil samples had lead ranging from 22.5 to 1,100 mg/kg. The maximum concentration of copper is 51.4 mg/kg. Antimony and arsenic data were rejected as unusable during the data validation process. Four soil samples analyzed for TCLP metals exceeded the 0.5 mg/L RCRA limit for lead.

- Analytical results for surface water samples showed a maximum lead concentration of 153 µg/L.

- Surface soil samples within the localized area west of Margaret's Creek had lead ranging from 11.4 to 10,200 mg/kg. Maximum concentrations for the three following metals were: Antimony (120 mg/kg), arsenic (48.3 mg/kg), and copper (186 mg/kg).

- Sediment samples collected within the localized area west of Margaret's Creek had lead ranging from 7.3 to 5,860 mg/kg. Maximum concentrations for the three following metals were: Antimony (33.2 mg/kg), arsenic (22.5 mg/kg), and copper (117 mg/kg).

- Based on grain size distribution analysis, sediment samples within Area 1 contained 96.7% sand and gravel.

3.7.2.2 Area 2: Laurence Harbor Beach (Seawall West end to First Jetty)

- Surface soil samples had lead ranging from 57.9 mg/kg to 1,630 mg/kg.

- Subsurface soil samples (6 to 12 inches, 12 to 18 inches) had lead ranging from 649 to 23,800 mg/kg. Maximum concentrations detected for the three following metals were: Antimony (832 mg/kg), arsenic (602 mg/kg), and copper (704 mg/kg).

- Sediment samples had lead ranging from 200 to 533 mg/kg. Maximum concentrations detected for the three following metals were: Antimony (32.9 mg/kg), arsenic (55.7mg/kg), and copper (46.7 mg/kg).

- Surface water samples collected from the beach area had an average lead concentration of 1,179 µg/L, with a maximum lead concentration of 1,450 µg/L. Maximum concentrations of the three following metals were: Antimony (29 µg/L), arsenic (34.5 µg/L), and copper (67.7 µg/L).

- Based on grain size distribution analysis, sediment samples within Area 2 contained 96.7% sand and gravel.

3.7.2.3 Area 3: Laurence Harbor Playground

Soil samples collected from the playground area had lead ranging from 8.9 to 97.8 mg/kg. Maximum concentrations for the three following metals were: Antimony (0.42 mg/kg), arsenic (144 mg/kg), and copper (131 mg/kg).

3.7.2.4 Area 4: Old Bridge Waterfront Park (Walking Park Parallel to Seawall)

The surface water sample collected from the backside of the seawall in the wetland near Margaret's Creek had a maximum lead concentration of 298 µg/L.

3.7.2.5 Area 5: Laurence Harbor Beach (First Jetty to Third Jetty)

Surface soil samples had lead ranging from 109 to 935 mg/kg. The maximum concentration of copper was 75.7 mg/kg. Antimony and arsenic data were rejected as unusable during the data validation process.

3.7.2.6 Area 6: Laurence Harbor Beach (Third Jetty West to Eastern Inlet Jetty)

- Surface soil samples had lead ranging from 1.7 to 94.1 mg/kg. The maximum concentrations for the following two metals were: Arsenic (9.2 mg/kg) and copper (15 mg/kg).

- Sediment samples had lead ranging from 1.2 to 11.4 mg/kg. Maximum concentrations of the three following metals were: Antimony (0.86 mg/kg), arsenic (3.7 mg/kg), and copper (11.0 mg/kg).

- Surface water samples had maximum concentrations of three metals: Lead (99 µg/L), arsenic (15.2 µg/L); and copper (23.9 µg/L).

- Based on grain size distribution analysis, sediment samples within Area 6 contained 96.7% sand and gravel.

3.7.2.7 Area 7: Cheesequake Creek Inlet

- Surface soil samples collected from the localized area within the beach area parallel to the inlet, along the eastern side of the Cheesequake Creek Inlet had lead ranging from 1.8 to 4.4 mg/kg. Arsenic and copper data were rejected as unusable during the data validation process.

- Surface water samples from Area 7 had maximum concentrations of two metals: Lead (6.7 µg/L) and arsenic (4.8 µg/L).

- Sediment samples had maximum concentrations of the three following metals: antimony (3,270 mg/kg), arsenic (2,100 mg/kg), and copper (2,050 mg/kg). Note that data for lead were rejected as unusable during the data validation process due to quality control issues.

- Based on grain size distribution analysis, sediment samples within Area 7 contained 96.7% sand and gravel.

3.7.2.8 Area 8: Cheesequake Creek Inlet Western Jetty

- Surface soil samples had lead ranging from 54,800 mg/kg to 198,000 mg/kg. Maximum concentrations of the four following metals were: Antimony (3,120 mg/kg), arsenic (2,470 mg/kg), and copper (4,630 mg/kg).

- Maximum concentrations of lead (731 mg/kg), arsenic (15.4 mg/kg), and copper (76.6 mg/kg) were detected in subsurface soil samples. TCLP lead concentrations exceeded the RCRA limit by a magnitude of 100 to 250 times.

- Sediment samples had lead ranging from 29.6 to 2,150 mg/kg. Maximum concentrations of the three following metals were: Antimony (53.7 mg/kg), arsenic (62.9 mg/kg), and copper (204 mg/kg).

- Maximum concentrations of lead (1,810 µg/L), antimony (53.2 µg/L), arsenic (70.9 µg/L), and copper (154 µg/L) were detected in surface water samples.

- One subsurface soil sample was collected from the area west of the western inlet jetty and had the four following metals: Lead (21,500 mg/kg), antimony (419 mg/kg), arsenic (228 mg/kg), and copper (489 mg/kg).

- Surface soil samples collected from the area west of the western inlet jetty had lead ranging from 231 to 14,200 mg/kg. Maximum concentrations of the three following metals were: Antimony (616 mg/kg), arsenic (198 mg/kg), and copper (340 mg/kg).

- Based on grain size distribution analysis, sediment samples within Area 8 contained 72% sand and gravel.

3.7.2.9 Area 9: Margaret's Creek

- Sediment samples had lead ranging from 23.8 mg/kg to 279 mg/kg. The maximum concentrations for the three following metals were: Antimony (2.1 mg/kg), arsenic (16.1 mg/kg), and copper (62.7 mg/kg).

- Maximum concentrations of lead (49.9 µg/L), antimony (2.5 µg/L), arsenic (21. 6 µg/L); and copper (15.2 µg/L) were detected in surface water samples collected from Area 9.

- Based on grain size distribution analysis, sediment samples within Area 9 contained 72% sand and gravel.

3.7.2.10 Background

Based on grain size distribution analysis, sediment samples within the background area contained 96.7% of sand and gravel. The background sampling area is located east of Area 9, on the shore of Raritan Bay (Figure 1-1) and has been designated as Site Area 10.

- Sediment samples collected from a background area detected maximum concentrations for the three following metals: Antimony (1.1 mg/kg), arsenic (10.6 mg/kg), and copper (4.9 mg/kg). Lead data were rejected as unusable during the data validation process due to quality control issues.

3.8 EPA Hazard Ranking System Documentation Record, Raritan Slag, April 2009

3.8.1 Description

EPA's Hazard Ranking System (HRS) is one of the mechanisms that EPA uses to evaluate sites for potential inclusion on the National Priorities List (NPL). The HRS evaluates three migration pathways (soil, groundwater, and air) and one exposure pathway (soil). For each pathway, three major factor categories are evaluated, the likelihood of a release of a hazardous substance, pollutant, or contaminant; waste characteristics (e.g., waste quantity, containment, toxicity); and targets (potential for exposure of human and ecological receptors). The HRS used data and observations obtained from the NJDEP 2007 site investigations and the EPA 2008 investigation. The NJDEP 2007 data is summarized in Sections 3.3 and 3.4 of this Technical Memorandum. The EPA 2008 investigation is summarized in Section 3.7 of this Technical Memorandum.

3.8.2 Findings

Only one migration pathway, surface water, was scored. The groundwater migration, soil exposure, and air migration pathways of the HRS were not scored.

Two waste source areas using the HRS term slag piles located within one watershed (i.e., Raritan Bay) were evaluated in the HRS. Both are slag piles located along the southern shoreline of Raritan Bay (Figures 1 and 2 of the HRS Document in Attachment 6). Figure 3 of the HRS document, provided in Attachment 6, illustrates the 15-mile surface water migration pathway. The waste sources evaluated in the HRS included:

- Source 1 – Slag Waste Pile - Lawrence Harbor Seawall Slag Waste Pile (Area 1)

- Source 2 – Slag Waste Pile - Western Jetty of Cheesequake Inlet (Area 8)

Source areas are shown on HRS Figure 3. The major findings of the HRS for the Raritan Bay Slag Site are summarized below.

Likelihood of Release - Based on analytical data from the EPA sampling investigation conducted in September 2008, the HRS documented that lead is being released from both waste sources and impacting the Raritan Bay watershed. Releases were documented by direct observation, through direct contact of Raritan Bay waters with the waste, and by analytical data for lead-contaminated sediment samples collected from Raritan Bay. Contaminant concentrations in sediment were evaluated against contaminant concentrations in background samples.

Waste Characteristics – The HRS documented the quantity and the toxicity, persistence, and bioaccumulation factors for the two waste sources that were evaluated; lead was the primary waste constituent.

The waste characteristics evaluation cited TCLP data for lead to support documentation of waste characteristics factors.

Targets – A number of potential targets or receptors, both human and ecological, were identified and evaluated in the HRS surface water pathway. These included the potential for impacts on the human food chain (e.g., via consumption of fish), impacts to resources (parks and other resources), and sensitive environments such as wetlands and endangered species. The following major targets were evaluated in the surface water pathway:

- Human Food Chain - Raritan Bay fisheries (potential for exposure via consumption of fish from Raritan Bay).

- Resources - Old Bridge Waterfront Park was evaluated as a resource.

- Sensitive Environments – NY-NJ Harbor estuary which is identified as a sensitive area under the National Estuary Program, and Raritan Bay, a state-designated area for protection of aquatic life.

Evaluation of the surface water migration pathway resulted in the maximum score for the pathway (100) and an overall site score of 50, which is above the minimum score required to consider the area for NPL inclusion. The Raritan Bay Slag Site was listed on the NPL on November 2, 2009.

3.9 EPA Summary Letter Report, Phase II Investigation, June 2009 (April 2009 Sampling Results)

3.9.1 Description

From April 20 through 23, 2009, Weston Solutions, Inc. conducted a Phase II Sampling Program that included collection of 384 environmental samples (including duplicate samples). Weston collected 134 surface and near-surface soil samples, 116 sediment

samples, and 34 surface water samples from the site. Surface soil and sediment samples were collected from 0 to 2 inches and 0 to 3 inches, respectively. Soil samples were collected at various depths including 0 to 2 inches, 6 to 12 inches, 12 to 18 inches, and 18 to 24 inches bgs. Sample locations, sample identification, and analytical results for the Phase II investigation are presented in Figures 1 through 6 of the Phase II Report, provided in Attachment 7. Surface water, sediment, and surface soil samples were collected from Area 5, Area 6, and Area 9. Sediment samples were also collected from a background area (Area 10). Near-surface soil samples were collected from Area 5 and Area 6. All samples were analyzed for TAL metals (excluding mercury). Surface water samples were also analyzed for dissolved metals. The results are included in Appendix I.

3.9.2 Findings

Samples were not collected from Area 1 through Area 4, Area 7, and Area 8 during the June 2009 Phase II sampling event, so these Areas are not discussed Results of the Phase II Investigation for Area 5, Area 6, Area 9, and the background location (Area 10) are summarized below.

3.9.2.1 Area 5: Laurence Harbor Beach (First Jetty to Third Jetty)

- Key metals detected in surface soil samples include: Lead (1.7 to 771 mg/kg), arsenic (1.5 to 43.8 mg/kg), antimony (non-detect to 53.9 mg/kg), and copper (1 mg/kg to 58.9 mg/kg).

- Key metals detected in the near-surface soil samples include: Lead (5.1 to 364 mg/kg), antimony (non-detect to 15.7 mg/kg), arsenic (4.7 to 13.9 mg/kg), and copper (2.5 to 18.7 mg/kg).

- Key metals detected in sediment samples include: Lead (14.4 to 1,090 mg/kg), antimony (non-detect to 47.1 mg/kg), arsenic (2.2to 38 mg/kg), and copper (2.8 to 49.3 mg/kg).

- Key metals detected in surface water samples include: Lead (67.9 to 767 µg/L), antimony (3.5 to 26.2 µg/L), arsenic (5.9 to 27.9 µg/L), and copper (8 to 49.4 µg/L). Dissolved metals detected in surface water samples included lead (3.8 µg/L), antimony (3.9 µg/L), and copper (1.2 to 6.3 µg/L).

3.9.2.2 Area 6: Laurence Harbor Beach (Third Jetty West to Eastern Inlet Jetty)

- Key metals detected in surface soil samples include: Lead (2.1 to 18.5 mg/kg), arsenic (2 to 4.7 mg/kg), and copper (0.86 to 37.2 mg/kg).

- Key metals detected in near-surface soil samples include: Lead (2.1 to 25.5 mg/kg), antimony (non-detect to 0.96 mg/kg), arsenic (1.4 to 12.1 mg/kg), and copper (1.1 to 7.1 mg/kg).

- Key metals detected in sediment samples include: Lead (1.1 to 34.6 mg/kg), antimony (non-detect to 7 mg/kg), arsenic (1.3 to 15.4 mg/kg), and copper (1.3 to 31.3 mg/kg).

- Key metals detected in surface water samples include: Total lead (10.2 to 209 µg/L), total arsenic (non-detect to 13.1 µg/L), and total copper (1.4 to 2.1 µg/L).

3.9.2.3 Area 9: Margaret's Creek

- Key metals detected in surface soil samples include: Lead (1.7 to 28.9 mg/kg), arsenic (0.69 to 11.4 mg/kg), and copper (0.46 to 35.8 mg/kg).

- Key metals detected in sediment samples include: Lead (3 to 21.6 mg/kg), arsenic (0.95 to 19.1 mg/kg), and copper (1.1 to 27.1 mg/kg).
- Key metals detected in surface water samples include: Total lead (5.8 to 37 µg/L), total arsenic (1.9 to 7 µg/L), and total copper (4.8 to 11.6 µg/L). Dissolved concentrations of arsenic (non-detect to 5.4 µg/L) and copper at (non-detect to 2 µg/L) were detected.

3.9.2.4 Background

Key metals detected in background sediment samples include: Lead (2.4 to 7.1 mg/kg), arsenic (maximum at 4.2 mg/kg), and copper (maximum at 5.2 mg/kg).

3.10 EPA Chemical Assessment Report, Raritan Bay Slag Site, June 2009 (September 2008 Sampling Results)

3.10.1 Description

From September 10 to 22, 2008, Lockheed Martin/REAC personnel conducted a chemical assessment investigation. During the investigation, samples of slag, beach sediment, pore water, ribbed mussels, long neck clams, hard shell clams, killifish, and sea lettuce were collected. The field investigation and the chemical assessment report covered two Site Areas: Area 1, the Lawrence Harbor Seawall and Area 8, the Cheesequake Creek Inlet Western Jetty as these are the two known slag source areas. Sample locations and identifications are presented in Figures 2 and 3 of the Chemical Assessment Report, provided in Attachment 8. Sampling locations within the slag did not have GPS coordinates; therefore, figures do not exist for those locations. The field investigation activities and sample analyses performed as part of the chemical assessment investigation are summarized below. Results are provided in Appendix H.

- Slag Sampling and Analysis - A total of 17 slag samples were collected from Area 1 and Area 8. Slag samples were analyzed for elemental metal composition for the primary metals of interest (arsenic, copper, lead, antimony, tin, and zinc) and for the dominant mineral or chemical species using X-Ray Diffraction (XRD). In addition, two leachability tests were performed. The TCLP test was performed to evaluate the leachability of metals from the slag under acidic conditions. The

second test evaluated the leachability of metals from the slag using a neutral salt solution.

- Biota Sampling and Analysis – The biota sampling activities are described below. Biota samples, including killifish, ribbed mussels, long neck clams, hard shell clams, and sea lettuce, were shipped to the subcontract laboratory, homogenized, and analyzed for TAL metals, tin, and percent solids.

  - Killifish - Five composite killifish samples were collected from areas along the Area 1 seawall using a seine net. Each of the five composite samples consisted of eight individual killifish.

  - Ribbed Mussels – Ribbed mussels (*Gukensia demissa*) were collected during mid-tide from six sample location areas along the Area 1 seawall. Each of the six samples consisted of approximately 8 to 12 ribbed mussels. Ribbed mussels were prevalent among the *Spartina* sp. (marsh grass) beds located approximately 40 to 60 feet from the seawall.

  - Long Neck Clams – Long neck clams (*Mya arenaria*) samples were collected during mid-tide from five locations along the Area 1 seawall or near the *Spartina* sp. beds. From 5 to 106 clams were collected from each of the five sampling areas.

  - Hard Shell Clams - A total of 10 hard shell clams (*Mercenaria mercenaria*) were collected during mid-tide, just offshore of the Area 1 seawall, using a clam rake in waters 3.5 to 4 feet deep. Hard shell clams were subdivided into three composite samples based on three size ranges (small, medium, and large).

  - Sea Lettuce – Five composite samples of sea lettuce (*Ulva* sp.) were collected from the substrate (large stone and rocks), just beyond the *Spartina* sp. beds, during mid-tide.

- Soil (beach sediment) Sampling and Analysis - Eleven co-located soil (i.e., beach sediment) samples were collected from ribbed mussel and long neck clam sample locations in Area 1. Soil samples were analyzed for TAL metals and tin by a subcontract laboratory.

- Pore Water Sampling and Analysis – Five pore water samples were collected from Area 1. Pore water samples were collected within each of the five long neck clam sampling areas and analyzed for TAL metals and tin as total metals, and for dissolved metals (filtered) by a subcontract laboratory.

Lockheed Martin/REAC attempted to collect polycheate worms using a clam rake. Sampling attempts were made during low-to mid-tide levels. However, the mass of polycheate worms collected was insufficient to meet data quality objectives and the sampling task was abandoned.

3.10.2. Findings – Chemical Assessment Report, June 2009

3.10.2.1 Area 1: Laurence Harbor Seawall

Results of the chemical assessment investigation are summarized below.

Slag Characterization Results - Sampling results for slag derived from Area 1 are summarized in this section. The relevant results include elemental analysis of the slag and the two leachability testing procedures: TCLP and the neutral salt leaching test.

- Lead Speciation - Five different lead species were identified as dominant species in the slag. For two of three samples, lead carbonate ($PbCO_3$) was identified as the dominant lead species in the interior of the slag. For the exterior of the slag, elemental lead (Pb^0) and lead zinc oxide ($PbZnO_3$) were the dominant lead species. These results are consistent with a conclusion that the slag is weathering, which would release contamination from the source material.

- Elemental Analysis - Analysis of the slag associated with Area 1 indicated the following concentrations of six metals (some in the percent range): Lead (675 to 79,900 mg/kg), arsenic (21 to 9,900 mg/kg), antimony (36 to 71,300 mg/kg), copper (3,370 to 445,000 mg/kg), tin (25 to 9,030 mg/kg), and zinc (49 to 13,500 mg/kg). The wide range of metals concentrations suggests that the slag is highly heterogeneous.

- TCLP Leachability - The TCLP protocol provides an assessment of metals potentially being released under exposure to acidic groundwater and/or rainwater conditions, and evaluates the acceptability of the slag for landfill disposal. All 17 slag samples exceeded the 5.0 mg/L RCRA regulatory limit for lead; leachable lead levels ranged from 17 mg/L to 3,140 mg/L. Lead leached from the interior of the samples versus the exterior of samples was variable. Comparison of lead concentrations in three interior/exterior sample pairs indicate that lead concentrations were greater in the interior sample for one sample pair, greater in the exterior sample of a second sample pair, and approximately equal in the third sample pair. The results of the TCLP procedures demonstrate that the slag material fails TCLP and is, therefore, a hazardous waste.

- Neutral Salt Leachability - Lead was determined to be leachable from the neutral salt solution exposures. Higher levels of lead were leached from the interior samples compared with the exterior of the slag. The exterior samples had leachable lead ranging from 8.3 to 10.1 mg/kg, compared to the interior samples with leachable lead ranging from 70.9 to 870 mg/kg. The results of the neutral salt extraction tests demonstrated that contaminants can be released from the slag under existing environmental conditions.

Analytical results for soil, pore water, killifish, ribbed mussel, long neck clam, hard shell clam, and sea lettuce samples are summarized below.

- Soil Samples - Analytical results for key metals detected in soil samples are as follows: Lead (12 to 660 mg/kg), antimony (0.22 to 6.1 mg/kg), arsenic (5.4 to 29 mg/kg), copper (4.4 to 31 mg/kg), and chromium (7.7 to 46 mg/kg).

- Pore Water Samples – Analytical results for total metals (unfiltered) and dissolved metals (filtered) are as follows: Total lead (8 to 2,400 µg/L), dissolved lead (2 to 170 µg/L), total antimony (2 to 270 µg/L), dissolved antimony (2 to 130 µg/L), total arsenic (19 to 230 µg/L), dissolved arsenic (11 to 86 µg/L), total copper (40 to 91 µg/L), dissolved copper (20 to 40 µg/L), total chromium (7.6 to 17 µg/L), and dissolved chromium (6 to 7.1 µg/L).

- Killifish Samples - Analytical results for key metals detected in killifish samples are as follows: Lead (0.49 to 0.92 mg/kg), antimony (0.16 to 0.29 mg/kg), arsenic (3.5 to 3.8 mg/kg), copper (4.8 to 6.1 mg/kg), and chromium (0.98 to 1.3 mg/kg).

- Ribbed Mussel Samples - Analytical results for key metals detected in ribbed mussel samples are as follows: Lead (3 to 8.6 mg/kg), antimony (0.19 to 0.25 mg/kg), arsenic (6.1 to 9.5 mg/kg), copper (10.4 to 16 mg/kg), and chromium (1.3 to 2.3 mg/kg).

- Long Neck Clam Samples - Analytical results for key metals detected in long neck clam samples are as follows: Lead (3.4 to 17 mg/kg), antimony (0.15 to 1.2 mg/kg), arsenic (1.4 to 7.6 mg/kg), copper (8.5 to 31 mg/kg), and chromium (0.67 to 3.1 mg/kg).

- Hard Shell Clam Samples - Analytical results for key metals detected in long neck clam samples are as follows: Lead (1.7 to 3.1 mg/kg), antimony (0.1 to 0.11 mg/kg), arsenic (5.1 to 9.8 mg/kg), copper (11 to 14.3 mg/kg), and chromium (1.2 to 1.8 mg/kg).

- Sea Lettuce Samples - Analytical results for key metals detected in sea lettuce samples are as follows: Lead (24 to 80 mg/kg), antimony (0.23 to 0.75 mg/kg), arsenic (4.7 to 15 mg/kg), copper (9.7 to 13 mg/kg), and chromium (2.6 to 5 mg/kg).

3.10.2.2 Area 8: Cheesequake Creek Inlet Western Jetty

Results of the slag characterization for Area 8 are summarized below.

- Elemental Analysis - Analysis of the slag associated with Area 8 indicated the following concentrations of six metals (some in the percent range): Lead (889 to 131,000 mg/kg), arsenic (8 to 15,200 mg/kg), antimony (31to 46,800 mg/kg), copper (101 to 11,600 mg/kg), tin (31 to 11,400 mg/kg), and zinc (385 to 9,790 mg/kg).

- Lead Speciation – The dominant lead species identified in slag samples determined by XRD include elemental lead (Pb^0), lead carbonate (cerussite [$PbCO_3$]), lead zirconium oxide, lead sulfate (anglesite [$PbSO_4$]), and lead oxide (litharge [PbO]). Arsenic, copper, and antimony species were also present in the slag. Lead carbonate is soluble under environmental conditions and could leach from the slag.

- TCLP Leachability -Analytical results from TCLP assay based on metals leached (as mg/L) from slag samples detected concentrations of the following metals: Lead (23 to 3,140 mg/L), arsenic (<0.02 to 0.18 mg/L), antimony (<0.02 to 10.1 mg/L), copper (<0.02 to 0.25 mg/L), and zinc (0.24 to 19 mg/L). Based on a 5.0 mg/L RCRA regulatory limit for lead and the leachable concentrations of lead (23 to 3,140 mg/L), the slag would be considered hazardous waste under RCRA.

- Neutral Salt Leachability - Analytical results of the neutral salt assay based on metals leached (as mg/kg dry weight) from slag samples indicate concentrations of four metals: Lead (0.2 to 870 mg/kg), arsenic (<0.1 to 1 mg/kg), antimony (<0.1 mg/kg to 1 mg/kg), and zinc (<0.1 to 126 mg/kg). These results indicate that lead can be leached from slag under environmental conditions.

3.11 EPA Trip Report: Raritan Bay Sediment Sampling, August 2009 (June to July 2009 Sampling Results)

3.11.1 Description

Offshore and onshore sediment core sampling was conducted by EPA REAC in June and July 2009 to evaluate the extent of contamination in offshore sediments in Raritan Bay adjacent to the Cheesequake Creek Inlet jetties, the seawall, and the coastal subtidal zone. A core sampler was used to collect sediment at depths from 0 to 6 inches, 0 to 12 inches, and 12 to 24 inches. Each core sample was homogenized prior to sediment collection. A total of 354 sediment samples were collected from Areas 1, 2, and 5 through 8. All of the sediment samples were sent to a CLP laboratory for metals analysis. An additional 34 samples collected from 0 to 6 inches were also analyzed for VOCs, (SVOCs, pesticides, and PCBs. The same 34 sample locations were also analyzed for total organic carbon (TOC) from 0 to 6 inches and 12 to 24 inches.

3.11.2 Findings

Lead was the only contaminant assessed and presented on figures in the EPA Core Sampling Trip Report dated August 2009. Lead concentrations were color coded by ranges to show exceedences relevant to other samples in the same media. Sample locations and results are provided in Figures 1 through 3 of the EPA report, included in Attachment 9. Results are included in Appendix J. The results are compared against the NJDEP Effects Range-Low level for lead (47 mg/kg) in sediments.

3.11.2.1 Area 1: Laurence Harbor Seawall

- Sediment samples collected from 0 to 6 and 0 to 12 inches had lead ranging from 47 to greater than 400 mg/kg. Lead exceeding 47 mg/kg mainly bordered Margaret's Creek (Area 9) and the first jetty, as well as along the seawall.

- Sediment samples collected from 12 to 24 inches had lead below 47 mg/kg, with one sample above 400 mg/kg along the seawall.

3.11.2.2 Area 2: Laurence Harbor Beach (Seawall West end to First Jetty)

- Sediment samples collected from 0 to 6 inches had lead concentrations ranging from 47 mg/kg to greater than 400 mg/kg. All but two samples, collected further into the bay, had lead concentrations greater than 100 mg/kg. Sediment samples that exceeded 400 mg/kg were concentrated along the shoreline.

- Sediment samples collected from 0 to 12 and 12 to 24 inches had lead ranging from less than 47 to greater than 400 mg/kg. Lead exceeding 47 mg/kg was mainly concentrated along the shoreline.

3.11.2.3 Area 5: Laurence Harbor Beach (First Jetty to Third Jetty)

- Sediment samples collected from 0 to 6 and 0 to 12 inches had lead ranging from less than 47 to 400 mg/kg. Sediment samples that exceeded 47 mg/kg were concentrated between the first and second jetties. Four samples had lead above 47 mg/kg between the second and third jetty.

- Sediment samples collected from 12 to 24 inches had lead below 47 mg/kg. One sample, located along the first jetty, had lead between 101 and 400 mg/kg.

3.11.2.4 Area 6: Laurence Harbor Beach (Third Jetty West to Eastern Inlet Jetty)

- Sediment samples collected from 0 to 6, 0 to 12, and 12 to 24 inches had lead below 47 mg/kg. One sample from each sampling depth, each at different locations, had lead between 47 and 100 mg/kg.

3.11.2.5 Area 7: Cheesequake Creek Inlet

- Sediment samples from Area 7 were collected further into the bay and not between the Cheesequake Inlet's jetties.

- Sediment samples collected from 0 to 6 inches had lead ranging from greater than 47 to less than 400 mg/kg. Sediment samples collected from 0 to 12 inches had lead ranging from greater than 47 to 400 mg/kg

- Sediment samples collected from 12 to 24 inches had lead below 47 mg/kg. Only one sample had lead above 400 mg/kg.

3.11.2.6 Area 8: Cheesequake Creek Inlet Western Jetty

- Sediment samples collected from 0 to 6, 0 to 12, and 0 to 24 inches had lead ranging from less than 47 to greater than 400 mg/kg. Sediment samples that had lead above 47mg/kg were mainly concentrated along the shoreline and Cheesequake Inlet's western jetty.

3.12 Additional Information

3.12.1 EPA Aerial Photography 1957 to 2008

Aerial photographs were obtained from EPA Region 2. The aerial photographs were taken in 1957, 1963, 1966, 1967, 1969, 1970, 1972, 1973, 1974, 1977, 1978, and 2008. The aerial photographs adequately cover the period of interest. The photographs were reviewed by CDM and the following observations were made.

3.12.1.1 Cheesequake Creek and West Jetty Inlet Aerials

- From 1957 to 1963 – Development is evident on the beach area west of the western jetty. Buildings removed from the beach area east of the eastern jetty. Both the eastern and western jetties are more pronounced.

- 1977 – A white mass is present along the shore of the western jetty inlet.
- 1978 – The white mass is no longer present along the shore of the western jetty inlet.

- 2008 – Buildings were removed from the western jetty inlet.

3.12.1.2 Laurence Harbor Seawall and Margaret's Creek (previously called Marquis Creek)

- From 1957 to 1963 – A housing development is present east of the creek. Buildings were removed from the beach area along the seawall.

- 1967 – Three buildings were constructed southeast of the creek, along the southern side of Route 35.

- 1972 – Circular objects are present within the creek, south of the creek's mouth. The circular objects are aligned along the eastern edge of the creek.

3.12.2 Regional Environmental Monitoring and Assessment Program, 2003

The 2003 REMAP report was reviewed. The stated purpose of the REMAP sampling is to assess contaminant trends in and the biological health of Raritan Bay. The REMAP data may be useful for establishing regional background concentrations for Raritan Bay. The REMAP data is discussed further in Section 4.2.5. A total of 28 sediment samples were collected and analyzed for TAL metals. Attachment 10 provides a figure showing the sampling locations. Results are included in Appendix K. Information relevant to use of the REMAP data to define background concentrations for metals in Raritan Bay is summarized below.

- The highest concentrations of lead were present at eight sampling locations: RB303, RB304, RB308, RB310, RB316, RB353, RB354, and RB363.

- Mercury was present at the sample locations that observed the highest lead detections. Sample location RB301, however, had the highest concentration at approximately 5.5 times the mean concentration.

- Analytical results from the REMAP detected TOC ranging from 2,100 mg/kg to 76,000 mg/kg.

- Analytical results from the REMAP detected 15 metals. Results for key metals were as follows: Antimony (0.18 to 2.3 mg/kg), arsenic (0.94 to 22.6 mg/kg), cadmium (0.19 to 2.7 mg/kg), chromium (5.1 to 141 mg/kg), copper (1.6 to 134 mg/kg), and lead (3.4 to 169 mg/kg).

3.12.3 OBMUA Phase IA Cultural Resources Survey, February 2005

The Phase IA cultural resource survey was conducted to assess the probability for significant historic or prehistoric archaeological resources within the Area of Potential Effects (APE) for the proposed Laurence Harbor Inceptor in Old Bridge Township. The Phase IA cultural resources survey was limited to the APE in Area 9 and included documentary research, a site visit, and soil borings. The Phase IA cultural resources survey will be used to supplement a Phase 1A cultural resources survey that will be performed for the entire Raritan Bay Slag Site as part of the RI/FS.

3.12.3.1 Documentary Research

The background research indicated that two registered prehistoric sites (28-Mi-19 and 28-Mi-20) lie within or in immediate proximity to the APE. Site 28-Mi-19 was located near Route 35 immediately south of the APE and described as “a camp site on the high point east of [Marquis] creek.” Site 28-Mi-20 was mapped in the proximity of where a dirt road extends to the Raritan Bay shoreline in the general vicinity of the APE and described as comprising of “two small camp sites close together near the bay” containing “oyster shells and flint chips.”

There are 12 registered archaeological sites within 1 mile of the APE. Based on Table 1 in the Phase IA report, 11 sites are shell middens and 1 site was an ephemeral camp. Prehistoric resources near the APE reflect a focus on estuarine resources.

Other archaeological surveys reviewed describe the following information:

- Laurence Harbor on the east site of Cheesequake Creek contained oyster shells, projectile points, ceramic, and bones.
- Site 28-Mo-299 was interpreted as a short-term occupation hunting station or procurement camp.
- Long Neck Creek I site (28-Mo-155) contained artifacts of chert flakes, clam, and oyster shell.
- Historic maps indicate that a possible proposed late-nineteenth-century alignment of the New York and Long Branch Railroad might be located near the Raritan Bay shoreline.

3.12.3.2 Site Visit

A site visit revealed that the site traversed well-drained landforms and wetlands near Raritan Bay. Based on the proximity of the two registered prehistoric sites, there is a high likelihood for prehistoric archaeological resources within the site. The historic archaeological sensitivity was considered moderate to high because of the potential for a rail-line associated with the New York and Long Branch Railroad

3.12.3.3 Soil Borings

Soil borings were conducted by the Environmental Response Contractor and Craig Test Boring to characterize soil and sediment lithology within the APE. Shell fragments were observed in three soil borings (SB3, SB4, and SB14).

3.12.4 OBMUA Phase IB Cultural Resources Survey, April 2005

Based on the findings of the Phase IA cultural resources survey, a phase IB survey was performed. The Phase IB cultural resources survey was conducted to identify potential significant archaeological resources within the APE for the proposed Laurence Harbor Inceptor in Old Bridge Township. The Phase 1B cultural resources survey was limited to the APE in Area 9 and included documentary research and archaeological testing. The Phase IB cultural resources survey will be used to supplement the Phase 1A cultural resources survey that will be performed for the entire Raritan Bay Slag Site as part of the RI/FS.

3.12.4.1 Documentary Research

The documentary research determined that the APE was occupied by Seidler's Beach Hotel from 1905 to 1952. Based on documentary research, no rail-line or transportation-related feature was present within the APE.

3.12.4.2 Archaeological Testing at Systematic Intervals

On March 22 and 24, 2005, archaeological testing was conducted at systematic intervals. A total of 46 shovel test pits were placed at 50-foot intervals and 25-foot intervals within the APE. The pits measured 1.5 feet in diameter and were excavated by round-nosed shovels. Augers were used to attain deep soil samples. No potentially significant archaeological resources were identified.

3.12.5 OBMUA Geotechnical and Hydrogeological Information, April 2007

Results and conclusions from the Geotechnical and Hydrogeological Investigation conducted in the summer 2003 and 2004 were obtained from the Geotechnical and Hydrogeological Information document and the Permit-by-Rule Application Discharge to Groundwater Work Plan (September 2007). The results and conclusions from the investigation conducted in Area 9 are summarized below.

3.12.5.1 Geotechnical Investigation

In July and August 2003 and July 2004, a Geotechnical Investigation was conducted by R3M Engineering which included soil borings and cone penetration tests (CPTs). A total of 16 test borings and 16 cone penetrations tests were conducted to characterize soil lithology. The soil borings were advanced to depths ranging from 25 to 82 feet bgs, and the CPTs were advanced from 43 to 76 feet bgs. CPT dissipation tests were also performed at selected depth intervals in the upper silt stratum at two locations, CPT-14 and CPT-16.

- The horizontal hydraulic conductivities determined in the pore pressure dissipation tests are 1.1×10^{-7} feet per minute (ft/min) at CPT-14 and 3.5×10^{-7} ft/min at CPT-16.

- The pore pressure dissipation results may confirm that the deep portion of the silt stratum is formed by low permeable soils which may be acting as a confining layer between the upper silt stratum and lower permeable sands.

3.12.5.2 Hydrogeological Investigation

In September 2004 a hydrogeological investigation was conducted by R3M Engineering which included slug test analyses and pump test analyses at three monitoring wells, MW-1 through MW-3 in Area 9.

- The hydraulic conductivity estimates for the slug tests are 3.67×10^{-4} ft/min at MW-1, 7.76×10^{-5} ft/min at MW-2, and 1.59×10^{-4} ft/min at MW-3.

- The slug test results indicate that the hydraulic conductivity of the upper silt unit at the project site varied as much as one order of magnitude.

- Groundwater levels in monitoring wells screened across the surficial granular soil and the top of the upper silt unit range from 1.6 to 3 feet above mean sea level (msl) near Raritan Bay.

- In an upland area in the western portion of the site, measured groundwater levels appear to vary seasonally in response to precipitation patterns and ranged from 5.7 feet above msl in September to 10.4 feet above msl in May.

- The water level monitoring results indicate that there is no significant tidal influence on shallow groundwater levels at the well locations in the upper silt stratum.

3.12.6 ATSDR Health Consultation, Raritan Bay Slag Site, February 2009

In November 2008, EPA requested that the Agency for Toxic Substances and Disease Registry (ATSDR) and the New Jersey Department of Health and Senior Services (NJDHSS) evaluate sampling data collected at six areas at the site by NJDEP in November 2007 and for EPA by Weston in September 2008. Surface and subsurface soil, surface water, and sediment samples from Areas 1, 2, 3, 5, 6, and 8 were evaluated.

ATSDR selected the following contaminants for further evaluation:

Areas 1 and 2 - antimony, arsenic, and lead in soil, surface water, and sediment

- Area 3 - antimony and arsenic in soil

- Area 5 - lead in soil

- Area 6 - antimony, arsenic, and lead in surface water

- Area 8 - antimony, arsenic, copper, and lead in soil, surface water, and sediment

Based on observed uses of these areas and evaluation of environmental contamination, NJDHSS and ATSDR determined that children and adults could be exposed to lead at three of the areas at levels that could be harmful to health. The NJDHSS and ATSDR consider Areas 1, 2, and 8 to be Public Health Hazards and Area 5 to be an Indeterminate Public Health Hazard based on the available data.

High lead levels in surface and subsurface soil and in surface water could result in lead exposures of health concern from recreational activities such as sitting on slag and eating and drinking, playing on sand and/or swimming. The NJDHSS recommended that EPA restrict access to the slag area at the base of the park on the waterfront (Area 1), the beach area between the seawall and the first jetty (Area 2), and the Cheesequake Creek Inlet Western Slag Jetty (Area 8).

3.12.6.1 Area 1: Laurence Harbor Seawall

Results from Area 1 indicated that antimony, arsenic, and lead were elevated in some samples in surface soil, surface water, and sediment. The average lead concentration in surface soil was 1,474 mg/kg; this average was driven by one very elevated sample of 10,200 mg/kg which was collected from soil located in a runoff migration pathway between the slag and Margaret's Creek area. Approximately one-half of the surface soil samples contained arsenic, antimony, and lead at levels that exceeded the comparison values (CVs). CVs are human health benchmarks or guidance values that ATSDR uses to screen environmental data. Typically CVs represent estimated contaminant concentrations that are not expected to result in adverse carcinogenic or non-carcinogenic effects. With regard to soils below the surface, samples taken at various depth intervals indicated lead levels exceeded the CV. Half of the subsurface soil samples had lead levels exceeding the EPA Screening Guidance value. The majority of the surface water samples were elevated above the CVs for all metals.

Based on an adult blood lead model estimate, adverse health effects to adults associated with lead exposures to soil from Area 1 are not expected.

3.12.6.2 Area 2: Laurence Harbor Beach (Seawall West end to First Jetty)

Surface soil sampling results indicated a hot spot on the beach where lead levels were elevated, with an average concentration was 526 mg/kg and a maximum hotspot concentration of 1,630 mg/kg. Seven of 12 samples were elevated above the EPA Screening Guidance value for lead. Arsenic and antimony were also elevated in the surface soil samples. These elevated levels appear to be scattered throughout the sampled beach area.

In addition to surface soil sampling in the hotspot in Area 2, EPA collected subsurface samples. The results from limited subsurface lead levels, collected at a depth of 6 to 12 inches and 12 to 18 inches, were very high (649 to 23,800 mg/kg). Arsenic and antimony were also elevated in the subsurface soil samples. Surface water results show that antimony, arsenic, and lead were elevated above CVs for all samples tested.

Based on an adult blood lead model estimate, adverse health effects to adults associated with lead exposures from soil and surface water from Area 2 are not expected.

The blood lead level based on lead contaminated soil and surface water ingestion was evaluated for children aged 12 to 84 months who actively play with the sand and swim at the site. Based on the predicted mean blood level for a child who accessed the site for three months of the year each successive year over a seven year period (1 – 7 years), Area 2 poses a lead hazard to children.

3.12.6.3 Area 3: Laurence Harbor Playground

Only surface soil samples were collected in this area. The majority of the park and playground area soil samples were not elevated; the average soil levels were below the

CVs. Two samples were elevated for arsenic (34 mg/kg and 114 mg/kg); these samples were in the park area. Approximately one fourth of the samples were above the CV for antimony. NJDEP collected three samples from this area and none of the samples were above the CVs.

The theoretical cancer risk from long-term exposure to arsenic is not considered to be significant in Area 3. The non-cancer effects from antimony and arsenic in soil from incidental ingestion in Area 3 is very unlikely.

3.12.6.4 Area 5: Laurence Harbor Beach (First Jetty to Third Jetty)

The area between the first and second jetty in Laurence Harbor has results only for surface soil samples; this area had two samples that were elevated above the lead CV. The results for antimony and arsenic in surface soil were all rejected on the basis of laboratory QA/QC. The NJDEP sampling results are similar to the results obtained from EPA sampling with regard to the average concentration for lead.

Based on the adult blood lead model ATSDR concluded that adverse health effects to adults associated with lead exposures from Area 5 are not expected.

The blood lead level, as contributed by lead contaminated soil and surface water ingestion, was evaluated for children aged 12 to 84 months who actively play with the sand and swim at the site. The report concluded that there is no lead health risk for these age groups from ingesting soil in Area 5.

3.12.6.5 Area 6: Laurence Harbor Beach (Third Jetty West to Eastern Inlet Jetty)

The beach area between the third jetty and the Cheesequake Creek eastern inlet had the lowest contaminant levels for metals in soil and sediment; there were no exceedances above the CVs. The metals in surface water were elevated above the CVs in all samples.

The non-cancer effects from antimony and arsenic in surface water from incidental ingestion during swimming in Area 6 is very unlikely.

Based on the adult blood lead model, ATSDR concluded that adverse health effects to adults associated with lead exposures from Area 6 are not expected.

The blood lead level, as contributed by lead contaminated soil and surface water ingestion, was evaluated for children aged 12 to 84 months who actively play with the sand and swim at the site. ATSDR concluded that there is no lead associated health risk for these age groups from ingesting surface water in Area 6.

3.12.6.6 Area 8: Cheesequake Creek Inlet Western Jetty

The surface soil results from this area show an extremely high concentration of lead (maximum concentration was 198,000 mg/kg). Seven of eight surface soil samples were elevated above the CVs for antimony, arsenic, and lead. The subsurface samples

were elevated with the maximum lead level at 21,500 mg/kg. Surface water samples were elevated for antimony, arsenic, and lead in a majority of the samples.

For children who access the jetty on a regular basis (assuming 5 days a week, 3 months a year), there is a potential for non-cancer health effects from incidental ingestion from soil contaminated with antimony, although this is expected to be unlikely based on the lowest observed effects level (LOAEL) comparison. The likelihood of any potential health effects from incidental ingestion from soil contaminated with arsenic is low. The non-cancer health effects for the incidental ingestion from soil contaminated with copper are very unlikely.

The theoretical cancer risk from long-term exposure to arsenic is not considered to be significant in Area 8. The non-cancer effects from antimony, arsenic, and copper in surface water from incidental ingestion during swimming in Area 8 are very unlikely. The combined ingestion dose from ingestion of soil and ingestion of water while swimming has the potential to cause non-cancer health effects in children for both antimony and arsenic. As illustrated in the ingestion from soil section above, the likelihood is considered to be low.

Since the average soil lead concentration (52,499 mg/kg) is so high, blood lead levels are approximated to be greater than 30 micrograms per deciliter (µg/dL) (P_{10}). Based on comparison to the EPA Screening Guidance value of 400 mg/kg and observed activities such as walking, fishing, clamming, crabbing, sitting on slag, eating/drinking noted in this area, ATSDR concluded that lead-related health effects could result from exposure to adults and children who recreate in Area 8.

3.12.6.7 ATSDR Recommendations

Based on the analysis of the available data, ATSDR made the following recommendations:

- EPA should restrict access to the following areas: the slag area at the base of the park on the waterfront (Area 1), the beach area between the seawall and the first jetty (Area 2), and the Cheesequake Creek Inlet Western Slag Jetty (Area 8).
- EPA should consider re-sampling areas for which laboratory results were rejected.
- The NJDHSS and ATSDR consider Areas 1, 2 and 8 to be Public Health Hazards and Area 5 to be an Indeterminate Public Health Hazard based on the available data.

These recommendations were considered in the evaluation of data gaps and development of recommendations in Section 4.

3.12.7 EPA Side-Scan Sonar and Diver Investigation Survey Letter Report, June 2009

On April 27, 2009, REAC personnel conducted a Side Scan Sonar survey of the inlet to Cheesequake Creek from the Route 35 Bridge extending into Raritan Bay. Using a Marine Sonic Side Scan Sonar equipped with a 600 Kilohertz (kHz) sonar towfish, sonar images were collected of the bottom of the channel. The EPA vessel Kenneth

Biglane was employed to navigate several transects into and out of the inlet. Water depths in the inlet ranged from 5 to 20 feet depending on location and tidal stage.

On April 28, 2009, the survey was continued in the area adjacent to the inlet, approximately 0.25 mile to the northwest and approximately one mile to the southeast, extending approximately 0.25 mile into Raritan Bay. Transects were set up parallel to the shoreline approximately 30 meters apart. Figures 1 through 3 of the EPA Side-Scan Sonar Document, provided in Attachment 11, shows sampling and transect locations, as well as side-scan sonar results.

On April 29 and 30, 2009, EPA-certified divers conducted diving operations in and around the inlet to verify conclusions based on the side scan sonar data and to collect sediment samples from the inlet. Divers conducted seven dives totaling three hours of bottom time.

3.12.7.1 Results of the Side Scan Survey and Diver Investigations

- The side scan survey showed no indication of any items larger than single rocks, fish traps, or discarded tires. No significant rock piles were noted during the survey.

- The main channel of the Cheesequake Creek Inlet is a uniform material (rounded gravel approximately 1 to 2 inches in size) with long axial grooves. The grooves were "v" shaped and approximately one foot in width. Minimal sediment was found in these areas. The main channel composition was homogenous up to the Western Jetty.

- The area southeast of the gravel channel contains sandy material and sand waves created by the changing currents in the inlet. The survey transects that began at S-6 and finished at S-7 showed a transition from a gravel bottom to a much more sandy bottom, indicating that the southwestern area is most likely sand covered. The beach located to the southeast has been depositing sand onto and over the Eastern Jetty.

- A large boulder is located at the toe of the rock jetty, location T-2.

- Boulders at the toe of the slope were large, angular quarry stone covered in algae and many orange sponges. Slag was not observed along the toe of the Western Jetty on the inlet side.

- Horseshoe crabs were observed inside and outside the inlet.

3.12.7.2 Results of the Sediment Sample Analysis

A total of 11 grab samples were collected from the Cheesequake Creek Inlet. Four of the 11 samples (S-9, S-13, S-14, and S-16) contained sediment that was analyzed for TAL metals plus tin. The results are summarized below.

- Analytical results for sediment samples indicate concentrations of seven metals including: Lead (13.9 to 6,950 mg/kg), antimony (5.6 mg/kg to 189 mg/kg), arsenic (3.8 to 118 mg/kg), copper (3.3 to 415 mg/kg), manganese (50.2 to 101 mg/kg), tin (5.6 to 320 mg/kg), and zinc (16.2 to 228 mg/kg).

- The sample collected at the toe of the Western Jetty (S-9) had significantly higher concentrations of antimony, arsenic, copper, iron, lead, and zinc.

3.12.7.3 Recommendations of the Sonar Report

- The side-scan sonar and diver investigation (summarized in Section 3.11 of this Technical Memorandum) was conducted prior to the EPA August 2009 sampling event.

- The side-scan sonar report concluded that two areas have not been fully investigated: the area to the west of the Western Jetty, and the inlet side of the Eastern Jetty. The survey indicates that the inlet side of the Eastern Jetty should contain much more sedimentary material than the Western Jetty. This material was not adequately sampled during the investigation. The area to the outside of the Western Jetty was not sampled during this investigation.

- The side-scan sonar data from the bay portion of the survey indicates that there is an area showing similar surface features to the inlet side of the eastern jetty just as the inlet empties into Raritan Bay. This area may be a depositional area from the Cheesequake Creek which was not sampled.

These recommendations were taken into considering during the data gap evaluation.

3.12.8 EPA Geophysical Survey, July 2009

On April 4, May 11, May 28, and June 8, 2009, Lockheed Martin personnel conducted a geophysical survey of Area 2, Area 3, and the western end of Area 4. Ground penetrating radar (GPR), frequency domain electromagnetic (FDEM) terrain conductivity, and electrical imaging (EI) were used to determine the presence and extent of slag fill material and the thickness of the fill at the Old Bridge Waterfront Park and the beach adjacent to the park. Figures 1 through 6 of the EPA Geophysical Survey, provided in Attachment 12, shows the study areas and corresponding results.

3.12.8.1 Area 2: Results and Observations

- A linear feature of low terrain conductivity, most likely associated with a subsurface utility, crosses the southern end of the beach and lines up with the western manhole.

- Large void spaces between boulders and slag presumed to be used as fill are present.

- Area 2 appears to have a ten-foot layer of slag rich-fill. However, saltwater intrusion may also be contributing to the high terrain conductivity detected by the survey.

3.12.8.2 Area 3: Results and Observations

- A linear feature to each side of a large metal pole southwest of the playground suggests that a subsurface utility may pass through the area. This feature was subsequently identified in a utility mark out performed in April 2010 by the Old Bridge Municipal Utilities Authority as the force main that traverses the area.

- The survey showed typical response of fill material with strong shallow reflector and incoherent reflections below.

3.12.8.3 Area 4: Results and Observations

- Based on variation in conductivity, the survey implies that different types of fill material were used.

- A storm water discharge pipe is present near the surface within Area 4.

3.12.8.4 Conclusions

- Area 2, Area 3, and western end of Area 4 are characterized by high terrain conductivity that is expected to be predominantly slag material.

- Seawater intrusion, particularly for Area 2 and the stormwater outfall in Area 4, may be contributing to high conductivity readings. However, this seawater intrusion is not expected to affect Area 3 and most of Area 4 based on the low conductivity measured in these areas. The observed variation in conductivity suggests that different types of fill material were used, but that fill material with high conductivity dominates.

- The EI profiles for all three areas presented high electrical resistivity near the surface which is indicative of the majority of the site having a layer of fill material composed of large pieces of rock or slag with large voids.

- Boulder-sized fill material (including potential slag) ranges from 10 to 20 feet thick with a soil covering of less than two feet.

3.12.8.5 Findings

The geophysical report recommended that exploratory excavations be performed to verify the geophysical interpretation in areas with both high and low terrain conductivity to verify the content of the fill material (e.g., slag).

The report also recommended that an EI profile(s) be performed in these areas prior to the excavation. This will allow a depth profile correlation between the profile and actual excavation. Test excavations will be performed as part of a test excavation field

investigation in April 2010. EI profiles are not considered to be needed as part of the test excavation field investigation.

3.12.9 EPA Ecological Risk Assessment (2010)

3.12.9.1 Summary

This report presents an assessment of the impact of metals being released and transported from the slag boulders and debris to the biological communities inhabiting and/or utilizing the intertidal zone adjacent to the seawall. EPA 1997 guidance was followed.

3.12.9.2 Findings

- The intertidal zone adjacent to the seawall provides a typical coastal marsh grass (*Spartina*) ecosystem. Shore birds, including Brant's and Canada geese are commonly observed within this intertidal zone.
- The intertidal plant community was dominated by *Spartina* (cordgrass) and *Ulva* (sea lettuce) growing along the entire reach adjacent to the seawall.
- Risk to the intertidal invertebrate community: The following metals had concentration exceeding their respective chronic or acute toxicity benchmarks:
  - Sediment: Arsenic (chronic) and lead (chronic)
  - Pore water: Arsenic (acute and chronic), manganese (chronic), and lead (chronic)
  - Surface water: Arsenic (chronic), copper (acute and chronic), and lead (acute and chronic)
- Impairment of the intertidal zone was indicated based on the low diversity of observed invertebrate fauna and the absence of certain fauna and life-stages.
- Risk to fecundity and early-life stage development of the horseshoe crab (when exposed to arsenic, copper, and lead in sediment, pore water, and surface water): Adult horseshoe crabs are known to come ashore in the bays of Monmouth and Middlesex Counties including Raritan Bay to construct shallow nests within the intertidal zone and lay and fertilize their eggs. Development of the embryos and the larval stages of the horseshoe crab are at risk from metal contamination in sediments, pore water and surface water within this intertidal zone.
- Elevated concentrations of arsenic, chromium, lead, manganese, and nickel were accumulated in *Ulva*. It is anticipated that site-related metals would also be accumulated in *Spartina*.
- Risk to the invertivorous shore birds: Based on dietary exposure models using the semipalmated plover as the receptor and the most conservative exposure parameters (95% upper confidence limit and maximum food intake), arsenic and lead in the sediments were risk drivers.

When using the more representative exposure parameters (mean concentrations and food intake), risk was driven by lead only.

- Risk to the herbivorous shore birds: Based on dietary exposure models using the Canada goose as the receptor and the most conservative exposure parameters, arsenic, chromium, and lead in sediments were the risk drivers. Lead in sediment was also the risk driver when the more representative exposure parameters were used in the model.

- The presence of elemental lead particles (especially at the jetty area) and particles of waste material may pose a risk to all avian receptors. This risk would be the result of ingestion of particles for use within the bird's crop, the same mechanism of exposure which occurs from the ingestion of lead pellets by waterfowl.

Section 4
Data Gap Evaluation

This section identifies gaps in the existing data and provides recommendations for data collection activities to fill the data gaps. A preliminary conceptual site model (CSM) was developed based on the existing information that was reviewed to prepare this technical memorandum. The CSM provides a framework for evaluation of the existing data and development of recommendations. The CSM will be updated and refined as more information becomes available.

As discussed in Section 2, a series of figures (Figures 4-2 through 4-39) were prepared showing sample locations and the distribution of lead and arsenic in environmental media. Sample results are color-coded in the figures to allow identification of results that exceed the screening criteria. Exceedances were further color-coded based on the magnitude of the exceedance relative to other samples in the same medium at the site. Review of the existing data indicated that some data were rejected. Data qualified as "rejected" (R) were neither displayed in the figures nor evaluated in this technical memorandum. All of the remaining data, including data qualified as "estimated" (J), are considered to be valid and are displayed in the figures.

These figures and the data screening reports presented in Appendix A were the primary information sources used to evaluate data gaps. For clarity, the data gap evaluation and associated recommendations are presented by Site Area and, within each Site Area, by environmental media and depth, where applicable. Recommendations that are not related to a specific-site area are discussed as site-wide considerations.

The data were evaluated in sufficient detail to identify data gaps and provide recommendations. Upon finalization of this technical memorandum, details of the technical approach such as specific sample numbers, depths, and locations; chemical analytical parameters and physical measurements; scheduling and sequencing of field activities; data processing and analysis; and reporting will be developed fully in the site-specific work plan and Unified Federal Policy–Quality Assurance Project Plan (UFP-QAPP).

4.1 Preliminary Conceptual Site Model

The major objectives of the technical memorandum are to review and evaluate the existing data and identify data gaps. Broadly speaking, there are four major areas where a comprehensive data set will support the RI and development of feasible remedial alternatives in the FS.

- Identification of source areas
- Chemical fate and transport mechanisms
- Contaminant nature and extent
- Ecological and human health risk assessments

A preliminary CSM was developed to provide a foundation for the evaluations that encompass these four categories. The existing data for each Site Area were reviewed within the framework of the preliminary CSM. Where the existing data are not sufficient to support the RI/FS, recommendations are presented for further investigations. Figure 4-1 provides an overview of the preliminary CSM.

4.1.1 Contaminant Sources

The Raritan slag is a metallic waste from a secondary lead smelter blast furnace (known as kettle bottoms) that was used to augment a seawall and a jetty. Lead was determined to be leaching from the slag under the acidic TCLP conditions and under a neutral salt extraction procedure, considered to represent milder, environmental conditions (Lockheed Martin/REAC 2009). Lead speciation analysis of the slag using XRD showed a greater concentration of lead carbonate in the interior, non-weathered portions of the slag material as opposed to the weathered, outer portions. Lead species on the exterior of the slag included elemental lead (Pb^0), lead carbonate ($PbCO_3$), lead oxide (PbO), lead sulfate ($PbSO_4$), and lead-zirconium oxide ($PbZrO_3$). The oxide, carbonate, and sulfate species are known to have solubilities such that detectable concentrations of lead would be expected in leachate.

Sources of organic contaminants such as VOCs, SVOCs, pesticides, and PCBs have not been identified to date, and thus a preliminary CSM for these classes of contaminants is not presented in this memorandum. Further sampling for organic contaminants, as described in subsequent sections, will determine the presence or absence of organic contaminant source areas. Potential sources of organic contaminants include the potential fill in Areas 1 and 4, which is the subject of test excavation sampling planned for April 2010, and the Margaret's Creek area (Area 9). The CSM will be updated as additional information on sources of organic compounds is collected.

4.1.2 Migration Pathways and Transport Processes

The slag leaching tests and metals speciation results indicate that dissolution from the slag into water is a major pathway for lead into the environment. Direct erosion and release of slag particles is also a pathway. Species of other soluble metal complexes would also be expected to leach from the slag. Dissolved metal species and slag particles will erode into Raritan Bay via the twice-daily flushing of the seawall by the tides and by stormwater runoff. Additionally, groundwater may be in contact with the base of the seawall and dissolve metals. Stormwater runoff may percolate into groundwater and carry dissolved metals. Since density differences cause freshwater to flow on top of saline water in the subsurface, groundwater contaminated by the slag will likely seep to the surface at or above the intertidal zone.

Once in the water column, the dissolved metals will sorb to suspended sediments. A variety of sorption pathways are possible including:

- Sorption to metal oxides (particularly iron and manganese oxides) on the suspended sediments
- Partitioning to organic matter in the sediment

- Ionic exchange with other cations at negatively charged sites on the sediment (such as clay particles)
- Incorporation into the crystalline structure of minerals

A metal's tendency to sorb via these pathways will control its distribution in the sediments. Metals that sorb readily to sediments will likely be found closer to the slag source, whereas those that do not sorb readily will be found in sediments farther from the slag.

Properties of the organic compounds including their water solubility, volatility, and biodegradability are some of the factors affecting the fate and transport of organic contaminants in the environment. Organic compounds detected in sediment and soil samples at the site primarily consist of polycyclic aromatic hydrocarbons (PAHs), pesticides, and PCBs (See Section 4.2.6). These classes of organic compounds tend to have high molecular weight, low aqueous solubility, low volatility, and low biodegradability. As a result, they tend to sorb to the organic carbon fraction of sediment and soil and persist in the environment. Transport of organic compounds sorbed to sediments and soils is a key process affecting their distribution in the environment.

The transport of contaminated suspended sediments will have an impact on transport and deposition of contaminants in Raritan Bay. Contaminants will accumulate in areas where suspended sediments are deposited on the seafloor or beach, generally low-energy environments where current, wind, and wave actions are minimal. At the site, long-shore current and tidal patterns influence sediment transport. With wave and wind action originating from the Atlantic Ocean to the east, and given the northwest trending angle of the shoreline, the long-shore current predominantly flows toward the west. Accretion of sediments on the eastern side of jetties supports the concept that the net near-shore current flow is westward. Therefore, low-energy environments (sediment deposition areas) tend to occur where jetties interrupt the westward-flowing, long-shore current.

Reviews of aerial photographs and sediment/soil data provide evidence for the following low-energy, net depositional zones at the site, as described below.

- The tidal wetlands in Area 9 are likely low-energy, depositional zones.
- Sediments originating in the Area 9 wetlands will be relatively organic-rich due to the decomposition of wetland plants and other organic matter. As these sediments are discharged to the Bay from Margaret's Creek, the long-shore current will carry them westward. It appears that there is a depositional zone for these more organic-rich sediments in front of the eastern half of the seawall.
- In Area 2 and the adjacent Area 5, the shoreline angles more northward and three jetties interrupt the long-shore current, resulting in three depositional zones on the eastern side of each jetty. Although each jetty impedes the

long-shore current, sediments also leak through each jetty and build up on the low-energy western sides.

- Movement in Area 7 is dominated by tidal currents into and out of Cheesequake Creek. As the tide flows out past the slag jetty it carries organic-rich sediments from the Cheesequake wetlands. This Cheesequake Creek discharge into Raritan Bay slows in velocity as the Creek and Bay waters mix. Suspended sediments then drop out of suspension in this lower-energy mixing zone.
- Likewise, as the tide flows in from the Bay into Cheesequake Creek suspended sediments from the Bay are deposited at low-energy locations in the wetland.
- Area 8 is the low-energy side of the slag jetty. The jetties block the long-shore current in this area. Tidal action, wind, and waves will suspend and transport sediment, but to a lesser extent than in other areas subject to the long-shore current.
- Portions of Area 11 are depositional areas. The shoreline appears to be an erosional area protected by boulders or a seawall. However, farther west along the coast, there is a depositional area where the shoreline angles to the north. A beach and mud flats are visible in this area; both are evidence that it is a depositional area within range of the slag jetty.
- Beaches accumulate contaminated sediments transported by the long-shore current, tides, and storms. Accumulation of sediment on beaches occurs where jetties interrupt the long-shore current. This appears to be a significant process at the Area 2 beach, the Area 5 beach, and north of (behind) the Cheesequake inlet western jetty.

Investigation into the following major areas is necessary to develop a more complete CSM and to support the RI, FS, and risk assessments:

- Nature and extent of sediments contamination in Raritan Bay immediately adjacent to the site
- Nature and extent of sediments contamination in Margaret's Creek and the Margaret's Creek wetland
- Information on sediment dynamics, including current profiles, grain size analysis, TOC content, and historical deposition rates
- Risk assessment parameters such as surface water contaminant concentrations; soil and sediment pH, grain size distribution, and TOC; basic water quality parameters, and bioavailability testing (refer to Attachment 13 for more information regarding bioavailability)
- Groundwater flow direction, interaction with surface water, and baseline groundwater quality data
- Identification of sources beyond the seawall and jetty, including metals-containing fill material

Transport of sediments is an ongoing process at the site and it is expected that processes that affect contaminant transport will continue to disperse contaminants in the future. Major events such as strong storms and flooding, can alter the distribution of contaminated sediments, beaches, wetlands, and streams. For example, discussions with Township of Old Bridge officials indicated that strong storms in March 2010 resulted in significant beach erosion. The Township reported a 15-foot wide vertical cut in the beach along the eastern end of Area 6. Site visits by CDM following the storms indicated that a significant amount of sand had accumulated on the eastern side of the Cheesequake Creek eastern jetty. Since the dominant wind and wave direction during the storms was from the northeast, strong wave action would be expected to erode beach sands, transport them off shore, and then transport the sediments generally in a western direction, following the longshore current. This is consistent with the erosion and deposition pattern that was observed after the storm. In addition, heavy rains associated with the storms could transport sediments from the Margaret's Creek wetland area into Raritan Bay and also potentially erode upland soils.

The conceptual model and the evaluation of data gaps below are based on data that is currently available. Although much of the data used in the evaluation is recent, it is important to recognize that the data gap evaluation is limited because of the dynamic nature of the environment of the site.

4.1.3 Potential Receptors

There are a range of potential receptors, both human and ecological, that could be affected by contaminants transported to various environmental media at the site. A brief summary of potential receptors is provided below.

Human Receptors

Significant potential exposure pathways for human receptors are as follows:

- Direct exposure to contaminated soil, sediment, and surface water during recreational activities
- Exposure through consumption of contaminated fish and shellfish
- Exposure to contaminated soil transported via windblown dust

Ecological Receptors

Significant potential exposure pathways for ecological receptors are as follows:

- Direct exposure of organisms to contaminated water, sediment, and soil
- Ingestion of contaminated soil, sediment, and water
- Ingestions of contaminated prey/plants
- Direct uptake of contaminants in soil, sediment, and water by plants

Detailed, site-specific conceptual and exposure models will be developed as part of the human health and ecological risk assessments.

4.2 Site-Wide Considerations

4.2.1 Sediment Characteristics and Dynamics

In order to develop a robust CSM, data are needed to characterize the surface water flow patterns and the sediment dynamics. As discussed above, multiple depositional zones have been identified from the chemical data and a review of aerial photos. However, it will be important to understand the extent and stability of these depositional zones and the potential for currents to disperse contaminated sediments from these areas. Bioturbation could also be a significant factor affecting sediment stability and should be taken into account. Furthermore, for a future evaluation of remedial scenarios at the site including monitored natural recovery, bathymetry and rates of deposition should be determined where feasible. The dynamic nature of the coastal areas will likely preclude an effective geochronology analysis, yet such a study may be possible in the wetland areas shielded from waves. Analysis of sediment grain size and TOC is recommended to assist in understanding sediment dynamics.

4.2.2 Recommendations

- Current meters should be co-located with total suspended solids analysis in strategic locations to characterize both hydraulic flow and sediment movement at the site.
- In order to determine historical deposition rates and the potential for natural recovery, geochronology of sediment cores should be analyzed (where feasible and implementable).
- Sediment samples should be collected to characterize grain size and TOC in the identified depositional zones.
- A bathymetric survey should be conducted in the water Areas (all areas but 3 and 4) in order to further characterize the sediment surface and to assist in the development of remedial alternatives in the FS.

4.2.3 Groundwater/Surface Water Interaction

There are no site-specific data on the interaction of groundwater and surface water at the site. Tidal fluctuations, precipitation events, and the presence of streams and wetlands within the site area can influence the interaction between groundwater and surface water. It is important to understand this interaction, particularly near the seawall and in adjacent areas since the behavior of groundwater and surface water near the seawall can have implications for development of remedial alternatives in the FS.

Installation of sets of shallow and deep, 2-inch piezometers (up to 14 pairs), is recommended to provide data to investigate groundwater/surface water interaction in the vicinity of the seawall and along the length of the site. At least one set of temporary piezometers should be installed on the north side (bayside) of the seawall to determine water levels. The piezometers will be used to obtain water level data that will be used to determine the groundwater flow direction and the horizontal and vertical hydraulic gradient. Proposed water level data collection activities are recommended below.

- Transducers will be installed in three piezometer pairs for a one month period to assess fluctuations in groundwater levels related to tides and precipitation. Water level data will be collected at 10 minute intervals.
- Six rounds of synoptic water level measurements will be collected at one month intervals. During each event measurements will be taken at high tide and at low tide as defined by the closest tidal gauge or at the Cheesequake inlet.
- Tidal data will be obtained from the closest tidal gauging station for the period when transducers are deployed and the synoptic measurements are taken.
- Specific conductance will be monitored in the wells to identify density differences between freshwater and saline water; freshwater head corrections will be made if necessary.

One round of groundwater samples will be collected from the piezometers in Area 1. Shallow groundwater may flow through the base of the seawall in Area 1. In addition, there is information that fill materials, potentially including slag, may be present upgradient (south) of the seawall. Since development of remedial alternatives in the FS may need to consider management of groundwater in Area 1, one round of groundwater sampling is proposed to provide baseline groundwater quality. The following analyses are proposed for the groundwater samples:

- Total metals, including mercury
- Hexavalent chromium
- VOCs, SVOCs, pesticides, PCBs
- Water quality analyses including TOC, total suspended solids (TSS), chloride, hardness, and alkalinity

Groundwater sample analyses will be detailed in the work plan and UFP-QAPP.

Water quality parameters including pH, specific conductance, dissolved oxygen, temperature, salinity, and oxidation/reduction potential (as Eh) will be collected in the field at the time of sample collection. The timing of the sampling event will be determined after the water level data from the transducers and tidal data are evaluated.

A limited number of stratigraphic borings are proposed to be completed at locations near the seawall. Stratigraphic borings will be drilled to characterize the stratigraphic sequence in this area and any shallow groundwater that may be impacted by the slag or fill material. These borings will be completed to the top of the Magothy Formation (estimated to be 50 feet bgs), a regional formation that will likely be the bottom of any shallow aquifer. The borings will provide basic lithologic and geotechnical information on subsurface conditions. Data from the borings will be presented in boring logs and a cross section. To provide a basis for selecting appropriate depths for piezometer screens, the stratigraphic borings will be drilled prior to installation of the piezometers.

4.2.4 Ecological and Human Health Risk

Data needs for the human health and ecological risk assessment were considered in the recommendations provided for the Site Areas discussed below. Some specific data requirements need to be met to support the risk assessments. These include, but are not limited to, the following elements:

- Surface soil samples for human health risk assessment will be collected from 0 to 2 feet bgs and analyzed for metals. A subset (approximately 40 percent) of the samples should be analyzed for organic compounds.
- A subset of the sediment samples 30 percent) will be analyzed for TOC, pH, and grain size distribution to support comparison of the data against screening criteria in the RI.
- Surface water samples will be analyzed for pH, hardness, chloride, and TOC to support comparison of the data against screening criteria in the RI.
- Physical chemical parameters will be collected with all water samples (pH, salinity, Eh, dissolved oxygen, temperature, and turbidity).

Since an ecological risk assessment previously conducted by EPA has not been finalized, it is premature to develop specific recommendations for data collection activities needed to support a Baseline Ecological Risk Assessment (BERA). There are sufficient existing chemical data to support preparation of a SLERA.

Existing biota tissue, pore water, sediment, surface water, and soil data could be used to support a BERA. Previous investigations included the collection of forage fish, mollusk, and aquatic vegetation samples co-located with sediment, pore water and surface water samples. Previous sampling did not include toxicity testing, metals bioavailability testing, or a benthic macroinvertebrate survey. Additional data may be needed to provide the multiple lines of evidence required to support a BERA. If it is determined that a BERA is required, the following types of data are typically needed:

- Sediment/soil toxicity testing data
- Benthic macroinvertebrate community structure survey data
- Sediment pore water chemical analysis data
- Biota tissue analysis data (terrestrial and aquatic)

During the RI field investigation, an ecological reconnaissance, and community aquatic and terrestrial community surveys will be performed to gather information on ecological resources in the area for the ecological risk assessment. Other site-specific surveys may be needed such as avian surveys or fish surveys to support selection of receptor species for the ecological risk assessment.

Based on published wetland maps, there are significant wetland areas within the site boundary, including Area 9 and the open water areas of Raritan Bay. Delineation of the wetlands in Area 9 is recommended.

4.2.5 Background Concentrations

The primary contaminants associated with the known slag source material are metals that also occur naturally in environmental media. Defining background concentrations of contaminants in site media is an important consideration for evaluating the RI data. Some key considerations for background samples include:

- Background samples should have physical characteristics similar to site samples (i.e., similar texture, and basic characteristics such as TOC)
- Background samples should be collected from locations outside of the influence of the site
- There should be a sufficient number of samples to support statistical analysis of the data.
- Analyzed for the same parameters as the site samples and collected early during the RI field activities.

Sediment Background Data

Existing background data exists for sediments from a number of sources:

- Six background samples were collected during the Phase I assessment conducted by Weston Solutions, Inc. for EPA (Weston 2008).

- Six additional background sediment samples were collected during the Phase 2 assessment conducted Weston Solutions, Inc. (Weston 2009).

- Sediment data from a Bay-wide study of Raritan Bay referred to as the REMAP study (EPA 2003). The REMAP data were collected to support an analysis of contaminant trends in Raritan Bay sediments and to develop biological indicators that can be linked to contaminant impacts.

Background samples collected by Weston were collected from an area east of the site (Area 10) as shown on Figure 4-1a. The location appears to be outside of the influence of the site and may be a suitable background sampling location. No information on the physical characteristics of the sediment samples was identified (e.g., grain size, organic content, etc). The background samples were collected from the 0 to 3-inches depth interval, which is consistent with some of the existing sediment sample data, but is not representative of the deeper environmental samples that were collected. In addition, the samples were not analyzed for the same parameters that will be targeted in the future sampling. These sediment samples can be used to represent background conditions for metals but will need to be augmented with additional samples analyzed for the same parameters as the site samples and collected from similar depth intervals.

The REMAP sediment results may be useful for evaluating background sampling results. However, the data were collected from locations covering the entire Raritan Bay and, therefore, it is uncertain whether the data represent site-specific background conditions. In addition, the stated purpose for collecting the samples is to assess contaminant trends in Raritan Bay. The REMAP sediment data will be evaluated further in the work plan to assess their suitability for use as background samples.

Surface Water Background Data
No background surface water samples were identified in the existing data. Additional samples are recommended to define background conditions for surface water. Background surface water samples should be analyzed for the same parameters as the site samples. A detailed recommendation including the potential locations and number of samples will be provided in the work plan.

Soil Background Data
No background data for soil samples were identified in the existing data. Additional samples are recommended to define background conditions for soil. Background soil samples should be analyzed for the same parameters as the site samples. A detailed recommendation including the potential locations and number of samples will be provided in the work plan.

Groundwater Background Data
No background data for groundwater were identified in the existing data. Installation of background monitoring wells is recommended to provide background data to support evaluation of groundwater in Area 1. Background groundwater samples should be analyzed for the same parameters as the site samples.

4.2.6 Organic Contaminants

A subset of the sediment samples were analyzed for organic compounds including VOCs, SVOCs, pesticides, and PCBs. A total of 35 sediment samples from Areas 1, 2, 5, 6, 7, 8, and 11 were analyzed for organic compounds.

Fourteen soil samples collected in the Margaret's Creek area (Area 9) were analyzed for a limited list of organic compounds including PAHs and 4, 4'-DDT.

Screening results for sediment and soil samples are provided in Appendix A. Figure 4-1b provides sample location and screening criteria exceeedences. A summary of the analytical results for organic compounds is provided below.

Sediment Samples

- **VOCs –** Only one VOC, carbon disulfide, was detected in the sediment samples. Carbon disulfide was detected in all of the Site Areas, except Area 6. Concentrations ranged from non-detect to 9.5 µg/kg and frequently exceeded the screening criterion of 0.851 µg/kg. No concentrated area of carbon disulfide detections was identified that would indicate a source area. Carbon disulfide can occur naturally, particularly in reducing environments like sediments.
- **SVOC**s – The SVOCs detected in the sediment samples were almost exclusively PAHs. Concentrations of one or more PAHs exceeded screening criteria in samples from all of the Site Areas that were sampled. The frequency of exceedances was low in samples from Areas 1, 2, 5, and 6. PAH concentrations in Areas 7, 8, and 11 frequently exceeded the screening criteria. The highest concentration of an

individual PAH (pyrene) was 710 µg/kg in a sample collected from Area 11. PAH concentrations do not appear to correlate with the locations of known slag materials or elevated concentrations of lead in sediments. PAHs are widespread in the environment.

- **Pesticides –** Five pesticides were detected at concentrations exceeding screening criteria including, heptachlor epoxide, dieldrin, 4,4'-DDT and its degradation products 4,4'-DDE, and 4,4'- DDD. The vast majority of the exceedances were for 4, 4'-DDT and its degradation products. Although pesticide concentrations exceeded applicable screening criteria, concentrations generally were low. EPA banned the use of DDT in the United States in 1972. The greatest frequency of exceedances occurred in samples collected from Site Areas 2, 7, and 11.
- **PCBs – Only** one PCB (as the commercial mixture Aroclor-1254) was detected in the sediment sample**s**. Aroclor-1254 exceeded its screening criterion of 23 µg/kg in 8 of the 35 sediment samples including samples from Areas 2, 5, 7, 8, and 11. The maximum concentration of Aroclor-1254 (480 µg/kg) occurred in a sample collected from Area 2.

Margaret's Creek Soil Samples
SVOCs – With one exception, SVOCs that exceeded soil screening criteria were PAHs. PAH concentrations detected in the soil samples were low (maximum concentration of 0.25 µg/kg**)**. Bis-2-ethyhexyl phthalate was detected at a concentration of 2.1 µg/kg in one sample.

4.2.7 Recommendations for Organic Analyses

Although concentrations of organics exceeded the screening criteria in some samples, overall the concentrations were low. In general, many of the organic compounds detected in soil and sediment samples such as DDT and its degradation products and PAHs are widely distributed in the environment. Further, organic compounds are not known to be associated with the slag sources (i.e., seawall and Cheesequake Creek western jetty) at the site. For these reasons, limiting organics analysis to 40 percent of future samplesis recommended to characterize organics contamination.

Given that there are potential contaminant sources other than the slag jetty and seawall contributing to contamination in the Margaret's Creek wetland (Area 9), 100% of locations will be analyzed for organics in Area 9. Similarly, as part of the test excavation investigation that will be conducted in Areas 1 and 4 during April 2010, 100 percent of the soil samples will be analyzed for VOCs, SVOCs, pesticides, and PCBs.

4.2.8 Sediment and Soil Analyses

The following analyses for the sediment and soil samples are recommended to identify the nature and extent of contamination from the slag and any other unknown sources, as well as provide information for the CSM, RI, and FS:

- Total metals, including mercury
- Hexavalent chromium
- VOCs, SVOCs, pesticides, PCBs (40 percent of samples)

- TOC, pH, grain size distribution (30 percent of samples in each area)
- Geotechnical parameters in selected areas to support the FS

Soil and sediment analyses will be detailed in the work plan and QAPP. Recommended analyses for surface water samples are provided in the individual sections below.

4.3 Cultural Resources Survey

A cultural resources survey was conducted previously in the Margaret's Creek Area. However, a cultural resources survey needs to be prepared for the other Site Areas. In accordance with the National Historic Preservation Act (NRHP), a cultural resources survey will be performed to determine the presence or absence of cultural resources that may be impacted by the implementation of the RI and remedial action.

4.4 Topographic Survey

A detailed topographic survey has not been prepared for the site and the surrounding area. A detailed topographic survey is recommended to provide basic topographic information to support the RI and FS. The topographic map will be incorporated into the GIS and will serve as a site base map. The map will be prepared at a topographic resolution sufficient to support the FS and will be useful for subsequent remedial design and remedial action activities.

4.5 Area 1: Laurence Harbor Seawall

4.5.1 Sediment Data Gaps

Figures 4-2 and 4-3 show the locations of sediment samples collected from Area 1. The seawall in Area 1 is a known major source of metals. Area 1 contains two depositional zones: an eastern zone where organic-rich sediments from Margaret's Creek are likely deposited, and a western zone formed by the jetty in Area 2.

The data show that arsenic contamination is more wide-spread laterally than lead contamination, suggesting that lead has a higher affinity for sediment than arsenic. The locations with the highest concentrations were in the near-shore area in the eastern depositional zone. The off-shore row of samples shows that lead contamination is well delineated; however, arsenic is still elevated. For the deeper intervals, there are only two results for lead that exceed the 30.2 ppm screening limit. These locations are both directly adjacent to the slag. For arsenic, concentrations are overall lower than the shallower interval, yet vertical delineation is not complete in the depositional zones.

4.5.2 Sediment Recommendations

- Collection of additional sediment samples is recommended to delineate arsenic contamination further off-shore beyond the last row of existing samples.

- Deeper sediment samples are recommended to delineate the vertical extent of contamination in depositional zones.

4.5.3 Surface Water Data Gaps

Figures 4-4 and 4-5 show the locations of surface water samples collected from Area 1. Limited surface water sampling was conducted for dissolved and total metals in the near-shore areas near the slag seawall and adjacent to the mouth of Margaret's Creek. Lead concentrations exceeded the screening level of 8.1 µg/L in each sample for both dissolved and total surface water samples. Dissolved arsenic samples were below the screening level in all locations; two of nine total arsenic samples exceeded the screening level.

4.5.4 Surface Water Recommendations

To support the RI and risk assessments, a limited number of surface water samples should be collected concurrently with sediment samples during future sediment sampling events. Surface water analyses should include total and dissolved metals in order to permit comparisons with water quality criteria and provide information for the further development of the CSM. Other analyses include hexavalent chromium, TOC, dissolved organic carbon (DOC), and physicochemical properties including dissolved oxygen, pH, temperature, salinity, and turbidity.

4.5.5 Soil Data Gaps

Surface soil samples were not collected from the sandy area above the seawall, between the seawall and Area 4. This area is located close to the seawall and the potential exists that contaminants associated with slag in the seawall may impact the adjacent soils.

4.5.6 Soil Recommendations

Additional surface soil sampling is recommended to characterize Area 1 surface soils and provide data for the RI and risk assessments. Test excavations and subsurface soil sampling are currently planned in Areas 1 and 4 to determine whether buried slag is present and to investigate subsurface soil contamination. Prior to conducting the test excavations, one surface soil sample will be collected at each of the 12 test excavation transects. .

4.6 Area 2: Laurence Harbor Beach

4.6.1 Sediment Data Gaps

Figures 4-6 and 4-7 show the locations of sediment samples collected from Area 2. Area 2 is a net depositional zone due to a jetty and the angle of the shoreline. Due to the Area's proximity to the slag seawall in Area 1 and the direction of the long-shore current, it would be expected that sediments in this area would be highly contaminated in both the shallow and deep intervals. The data indicate that this is generally true. The highest concentrations were found in the shallower sediments closest to the high tide line. Many results from the deeper intervals are above the screening levels, indicating insufficient vertical delineation. Furthermore, contaminant concentrations in the line of off-shore samples are elevated, indicating incomplete lateral delineation.

4.6.2 Sediment Recommendations

- Deeper samples are recommended across Area 2, especially directly against the jetty, at the crook of the jetty and beach, and on the beach.
- Additional sampling is recommended for the areas off-shore of Area 2.

4.6.3 Surface Water Data Gaps

Figures 4-8 and 4-9 show the locations of surface water samples collected from Area 2; limited sampling was conducted for dissolved and total metals. Concentrations were significantly elevated in both sample types for both lead and arsenic. The data indicate that substantial partitioning is occurring from the sediments into the water column.

4.6.4 Surface Water Recommendations

To support the RI and risk assessments, a limited number of surface water samples should be collected concurrently with sediment samples during future sediment sampling events. Surface water analyses should include total and dissolved metals in order to permit comparisons with water quality criteria and provide information for the further development of the CSM. Other analyses include hexavalent chromium, TOC, DOC, and physicochemical properties including dissolved oxygen, pH, temperature, salinity, and turbidity.

4.6.5 Soil Data Gaps

Figure 4-10 shows the locations of surface soil samples collected from the Area 2 beach. Overall, lead and arsenic concentrations in this area are elevated, with higher concentrations occurring near the shoreline and decreasing in the upland direction.

The highest concentrations of lead and arsenic occur along the high tide strand line, which is visible in the aerial photograph. The Area 2 beach appears to be accreting. The jetty at the western end of the Area 2 causes sand carried by the westward long-shore current to be deposited on the beach. Thus, metal-bearing material derived from Area 1 accumulates on the Area 2 beach, burying older material. Since the slag has been at the site for over 30 years, it is possible that the older, buried soils also contain elevated concentrations of metals.

4.6.6 Soil Recommendations

- Subsurface soil sampling is recommended over the entire Area 2 beach to determine the vertical extent of contamination. The samples should be collected from the same locations as the surface soil samples.
- The existing surface soil data is considered adequate to define the nature and extent of contamination in the surface soils.

4.7 Area 3: Laurence Harbor Playground

4.7.1 Soil Data Gaps

Figure 4-11 shows the locations of surface soil samples collected in Area 3. Much of Area 3 is a children's playground located just south of the Area 1 seawall. A fence separates the playground from the seawall. Surface soil data collected in this area indicate generally low levels of lead and arsenic, with a few locations showing elevated lead and arsenic concentrations. ATSDR's health consultation (ATSDR 2009) indicated that there is no apparent public health threat for the playground, based on the available data.

Although soil samples were collected from the playground, no samples were collected in the area between the playground and the Area 2 beach, where higher levels of lead and arsenic occur in soil. It is likely that this area is used in conjunction with playground activities.

4.7.2 Soil Recommendations

Additional surface (0 to 2 feet) soil sampling is recommended for the area immediately west of the playground, between the playground and the Area 2 beach.

4.8 Area 4: Old Bridge Waterfront Park

4.8.1 Soil Data Gaps

Figure 4-12 shows the locations of surface soil samples collected from Area 4; limited soil sampling (7 samples) was conducted. Samples were collected along the walkway on the south side of the fence that separates Area 4 from Area 1. Lead concentrations exceeded 30 mg/kg in the majority of samples. With the exception of one location immediately adjacent to the seawall, arsenic concentrations were in the range of 0.389 mg/kg to 10 mg/kg. Test excavations are currently planned in Areas 1 and 4 to investigate whether buried slag is present.

4.8.2 Soil Recommendations

Additional surface soil sampling is recommended for Area 4 to provide a more complete data set for the RI and human health risk assessment. Test excavations are currently planned to determine whether buried slag is present in Areas 1 and 4. Soil samples will be collected from the test excavations. A total of 12 surface soil samples, one at each transect location, will be collected in conjunction with the test excavation sampling. The need for additional surface soil samples in these areas will be evaluated based on the results of the test excavation sampling.

4.9 Area 5: Laurence Harbor Beach between the First and Third Jetties

4.9.1 Sediment Data Gaps

Figures 4-13 and 4-14 show the locations for sediment samples collected from Area 5. Area 5 contains three separate jetties, roughly dividing the Area into two halves. It appears that as the long-shore current flows westward, sediment from Area 2 has

washed over or through the eastern-most jetty and deposited on the eastern half of Area 5, particularly near the high-tide line. While the western half is noticeably a depositional zone, the contamination is of a lesser magnitude than in the eastern half. A likely scenario is that wash-over from the eastern half occurs, and the contaminated sediments mix with cleaner sediments being deposited directly from Raritan Bay.

A limited number of samples in the row furthest off-shore had lead concentrations above the screening criterion. The deeper intervals are above the screening level generally along the high-tide line and near the eastern jetty where washed-over sediments from Area 2 would be expected.

4.9.2 Sediment Recommendations

- Additional sediment sampling is recommended to delineate contaminated depositional zones off-shore.
- Additional sediment sampling is recommended to support vertical delineation in the area between the central and eastern jetty.

4.9.3 Surface Water Data Gaps

Figures 4-15 and 4-16 show the locations of surface water samples collected from Area 5; limited sampling was conducted in the near-shore areas. Dissolved arsenic levels were below the screening level for all samples, and 50 percent of the total arsenic samples were above the screening level. Dissolved lead levels were above the screening level in all but one sample, with significantly greater concentrations found in samples analyzed for total lead.

4.9.4 Surface Water Recommendations

To support the RI and risk assessments, a limited number of surface water samples should be collected concurrently with sediment samples during future sediment sampling events. Surface water analyses should include total and dissolved metals in order to permit comparisons with water quality criteria and provide information for the further development of the CSM. Other analyses include hexavalent chromium, TOC, DOC, and physicochemical properties including dissolved oxygen, pH, temperature, salinity, and turbidity.

4.9.5 Soil Data Gaps

Figure 4-17 shows the locations of soil samples collected from Area 5. All of the soil samples from Area 5 were collected from depths less than 12 inches. Area 5 is bordered on the east and west by jetties. A third jetty divides Area 5 into two beaches. The eastern beach is adjacent to Area 2, which had elevated levels of lead and arsenic in soil. Lead and arsenic concentrations in Area 5 show a decreasing trend moving from east to west, which is consistent with transport of sediment from Areas 1 and Area 2 by the westward long-shore current and the tidal action of the bay. Nearly all of the soil samples collected from the eastern beach had elevated concentrations of lead and arsenic. In contrast, at the western beach, lead and arsenic concentrations generally were lower.

4.9.6 Soil Recommendations

- The vertical extent of contamination has not been defined in the eastern portion of Area 5. Subsurface soil samples should be collected within the entire eastern beach area to determine the vertical boundary of contamination. Sample locations should extend to the western side of the middle jetty.
- The southern boundary of the horizontal extent of soil contamination (south of the walkway) has not been defined in the eastern section of Area 5. A limited number of soil samples are recommended in the area south of the walkway to determine the southern boundary of soil contamination.

4.10 Area 6: Laurence Harbor Beach between the Third Jetty and Cheesequake Creek Inlet Eastern Jetty

4.10.1 Sediment Data Gaps

Figures 4-18 and 4-19 show the locations of sediment samples collected from Area 6. Area 6 is bounded by the eastern Cheesequake Creek jetty to the west, and a jetty to the east. Minimal deposition appears to be occurring in this area. Sediments entering this area are either likely from Raritan Bay or are washed over the eastern jetty from the less-contaminated half of Area 5. There are only sporadic exceedances of the screening level for lead in the shallower intervals, and arsenic concentrations are generally between 0.389 mg/kg and 10 mg/kg, with just one instance of a higher concentration. Samples from the deeper interval had only one exceedance for lead. However, the deeper intervals were on average more contaminated with arsenic.

4.10.2 Sediment Recommendations

Additional deep sediment (greater than 24 inches) samples are recommended for the eastern half of Area 6 to delineate the vertical extent of arsenic contamination observed in the deeper sediment samples.

4.10.3 Surface Water Data Gaps

Figures 4-20 and 4-21 shows the locations of surface water samples collected from Area 6. Three total and dissolved metals samples were collected in the off-shore eastern portion of Area 6 and three samples were collected in the near-shore western portion. Lead was elevated for all the samples. For arsenic, only one of the off-shore samples was elevated, whereas all three near-shore samples were elevated.

4.10.4 Surface Water Recommendations

Limited surface water sampling was conducted in Area 6. Additional surface water sampling is recommended to provide greater coverage in Area 6. To support the RI and risk assessment, a limited number of surface water samples should be collected in conjunction with the additional sediment sampling recommended in Section 4.10.2. Surface water analyses should include total and dissolved metals in order to permit comparisons with water quality criteria and provide information for the further development of the CSM. Other analyses include hexavalent chromium, TOC, DOC,

and physicochemical properties including dissolved oxygen, pH, temperature, salinity, and turbidity.

4.10.5 Soil Data Gaps

Figures 4-22 and 4-23 show the locations of soil samples collected from Area 6, from the 0 to 12-inch and greater than 12-inch intervals, respectively. The majority of the soil samples were collected along the western half of the beach and from depths less than 12 inches. Three samples were collected from depths greater than 12 inches.

Lead and arsenic concentrations in the soil samples were consistently low, with most concentrations in the range of 0.0537 to 30 mg/kg for lead and 0.389 to 10 for mg/kg for arsenic. Beach accretion does not appear to be a significant process in Area 6 and, therefore, transport of metals derived from slag along the seawall and subsequent deposition on the beach is not expected.

4.10.6 Soil Recommendations

- Although the concentrations of lead and arsenic in soil samples from Area 6 generally were low, no samples were collected from the eastern half of the beach. A line of surface soil samples along the eastern half of the Area 6 beach is recommended to provide data to evaluate soils along the entire length of the beach.
- Subsurface sampling is recommended for a subset (estimated at 50 percent) of the locations to delineate the vertical extent of contamination.

4.11 Area 7: Cheesequake Creek Inlet

4.11.1 Sediment Data Gaps

Figures 4-24 and 4-25 show the locations of sediment samples collected from Area 7. Area 7 comprises the Cheesequake Creek inlet and a limited off-shore area. The western jetty creating the inlet was built of slag, and thus elevated concentrations would be expected in this area. Ebb tides will bring relatively organic-rich sediments from the Cheesequake Creek wetland through the Inlet; once the tidal flow reaches Raritan Bay, dispersion causes the flow's energy to decrease, allowing sediments to drop out of suspension. Flood tides will bring water and suspended sediment into Cheesequake Creek from Raritan Bay.

Wash-over from the eastern (non-slag) jetty from Area 6 has created a sandbar in the Inlet. Tidal scour has left only gravel on the seafloor in other portions of the Inlet proper. As a consequence of these conditions, only the deposition area in Raritan Bay was sampled extensively. Elevated concentrations of both arsenic and lead are present in both the deeper and shallow samples in this zone. Delineation is not complete as the outer-most samples are elevated. No data are available for areas south of the Route 35 Bridge in Cheesequake Creek.

4.11.2 Sediment Recommendations

- Additional sediment samples are recommended to further delineate the depositional zone offshore of the slag jetty.
- The vertical extent of sediment contamination has not been defined. Additional subsurface sediment samples are recommended in the off-shore depositional area.

4.11.3 Surface Water Data Gaps

No surface water samples were taken in this area.

4.11.4 Surface Water Recommendations

No surface water samples were collected in Area 7. To support the RI and risk assessments, collection of surface water samples is recommended in conjunction with the additional sediment sampling described in Section 4.11.2. A limited number of surface water samples should be collected in conjunction with the additional sediment sampling recommended. Surface water analyses should include total and dissolved metals in order to permit comparisons with water quality criteria and provide information for the further development of the CSM. Other analyses include hexavalent chromium , TOC, DOC,and physicochemical properties including dissolved oxygen, pH, temperature, salinity, and turbidity.

4.11.5 Soil Data Gaps

Figure 4-26 shows the locations of soil samples collected in Area 7. A total of 5 samples were collected from the sandy area on the northwestern side of the eastern Cheesequake Inlet jetty. This area may be a depositional area resulting from wash-over of the eastern jetty by tides and storms.

Arsenic data are not available for the soil samples collected from Area 7; however, the lead concentrations are marginally elevated (0.537 to 30 mg/kg). Soil samples collected from the adjacent area (Area 6), the likely source of sand during wash-over events, also show low concentrations of lead and arsenic, generally 0.0537 to 30 mg/kg and 0.389 to 10 mg/kg, respectively.

4.11.6 Soil Recommendations

Since quality-controlled arsenic concentrations were not available from prior investigations, further sampling is recommended for this area.

4.12 Area 8: Cheesequake Creek Inlet Western Jetty

4.12.1 Sediment Data Gaps

Figures 4-27 and 4-28 show the locations of sediment samples collected in Area 8. Area 8 is directly adjacent to the slag jetty that forms the Cheesequake Creek Inlet. Since much of this area is shielded from the long-shore current due to the inlet's jetties, dispersion of contamination is likely to be a slow process and consequently contamination will have built up over time. Contamination in the shallow intervals is

widespread, with several very high values. A similar pattern to Area 1 is evident, in that arsenic contamination has dispersed farther from the slag source than the lead. The deeper intervals are also very contaminated, although levels are lower in the northwest portion of the Area.

4.12.2 Sediment Recommendations

- Deeper sediment samples are recommended to provide further vertical delineation across most of Area 8
- Additional sediment sampling is recommended to define the horizontal and vertical extent of contamination near the end of the Cheesequake Creek western jetty.

4.12.3 Surface Water Data Gaps

Figures 4-29 and 4-30 show the locations of surface water samples collected from Area 8. Five surface water samples were taken: three along the slag jetty (likely above a gravel bed) and two in the near-shore area in a sediment area. Elevated dissolved and total concentrations of lead and arsenic were found solely in the sediment area, affirming that partitioning is occurring between contaminated sediments and the water column.

4.12.4 Surface Water Recommendations

To support the RI and risk assessments, a limited number of surface water samples should be collected concurrently with the additional sediment sampling described in Section 4.12.2. Surface water analyses should include total and dissolved metals in order to permit comparisons with water quality criteria and provide information for the further development of the CSM. Other analyses include hexavalent chromium, TOC, DOC, and physicochemical properties including dissolved oxygen, pH, temperature, salinity, and turbidity.

4.12.5 Soil Data Gaps

Figure 4-31 shows the locations of surface soil samples collected in Area 8 along the western jetty and on the beach area behind the jetty, close to the water. Soil sampling was limited in Area 8, consisting of only 7 samples, all of which show elevated concentrations of both arsenic and lead. The location of the soil samples close to the shoreline and the elevated concentrations suggest that metals from slag at the western jetty have affected surface soil on the adjacent areas, either through deposition during high water or by sedimentation in the more quiescent environment behind the jetty.
The lateral and vertical extent of contamination in Area 8 has not been adequately defined. It is likely that slag-related contamination extends further up the beach, toward the southwest and along the jetty.

4.12.6 Soil Recommendations

Additional soil sampling is recommended to characterize the lateral and vertical extent of soil contamination in Area 8. Sampling is proposed to extend

from the edge of the bay to the southwest, toward Route 35, and along the western jetty.

4.13 Area 9: Margaret's Creek

4.13.1 Sediment Data Gaps

Figures 4-32 and 4-33 show the location of sediment samples in Area 9. Area 9 comprises an inland tidal wetland, Margaret's Creek (that connects the wetland hydraulically to Raritan Bay), an elevated dirt roadway in the wetland, and beachfront in front of the wetlands. The wetland likely contains fill material; it is unknown if significant slag material is present in the wetlands.

As discussed for Area 1, organic-rich sediments likely flow out of the wetland to the bay via Margaret's Creek on ebb tides. These sediments are deposited near the mouth of the Creek and farther west in front of the slag seawall. Given the westward long-shore current, it is unlikely that contamination from the seawall or re-suspended sediments from this depositional zone will travel eastward, against the long-shore current, onto the Area 9 beachfront. The data indicate that lead concentrations are not elevated along the beachfront, and slightly elevated concentrations of arsenic occur sporadically. Flood tides could carry re-suspended contaminated sediments into the wetlands. There are only two sediment samples in the wetlands; both exceeded the screening criteria for lead and arsenic.

4.13.2 Sediment Recommendations

- Another line of samples off-shore of the beachfront is recommended to delineate the slightly elevated arsenic levels.
- Further sampling is recommended near the mouth of Margaret's Creek (and near the border of Area 1).
- Additional wetland sediment sampling is recommended for the entire wetland area, including the open water in the wetland. Surface samples (0 to 6 inches) and deeper samples, to a depth of at least 4 feet are recommended for this area.

4.13.3 Surface Water Data Gaps

Figures 4-34 and 4-35 show the locations of surface water samples in Area 9. Four surface water samples were collected along the beachfront area and three were collected along Margaret's Creek. Lead concentrations were above the screening level in all but one of the samples, which had high numbers in the Margaret's Creek samples.

4.13.4 Surface Water Recommendations

- Additional surface water sampling is recommended for Margaret's Creek. Surface water samples should be collected on the incoming and outgoing tides to provide data to assess whether metals contamination is being transported from the wetland and/or the sediments and sources associated with the seawall.

- Limited surface water sampling is recommended in conjunction with collection of sediment samples in the open water areas of the Margaret's Creek wetland.
- Analysis should be conducted for total and dissolved metals, hexavalent chromium, TOC, DOC, and physicochemical properties including dissolved oxygen, pH, Eh, temperature, salinity, and turbidity.

4.13.5 Soil Data Gaps

Figures 4-36 and 4-37 show the locations of soil samples collected in the Margaret's Creek area (Area 9). Soil data for Area 9 was stratified by depth as follows:

- Surface soil samples collected as deep as 2 feet
- Subsurface soil samples collected at depths greater than 2 feet

Samples were collected in two major areas within Area 9: from the beach area and along a pipeline right-of-way by OBMUA contractors. The area surrounding the samples collected along the right-of-way appears to have been filled in the past and is elevated above the level of the surrounding wetland. Previous investigation have noted crushed battery casings in this area.

Beach Area

- Lead and arsenic concentrations in the beach area generally were low. Most samples had concentrations of lead and arsenic less than 30 mg/kg and less than 10 mg/kg, respectively.
- Two samples, located adjacent to Margaret's Creek and southwest of the beach area, had elevated levels of both lead and arsenic. These samples are located near debris and kettle bottoms (slag) observed in this area.
- The beach area does not appear to have been affected by metal contaminants derived from slag material associated with the seawall in Area 1 or by transport of metals in soil along the right-of-way in Margaret's Creek.

Right-of-Way

- Concentrations of lead and arsenic in surface soils along the right-of-way are markedly higher than in soils in the beach area. In particular, lead concentrations range between 30 and 500 mg/kg in half of the samples collected along the right-of-way and the lead concentrations exceed 500 mg/kg in three of the samples.
- Arsenic and lead concentrations are elevated in subsurface soils along the dirt road in the right-of-way. The subsurface soil data suggest that arsenic contamination is at depth in this area. The deepest samples in this area were 8.5 feet bgs.

4.13.6 Soil Recommendations

- No additional soil sampling is recommended for the beach in Area 9. The data are adequate to define the nature and extent of contamination in the beach soils.
- Additional soil sampling is recommended to investigate soil contamination in the Margaret's Creek area. The existing data are not sufficient to define the lateral or vertical extent of contamination in this area. Both surface and subsurface soil sampling are recommended within the fill area that is elevated above the surrounding wetland. Systematic soil sampling, such as grid sampling, is recommended to investigate soil contamination. Soil sampling would be done in conjunction with wetland sediment sampling recommended for Area 9 (see Section 4.13.2).

4.13.7 Groundwater Data Gaps

Three monitoring wells, located in Area 9, were sampled during the OBMUA investigation of metals contamination related to installation of a pipeline in the right-of-way. The three wells were located along the right-of-way and were installed within the shallow groundwater. Samples were analyzed for metals.

A number of metals exceeded New Jersey Groundwater Quality standards (NJGWQS) including iron, manganese, sodium, aluminum, beryllium, and arsenic. Arsenic (at 5.1 µg/L) marginally exceeded the NJGWQS of 3 µg/L in one of the monitoring well samples.

4.13.8 Groundwater Recommendations

Further investigation of the groundwater chemical quality and hydrogeology will likely be needed in Area 9. However, it is recommended that the groundwater investigation in this area be deferred until the additional soil, sediment, and surface water sampling recommended above is complete, the associated data are reviewed, and site-specific stratigraphic information is available. These data will provide a rational basis to determine the locations and depths of monitoring wells in this area. Details regarding the sequencing and scheduling of the groundwater investigation in the Margaret's Creek area will be provided in the work plan.

4.14 Area 10: Historical Background Sampling Area

4.14.1 Data Gaps

Area 10 is the background sediment sample locations identified by Weston in the Phase 1 and Phase 2 investigations. The existing data were not screened against background data at this time. Section 4.2.5 includes a preliminary discussion and recommendations for collection of background samples.

4.15 Area 11: Depositional Area

4.15.1 Sediment Data Gaps

Figures 4-38 and 4-39 show the locations of sediment samples collected from Area 11. Area 11 is similar to Area 8 in that the jetties on the Cheesequake Creek inlet shield the

area from the long-shore current. However, much of Area 11 is not shielded from wind and waves from Raritan Bay. Two patterns emerge from the data for Area 11. The first is that the slow dispersion of arsenic seen in Area 8 extends into the sections of Area 11 closest to Area 8. The second pattern is that wind and wave action appears to be driving sediment closer to the shore.
Slightly elevated concentrations of arsenic and lead are present in the near-shore area. Slight shifts in wind direction, and periodic long-shore currents could develop to transport these sediments farther westward to an apparent depositional area approximately 0.5 mile up the coastline.

Vertical delineation is not complete in the section adjacent to Area 8, and the central and near-shore portions of Area 11 lack sufficient samples for delineation. Furthermore, the depositional zone up the coast has not been sampled and may be receiving contaminants from the site.

4.15.2 Sediment Recommendations

- Additional sediment samples are recommended to further delineate the lateral and vertical extent of contamination in the central portion, in the near-shore, and in the near-shore areas northwest of Area 11.
- Samples should be collected in the depositional beach area approximately 0.5 mile west along the coastline from Area 11.

4.15.3 Surface Water Data Gaps

No surface water samples were collected in this area.

4.15.4 Surface Water Recommendations

To support the RI and risk assessments, a limited number of surface water samples should be collected concurrently with sediment samples describe in Section 4.15.2. Surface water analyses should include total and dissolved metals in order to permit comparisons with water quality criteria and provide information for the further development of the CSM. Other analyses include hexavalent chromium, TOC, DOC, and physicochemical properties including dissolved oxygen, pH, temperature, salinity, and turbidity.

4.15.5 Soil Data Gaps

No soil sampling was conducted in this area.

4.15.6 Soil Recommendations

Soil sampling is recommended along the shoreline adjacent to Area 11 since contaminated sediments in this area could also affect the shoreline area.

4.16 Next Steps

When the scope of work for the RI/FS is finalized, the project planning documents and activities detailed below will be performed.

Work Plan

The RI/FS Work Plan will include a comprehensive description of project tasks, project documentation, and a project schedule. Specifically, the Work Plan will include the following:

- Identification of RI/FS project elements including planning and activity reporting documentation.
- A technical approach for each task to be performed, including a detailed description of each task; the assumptions used; any information to be produced during and at the conclusion of each task; and a description of the work products that will be submitted.
- A schedule with dates for completion of each required activity, critical path milestones and submission of each deliverable required by the SOW and the anticipated review time.
- Issues relating to management responsibilities, site access, site security, contingency procedures and storage and disposal of investigation derived wastes (IDW) will also be addressed.
- A list of key CDM personnel who will support the project and the subcontractor services required to complete the work.

Estimated costs for the RI/FS will be prepared, including a detailed cost breakdown of direct costs, subcontract costs, and other direct costs.

UFP-QAPP

A UFP-QAPP will be prepared in accordance with the Uniform Federal Policy for QAPPs. The QAPP will describe the project objectives and organization, functional activities, and QA/QC protocols that will be used to achieve the required data quality objectives (DQOs).

The QAPP will include sample locations and frequency; a list of sampling equipment; personnel and equipment decontamination procedures; sample handling and analysis; and a breakdown of samples to be analyzed. The QAPP also addresses site management including site control and site operations. The logistics of all field investigation activities will also be described.

The site operations section includes a project organization chart and delineates the responsibilities of key field and office team members. A schedule will be included that shows the proposed scheduling of each major field activities.

Accident Prevention Plan (APP)

Draft and final APPs will be prepared for the field investigation. The APP will be prepared concurrently with the UFP-QAPP. The APP will be submitted as a separate deliverable. The APP includes the following site-specific information:

- A hazard assessment
- Training requirements and training topics
- Definition of exclusion, contaminant reduction, and other work zones
- Monitoring procedures for site operations

- Safety procedures
- Personal protective clothing and equipment requirements for various field operations
- Disposal and decontamination procedures

Subcontractor Procurement

All subcontractors needed to complete the field investigations will be procured. Procurement activities include: preparation of the technical statement of work; preparation of Invitation for Bid (IFB) or Request For Proposals (RFP) packages; conducting a pre-bid site visit (when necessary); answering technical and administrative questions from prospective bidders; performing technical and administrative evaluations of received bids; performing the necessary background, reference, financial and insurance checks; preparation of consent packages for approval by the USACE; and awarding the subcontracts.

Mobilization and RI Field Activities

Following approval of the final project planning documents, mobilization activities will be completed. Mobilization consists of site preparation, access support, field personnel orientation, field trailer and equipment mobilization, and field supply ordering, staging and transport to the site for the field activities. As part of mobilization, field planning meetings will be conducted with site personnel.

Section 5
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Table 2-1
Sediment Screening Criteria
Raritan Bay Slag Superfund Site
Old Bridge and Sayreville, New Jersey

CAS Number	Chemical Name	Human Health Screening Level[1]	Ecological Screening Level			Screening Criteria[5]
			NJDEP ER-L[2]	NOAA[3]	EPA Region 3[4]	
Inorganic Analytes (mg/kg)						
7429-90-5	Aluminum	7,740 n	NL	NL	NL	7,740
7440-36-0	Antimony	3.13 n	NL	NL	2 a	2
7440-38-2	Arsenic	0.389 ca	8.2	7.24	7.24	0.389
7440-39-3	Barium	1530 n	NL	130.1	NL	130.1
7440-41-7	Beryllium	15.6 n	NL	NL	NL	15.6
7440-43-9	Cadmium	7 n	1.2	0.68	0.68	0.68
7440-70-2	Calcium	NL	NL	NL	NL	NL
7440-47-3	Chromium	100,000 m	81	52.3	52.3	52.3
18540-29-9	Chromium (hexavalent)	0.293 ca	NL	NL	NL	0.293
7440-48-4	Cobalt	2.34 n	NL	NL	50 a	2.34
7440-50-8	Copper	313 n	34	18.7	18.7	18.7
7439-89-6	Iron	5,480 n	NL	NL	2,000 a	2,000
7439-92-1	Lead	40 n	47	30.24	30.2	30.2
7439-95-4	Magnesium	NL	NL	NL	NL	NL
7439-96-5	Manganese	183 n	NL	NL	460 a	183
7439-97-6	Mercury	0.56 n	0.15	0.13	0.13	0.13
7440-02-0	Nickel	155 n	21	15.9	15.9	15.9
7440-09-7	Potassium	NL	NL	NL	NL	NL
7782-49-2	Selenium	39.1 n	NL	NL	2 a	2
7440-22-4	Silver	39.1 n	1	0.73	0.73	0.73
7440-23-5	Sodium	NL	NL	NL	NL	NL
7440-28-0	Thallium	100,000 m	NL	NL	NL	100,000
7440-62-2	Vanadium	0.548 n	NL	NL	NL	0.548
7440-66-6	Zinc	2,350 n	150	124	124	124
Volatile Organic Compounds (µg/kg)						
71-55-6	1,1,1-Trichloroethane	640,000 s	NL	NL	856	856
79-34-5	1,1,2,2-Tetrachloroethane	562 ca	NL	NL	202	202
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	910,000 s	NL	NL	NL	910,000
79-00-5	1,1,2-Trichloroethane	1,070 ca	NL	NL	570	570
75-34-3	1,1-Dichloroethane	3,310 ca	NL	NL	NL	3,310
75-35-4	1,1-Dichloroethene	24,300 n	NL	NL	2780	2,780
120-82-1	1,2,4-Trichlorobenzene	6,190 n	NL	NL	473	473
96-12-8	1,2-Dibromo-3-chloropropane	5.35 ca	NL	NL	NL	5.35
106-93-4	1,2-Dibromoethane	33.7 ca	NL	NL	NL	33.7
95-50-1	1,2-Dichlorobenzene	191,000 n	NL	NL	989	989
107-06-2	1,2-Dichloroethane	432 ca	NL	NL	NL	432
78-87-5	1,2-Dichloropropane	895 ca	NL	NL	NL	895
87-61-6	1,2,3-Trichlorobenzene	4,890 n	NL	NL	858 a	858
541-73-1	1,3-Dichlorobenzene	NL	NL	NL	842	842
106-46-7	1,4-Dichlorobenzene	2440 ca	NL	NL	460	460
123-91-1	1,4-Dioxane	44,100 ca	NL	NL	NL	44,100
78-93-3	2-Butanone	2,780,000 n	NL	NL	NL	2,780,000
591-78-6	2-Hexanone	20,900 n	NL	NL	NL	20,900
108-10-1	4-Methyl-2-pentanone	532,000 n	NL	NL	NL	532,000
67-64-1	Acetone	6,130,000 n	NL	NL	NL	6,130,000
71-43-2	Benzene	1,080 ca	340	NL	137	137
74-97-5	Bromochloromethane	NL	NL	NL	NL	NL
75-27-4	Bromodichloromethane	273 ca	NL	NL	NL	273
75-25-2	Bromoform	61,500 ca	NL	NL	1,310	1,310
74-83-9	Bromomethane	732 n	NL	NL	NL	732
75-15-0	Carbon Disulfide	82,100 n	NL	NL	0.851 a	0.851
56-23-5	Carbon Tetrachloride	248 ca	NL	NL	7,240	248
108-90-7	Chlorobenzene	29,400 n	NL	NL	162	162
75-00-3	Chloroethane	1,450,000 n	NL	NL	NL	1,450,000
67-66-3	Chloroform	295 ca	NL	NL	NL	295
74-87-3	Chloromethane	11,900 n	NL	NL	NL	11,900
156-59-2	cis-1,2-Dichloroethene	78,200 n	NL	NL	NL	78,200
10061-01-5	cis-1,3-Dichloropropene	NL	NL	NL	NL	NL

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Table 2-1
Sediment Screening Criteria
Raritan Bay Slag Superfund Site
Old Bridge and Sayreville, New Jersey

CAS Number	Chemical Name	Human Health Screening Level[1]	Ecological Screening Level			Screening Criteria[5]
			NJDEP ER-L[2]	NOAA[3]	EPA Region 3[4]	
110-82-7	Cyclohexane	117,000 s	NL	NL	NL	117,000
124-48-1	Dibromochloromethane	680 ca	NL	NL	NL	680
75-71-8	Dichlorodifluoromethane	18,400 n	NL	NL	NL	18,400
100-41-4	Ethylbenzene	5,390 ca	1,400	NL	305	305
98-82-8	Isopropylbenzene	205,000 n	NL	NL	86 a	86
79-20-9	Methyl Acetate	7,820,000 n	NL	NL	NL	7,820,000
1634-04-4	Methyl Tert-Butyl Ether	43,300 ca	NL	NL	NL	43,300
108-87-2	Methylcyclohexane	NL	NL	NL	NL	NL
75-09-2	Methylene Chloride	10,700 ca	NL	NL	NL	10,700
100-42-5	Styrene	628,000 n	NL	NL	7,070	7,070
127-18-4	Tetrachloroethene	554 ca	450	NL	190	190
108-88-3	Toluene	497,000 n	2,500	NL	1,090	1,090
156-60-5	trans-1,2-Dichloroethene	15,300 n	NL	NL	NL	15,300
10061-02-6	trans-1,3-Dichloropropene	NL	NL	NL	NL	NL
79-01-6	Trichloroethene	2,820 ca	1,600	NL	8,950	1,600
75-69-4	Trichlorofluoromethane	78,700 n	NL	NL	NL	78,700
75-01-4	Vinyl Chloride	59.7 ca	NL	NL	NL	59.7
1330-20-7	Xylenes (total)	62,700 n	120	NL	NL	120
Semi-volatile Organic Compounds (µg/kg)						
92-52-4	1,1'-Biphenyl	214,000 s	NL	NL	1,220 a	1,220
95-94-3	1,2,4,5-Tetrachlorobenzene	1,830 n	NL	NL	47,000	1,830
108-60-1	2,2'-oxybis(1-Chloropropane)	4,570 ca	NL	NL	NL	4,570
58-90-2	2,3,4,6-Tetrachlorophenol	183,000 n	NL	NL	284 a	284
95-95-4	2,4,5-Trichlorophenol	611,000 n	NL	NL	819	819
88-06-2	2,4,6-Trichlorophenol	6,110 n	NL	NL	2,650	2,650
120-83-2	2,4-Dichlorophenol	18,300 n	NL	NL	117 a	117
105-67-9	2,4-Dimethylphenol	122,000 n	NL	NL	29 a	29
51-28-5	2,4-Dinitrophenol	12,200 n	NL	NL	NL	12,200
121-14-2	2,4-Dinitrotoluene	1,560 ca	NL	NL	41.6 a	41.6
606-20-2	2,6-Dinitrotoluene	6,120 n	NL	NL	NL	6,120
91-58-7	2-Chloronaphthalene	175,000 s	NL	NL	NL	175,000
95-57-8	2-Chlorophenol	39,100 n	NL	NL	344	344
91-57-6	2-Methylnaphthalene	31,300 n	70	20.2	20.2	20.2
95-48-7	2-Methylphenol	306,000 n	NL	NL	NL	306,000
88-74-4	2-Nitroaniline	60,600 n	NL	NL	NL	60,600
88-75-5	2-Nitrophenol	NL	NL	NL	NL	NL
91-94-1	3,3'-Dichlorobenzidine	1,080 ca	NL	NL	2,060	1,080
99-09-2	3-Nitroaniline	NL	NL	NL	NL	NL
534-52-1	4,6-Dinitro-2-methylphenol	611 n	NL	NL	NL	611
101-55-3	4-Bromophenyl-phenylether	NL	NL	NL	1,230 a	1,230
59-50-7	4-Chloro-3-methylphenol	611,000 n	NL	NL	NL	611,000
106-47-8	4-Chloroaniline	2,430 ca	NL	NL	NL	2,430
7005-72-3	4-Chlorophenyl-phenylether	NL	NL	NL	NL	NL
106-44-5	4-Methylphenol	30,600 n	NL	NL	670 a	670
100-01-6	4-Nitroaniline	24,300 ca	NL	NL	NL	24,300
100-02-7	4-Nitrophenol	NL	NL	NL	NL	NL
83-32-9	Acenaphthene	344,000 n	16	6.71	6.71	6.71
208-96-8	Acenaphthylene	NL	44	5.87	5.87	5.87
98-86-2	Acetophenone	782,000 n	NL	NL	NL	782,000
120-12-7	Anthracene	1,720,000 n	85	46.9	46.9	46.9
1912-24-9	Atrazine	2,110 ca	NL	NL	6.62 a	6.62
100-52-7	Benzaldehyde	782,000 n	NL	NL	NL	782,000
56-55-3	Benzo(a)anthracene	148 ca	261	74.8	74.8	74.8
50-32-8	Benzo(a)pyrene	14.8 ca	430	88.8	88.8	14.8
205-99-2	Benzo(b)fluoranthene	148 ca	NL	NL	NL	148
191-24-2	Benzo(g,h,i)perylene	NL	170 a	NL	170 a	170
207-08-9	Benzo(k)fluoranthene	1,480 ca	240 a	NL	240 a	240
111-91-1	bis(2-Chloroethoxy)methane	18,300 n	NL	NL	NL	18,300
111-44-4	bis(2-Chloroethyl)ether	214 ca	NL	NL	NL	214

Table 2-1
Sediment Screening Criteria
Raritan Bay Slag Superfund Site
Old Bridge and Sayreville, New Jersey

CAS Number	Chemical Name	Human Health Screening Level[1]	Ecological Screening Level			Screening Criteria[5]
			NJDEP ER-L[2]	NOAA[3]	EPA Region 3[4]	
117-81-7	bis(2-Ethylhexyl)phthalate	34,700 ca	NL	182	182	182
85-68-7	Butylbenzylphthalate	256,000 ca	NL	NL	16,800	16,800
105-60-2	Caprolactam	3,060,000 n	NL	NL	NL	3,060,000
86-74-8	Carbazole	NL	NL	NL	NL	NL
218-01-9	Chrysene	14,800 ca	384	108	108	108
53-70-3	Dibenz(a,h)anthracene	14.8 ca	63	6.22	6.22	6.22
132-64-9	Dibenzofuran	7,820 n	NL	NL	7,300	7,300
84-66-2	Diethylphthalate	4,890,000 n	NL	NL	218	218
131-11-3	Dimethylphthalate	NL	NL	NL	NL	NL
84-74-2	Di-n-butylphthalate	611,000 n	NL	NL	1,160	1,160
117-84-0	Di-n-octyl phthalate	NL	NL	NL	NL	NL
206-44-0	Fluoranthene	229,000 n	600	113	113	113
86-73-7	Fluorene	229,000 n	19	21.2	21.2	19
118-74-1	Hexachlorobenzene	303 ca	NL	NL	20 a	20
87-68-3	Hexachlorobutadiene	6,110 n	NL	NL	NL	6,110
77-47-4	Hexachlorocyclopentadiene	36,600 n	NL	NL	139	139
67-72-1	Hexachloroethane	6,110 n	NL	NL	804	804
193-39-5	Indeno(1,2,3-c,d)pyrene	148 ca	200 a	NL	17 a	17
78-59-1	Isophorone	511,000 ca	NL	NL	NL	511,000
91-20-3	Naphthalene	3,570 ca	160	34.6	34.6	34.6
98-95-3	Nitrobenzene	4,790 ca	NL	NL	NL	4,790
621-64-7	N-Nitroso-di-n-propylamine	69.4 ca	NL	NL	NL	69.4
86-30-6	N-Nitrosodiphenylamine	99,100 ca	NL	NL	422,000	99,100
87-86-5	Pentachlorophenol	2,970 ca	NL	NL	7,970	2,970
85-01-8	Phenanthrene	NL	240	86.7	86.7	86.7
108-95-2	Phenol	1,830,000 n	NL	NL	420 a	420
129-00-0	Pyrene	172,000 n	665	153	153	153
Pesticides/Polychlorinated Biphenyls (µg/kg)						
72-54-8	4,4'-DDD	2,020 ca	NL	1.22	1.22	1.22
72-55-9	4,4'-DDE	1,430 ca	2.2	2.07	2.07	2.07
50-29-3	4,4'-DDT	1,720 ca	1.6 b	1.19	1.19	1.19
309-00-2	Aldrin	28.6 ca	2 a	NL	2 a	2
319-84-6	alpha-BHC	77.1 ca	3 a,c	NL	1360	3
5103-71-9	alpha-Chlordane	NL	7 a,d	NL	NL	7
319-85-7	beta-BHC	270 ca	3 a,c	NL	5 a	3
319-86-8	delta-BHC	NL	3 a,c	NL	6400 a	3
60-57-1	Dieldrin	30.3 ca	2 a	0.72	0.72	0.72
959-98-8	Endosulfan I	NL	NL	NL	2.9 a	2.9
33213-65-9	Endosulfan II	NL	NL	NL	14 a	14
1031-07-8	Endosulfan sulfate	NL	NL	NL	0.357	0.357
72-20-8	Endrin	1,830 n	3 a	NL	2.67	2.67
7421-93-4	Endrin aldehyde	NL	NL	NL	NL	NL
53494-70-5	Endrin ketone	NL	NL	NL	NL	NL
5103-74-2	gamma-Chlordane	NL	7 a,d	NL	NL	7
76-44-8	Heptachlor	108 ca	NL	NL	68 a	68
1024-57-3	Heptachlor epoxide	53.3 ca	5 a	NL	0.6	0.6
58-89-9	gamma-BHC (Lindane)	516 ca	NL	0.32	0.32	0.32
72-43-5	Methoxychlor	30,600 n	NL	NL	29.6	29.6
8001-35-2	Toxaphene	441 ca	NL	0.1	536	0.1
12674-11-2	Aroclor-1016	393 n	23 e	21.6 e	40 e	21.6
11104-28-2	Aroclor-1221	141 ca	23 e	21.6 e	40 e	21.6
11141-16-5	Aroclor-1232	141 ca	23 e	21.6 e	40 e	21.6
53469-21-9	Aroclor-1242	221 ca	23 e	21.6 e	40 e	21.6
12672-29-6	Aroclor-1248	221 ca	23 e	21.6 e	40 e	21.6
11097-69-1	Aroclor-1254	112 n	23 e	63.3	63.3	23
11096-82-5	Aroclor-1260	221 ca	23 e	21.6 e	40 e	21.6
37324-23-5	Aroclor-1262	NL	23 e	21.6 e	40 e	21.6
11100-14-4	Aroclor-1268	NL	23 e	21.6 e	40 e	21.6

Table 2-1
Sediment Screening Criteria
Raritan Bay Slag Superfund Site
Old Bridge and Sayreville, New Jersey

CAS Number	Chemical Name	Human Health Screening Level[1]	Ecological Screening Level			Screening Criteria[5]
			NJDEP ER-L[2]	NOAA[3]	EPA Region 3[4]	

Source:

[1] EPA 2009. EPA Regional Screening Level (RSL) for residential soil, based on cancer risk of 1×10^{-6} and non-cancer hazard index of 0.1. December. http://www.epa.gov/region09/superfund/prg/index.html

[2] New Jersey DEP 2009. Ecological Screening Criteria. http://www.nj.gov/dep/srp/guidance/ecoscreening/

[3] Buchman, M.F., 2008. NOAA Screening Quick Reference Tables, NOAA OR and R Report 08-1, Seattle, WA, Office of Response and Restoration Division, National Oceanic and Atmospheric Administration

[4] EPA 2006. EPA Region 3 Biological Technical Assistance Group (BTAG) Marine Sediment Screening Benchmarks, Mid-Atlantic Risk Assessment: Ecological Risk Assessment, http://www.epa.gov/reg3hwmd/risk/eco/index.htm

[5] Screening criteria are the lowest values

mg/kg - milligrams per kilogram
µg/kg - micrograms per kilogram
ca - value based on cancer effects
n - value based on noncancer effects
m - concentration may exceed ceiling limit
s - concentration may exceed saturation concentration

a - freshwater value used as directed
b - value for total DDT
c - value for BHC
d - value for chlordane
e - value for total PCBs

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Table 2-2
Surface Water and Pore Water Screening Criteria
Raritan Bay Slag Superfund Site
Old Bridge and Sayreville, New Jersey

CAS Number	Chemical Name	NJDEP Surface Water Quality Standards (SWQS)[1]	National Recommended Water Quality Criteria (NRWQC)[2]	EPA Region 3[3]	Screening Criteria[4]
Inorganic Analytes (µg/L)					
7429-90-5	Aluminum	NL	NL	87 d	87
7440-36-0	Antimony	NL	NL	500	500
7440-38-2	Arsenic	36	36	12.5	12.5
7440-39-3	Barium	NL	NL	4 d	4
7440-41-7	Beryllium	NL	NL	0.66 d	0.66
7440-43-9	Cadmium	8.8	8.8	0.12	0.12
7440-70-2	Calcium	NL	NL	116,000 d	116,000
7440-47-3	Chromium	NL	NL	57.5	57.5
18540-29-9	Chromium (hexavalent)	50	50	1.5	1.5
7440-48-4	Cobalt	NL	NL	23 d	23
7440-50-8	Copper	5.6	3.1	3.1	3.1
7439-89-6	Iron	NL	NL	300 d	300
7439-92-1	Lead	24	8.1	8.1	8.1
7439-95-4	Magnesium	NL	NL	82,000 d	82,000
7439-96-5	Manganese	NL	NL	120 d	120
7439-97-6	Mercury	0.94	0.94	0.016	0.016
7440-02-0	Nickel	22	8.2	8.2	8.2
7440-09-7	Potassium	NL	NL	53,000 d	53,000
7782-49-2	Selenium	71	71	71	71
7440-22-4	Silver	1.9 a	1.9 a	0.23	0.23
7440-23-5	Sodium	NL	NL	680,000 d	680,000
7440-28-0	Thallium	NL	NL	21.3	21.3
7440-62-2	Vanadium	NL	NL	20 d	20
7440-66-6	Zinc	81	81	81	81
Volatile Organic Compounds (µg/L)					
71-55-6	1,1,1-Trichloroethane	NL	NL	312	312
79-34-5	1,1,2,2-Tetrachoroethane	NL	NL	90.2	90.2
76-13-1	1,1,2-Trichloro-1,2,2-triflouroethane	NL	NL	NL	NL
79-00-5	1,1,2-Trichloroethane	NL	NL	550	550
87-61-6	1,2,3-Trichlorobenzene	NL	NL	8 d	8
75-34-3	1,1-Dichloroethane	NL	NL	47 d	47
75-35-4	1,1-Dichloroethene	NL	NL	2,240	2,240
120-82-1	1,2,4-Trichlorobenzene	NL	NL	5.4	5.4
106-93-4	1,2-Dibromoethane	NL	NL	NL	NL
96-12-8	1,2-Dibromo-3-chloropropane	NL	NL	NL	NL
95-50-1	1,2-Dichlorobenzene	NL	NL	42	42
107-06-2	1,2-Dichloroethane	NL	NL	1,130	1,130
78-87-5	1,2-Dichloropropane	NL	NL	2,400	2,400
541-73-1	1,3-Dichlorobenzene	NL	NL	28.5	28.5
542-75-6	1,3-Dichloropropene (cis- and trans-)	NL	NL	7.9	7.9
106-46-7	1,4-Dichlorobenzene	NL	NL	19.9	19.9
123-91-1	1,4-Dioxane	NL	NL	NL	NL
78-93-3	2-Butanone	NL	NL	14,000 d	14,000
591-78-6	2-Hexanone	NL	NL	99 d	99
108-10-1	4-Methyl-2-Pentanone	NL	NL	123,000	123,000
67-64-1	Acetone	NL	NL	564,000	564,000
71-43-2	Benzene	NL	NL	110	110
74-97-5	Bromochloromethane	NL	NL	NL	NL
75-27-4	Bromodichloromethane	NL	NL	NL	NL
75-25-2	Bromoform	NL	NL	640	640
74-83-9	Bromomethane	NL	NL	120	120
75-15-0	Carbon Disulfide	NL	NL	0.92 d	0.92

Table 2-2
Surface Water and Pore Water Screening Criteria
Raritan Bay Slag Superfund Site
Old Bridge and Sayreville, New Jersey

CAS Number	Chemical Name	NJDEP Surface Water Quality Standards (SWQS)[1]	National Recommended Water Quality Criteria (NRWQC)[2]	EPA Region 3[3]	Screening Criteria[4]
56-23-5	Carbon Tetrachloride	NL	NL	1,500	1,500
108-90-7	Chlorobenzene	NL	NL	25	25
75-00-3	Chloroethane	NL	NL	NL	NL
67-66-3	Chloroform	NL	NL	815	815
74-87-3	Chloromethane	NL	NL	2,700	2,700
156-59-2	cis-1,2-Dichloroethene	NL	NL	NL	NL
110-82-7	Cychohexane	NL	NL	NL	NL
124-48-1	Dibromochloromethane	NL	NL	NL	NL
75-71-8	Dichlorodifluoromethane	NL	NL	NL	NL
100-41-4	Ethylbenzene	NL	NL	25	25
98-82-8	Isopropylbenzene	NL	NL	2.6 d	2.6
79-20-9	Methyl Acetate	NL	NL	NL	NL
1634-04-4	Methyl tert-butyl ether	NL	NL	11,070 d	11,070
75-09-2	Methylene Chloride	NL	NL	2,560	2,560
108-87-2	Methylcyclohexane	NL	NL	NL	NL
100-42-5	Styrene	NL	NL	910	910
127-18-4	Tetrachloroethene	NL	NL	45	45
108-88-3	Toluene	NL	NL	215	215
156-60-5	trans-1,2-Dichloroethene	NL	NL	970 d	970
79-01-6	Trichloroethene	NL	NL	21 d	21
75-69-4	Trichlorofluoromethane	NL	NL	NL	NL
75-01-4	Vinyl Chloride	NL	NL	930 d	930
1330-20-7	Xylene (total)	NL	NL	19	19
Semi-volatile Organic Compounds (µg/L)					
92-52-4	1,1-Biphenyl	NL	NL	14 d	14
95-94-3	1,2,4,5-Tetrachlorobenzene	NL	NL	129	129
108-60-1	2,2'-oxybis(1-Chloropropane)	NL	NL	NL	NL
58-90-2	2,3,4,6-Tetrachlorophenol	NL	NL	1.2 d	1.2
95-95-4	2,4,5-Trichlorophenol	NL	NL	12	12
88-06-2	2,4,6-Trichlorophenol	NL	NL	61	61
120-83-2	2,4-Dichlorophenol	NL	NL	11 d	11
105-67-9	2,4-Dimethylphenol	NL	NL	NL	NL
51-28-5	2,4-Dinitrophenol	NL	NL	48.5	48.5
51-28-5	2,4-Dinitrotoluene	NL	NL	48.5	48.5
606-20-2	2,6-Dinitrotoluene	NL	NL	81 d	81
91-58-7	2-Chloronaphthalene	NL	NL	NL	NL
95-57-8	2-Chlorophenol	NL	NL	265	265
91-57-6	2-MethylNLphthalene	NL	NL	4.2	4.2
95-48-7	2-Methylphenol	NL	NL	1,020	1,020
88-74-4	2-Nitroaniline	NL	NL	NL	NL
88-75-5	2-Nitrophenol	NL	NL	2,940	2,940
91-94-1	3,3'-Dichlorobenzidine	NL	NL	73	73
99-09-2	3-Nitroaniline	NL	NL	NL	NL
534-52-1	4,6-Dinitro-2-methylphenol	NL	NL	NL	NL
101-55-3	4-Bromophenyl-phenylether	NL	NL	1.5 d	1.5
59-50-7	4-Chloro-3-methylphenol	NL	NL	NL	NL
106-47-8	4-Chloroaniline	NL	NL	232 d	232
7005-72-3	4-Chlorophenyl-phenylether	NL	NL	NL	NL
106-44-5	4-Methylphenol	NL	NL	543 d	543
100-01-6	4-Nitroaniline	NL	NL	NL	NL
100-02-7	4-Nitrophenol	NL	NL	71.7	71.7
83-32-9	Acenaphthene	NL	NL	6.6	6.6
208-96-8	Acenaphthylene	NL	NL	NL	NL

Table 2-2
Surface Water and Pore Water Screening Criteria
Raritan Bay Slag Superfund Site
Old Bridge and Sayreville, New Jersey

CAS Number	Chemical Name	NJDEP Surface Water Quality Standards (SWQS)[1]	National Recommended Water Quality Criteria (NRWQC)[2]	EPA Region 3[3]	Screening Criteria[4]
98-86-2	Acetophenone	NL	NL	NL	NL
120-12-7	Anthracene	NL	NL	0.18	0.18
1912-24-9	Atrazine	NL	NL	1.8 d	1.8
100-52-7	Benzaldehyde	NL	NL	NL	NL
56-55-3	Benzo(a)anthracene	NL	NL	0.018 d	0.018
50-32-8	Benzo(a)pyrene	NL	NL	0.015 d	0.015
205-99-2	Benzo(b)fluoranthene	NL	NL	NL	NL
191-24-2	Benzo(g,h,i)perylene	NL	NL	NL	NL
207-08-9	Benzo(k)fluoranthene	NL	NL	NL	NL
111-91-1	bis(2-Chloroethoxy)methane	NL	NL	NL	NL
111-44-4	bis(2-Chloroethyl)ether	NL	NL	NL	NL
117-81-7	bis(2-Ethylhexyl)phthalate	NL	NL	16 d	16
85-68-7	Butylbenzylphthalate	NL	NL	29.4	29.4
105-60-2	Caprolactum	NL	NL	NL	NL
86-74-8	Carbazole	NL	NL	NL	NL
218-01-9	Chrysene	NL	NL	NL	NL
53-70-3	Dibenz(a,h)anthracene	NL	NL	NL	NL
132-64-9	Dibenzofuran	NL	NL	65	65
84-66-2	Diethylphthalate	NL	NL	75.9	75.9
131-11-3	Dimethyl phthalate	NL	NL	580	580
84-74-2	Di-n-butylphthalate	NL	NL	3.4	3.4
117-84-0	Di-n-octylphthalate	NL	NL	22 d	22
206-44-0	Fluoranthene	NL	NL	1.6	1.6
86-73-7	Fluorene	NL	NL	2.5	2.5
118-74-1	Hexachlorobenzene	NL	NL	0.0003 d	0.0003
87-68-3	Hexachlorobutadiene	NL	NL	0.3	0.3
77-47-4	Hexachlorocyclopentadiene	NL	NL	0.07	0.07
67-72-1	Hexachloroethane	NL	NL	9.4	9.4
193-39-5	Indeno(1,2,3-cd)pyrene	NL	NL	NL	NL
78-59-1	Isophorone	NL	NL	129	129
91-20-3	Naphthalene	NL	NL	1.4	1.4
98-95-3	Nitrobenzene	NL	NL	66.8	66.8
621-64-7	N-Nitroso-di-n-propylamine	NL	NL	120	120
86-30-6	N-Nitrosodiphenylamine	NL	NL	33,000	33,000
87-86-5	Pentachlorophenol	7.9	7.9	7.9	7.9
85-01-8	Phenanthrene	NL	NL	1.5	1.5
108-95-2	Phenol	NL	NL	58	58
129-00-0	Pyrene	NL	NL	0.24	0.24
Pesticides/Polychlorinated Biphenyls (µg/L)					
72-54-8	4,4'-DDD	NL	NL	0.025	0.025
72-55-9	4,4'-DDE	NL	NL	0.14	0.14
50-29-3	4,4'-DDT	0.001	0.001	0.0065	0.001
309-00-2	Aldrin	1.3 a	1.3 a	0.13	0.13
319-84-6	alpha-BHC	NL	NL	25	25
5103-71-9	alpha-Chlordane	0.004 b	0.004 b	NL	0.004
319-85-7	beta-BHC	NL	NL	NL	NL
319-86-8	delta-BHC	NL	NL	141 d	141
60-57-1	Dieldrin	0.0019	0.0019	0.11	0.0019
959-98-8	Endosulfan I (alpha)	0.0087	0.0087	0.051 d	0.0087
33213-65-9	Endosulfan II (beta)	0.0087	0.0087	0.051 d	0.0087
1031-07-8	Endosulfan sulfate	NL	NL	0.009	0.009
72-20-8	Endrin	0.0023	0.0023	0.01	0.0023
7421-93-4	Endrin aldehyde	NL	NL	NL	NL

Table 2-2
Surface Water and Pore Water Screening Criteria
Raritan Bay Slag Superfund Site
Old Bridge and Sayreville, New Jersey

CAS Number	Chemical Name	NJDEP Surface Water Quality Standards (SWQS)[1]	National Recommended Water Quality Criteria (NRWQC)[2]	EPA Region 3[3]	Screening Criteria[4]
53494-70-5	Endrin ketone	NL	NL	NL	NL
58-89-9	gamma-BHC (Lindane)	0.16 a	0.16 a	0.016	0.016
5103-74-2	gamma-Chlordane	0.004 b	0.004 b	NL	0.004
76-44-8	Heptachlor	0.0036	0.0036	0.0019 d	0.0019
1024-57-3	Heptachlor expoxide	0.0036	0.0036	0.0019 d	0.0019
72-43-5	Methoxychlor	0.03	NL	0.03	0.03
8001-35-2	Toxaphene	0.0002	0.002	0.21	0.0002
12674-11-2	Aroclor-1016	0.03 c	0.03 c	0.000074 d,e	0.000074
11104-28-2	Aroclor-1221	0.03 c	0.03 c	0.000074 d,e	0.000074
11141-16-5	Aroclor-1232	0.03 c	0.03 c	0.000074 d,e	0.000074
53469-21-9	Aroclor-1242	0.03 c	0.03 c	0.000074 d,e	0.000074
12672-29-6	Aroclor-1248	0.03 c	0.03 c	0.000074 d,e	0.000074
11097-69-1	Aroclor-1254	0.03 c	0.03 c	0.000074 d,e	0.000074
11096-82-5	Aroclor-1260	0.03 c	0.03 c	0.000074 d,e	0.000074
37324-23-5	Aroclor-1262	0.03 c	0.03 c	0.000074 d,e	0.000074
11100-14-4	Aroclor-1268	0.03 c	0.03 c	0.000074 d,e	0.000074

Source:

[1] New Jersey Department of Environmental Protection. 2009. Surface Water Quality Standards, Saline Water Chronic Values. August.

[2] EPA 2009. National Recommended Water Quality Criteria (NRWQC), Saltwater Criterion Continuous Concentrations. http://www.epa.gov/ost/criteria/wqctable

[3] EPA 2006. EPA Region 3 Biological Technical Assistance Group (BTAG) Marine Screening Benchmarks, Mid-Atlantic Risk Assessment: Ecological Risk Assessment, http://www.epa.gov/reg3hwmd/risk/eco/index.htm

[4] Screening criteria are the lowest values

µg/L - micrograms per liter
NL - not listed
a - no chronic value available; acute value used
b - value for chlordane
c - value for PCBs
d - freshwater value used as directed
e - value for total PCBs

Table 2-3
Soil Screening Criteria for Data Gap Analysis
Raritan Bay Slag Superfund Site
Old Bridge and Sayreville, New Jersey

CAS Number	Chemical Name	NJDEP Residential Direct Contact Soil Remediation Standard (NJRDCSRS)[1]	NJDEP Non-Residential Direct Contact Soil Remediation Standard (NJNRDCSRS)[2]	NJDEP Default Impact to Groundwater Soil Remediation Standard (NJIGWSRS)[3]	Ambient Concentrations of Extractable Metals Urban Coastal Plain[4]		Human Health Screening Level (EPA RSL)[5]	Ecological Screening Level			Screening Criteria[9]
					Median Concentration	90th Percentile Concentration		EPA EcoSSLs[6]	Soil PRGs[7]	EPA Region 5[8]	
Inorganic Analytes (mg/kg)											
7429-90-5	Aluminum	78,000	NL	3,900	6,800	10,800	7,740 n	NL	NL	NL	3,900
7440-36-0	Antimony	31	450	6 PQL	<DL	<DL	3.13 n	0.27	5	0.142	0.142
7440-38-2	Arsenic	19 *	19 *	19 *	5.2	13.6	0.389 ca	18	9.9	5.7	0.389
7440-39-3	Barium	16,000	59,000	1,300	28.3	65.8	1530 n	330	283	1.04	1.04
7440-41-7	Beryllium	16	140	0.5	<DL	0.68	15.6 n	21	10	1.06	0.5
7440-43-9	Cadmium	78	78	1	<DL	<DL	7 n	0.36	4	0.00222	0.00222
7440-70-2	Calcium	NL	NL	NL	995	2,000	NL	NL	NL	NL	995
7440-47-3	Chromium	NL	NL	NL	11.8	34.7	100,000 m	26 a	0.4	0.4	0.4
18540-29-9	Chromium (hexavalent)	240	20	NL	NA	NA	0.293 ca	130	NL	NL	0.293
7440-48-4	Cobalt	1,600 *	590	59	<DL	<DL	2.34 n	NL	20	0.14	0.14
7440-50-8	Copper	3,100	45,000	7,300	9.3	33.3	313 n	28	60	5.4	5.4
57-12-5	Cyanide	1,600	23,000	13	NA	NA	156 n	NL	NL	1.33	1.33
7439-89-6	Iron	NL	NL	NL	8,830	21,100	5,480 n	NL	NL	NL	5,480
7439-92-1	Lead	400	800	59	37.6	144	40 n	11	40.5	0.0537	0.0537
7439-95-4	Magnesium	NL	NL	NL	673	1,870	NL	NL	NL	NL	673
7439-96-5	Manganese	11,000	5,900	42	62.4	206	183 n	220	NL	NL	42
7439-97-6	Mercury	23	65	0 PQL	<DL	0.21	0.56 n	NL	0.00051	0.1	0.00051
7440-02-0	Nickel	1,600	23,000	31	<DL	12.3	155 n	38	30	13.6	12.3
7440-09-7	Potassium	NL	NL	NL	<DL	1,750	NL	NL	NL	NL	1,750
7782-49-2	Selenium	390	5,700	7	<DL	<DL	39.1 n	0.52	0.21	0.0276	0.0276
7440-22-4	Silver	390	5,700	1 PQL	<DL	<DL	39.1 n	4.2	NL	4.04	1
7440-23-5	Sodium	NL	NL	NL	<DL	<DL	NL	NL	NL	NL	NL
7440-28-0	Thallium	5	79	3 PQL	<DL	<DL	100,000 m	NL	1	0.0569	0.0569
7440-62-2	Vanadium	78	1,100	NL	16	35.5	0.548 n	7.8	2	1.59	0.548
7440-66-6	Zinc	23,000	110,000	600	39.9	106	2,350 n	46	8.5	6.62	6.62
Volatile Organic Compounds (µg/kg)											
71-55-6	1,1,1-Trichloroethane	290,000	4,200,000	200	NA	NA	640,000 s	NL	NL	29,800	200
79-34-5	1,1,2,2-Tetrachloroethane	1,000	3,000	5 PQL	NA	NA	562 ca	NL	NL	127	5
79-00-5	1,1,2-Trichloroethane	2,000	6,000	10	NA	NA	1,070 ca	NL	NL	28,600	10
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	NL	NL	NL	NA	NA	910,000 s	NL	NL	NL	910,000
75-34-3	1,1-Dichloroethane	8,000	24,000	200	NA	NA	3,310 ca	NL	NL	20,100	200
75-35-4	1,1-Dichloroethene	11,000	150,000	5	NA	NA	24,300 n	NL	NL	8,280	5
87-61-6	1,2,3-Trichlorobenzene	NL	NL	NL	NA	NA	4,890 n	NL	20,000	NL	4,890
120-82-1	1,2,4-Trichlorobenzene	73,000	820,000	400	NA	NA	6,190 n	NL	20,000	11,100	400
96-12-8	1,2-Dibromo-3-chloropropane	80	200	5 PQL	NA	NA	5.35 ca	NL	NL	35.2	5
106-93-4	1,2-Dibromoethane	8	40	5 PQL	NA	NA	33.7 ca	NL	NL	1,230	5
95-50-1	1,2-Dichlorobenzene	5,300,000	59,000,000	11,000	NA	NA	191,000 n	NL	NL	2,960	2,960
107-06-2	1,2-Dichloroethane	900	3,000	5 PQL	NA	NA	432 ca	NL	NL	21,200	5
78-87-5	1,2-Dichloropropane	2,000	5,000	5 PQL	NA	NA	895 ca	NL	NL	32,700	5
541-73-1	1,3-Dichlorobenzene	5,300,000	59,000,000	12,000	NA	NA	NL	NL	NL	37,700	12,000
106-46-7	1,4-Dichlorobenzene	5,000	13,000	1,000	NA	NA	2,440 ca	NL	20,000	546	546
78-93-3	2-Butanone	3,100,000	44,000,000	600	NA	NA	2,780,000 n	NL	NL	89,600	600
591-78-6	2-Hexanone	NL	NL	NL	NA	NA	20,900 n	NL	NL	12,600	12,600
108-10-1	4-Methyl-2-pentanone	NL	NL	NL	NA	NA	532,000 n	NL	NL	443,000	443,000

R2-0000149

Table 2-3
Soil Screening Criteria for Data Gap Analysis
Raritan Bay Slag Superfund Site
Old Bridge and Sayreville, New Jersey

CAS Number	Chemical Name	NJDEP Residential Direct Contact Soil Remediation Standard (NJRDCSRS)[1]	NJDEP Non-Residential Direct Contact Soil Remediation Standard (NJNRDCSRS)[2]	NJDEP Default Impact to Groundwater Soil Remediation Standard (NJIGWSRS)[3]	Ambient Concentrations of Extractable Metals Urban Coastal Plain[4]		Human Health Screening Level (EPA RSL)[5]	Ecological Screening Level			Screening Criteria[9]
					Median Concentration	90th Percentile Concentration		EPA EcoSSLs[6]	Soil PRGs[7]	EPA Region 5[8]	
67-64-1	Acetone	70,000,000	NL	12,000	NA	NA	6,130,000 n	NL	NL	2,500	2,500
71-43-2	Benzene	2,000	5,000	5 PQL	NA	NA	1,080 ca	NL	NL	255	5
74-97-5	Bromochloromethane	NL	NL	NL	NA	NA	NL	NL	NL	NL	NL
75-27-4	Bromodichloromethane	1,000	3,000	5 PQL	NA	NA	273 ca	NL	NL	540	5
75-25-2	Bromoform	81,000	280,000	20	NA	NA	61,500 ca	NL	NL	15,900	20
74-83-9	Bromomethane	25,000	59,000	30	NA	NA	732 n	NL	NL	235	30
75-15-0	Carbon Disulfide	7,800,000	110,000,000	4,000	NA	NA	82,100 n	NL	NL	94.1	94.1
56-23-5	Carbon Tetrachloride	600	2,000	5 PQL	NA	NA	248 ca	NL	NL	2,980	5
123-91-1	1-4 Dioxane	NL	NL	NL	NA	NA	44,100 ca	NL	NL	NL	44,100
108-90-7	Chlorobenzene	510,000	7,400,000	400	NA	NA	29,400 n	NL	40,000	13,100	400
75-00-3	Chloroethane	220,000	1,100,000	NL	NA	NA	1,450,000 n	NL	NL	NL	220,000
67-66-3	Chloroform	600	2,000	200	NA	NA	295 ca	NL	NL	1,190	200
74-87-3	Chloromethane	4,000	12,000	NL	NA	NA	11,900 n	NL	NL	10,400	4,000
156-59-2	cis-1,2-Dichloroethene	230,000	560,000	200	NA	NA	78,200 n	NL	NL	NL	200
10061-01-5	cis-1,3-Dichloropropene	NL	NL	5 **, PQL	NA	NA	1,660 c**	NL	NL	398	5
110-82-7	Cyclohexane	NL	NL	NL	NA	NA	117,000 s	NL	NL	NL	117,000
124-48-1	Dibromochloromethane	3,000	8,000	5 PQL	NA	NA	680 ca	NL	NL	2,050	5
75-71-8	Dichlorodifluoromethane	490,000	230,000,000	25,000	NA	NA	18,400 n	NL	NL	39,500	18,400
100-41-4	Ethylbenzene	7,800,000	110,000,000	8,000	NA	NA	5,390 ca	NL	NL	5,160	5,160
98-82-8	Isopropylbenzene	NL	NL	NL	NA	NA	205,000 n	NL	NL	NL	205,000
79-20-9	Methyl Acetate	78,000,000	NL	14,000	NA	NA	7,820,000 n	NL	NL	NL	14,000
1634-04-4	Methyl Tert-Butyl Ether	110,000	320,000	200	NA	NA	43,300 ca	NL	NL	NL	200
108-87-2	Methylcyclohexane	NL	NL	NL	NA	NA	NL	NL	NL	NL	NL
75-09-2	Methylene Chloride	34,000	97,000	7	NA	NA	10,700 ca	NL	NL	4,050	7
100-42-5	Styrene	90,000	260,000	2,000	NA	NA	628,000 n	NL	300,000	4,690	2,000
127-18-4	Tetrachloroethene	2,000	5,000	5 PQL	NA	NA	554 ca	NL	NL	9,920	5
108-88-3	Toluene	6,300,000	91,000,000	4,000	NA	NA	497,000 n	NL	200,000	5,450	4,000
156-60-5	trans-1,2-Dichloroethene	300,000	720,000	400	NA	NA	15,300 n	NL	NL	784	400
10061-02-6	trans-1,3-Dichloropropene	NL	NL	5 **, PQL	NA	NA	1,660 c**	NL	NL	398	5
79-01-6	Trichloroethene	7,000	20,000	7	NA	NA	2,820 ca	NL	NL	12,400	7
75-69-4	Trichlorofluoromethane	23,000,000	340,000,000	22,000	NA	NA	78,700 n	NL	NL	16,400	16,400
75-01-4	Vinyl Chloride	700	2,000	5 PQL	NA	NA	60 ca	NL	NL	646	5
1330-20-7	Xylenes (Total)	12,000,000	170,000,000	12,000	NA	NA	62,700 n	NL	NL	10,000	10,000
Semi-Volatile Organic Compounds (µg/kg)											
92-52-4	1,1'-Biphenyl	3,100,000	34,000,000	90,000	NA	NA	214,000 s	NL	NL	NL	90,000
95-94-3	1,2,4,5-Tetrachlorobenzene	NL	NL	NL	NA	NA	1,830 n	NL	NL	2,020	1,830
108-60-1	2,2'-oxybis(1-Chloropropane)	23,000	67,000	NL	NA	NA	4,570 ca	NL	NL	19,900	4,570
95-95-4	2,4,5-Trichlorophenol	6,100,000	68,000,000	44,000	NA	NA	611,000 n	NL	9,000	14,100	9,000
88-06-2	2,4,6-Trichlorophenol	19,000	74,000	200 PQL	NA	NA	6,110 n	NL	4,000	9,940	200
120-83-2	2,4-Dichlorophenol	180,000	2,100,000	200 PQL	NA	NA	18,300 n	NL	NL	87,500	200
105-67-9	2,4-Dimethylphenol	1,200,000	14,000,000	700	NA	NA	122,000 n	NL	NL	10	10
51-28-5	2,4-Dinitrophenol	120,000	1,400,000	300 PQL	NA	NA	12,200 n	NL	20,000	60.9	60.9
121-14-2	2,4-Dinitrotoluene	700	3,000	200 ####, PQL	NA	NA	1,560 ca	NL	NL	1280	200
606-20-2	2,6-Dinitrotoluene	700	3,000	200 ####, PQL	NA	NA	6,120 n	NL	NL	32.8	32.8
91-58-7	2-Chloronaphthalene	NL	NL	NL	NA	NA	175,000 s	NL	NL	12.2	12.2

Table 2-3
Soil Screening Criteria for Data Gap Analysis
Raritan Bay Slag Superfund Site
Old Bridge and Sayreville, New Jersey

CAS Number	Chemical Name	NJDEP Residential Direct Contact Soil Remediation Standard (NJRDCSRS)[1]	NJDEP Non-Residential Direct Contact Soil Remediation Standard (NJNRDCSRS)[2]	NJDEP Default Impact to Groundwater Soil Remediation Standard (NJIGWSRS)[3]	Ambient Concentrations of Extractable Metals Urban Coastal Plain[4]		Human Health Screening Level (EPA RSL)[5]	Ecological Screening Level			Screening Criteria[9]
					Median Concentration	90th Percentile Concentration		EPA EcoSSLs[6]	Soil PRGs[7]	EPA Region 5[8]	
95-57-8	2-Chlorophenol	310,000	2,200,000	500	NA	NA	39100 n	NL	NL	243	243
91-57-6	2-Methylnaphthalene	230,000	2,400,000	5,000	NA	NA	31,300 n	NL	NL	3,240	3,240
95-48-7	2-Methylphenol	310,000	3,400,000	NL	NA	NA	306,000 n	NL	NL	NL	306,000
88-74-4	2-Nitroaniline	39,000	23,000,000	NL	NA	NA	60,600 n	NL	NL	74,100	39,000
88-75-5	2-Nitrophenol	NL	NL	NL	NA	NA	NL	NL	NL	1,600	1,600
91-94-1	3,3'-Dichlorobenzidine	1,000	4,000	200 PQL	NA	NA	1,080 ca	NL	NL	646	200
99-09-2	3-Nitroaniline	NL	NL	NL	NA	NA	NL	NL	NL	3,160	3,160
534-52-1	4,6-Dinitro-2-methylphenol	6,000	68,000	300 PQL	NA	NA	611 n	NL	NL	144	144
101-55-3	4-Bromophenyl-phenylether	NL	NL	NL	NA	NA	NL	NL	NL	NL	NL
59-50-7	4-Chloro-3-methylphenol	NL	NL	NL	NA	NA	611,000 n	NL	NL	NL	611,000
106-47-8	4-Chloroaniline	NL	NL	NL	NA	NA	2,430 ca	NL	NL	1,100	1,100
7005-72-3	4-Chlorophenyl-phenylether	NL	NL	NL	NA	NA	NL	NL	NL	NL	NL
106-44-5	4-Methylphenol	31,000	340,000	NL	NA	NA	30,600 n	NL	NL	163,000	30,600
100-01-6	4-Nitroaniline	NL	NL	NL	NA	NA	24,300 ca	NL	NL	21,900	21,900
100-02-7	4-Nitrophenol	NL	NL	NL	NA	NA	NL	NL	7,000	5,120	5,120
83-32-9	Acenaphthene	3,400,000	37,000,000	74,000	NA	NA	344,000 n	29,000 f	20,000	682,000	20,000
208-96-8	Acenaphthylene	NL	300,000,000	NL	NA	NA	NL	29,000 f	NL	682,000	29,000
98-86-2	Acetophenone	2,000	5,000	2,000	NA	NA	782,000 n	NL	NL	300,000	2,000
120-12-7	Anthracene	17,000,000	30,000,000	NL	NA	NA	1,720,000 n	29,000 f	NL	1,480,000	29,000
1912-24-9	Atrazine	210,000	2,400,000	200 PQL	NA	NA	2,110 ca	NL	NL	NL	200
100-52-7	Benzaldehyde	6,100,000	68,000,000	NL	NA	NA	782,000 n	NL	NL	NL	782,000
56-55-3	Benzo(a)anthracene	600	2,000	NL	NA	NA	148 ca	1,100 g	NL	5,210	148
50-32-8	Benzo(a)pyrene	200	200	NL	NA	NA	14.8 ca	1,100 g	NL	1,520	14.8
205-99-2	Benzo(b)fluoranthene	600	2,000	NL	NA	NA	148 ca	NL	NL	59,800	148
191-24-2	Benzo(g,h,i)perylene	380,000,000	30,000,000	NL	NA	NA	NL	1,100 g	NL	119,000	1,100
207-08-9	Benzo(k)fluoranthene	6,000	23,000	NL	NA	NA	1,480 ca	NL	NL	148,000	1,480
111-91-1	bis(2-Chloroethoxy)methane	NL	NL	NL	NA	NA	18,300 n	NL	NL	302	302
111-44-4	bis(2-Chloroethyl)ether	400	2,000	200 PQL	NA	NA	214 ca	NL	NL	23,700	200
117-81-7	bis-(2-Ethylhexyl)phthalate	35,000	140,000	NL	NA	NA	34,700 ca	NL	NL	925	925
85-68-7	Butylbenzylphthalate	1,200,000	14,000,000	NL	NA	NA	256,000 ca	NL	NL	239	239
105-60-2	Caprolactam	31,000,000	340,000,000	8,000	NA	NA	3,060,000 n	NL	NL	NL	8,000
86-74-8	Carbazole	24,000	96,000	NL	NA	NA	NL	NL	NL	NL	24,000
218-01-9	Chrysene	62,000	230,000	NL	NA	NA	14,800 ca	1,100 g	NL	4,730	1,100
53-70-3	Dibenzo(a,h)anthracene	200	200	NL	NA	NA	15 ca	1,100 g	NL	18,400	14.8
132-64-9	Dibenzofuran	NL	NL	NL	NA	NA	7,820 n	NL	NL	NL	7,820
84-66-2	Diethylphthalate	49,000,000	550,000,000	57,000	NA	NA	4,890,000 n	NL	100,000	24,800	24,800
131-11-3	Dimethylphthalate	NL	NL	NL	NA	NA	NL	NL	NL	734,000	734,000
84-74-2	Di-n-butylphthalate	6,100,000	68,000,000	NL	NA	NA	611,000 n	NL	200,000	150	150
117-84-0	Di-n-octylphthalate	2,400,000	27,000,000	NL	NA	NA	NL	NL	NL	709,000	709,000
206-44-0	Fluoranthene	2,300,000	24,000,000	NL	NA	NA	229,000 n	1,100 g	NL	122,000	1,100
86-73-7	Fluorene	2,300,000	24,000,000	110,000	NA	NA	229,000 n	29,000 f	NL	122,000	29,000
118-74-1	Hexachlorobenzene	300	1,000	NL	NA	NA	303 ca	NL	NL	199	199
87-68-3	Hexachlorobutadiene	6,000	25,000	NL	NA	NA	6,110 n	NL	NL	39.8	39.8
77-47-4	Hexachlorocyclopentadiene	45,000	110,000	NL	NA	NA	36,600 n	NL	10,000	755	755
67-72-1	Hexachloroethane	35,000	140,000	200 PQL	NA	NA	6,110 n	NL	NL	596	200

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Table 2-3
Soil Screening Criteria for Data Gap Analysis
Raritan Bay Slag Superfund Site
Old Bridge and Sayreville, New Jersey

CAS Number	Chemical Name	NJDEP Residential Direct Contact Soil Remediation Standard (NJRDCSRS)[1]	NJDEP Non-Residential Direct Contact Soil Remediation Standard (NJNRDCSRS)[2]	NJDEP Default Impact to Groundwater Soil Remediation Standard (NJIGWSRS)[3]	Ambient Concentrations of Extractable Metals Urban Coastal Plain[4]		Human Health Screening Level (EPA RSL)[5]	Ecological Screening Level			Screening Criteria[9]
					Median Concentration	90th Percentile Concentration		EPA EcoSSLs[6]	Soil PRGs[7]	EPA Region 5[8]	
193-39-5	Indeno(1,2,3-cd)pyrene	600	2,000	NL	NA	NA	148 ca	1,100 g	NL	109,000	148
78-59-1	Isophorone	510,000	2,000,000	200 PQL	NA	NA	511,000 ca	NL	NL	139,000	200
91-20-3	Naphthalene	6,000	17,000	16,000	NA	NA	3,570 ca	29,000 f	NL	99.4	99.4
98-95-3	Nitrobenzene	31,000	340,000	200 PQL	NA	NA	4,790 ca	NL	NL	1310	200
621-64-7	N-Nitroso-di-n-propylamine	200	300	200 PQL	NA	NA	69.4 ca	NL	NL	NL	69.4
86-30-6	N-Nitrosodiphenylamine	99,000	390,000	200	NA	NA	99,100 ca	NL	NL	545	200
87-86-5	Pentachlorophenol	3,000	10,000	300 PQL	NA	NA	2,970 ca	2,100	3,000	119	119
85-01-8	Phenanthrene	NL	300,000,000	NL	NA	NA	NL	29,000 f	NL	45,700	29,000
108-95-2	Phenol	18,000,000	210,000,000	5,000	NA	NA	1,830,000 n	NL	30,000	NL	5,000
129-00-0	Pyrene	1,700,000	18,000,000	NL	NA	NA	172,000 n	1,100 g	NL	78,500	1,100
Pesticides/Polychlorinated Biphenyls (µg/kg)											
72-54-8	4,4'-DDD	3,000	13,000	NL	NA	NA	2,020 ca	21 b	NL	758	21
72-55-9	4,4'-DDE	2,000	9,000	NL	NA	NA	1,430 ca	21 b	NL	596	21
50-29-3	4,4'-DDT	2,000	8,000	NL	NA	NA	1,720 ca	21 b	NL	3.5	3.5
309-00-2	Aldrin	40	200	NL	NA	NA	28.6 ca	NL	NL	3.32	3.32
319-84-6	alpha-BHC	100	500	2 PQL	NA	NA	77.1 ca	NL	NL	99.4	2
5103-71-9	alpha-Chlordane	200	1,000	NL	NA	NA	NL	NL	NL	224 c	200
12674-11-2	Aroclor-1016	200 #	1,000 #	NL	NA	NA	393 n	NL	371 d	0.332 d	0.332
11104-28-2	Aroclor-1221	200 #	1,000 #	NL	NA	NA	141 ca	NL	371 d	0.332 d	0.332
11141-16-5	Aroclor-1232	200 #	1,000 #	NL	NA	NA	141 ca	NL	371 d	0.332 d	0.332
53469-21-9	Aroclor-1242	200 #	1,000 #	NL	NA	NA	221 ca	NL	371 d	0.332 d	0.332
12672-29-6	Aroclor-1248	200 #	1,000 #	NL	NA	NA	221 ca	NL	371 d	0.332 d	0.332
11097-69-1	Aroclor-1254	200 #	1,000 #	NL	NA	NA	112 n	NL	371 d	0.332 d	0.332
11096-82-5	Aroclor-1260	200 #	1,000 #	NL	NA	NA	221 ca	NL	371 d	0.332 d	0.332
37324-23-5	Aroclor-1262	200 #	1,000 #	NL	NA	NA	NL	NL	371 d	0.332 d	0.332
11100-14-4	Aroclor-1268	200 #	1,000 #	NL	NA	NA	NL	NL	371 d	0.332 d	0.332
319-85-7	beta-BHC	400	2,000	2 PQL	NA	NA	270 ca	NL	NL	3.98	2
319-86-8	delta-BHC	400 ###	2,000 ###	2 ###, PQL	NA	NA	NL	NL	NL	9,940	2
60-57-1	Dieldrin	40	200	NL	NA	NA	30.3 ca	4.9	NL	NL	4.9
959-98-8	Endosulfan I	470,000	6,800,000	2,000	NA	NA	NL	NL	NL	119	119
33213-65-9	Endosulfan II	470,000	6,800,000	2,000	NA	NA	NL	NL	NL	119	119
1031-07-8	Endosulfan Sulfate	470,000	6,800,000	1,000	NA	NA	NL	NL	NL	35.8	35.8
72-20-8	Endrin	23,000	340,000	600	NA	NA	1,830 n	NL	NL	10.1	10.1
7421-93-4	Endrin aldehyde	23,000 ##	340,000 ##	600 ##	NA	NA	NL	NL	NL	10.5	10.5
53494-70-5	Endrin ketone	23,000 ##	340,000 ##	600 ##	NA	NA	NL	NL	NL	NL	600
58-89-9	gamma-BHC (Lindane)	400	2,000	2 PQL	NA	NA	516 ca	NL	NL	5	2
5103-74-2	gamma-Chlordane	200	1,000	NL	NA	NA	NL	NL	NL	224 c	200
76-44-8	Heptachlor	100	700	NL	NA	NA	108 ca	NL	NL	5.98	5.98
1024-57-3	Heptachlor epoxide	70	300	NL	NA	NA	53.3 ca	NL	NL	152	53.3
72-43-5	Methoxychlor	390,000	5,700,000	NL	NA	NA	30,600 n	NL	NL	19.9	19.9
8001-35-2	Toxaphene	600	3,000	NL	NA	NA	441 ca	NL	NL	119	119

Source:

[1] NJDEP 2008. Residential Direct Contact Health Based Criteria and Soil Remediation Standards (Last Revised 6/2008); http://www.state.nj.us/dep/srp/guidance/rs/, downloaded November 14, 2008

[2] NJDEP. 2008. Non-Residential Direct Contact Health Based Criteria and Soil Remediation Standards (Last Revised 6/2008); http://www.state.nj.us/dep/srp/guidance/rs/, downloaded November 14, 2008

Table 2-3
Soil Screening Criteria for Data Gap Analysis
Raritan Bay Slag Superfund Site
Old Bridge and Sayreville, New Jersey

CAS Number	Chemical Name	NJDEP Residential Direct Contact Soil Remediation Standard (NJRDCSRS)[1]	NJDEP Non-Residential Direct Contact Soil Remediation Standard (NJNRDCSRS)[2]	NJDEP Default Impact to Groundwater Soil Remediation Standard (NJIGWSRS)[3]	Ambient Concentrations of Extractable Metals Urban Coastal Plain[4]		Human Health Screening Level (EPA RSL)[5]	Ecological Screening Level			Screening Criteria[9]
					Median Concentration	90th Percentile Concentration		EPA EcoSSLs[6]	Soil PRGs[7]	EPA Region 5[8]	

[3] NJDEP 2008. Guidance Document, Development of Site-Specific Impact to Groundwater Soil Remediation Standards Using the Soil-Water Partition Equation (Revised December 2008); http://www.state.nj.us/dep/srp/guidance/rs/igw_intro.htm, downloaded February 3, 2009
[4] NJDEP 2003. Ambient Levels of Metals in New Jersey Soils
[5] EPA 2009. EPA Regional Screening Level (RSL) for residential soil, based on cancer risk of 1×10^{-6} and non-cancer hazard index of 0.1. December. http://www.epa.gov/region09/superfund/prg/index.html
[6] EPA Ecological Soil Screening Levels (EcoSSLs). http://www.epa.gov/ecotox/ecossl/
[7] Efroymson, R.A., G.W. Suter II, B.E. Sample, and D.S. Jones. 1997. Preliminary Remediation Goals (PRGs) for Ecological Endpoints. Prepared for the U.S. Department of Energy, Office of Environmental Management Contract No. DE-AC05-84OR21401.
[8] EPA 2003. EPA Region 5 Resource Conservation and Recovery Act (RCRA) Ecological Screening Levels.
[9] Screening criteria are the lowest values

mg/kg - milligrams per kilogram
µg/kg - microgram per kilogram
NL - not listed
NA - not applicable or not available
PQL - practical quantitation level
DL - detection limit
- criteria for PCBs
- criteria for endrin
- criteria for beta-BHC
- criteria for mixture of 2,4-dinitrotoluene and 2,6-dinitrotoluene
* - based on natural background levels as noted in NJDEP criteria
** - value for 1,3-dichloropropene

ca - value based on cancer effects
n - value based on noncancer effects
m - concentration may exceed ceiling limit
s - concentration may exceed saturation concentration
a - value for chromium (trivalent)
b - value for DDT and metabolites
c - value for chlordane
d - value for PCBs
f - value for low molecular weight polyaromatic hydrocarbons
g - value for high molecular weight polyaromatic hydrocarbons

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Table 2-4
Groundwater Screening Criteria
Raritan Bay Slag Superfund Site
Old Bridge and Sayreville, New Jersey

CAS Number	Chemical Name	7/08 NJ Groundwater Quality Standards Class IIA Water (NJ GQS)[1]	6/03 EPA National Primary Drinking Water Standards (EPA MCL)[2]	2/05 NJ Drinking Water Standards (NJ MCL)[3]	Human Health Screening Level (EPA RSL)[4]	Screening Criteria[5]
Inorganic Analytes (µg/L)						
7429-90-5	Aluminum	200	NL	200 **	3,650 n	200
7440-36-0	Antimony	6	6	6	1.46 n	1.46
7440-38-2	Arsenic	3	10	5	0.0448 ca	0.0448
7440-39-3	Barium	6,000	2,000	2,000	730 n	730
7440-41-7	Beryllium	1	4	4	7.3 n	1
7440-43-9	Cadmium	4	5	5	1.83 n	1.83
7440-70-2	Calcium	NL	NL	NL	NL	NL
7440-47-3	Chromium	70	100	100	NL	70
18540-29-9	Chromium (hexavalent)	70 ###	100 ###	100 ###	0.0431 ca	0.0431
7440-48-4	Cobalt	NL	NL	NL	1.1 n	1.1
7440-50-8	Copper	1,300	1,300 TT	1,300 [AL]*	146 n	146
57-12-5	Cyanide	100	200	200	73 n	73
7439-89-6	Iron	300	NL	300 **	2,560 n	300
7439-92-1	Lead	5	15 TT	15 [AL]*	NL	5
7439-95-4	Magnesium	NL	NL	NL	NL	NL
7439-96-5	Manganese	50	NL	50 **	87.6 n	50
7439-97-6	Mercury	2	2	2	0.0565 n	0.0565
7440-02-0	Nickel	100	NL	NL	73 n	73
7440-09-7	Potassium	NL	NL	NL	NL	NL
7782-49-2	Selenium	40	50	50	18.3 n	18.3
7440-22-4	Silver	40	NL	100 **	18.3 n	18.3
7440-23-5	Sodium	50,000	NL	50,000 **	NL	50,000
7440-28-0	Thallium	2	2	2	NL	2
7440-62-2	Vanadium	NL	NL	NL	0.256 n	0.256
7440-66-6	Zinc	2,000	NL	5,000 **	1,100 n	1,100
Volatile Organic Compounds (µg/L)						
71-55-6	1,1,1-Trichloroethane	30	200	30	913 n	30
79-34-5	1,1,2,2-Tetrachloroethane	1	NL	1	0.0671 ca	0.0671
79-00-5	1,1,2-Trichloroethane	3	5	3	0.242 ca	0.242
76-13-1	1,1,2-Tricholoro-1,2,2-trifluoroethane	NL	NL	NL	5,920 n	5,920
75-34-3	1,1-Dichloroethane	50	NL	50	2.42 ca	2.42
75-35-4	1,1-Dichloroethene	1	7	2	34 n	1
87-61-6	1,2,3-Trichlorobenzene	NL	NL	NL	2.92 n	2.92
120-82-1	1,2,4-Trichlorobenzene	9	70	9	0.412 n	0.412
96-12-8	1,2-Dibromo-3-chloropropane	0.02	0.2	NL	0.000316 ca	0.000316
106-93-4	1,2-Dibromoethane	0.03	0.05	NL	0.00653 ca	0.00653
95-50-1	1,2-Dichlorobenzene	600	600	600	37 n	37
107-06-2	1,2-Dichloroethane	2	5	2	0.149 ca	0.149
78-87-5	1,2-Dichloropropane	1	5	5	0.386 ca	0.386
541-73-1	1,3-Dichlorobenzene	600	NL	600	NL	600
106-46-7	1,4-Dichlorobenzene	75	75	75	0.427 ca	0.427
78-93-3	2-Butanone	300	NL	NL	706 n	300
591-78-6	2-Hexanone	100 (ignc)+	NL	NL	4.66 n	4.66
108-10-1	4-Methyl-2-pentanone	NL	NL	NL	199 n	199
67-64-1	Acetone	6,000	NL	NL	2,180 n	2,180
71-43-2	Benzene	1	5	1	0.413 ca	0.413
74-97-5	Bromochloromethane	NL	NL	NL	NL	NL
75-27-4	Bromodichloromethane	1	80	80	0.117 ca	0.117
75-25-2	Bromoform	4	80	80	8.51 ca	4
74-83-9	Bromomethane	10	NL	NL	0.866 n	0.866
75-15-0	Carbon Disulfide	700	NL	NL	104 n	104
56-23-5	Carbon Tetrachloride	1	5	2	0.199 ca	0.199
123-91-1	1-4 Dioxane	NL	NL	NL	6.11 ca	6.11
108-90-7	Chlorobenzene	50	100	50	9.13 n	9.13
75-00-3	Chloroethane	100 (ignc)+	NL	NL	2,090 n	100
67-66-3	Chloroform	70	80	80	0.193 ca	0.193
74-87-3	Chloromethane	NL	NL	NL	18.8 n	18.8
156-59-2	cis-1,2-Dichloroethene	70	70	70	36.5 n	36.5
10061-01-5	cis-1,3-Dichloropropene	1	NL	NL	0.433 c*	0.433
110-82-7	Cyclohexane	100 (ignc)+	NL	NL	1250 n	100
124-48-1	Dibromochloromethane	1	80	80	0.147 ca	0.147

Table 2-4
Groundwater Screening Criteria
Raritan Bay Slag Superfund Site
Old Bridge and Sayreville, New Jersey

CAS Number	Chemical Name	7/08 NJ Groundwater Quality Standards Class IIA Water (NJ GQS)[1]	6/03 EPA National Primary Drinking Water Standards (EPA MCL)[2]	2/05 NJ Drinking Water Standards (NJ MCL)[3]	Human Health Screening Level (EPA RSL)[4]	Screening Criteria[5]
75-71-8	Dichlorodifluoromethane	1,000	NL	NL	39.5 n	39.5
100-41-4	Ethylbenzene	700	700	700	1.48 ca	1.48
98-82-8	Isopropylbenzene	700	NL	NL	67.9 n	67.9
79-20-9	Methyl Acetate	7,000	NL	NL	3,650 n	3,650
1634-04-4	Methyl Tert-Butyl Ether	70	NL	70	12.5 ca	12.5
108-87-2	Methylcyclohexane	NL	NL	NL	NL	NL
75-09-2	Methylene Chloride	3	5	3	4.8 ca	3
100-42-5	Styrene	100	100	100	162 n	100
127-18-4	Tetrachloroethene	1	5	1	0.108 ca	0.108
108-88-3	Toluene	600	1,000	1,000	228 n	228
156-60-5	trans-1,2-Dichloroethene	100	100	100	10.7 n	10.7
10061-02-6	trans-1,3-Dichloropropene	1	NL	NL	0.433 c*	0.433
79-01-6	Trichloroethene	1	5	1	2.01 ca	1
75-69-4	Trichlorofluoromethane	2,000	NL	NL	129 n	129
75-01-4	Vinyl Chloride	1	2	2	0.0162 ca	0.0162
1330-20-7	Xylenes (Total)	1,000	10,000	1,000	20.3 n	20.3
Semi-Volatile Organic Compounds (µg/L)						
92-52-4	1,1'-Biphenyl	400	NL	NL	183 n	183
95-94-3	1,2,4,5-Tetrachlorobenzene	NL	NL	NL	1.1 n	1.1
108-60-1	2,2'-oxybis(1-Chloropropane)	300	NL	NL	0.323 ca	0.323
95-95-4	2,4,5-Trichlorophenol	700	NL	NL	365 n	365
88-06-2	2,4,6-Trichlorophenol	20	NL	NL	3.65 n	3.65
120-83-2	2,4-Dichlorophenol	20	NL	NL	11 n	11
105-67-9	2,4-Dimethylphenol	100	NL	NL	73 n	73
51-28-5	2,4-Dinitrophenol	40	NL	NL	7.3 n	7.3
121-14-2	2,4-Dinitrotoluene	10 #	NL	NL	0.217 ca	0.217
606-20-2	2,6-Dinitrotoluene	NL	NL	NL	3.65 n	3.65
91-58-7	2-Chloronaphthalene	600	NL	NL	292 n	292
95-57-8	2-Chlorophenol	40	NL	NL	18.3 n	18.3
91-57-6	2-Methylnaphthalene	NL	NL	NL	14.6 n	14.6
95-48-7	2-Methylphenol	NL	NL	NL	183 n	183
88-74-4	2-Nitroaniline	NL	NL	NL	36.5 n	36.5
88-75-5	2-Nitrophenol	NL	NL	NL	NL	NL
91-94-1	3,3'-Dichlorobenzidine	30	NL	NL	0.149 ca	0.149
99-09-2	3-Nitroaniline	NL	NL	NL	NL	NL
534-52-1	4,6-Dinitro-2-methylphenol	NL	NL	NL	0.365 n	0.365
101-55-3	4-Bromophenyl-phenylether	NL	NL	NL	NL	NL
59-50-7	4-Chloro-3-methylphenol	NL	NL	NL	365 n	365
106-47-8	4-Chloroaniline	30	NL	NL	0.336 ca	0.336
7005-72-3	4-Chlorophenyl-phenylether	NL	NL	NL	NL	NL
106-44-5	4-Methylphenol	NL	NL	NL	18.3 n	18.3
100-01-6	4-Nitroaniline	NL	NL	NL	3.36 ca	3.36
100-02-7	4-Nitrophenol	NL	NL	NL	NL	NL
83-32-9	Acenaphthene	400	NL	NL	219 n	219
208-96-8	Acenaphthylene	NL	NL	NL	NL	NL
98-86-2	Acetophenone	700	NL	NL	365 n	365
120-12-7	Anthracene	2,000	NL	NL	1,100 n	1,100
1912-24-9	Atrazine	3	3	3	0.292 ca	0.292
100-52-7	Benzaldehyde	NL	NL	NL	365 n	365
56-55-3	Benzo(a)anthracene	0.1	NL	NL	0.0295 ca	0.0295
50-32-8	Benzo(a)pyrene	0.1	0.2	0.2	0.00295 ca	0.00295
205-99-2	Benzo(b)fluoranthene	0.2	NL	NL	0.0295 ca	0.0295
191-24-2	Benzo(g,h,i)perylene	NL	NL	NL	NL	NL
207-08-9	Benzo(k)fluoranthene	0.5	NL	NL	0.295 ca	0.295
111-91-1	bis(2-Chloroethoxy)methane	NL	NL	NL	11 n	11
111-44-4	bis(2-Chloroethyl)ether	7	NL	NL	0.0119 ca	0.0119
117-81-7	bis-(2-Ethylhexyl)phthalate	3	6	6	4.8 ca	3
85-68-7	Butylbenzylphthalate	100	NL	NL	35.4 ca	35.4
105-60-2	Caprolactam	NL	NL	NL	1,830 n	1,830
86-74-8	Carbazole	NL	NL	NL	NL	NL
218-01-9	Chrysene	5	NL	NL	2.95 ca	2.95
53-70-3	Dibenzo(a,h)anthracene	0.3	NL	NL	0.00295 ca	0.00295

Table 2-4
Groundwater Screening Criteria
Raritan Bay Slag Superfund Site
Old Bridge and Sayreville, New Jersey

CAS Number	Chemical Name	7/08 NJ Groundwater Quality Standards Class IIA Water (NJ GQS)[1]	6/03 EPA National Primary Drinking Water Standards (EPA MCL)[2]	2/05 NJ Drinking Water Standards (NJ MCL)[3]	Human Health Screening Level (EPA RSL)[4]	Screening Criteria[5]
132-64-9	Dibenzofuran	NL	NL	NL	3.65 n	3.65
84-66-2	Diethylphthalate	6,000	NL	NL	2,920 n	2,920
131-11-3	Dimethylphthalate	NL	NL	NL	NL	NL
84-74-2	Di-n-butylphthalate	700	NL	NL	365 n	365
117-84-0	Di-n-octylphthalate	100	NL	NL	NL	100
206-44-0	Fluoranthene	300	NL	NL	146 n	146
86-73-7	Fluorene	300	NL	NL	146 n	146
118-74-1	Hexachlorobenzene	0.02	1	1	0.042 ca	0.02
87-68-3	Hexachlorobutadiene	1	NL	NL	0.862 ca	0.862
77-47-4	Hexachlorocyclopentadiene	40	50	50	21.9 n	21.9
67-72-1	Hexachloroethane	7	NL	NL	3.65 n	3.65
193-39-5	Indeno(1,2,3-cd)pyrene	0.2	NL	NL	0.0295 ca	0.0295
78-59-1	Isophorone	40	NL	NL	70.8 ca	40
91-20-3	Naphthalene	300	NL	300	0.143 ca	0.143
98-95-3	Nitrobenzene	6	NL	NL	0.122 ca	0.122
621-64-7	N-Nitroso-di-n-propylamine	10	NL	NL	0.00961 ca	0.00961
86-30-6	N-Nitrosodiphenylamine	10	NL	NL	13.7 ca	10
87-86-5	Pentachlorophenol	0.1	1	1	0.56 ca	0.1
85-01-8	Phenanthrene	NL	NL	NL	NL	NL
108-95-2	Phenol	2,000	NL	NL	1,100 n	1,100
129-00-0	Pyrene	200	NL	NL	110 n	110
Pesticides/Polychlorinated Biphenyls (µg/L)						
72-54-8	4,4'-DDD	0.1	NL	NL	0.28 ca	0.1
72-55-9	4,4'-DDE	0.1	NL	NL	0.198 ca	0.1
50-29-3	4,4'-DDT	0.1	NL	NL	0.198 ca	0.1
309-00-2	Aldrin	0.04	NL	NL	0.00396 ca	0.00396
319-84-6	alpha-BHC	0.02	NL	NL	0.0107 ca	0.0107
5103-71-9	alpha-Chlordane	0.5 ##	2 ##	0.5 ##	NL	0.5
12674-11-2	Aroclor-1016	0.5	0.5	0.5	0.256 n	0.256
11104-28-2	Aroclor-1221	0.5	0.5	0.5	0.0068 ca	0.0068
11141-16-5	Aroclor-1232	0.5	0.5	0.5	0.0068 ca	0.0068
53469-21-9	Aroclor-1242	0.5	0.5	0.5	0.0336 ca	0.0336
12672-29-6	Aroclor-1248	0.5	0.5	0.5	0.0336 ca	0.0336
11097-69-1	Aroclor-1254	0.5	0.5	0.5	0.0336 ca	0.0336
11096-82-5	Aroclor-1260	0.5	0.5	0.5	0.0336 ca	0.0336
37324-23-5	Aroclor-1262	0.5	0.5	0.5	NL	0.5
11100-14-4	Aroclor-1268	0.5	0.5	0.5	NL	0.5
319-85-7	beta-BHC	0.04	NL	NL	0.0374 ca	0.0374
319-86-8	delta-BHC	NL	NL	NL	NL	NL
60-57-1	Dieldrin	0.03	NL	NL	0.0042 ca	0.0042
959-98-8	Endosulfan I	40	NL	NL	NL	40
33213-65-9	Endosulfan II	40	NL	NL	NL	40
1031-07-8	Endosulfan Sulfate	40	NL	NL	NL	40
72-20-8	Endrin	2	2	2	1.1 n	1.1
7421-93-4	Endrin aldehyde	NL	NL	NL	NL	NL
53494-70-5	Endrin ketone	NL	NL	NL	NL	NL
58-89-9	gamma-BHC (Lindane)	0.03	0.2	0.2	0.0611 ca	0.03
5103-74-2	gamma-Chlordane	0.5 ##	2 ##	0.5 ##	NL	0.5
76-44-8	Heptachlor	0.05	0.4	0.4	0.0149 ca	0.0149
1024-57-3	Heptachlor epoxide	0.2	0.2	0.2	0.00739 ca	0.00739
72-43-5	Methoxychlor	40	40	40	18.3 n	18.3
8001-35-2	Toxaphene	2	3	3	0.0611 ca	0.0611

Source:

[1] New Jersey Ground Water Quality Standards Class IIA (NJAC 7:9C), July 7, 2008, downloaded November 13, 2008

[2] EPA National Primary Drinking Water Standards, EPA 816-F-03-016, June 2003, downloaded November 13, 2008

[3] New Jersey Drinking Water Standards, February 2005 (http://www.state.nj.us/dep/watersupply/standard.htm), downloaded November 13, 2008

[4] EPA 2009. EPA Regional Screening Level (RSL) for tap water, based on cancer risk of 1×10^{-6} and non-cancer hazard index of 0.1. December. http://www.epa.gov/region09/superfund/prg/index.html

[5] Screening criteria are the lowest values

R2-0000156

Table 2-4
Groundwater Screening Criteria
Raritan Bay Slag Superfund Site
Old Bridge and Sayreville, New Jersey

CAS Number	Chemical Name	7/08 NJ Groundwater Quality Standards Class IIA Water (NJ GQS)[1]	6/03 EPA National Primary Drinking Water Standards (EPA MCL)[2]	2/05 NJ Drinking Water Standards (NJ MCL)[3]	Human Health Screening Level (EPA RSL)[4]	Screening Criteria[5]

µg/L - micrograms per liter
NL - not listed
MCL - Maximum Contaminant Level
TT - Treatment Technique
[AL] - Action Level
ca - value based on cancer effects
n - value based on noncancer effects
m - concentration may exceed ceiling limit
s - concentration may exceed saturation concentration
+ - New Jersey Interim Specific & Generic Groundwater Quality Criteria, July 7, 2008
(ignc) - Interim Generic Non-carcinogenic Criteria provided by NJDEP (100 ppb default for noncarcinogenic synthetic organic chemical)
- criteria is for a mixture of 2,4-dinitrotoluene and 2,6-dinitrotoluene
- criteria is for chlordane
- criteria is for chromium
* - an action level is not an MCL. It is a trigger point at which remedial action is to take place.
** - secondary standards
*** - based on 1,3-dichloropropene

Table 4-1
Proposed Analyses for Environemental Media by Area
Raritan Bay Slag Site
Old Bridge and Sayreville, New Jersey

Site Area	Media	Proposed Analyses [1]	Rationale
Area 1 Laurence Harbor Seawall	Sediment	*Total metals, mercury, Cr (VI) *40% VOCs, SVOCs, Pesticides, PCBs. * 30% TOC, GS, pH	*Metals distibution in sediments *Organics in sediment related to potential releases from Areas 1, 4, and 9. *TOC, GS, and pH - adjust sediment screening criteria for pH and TOC. *GS - sediment characteristics for FS.
	Surface water	*Total and dissolved metals, mercury, Cr (VI) *40% VOCs, SVOCs, Pesticides, PCBs. *TOC, DOC, pH, chloride, hardness, alkalinity	*To support the RI, risk assessment, and further refinement of the CSM *Organics in surface water related to potential releases from Areas 1, 4, and 9. *Chemical fate and and CSM development
	Soil	*Total metals, mercury, Cr (VI) *40% VOCs, SVOCs, Pesticides, PCBs. *30% TOC, GS, pH	*Metals distibution in soil *Characterize surface soils to provide data for the RI and risk assessments.
	Groundwater	*Total metals, mercury, Cr (VI) *100% VOCs, SVOCs, Pesticides, PCBs *TOC, DOC, TSS, pH, chloride, hardness, alkalinity	*Baseline groundwater quality for FS *Organics - potential organic sources in Area 1

Table 4-1
Proposed Analyses for Environemental Media by Area
Raritan Bay Slag Site
Old Bridge and Sayreville, New Jersey

Site Area	Media	Proposed Analyses [1]	Rationale
Area 2 Laurence Harbor Beach	Sediment	*Total metals, mercury, Cr (VI) *40% VOCs, SVOCs, Pesticides, PCBs. *30% TOC, GS, pH	*Metals distibution in sediments *Organics in sediment related to potential releases from Areas 1, 4, and 9. *TOC, GS, and pH - adjust sediment screening criteria for pH and TOC. *GS - sediment characteristics for FS.
	Surface Water	*Total and dissolved metals, mercury, Cr (VI) *30% VOCs, SVOCs, Pesticides, PCBs. *TOC, DOC, pH, hardness, chloride, alkalinity	*To support the RI, risk assessment, and further refinement of the CSM *Organics related to potential releases from Areas 1, 4, 9
	Soil	*Total metals, mercury, Cr (VI) *40% VOCs, SVOCs, Pesticides, PCBs. *30% TOC, GS, pH	*Metals distibution in soil *Organics in soil related to potential releases from Areas 1, 4, and 9. *TOC and pH - adjust soil screening criteria *GS - soil characteristics for FS.
Area 3 Laurence Harbor Playground	Soil	*Total metals, mercury, Cr (VI) *40% VOCs, SVOCs, Pesticides, PCBs *30% TOC, GS, pH	*Metals distibution in soil *Organics in soil related to potential releases from Areas 1, 4, and 9. *TOC, GS, and pH - adjust soil screening criteria for pH and TOC. *GS - soil characteristics for FS.
Area 4 Old Bridge Waterfront Park	Soil	*Total metals, mercury, Cr (VI) *40% VOCs, SVOCs, Pesticides, PCBs. *30% TOC, GS, pH	*Metals distibution in soil *Organics - potential organic sources in Area 4 *TOC, GS, and pH - adjust soil screening criteria for pH and TOC. *GS - soil characteristics for FS.

Table 4-1
Proposed Analyses for Environemental Media by Area
Raritan Bay Slag Site
Old Bridge and Sayreville, New Jersey

Site Area	Media	Proposed Analyses [1]	Rationale
Area 5 Laurence Harbor Beach	Sediment	*Total metals, mercury, Cr (VI) *40% VOCs, SVOCs, Pesticides, PCBs. *30% TOC, GS, pH	*Metals distibution in sediments *Organics in sediment related to potential releases from Areas 1, 4, and 9. *TOC, GS, and pH - adjust sediment screening criteria for pH and TOC. *GS - sediment characteristics for FS.
	Surface water	*Total and dissolved metals, mercury, Cr(VI) *40% VOCs, SVOCs, Pesticides, PCBs *TOC, DOC, pH, chloride, hardness, alkalinity	*To support the RI, risk assessment, and refinement of the conceptual site model *Organics related to potential releases from Areas 1, 4, 9
	Soil	*Total metals, mercury, Cr (VI) *40% VOCs, SVOCs, Pesticides, PCBs *30% TOC, GS, pH	To characterize Area 5 surface soils and provide data for the RI and risk assessments.
Area 6 Laurence Harbor Beach	Sediment	*Total metals, mercury, Cr (VI) *40% VOCs, SVOCs, Pesticides, PCBs *30% TOC, GS, pH	*Metals distibution in sediments *Organics in sediment related to potential releases from Areas 1, 4, and 9. *TOC, GS, and pH - adjust sediment screening criteria for pH and TOC. *GS - sediment characteristics for FS.
	Surface water	*Total and dissolved metals, mercury, Cr (VI) *40% VOCs, SVOCs, Pesticides, PCBs. *TOC, DOC, pH, chloride, hardness, alkalinity	*To support the RI, risk assessment, and refinement of the conceptual site model *Organics related to potential releases from Areas 1, 4, 9
	Soil	*Total metals, mercury, Cr (VI) *40% VOCs, SVOCs, Pesticides, PCBs. *30% TOC, GS, pH	*Metals distibution in soil *Organics - potential releases from Areas 1,4, and 9 *TOC, GS, and pH - adjust soil screening criteria for pH and TOC. *GS - soil characteristics for FS.
Area 7 Cheesequake Creek Inlet	Sediment	*Total metals, mercury, Cr (VI) *40% VOCs, SVOCs, Pesticides, PCBs. *30% TOC, GS, pH	*Metals distibution in sediments. *Evaluate potential organics contamination in sediment related to potential releases from Areas 1, 4, and 9. *TOC, GS, and pH - adjust sediment screening criteria for pH and TOC. *GS - sediment characteristics for FS.

Table 4-1
Proposed Analyses for Environemental Media by Area
Raritan Bay Slag Site
Old Bridge and Sayreville, New Jersey

Site Area	Media	Proposed Analyses [1]	Rationale
	Surface water	*Total and dissolved metals, mercury, Cr (VI) *40% VOCs, SVOCs, Pesticides, PCBs *TOC, DOC, pH, chloride, hardness, alkalinity	*To support the RI, risk assessment, and refinement of the conceptual site model *Organics related to potential releases from Areas 1, 4, 9
Area 8 Cheesequake Creek Inlet Western Jetty	Sediment	*Total metals, mercury, Cr (VI) *40% VOCs, SVOCs, Pesticides, PCBs *30% TOC, GS, pH	*Metals distibution in sediments *Evaluate potential organics contamination in sediment related to potential releases from Areas 1, 4, and 9. *TOC, GS, and pH - adjust sediment screening criteria for pH and TOC. *GS - sediment characteristics for FS.
	Surface water	*Total and dissolved metals, mercury, Cr (VI) *20% VOCs, SVOCs, Pesticides, PCBs. *TOC, DOC, pH, chloride, hardness, alkalinity	*To support the RI, risk assessment, and refinement of the conceptual site model *Organics related to potential releases from Areas 1, 4, 9
	Soil	*Total metals, mercury, Cr (VI) *40% VOCs, SVOCs, Pesticides, PCBs *30% TOC, GS, pH	To characterize Area 1 surface soils and provide data for the RI and risk assessments. *TOC, GS, and pH - adjust soil screening criteria for pH and TOC. *GS - soil characteristics for FS.

R2-0000161

Table 4-1
Proposed Analyses for Environemental Media by Area
Raritan Bay Slag Site
Old Bridge and Sayreville, New Jersey

Site Area	Media	Proposed Analyses [1]	Rationale
Area 9 [2] Margaret's Creek	Sediment	*Total metals, Mercury, Cr (VI) *100% VOCs, SVOCs, Pesticides, PCBs. *30% TOC, GS, pH	*Metals distibution in sediments *Organics - investigate potential sources in Area 9 *TOC, GS, and pH - adjust sediment screening criteria for pH and TOC. *GS - sediment characteristics for FS.
	Surface water	*Total and dissolved metals, mercury, Cr (VI) *100% VOCs, SVOCs, Pesticides, PCBs. *TOC, DOC, pH	*To support the RI, risk assessment, and refinement of the conceptual site model *Organics related to potential releases from Areas 1, 4, 9
	Soil	*Total metals, mercury, Cr(VI) *100% VOCs, SVOCs, Pesticides, PCBs. *30% TOC, GS, pH	*Metals distibution in soil *Organics - investigate potential organic sources in Area 9 *TOC, GS, and pH - adjust soil screening criteria for pH and TOC. *GS- soil characteristics for FS.
Area 10 Background	Sediment	*Total metals, mercury, Cr (VI) *VOCs, SVOCs, Pesticides, PCBs. *TOC, GS, pH	All analyses included to determine background concentrations
	Surface water	*Total and dissolved metals, mercury, Cr (VI) *VOCs, SVOCs, Pesticides, PCBs *TOC, DOC, pH, chloride, hardness, alkalinity	All analyses included to determine background concentrations
	Soil	*Total metals, mercury, Cr (VI) *VOCs, SVOCs, Pesticides, PCBs. *TOC, GS, pH	All analyses included to determine background concentrations
	Groundwater	*Total and dissolved metals, mercury, Cr (VI) *VOCs, SVOCs, Pesticides, PCBs. *TOC, DOC, pH *TSS, chloride, hardness, alkalinity	All analyses included to determine background concentrations

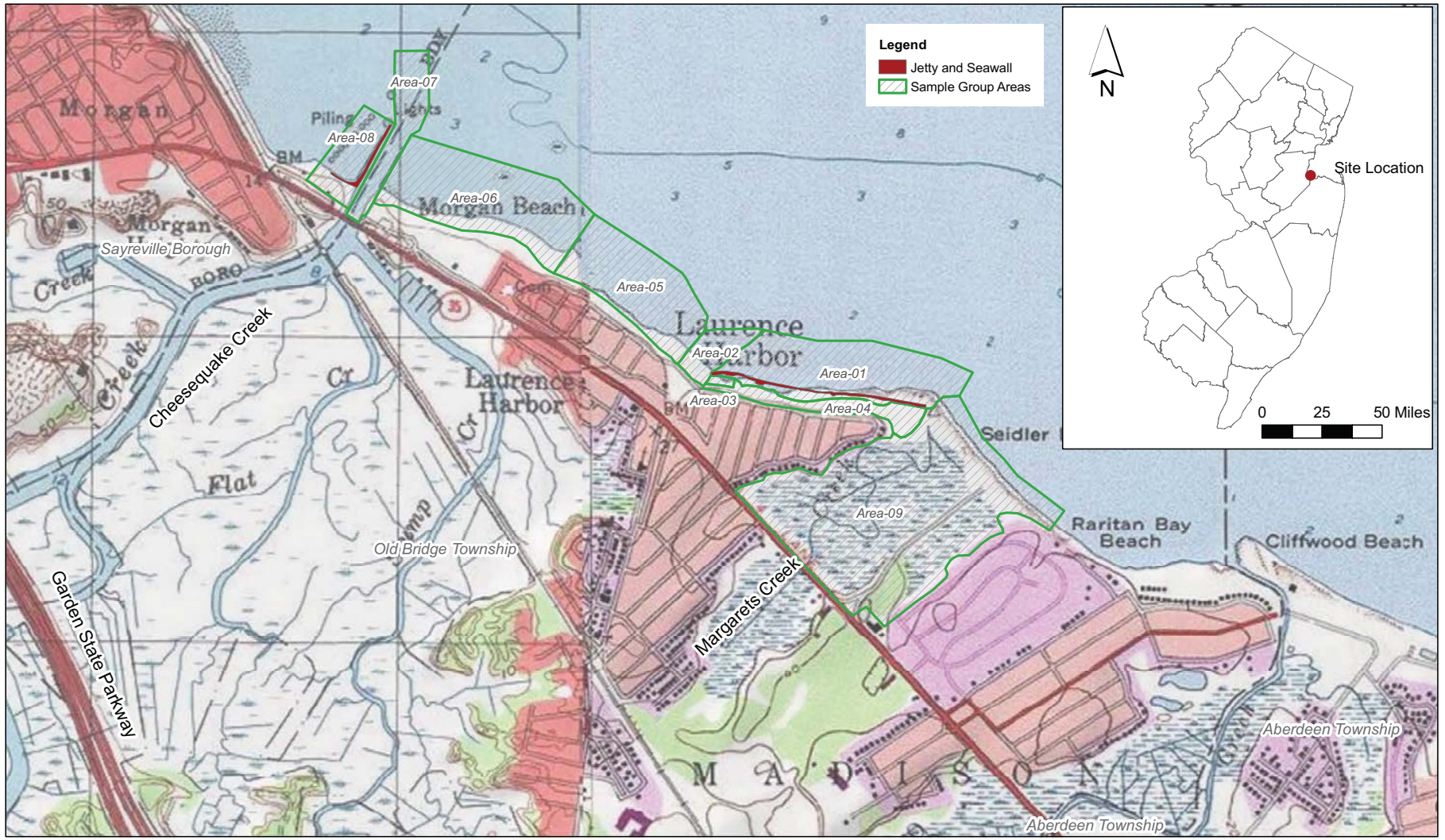
Table 4-1
Proposed Analyses for Environemental Media by Area
Raritan Bay Slag Site
Old Bridge and Sayreville, New Jersey

Site Area	Media	Proposed Analyses [1]	Rationale
Area 11 Depositional Areas	Sediment	*Total metals, mercury, Cr (VI) *40% VOCs, SVOCs, Pesticides, PCBs. *30% TOC, GS, pH	*Metals distibution in sediments. *Organic contamination in sediment related to potential releases from Areas 1, 4, and 9. *TOC, GS, and pH - adjust sediment screening criteria for pH and TOC. *GS - sediment characteristics for FS.
	Surface water	*Total and dissolved metals, mercury, Cr (VI) *40% VOCs, SVOCs, Pesticides, PCBs *TOC, DOC, pH, chloride, hardness, alkalinity	*To support the RI, risk assessment, and refinement of the conceptual site model *Organics related to potential releases from Areas 1, 4, 9
	Soil	*Total metals, mercury, Cr (VI) *40% VOCs, SVOCs, Pesticides, PCBs. *30% TOC, GS, pH	*Metals distibution in soils *Organics in soils related to potential releases from Areas 1, 4, and 9. *TOC, GS, and pH - adjust soil screening criteria for pH and TOC. *GS - soil characteristics for FS.

1 - All aqueous samples will include field measurments for temperature, ph, DO, turbidity, Eh, and conductivity.
2- Groundwater sampling program for Area 9 will be determined after soil, sediment, and surface water samples are collected.

Cr (VI) - Hexavalent chromium
DO - Dissolved oxygen
DOC - Dissolved organic carbon
Eh- Oxidation/reduction potential
FS - Feasibility study
GS - Grain size distribution
PCBs - Polychlorinated biphenyls
RI - Remedial investigation
SVOCs - semivolatile organic compounds
TOC - Total organic carbon
TSS - Total suspended solids
VOC - volatile organic compound

Figure_1-1_Site_Map.mxd



Source: USGS Topographic Quadrangle

Figure 1-1
Site Map
Raritan Bay Slag Site
Old Bridge and Sayerville, New Jersey
CDM

R2-0000164

Figure_1-2_Surficial_Geologic_Map.mxd

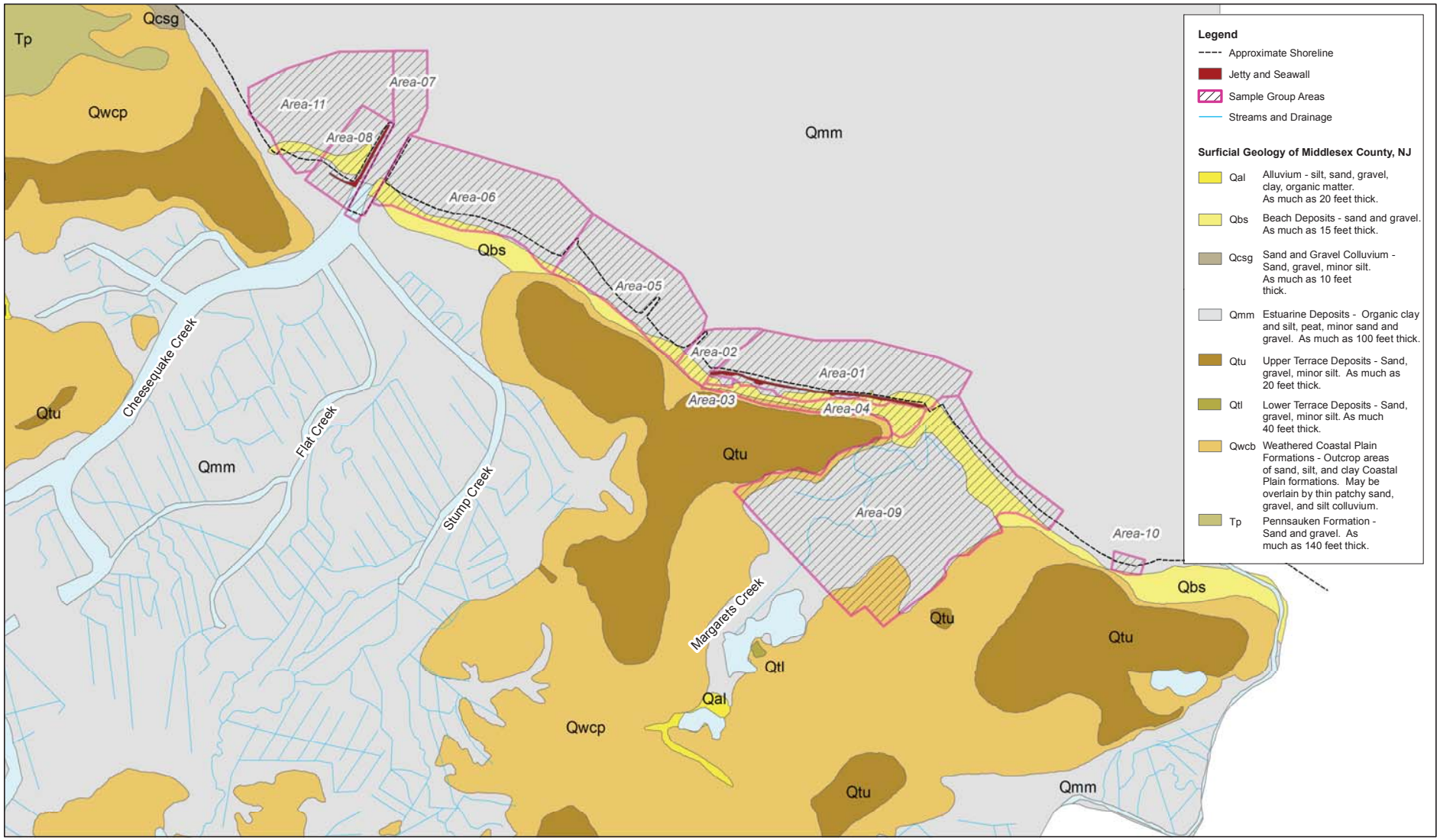
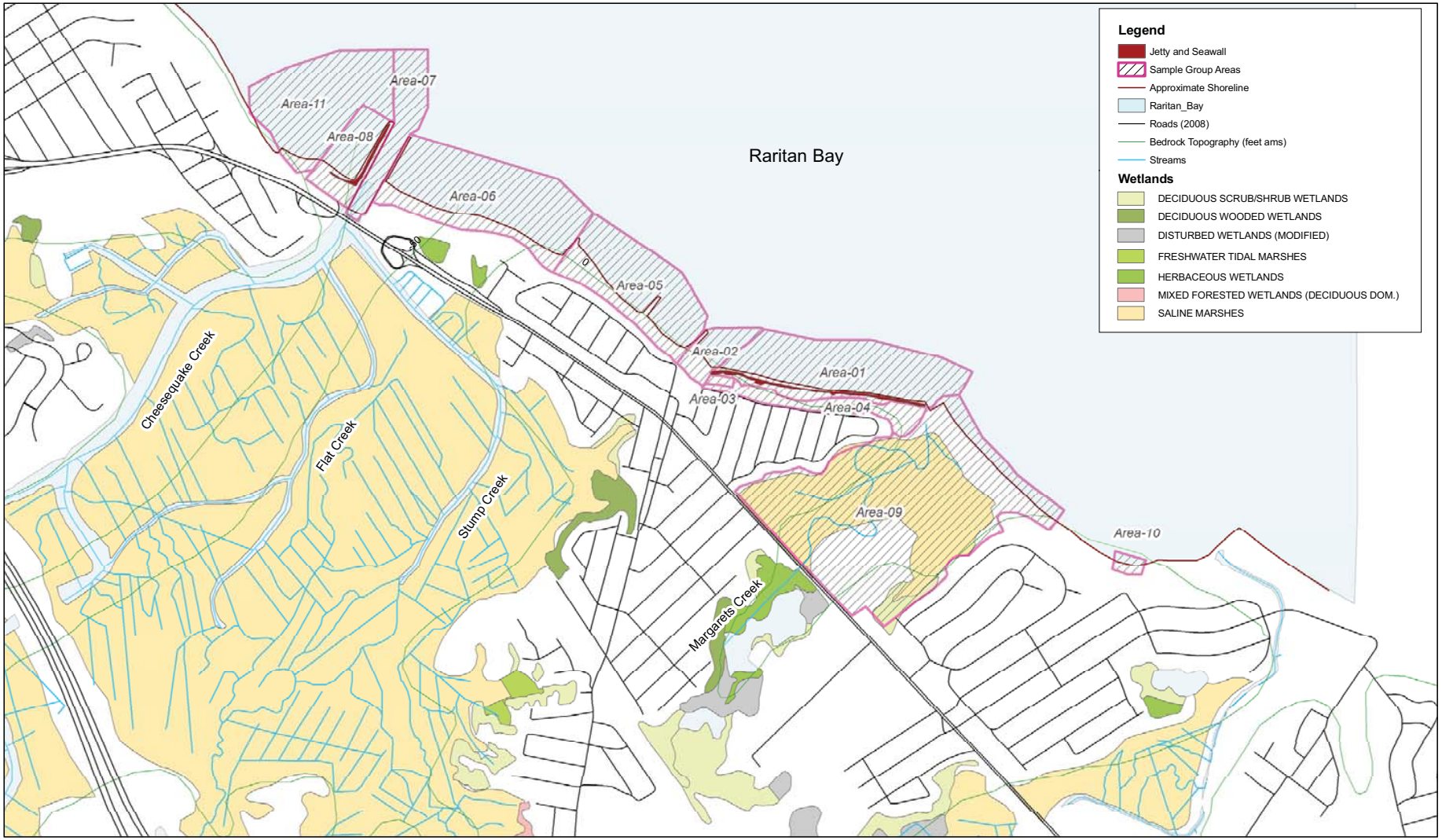


Figure 1-2
Surficial Geologic Map
Raritan Bay Slag Site
Old Bridge and Sayerville, New Jersey

Geologic Data Source: Stanford 1996

Figure_1-3_Wetlands_Map.mxd



Wetlands Data Source: NJDEP 1991

Figure 1-3
Wetlands Map
Raritan Bay Slag Site
Old Bridge and Sayerville, New Jersey
CDM

R2-0000166

Figure 4-1
Preliminary Conceptual Site Model
Rartian Bay Slag Site

Legend

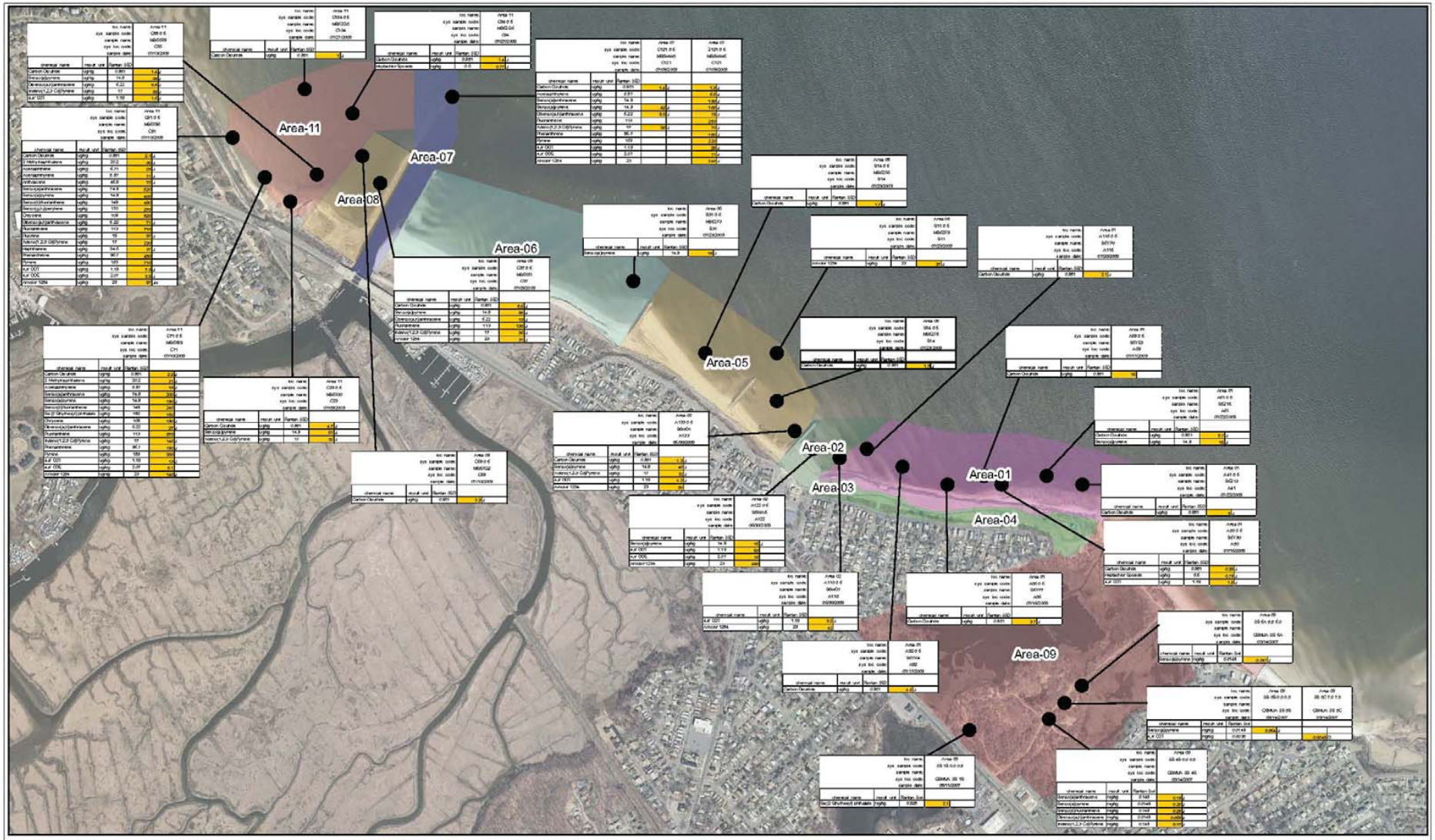
- Background Sample Locations

0 1,000 2,000 4,000 Feet

N
W E
S

Figure 4-1a
Background Sample Locations
Rartian Bay Slag Site
Old Bridge, NJ

R2-0000168



Legend

- Sample result exceeded organics screening criteria

CDM

Note: Locations are shown where sample result (sediment or soil) exceeded the screening criteria for one or more analytes in the following classes: VOCs, SVOCs, pesticides, PCBs.

0 265 530 1,060 1,590 2,120 Feet

N

Figure 4-1b
Exceedances of Organic Analyte Screening Criteria
Rartian Bay Slag Site
Old Bridge and Sayerville, NJ

Figure 4-2
Area 1
Lead and Arsenic Concentration in Sediment
0 - 12 Inches
Raritan Bay Slag Site
Old Bridge, New Jersey

Figure 4-3
Area 1
Lead and Arsenic Concentration in Sediment
12 - 24 Inches
Raritan Bay Slag Site
Old Bridge, New Jersey

Figure 4-4
Area 1
Dissolved Lead and Arsenic Concentration in Surface Water
Raritan Bay Slag Site
Old Bridge, New Jersey

Figure 4-5
Area 1
Total Lead and Arsenic Concentration in Surface Water
Raritan Bay Slag Site
Old Bridge, New Jersey

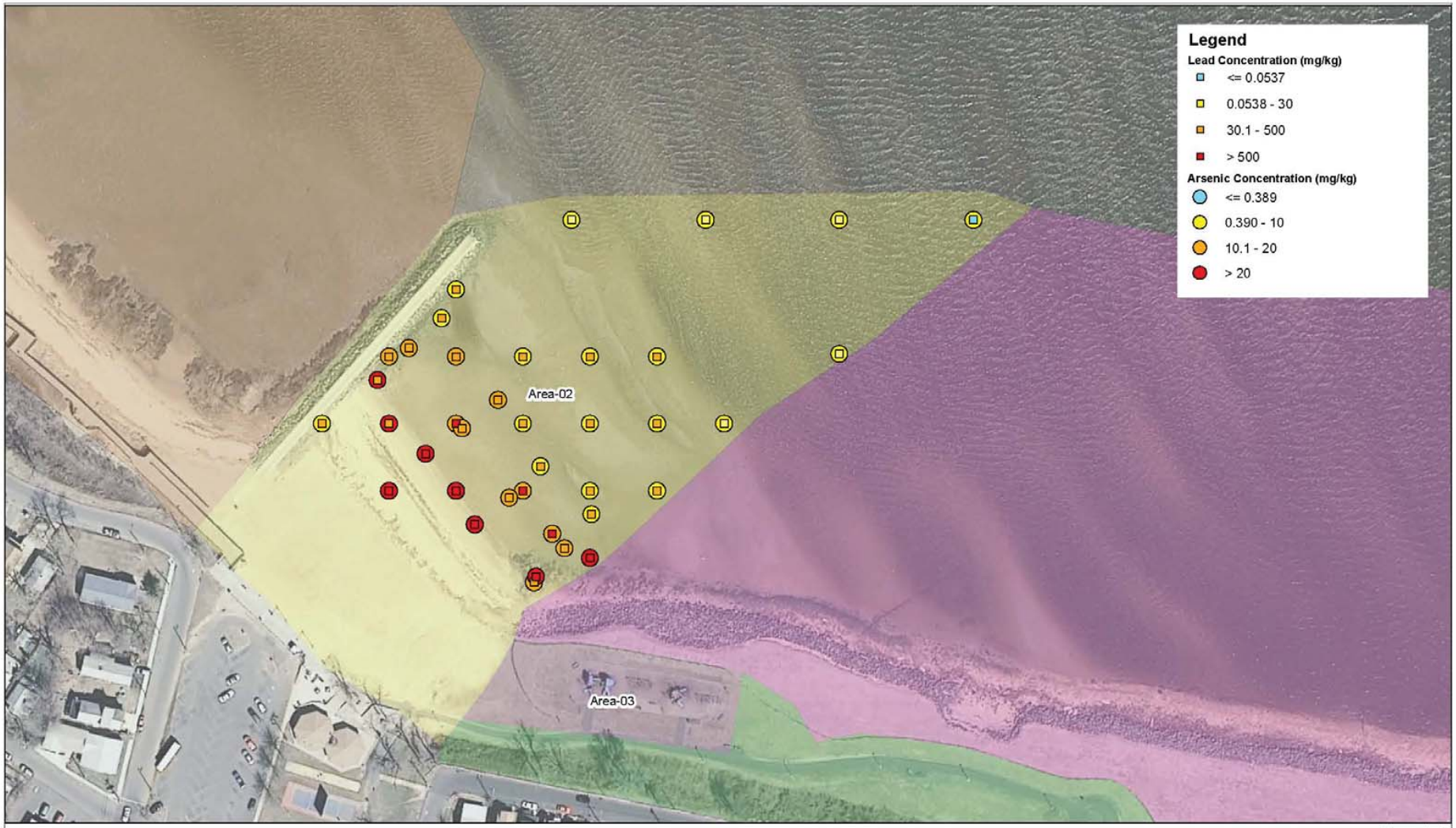


Figure 4-6
Area 2
Lead and Arsenic Concentration in Sediment
0 - 12 Inches
Raritan Bay Slag Site
Old Bridge, New Jersey

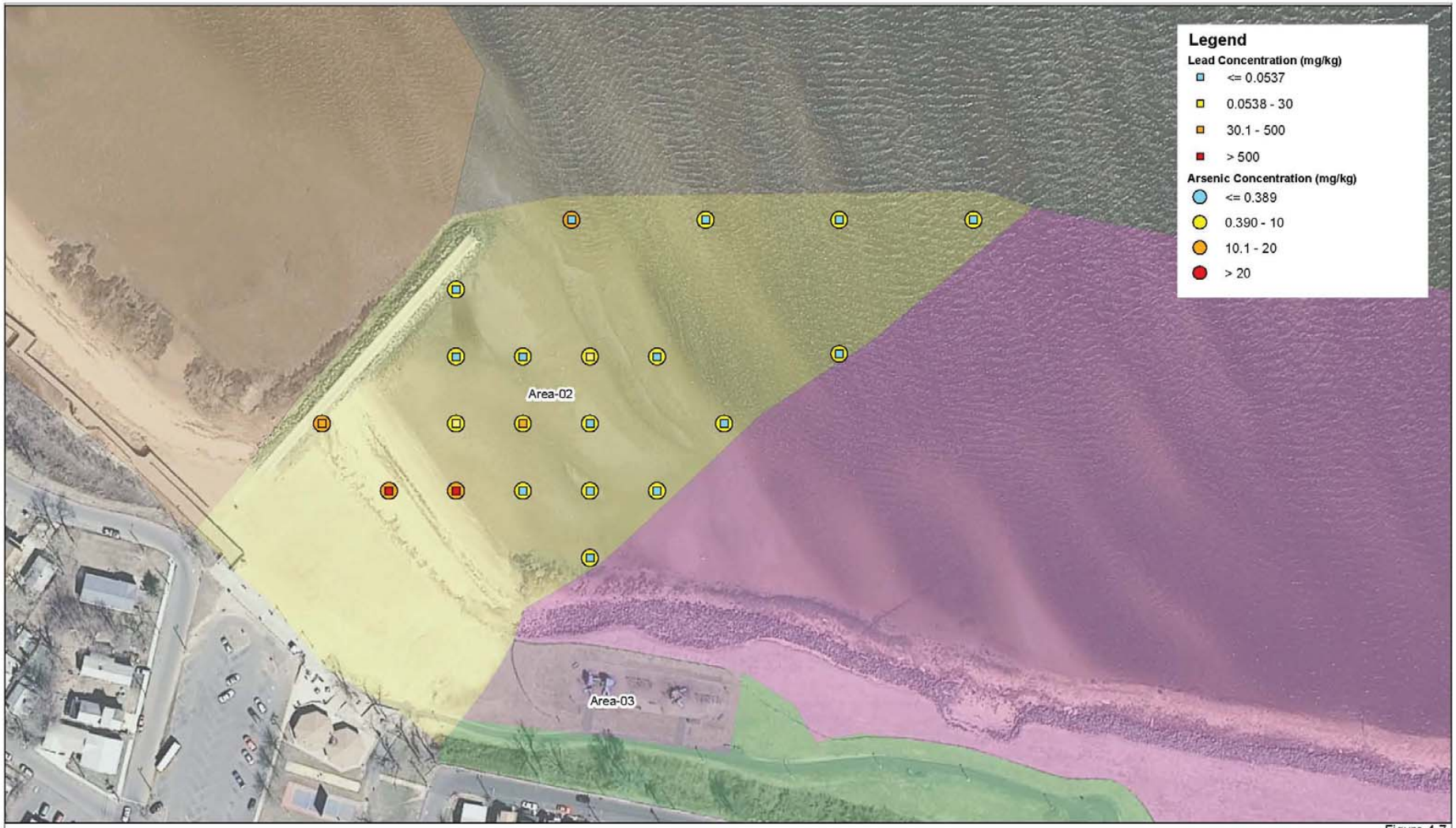


Figure 4-7
Area 2
Lead and Arsenic Concentration in Sediment
12 - 24 Inches
Raritan Bay Slag Site
Old Bridge, New Jersey

Figure 4-8
Area 2
Dissolved Lead and Arsenic Concentration in Surface Water
Raritan Bay Slag Site
Old Bridge, New Jersey

Figure 4-9
Area 2
Total Lead and Arsenic Concentration in Surface Water
Raritan Bay Slag Site
Old Bridge, New Jersey

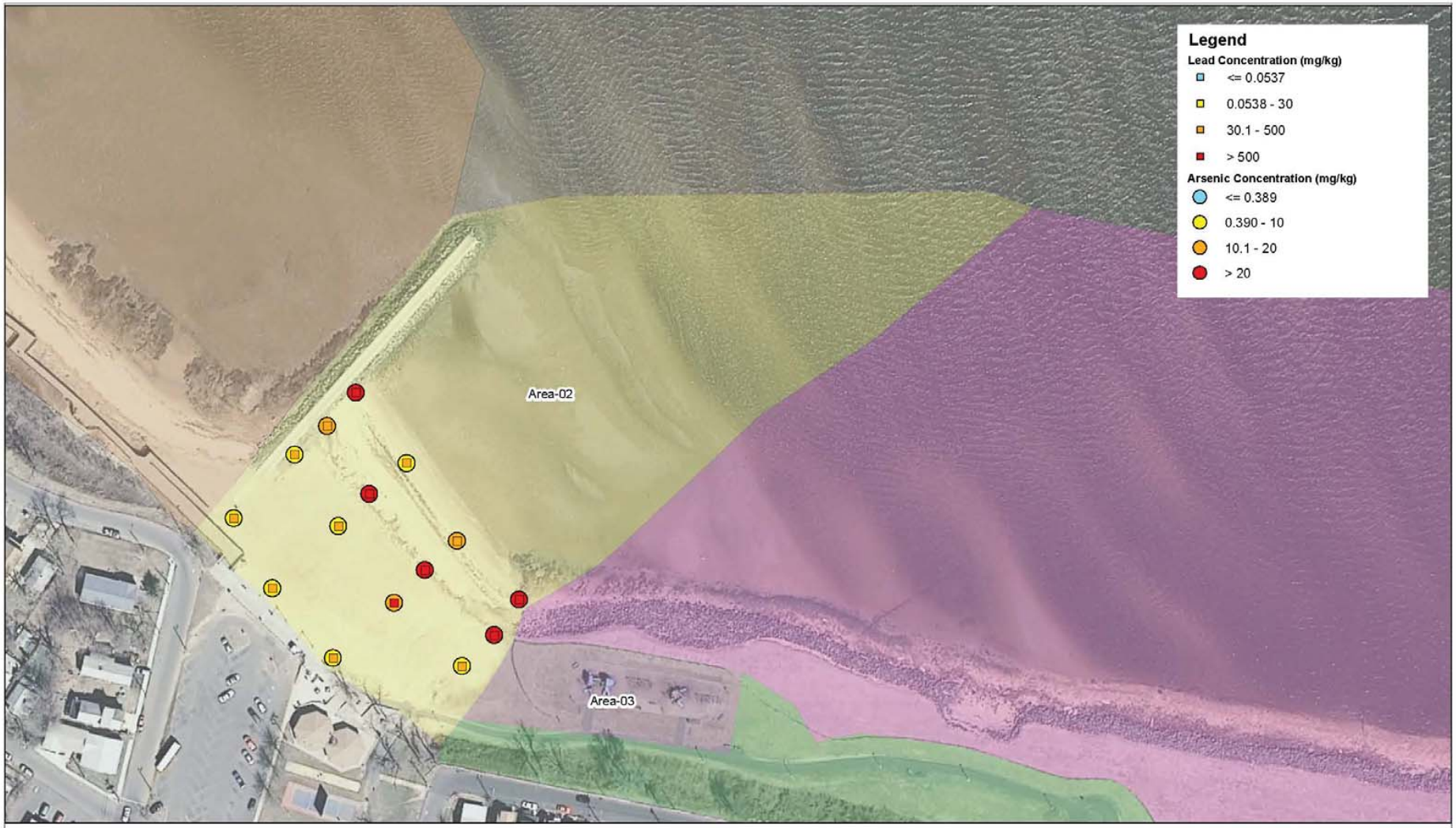


Figure 4-10
Area 2
Lead and Arsenic Concentration in Surface Soil
Raritan Bay Slag Site
Old Bridge, New Jersey

Figure 4-11
Area 3
Lead and Arsenic Concentration in Surface Soil
Raritan Bay Slag Site
Old Bridge, New Jersey

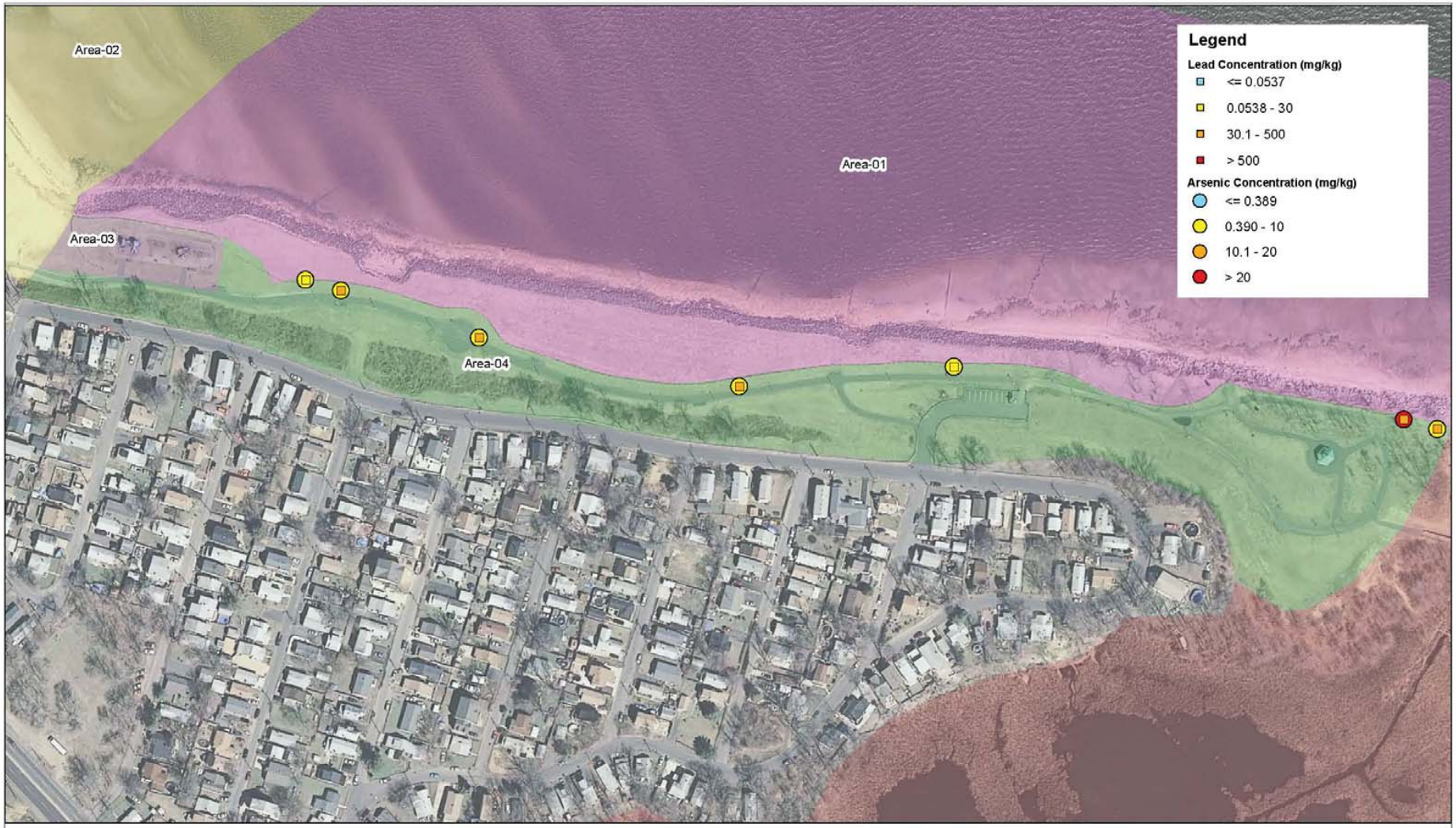


Figure 4-12
Area 4
Lead and Arsenic Concentration in Surface Soil
Raritan Bay Slag Site
Old Bridge, New Jersey

Figure 4-13
Area 5
Lead and Arsenic Concentration in Sediment
0 - 12 Inches
Raritan Bay Slag Site
Old Bridge, New Jersey

Figure 4-14
Area 5
Lead and Arsenic Concentration in Sediment
12 - 24 Inches
Raritan Bay Slag Site
Old Bridge, New Jersey

Figure 4-15
Area 5
Dissolved Lead and Arsenic Concentration in Surface Water
Raritan Bay Slag Site
Old Bridge, New Jersey

Figure 4-16
Area 5
Total Lead and Arsenic Concentration in Surface Water
Raritan Bay Slag Site
Old Bridge, New Jersey

Figure 4-17
Area 5
Lead and Arsenic Concentration in Surface Soil
Raritan Bay Slag Site
Old Bridge, New Jersey

Figure 4-18
Area 6
Lead and Arsenic Concentration in Sediment
0 - 12 Inches
Raritan Bay Slag Site
Old Bridge, New Jersey

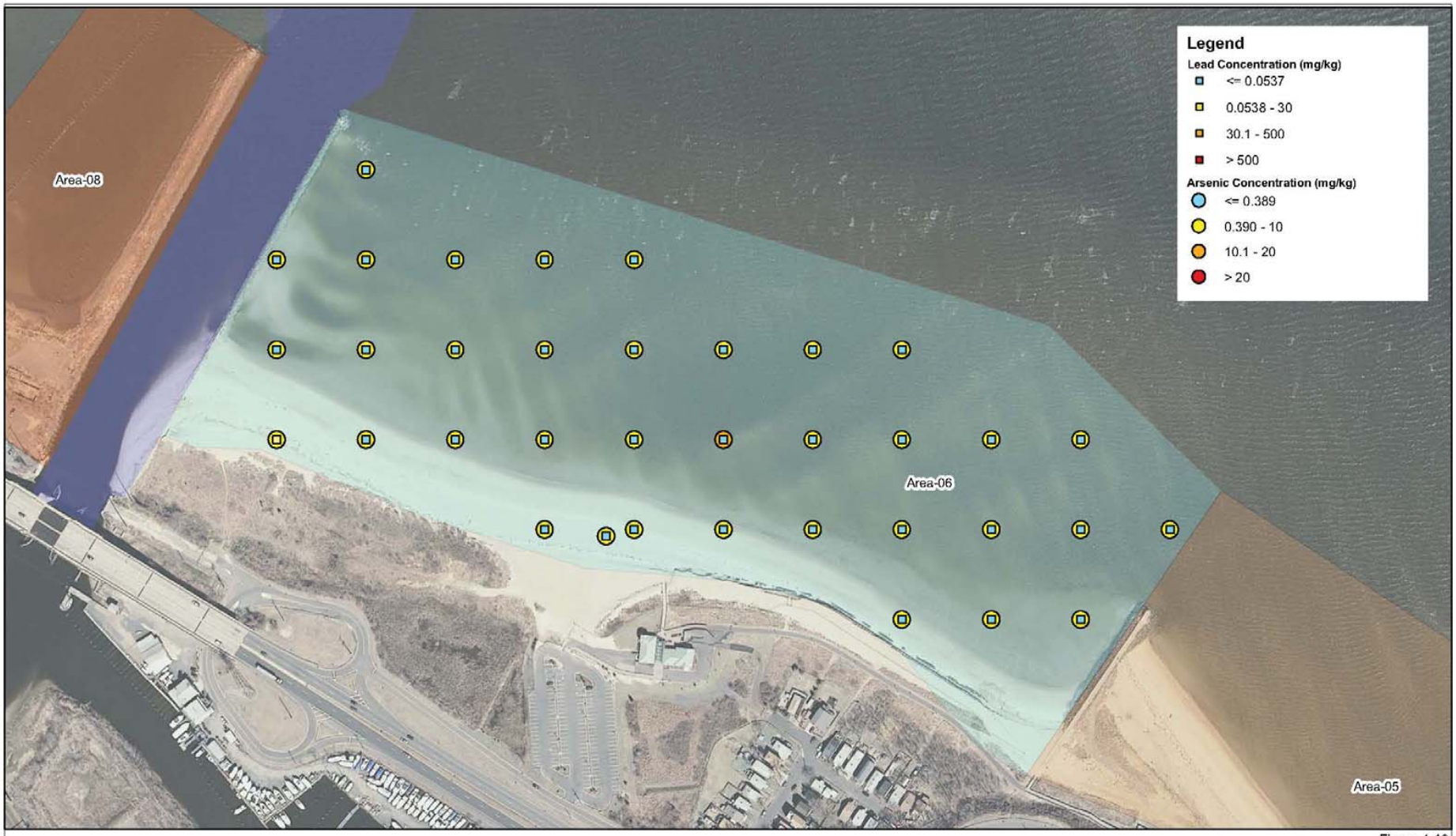


Figure 4-19
Area 6
Lead and Arsenic Concentration in Sediment
12 - 24 Inches
Raritan Bay Slag Site
Old Bridge, New Jersey

Figure 4-20
Area 6
Dissolved Lead and Arsenic Concentration in Surface Water
Raritan Bay Slag Site
Old Bridge, New Jersey

Figure 4-21
Area 6
Total Lead and Arsenic Concentration in Surface Water
Raritan Bay Slag Site
Old Bridge, New Jersey

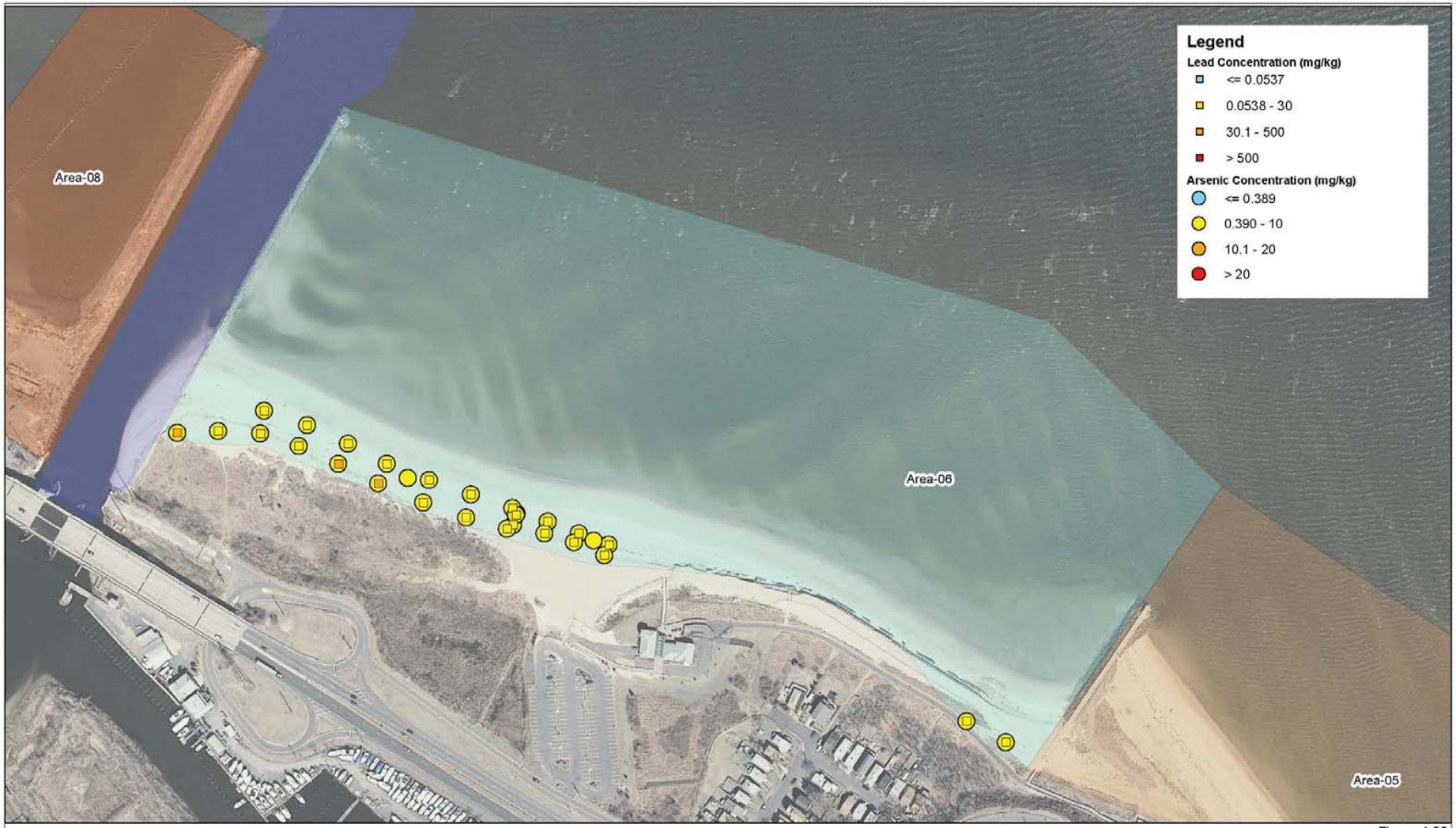


Figure 4-22
Area 6
Lead and Arsenic Concentration in Soil
0 - 12 inches
Raritan Bay Slag Site
Old Bridge, New Jersey

Figure 4-23
Area 6
Lead and Arsenic Concentration in Soil
12 - 24 Inches
Raritan Bay Slag Site
Old Bridge, New Jersey

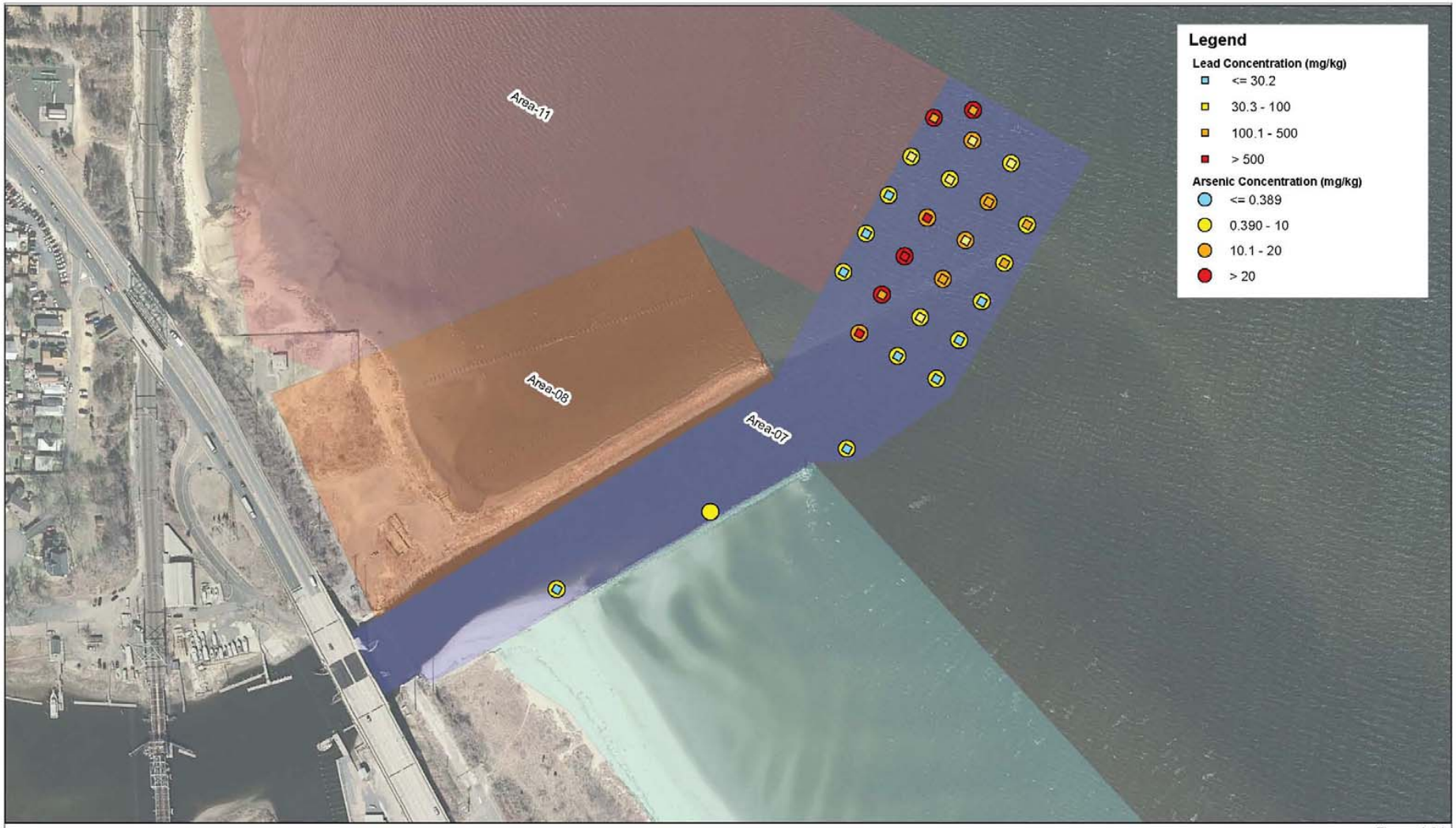


Figure 4-24
Area 7
Lead and Arsenic Concentration in Sediment
0 - 12 Inches
Raritan Bay Slag Site
Old Bridge, New Jersey

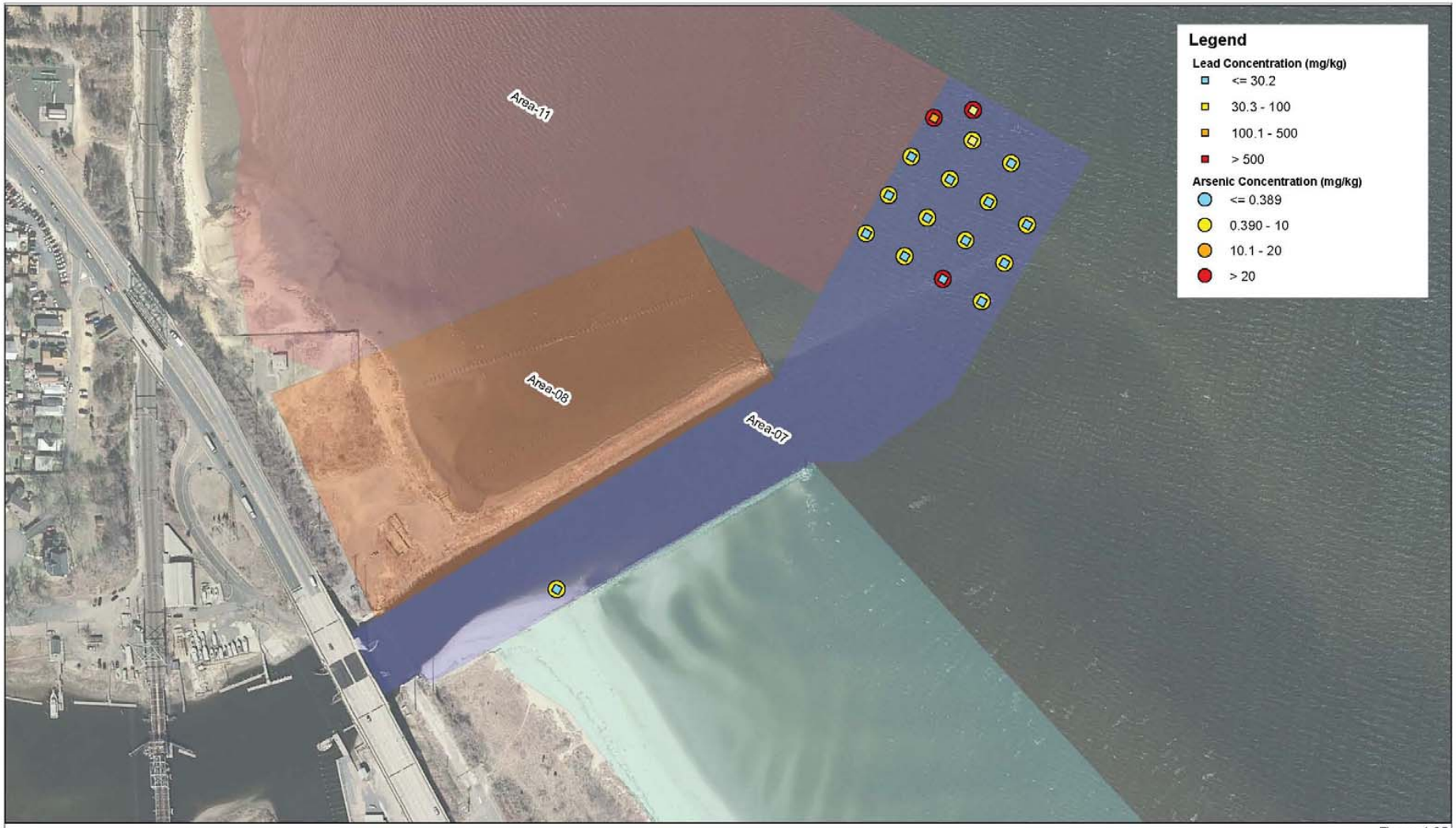


Figure 4-25
Area 7
Lead and Arsenic Concentration in Sediment
12 - 24 Inches
Raritan Bay Slag Site
Old Bridge, New Jersey

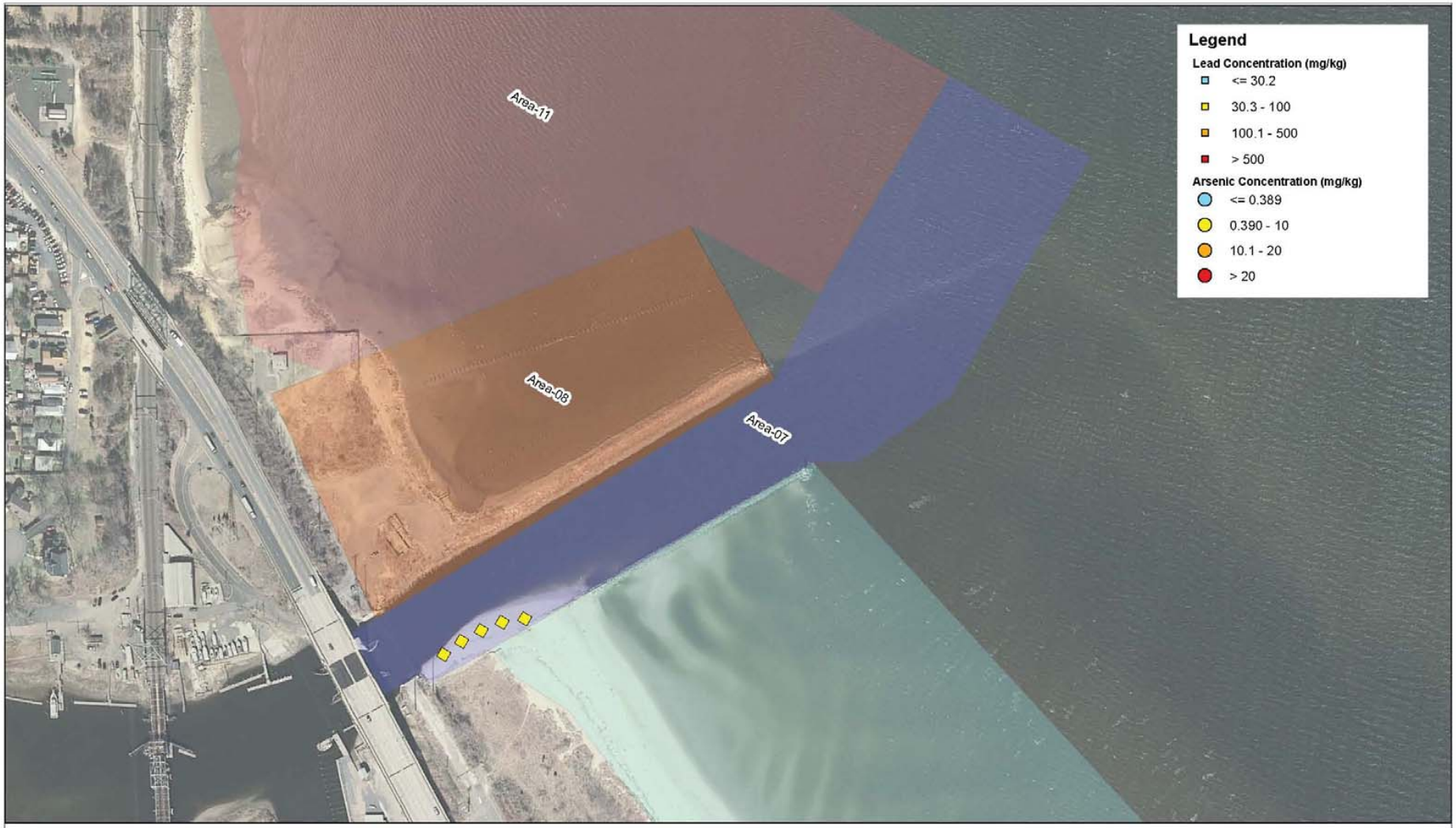


Figure 4-26
Area 7
Lead and Arsenic Concentration in Surface Soil
Raritan Bay Slag Site
Old Bridge, New Jersey

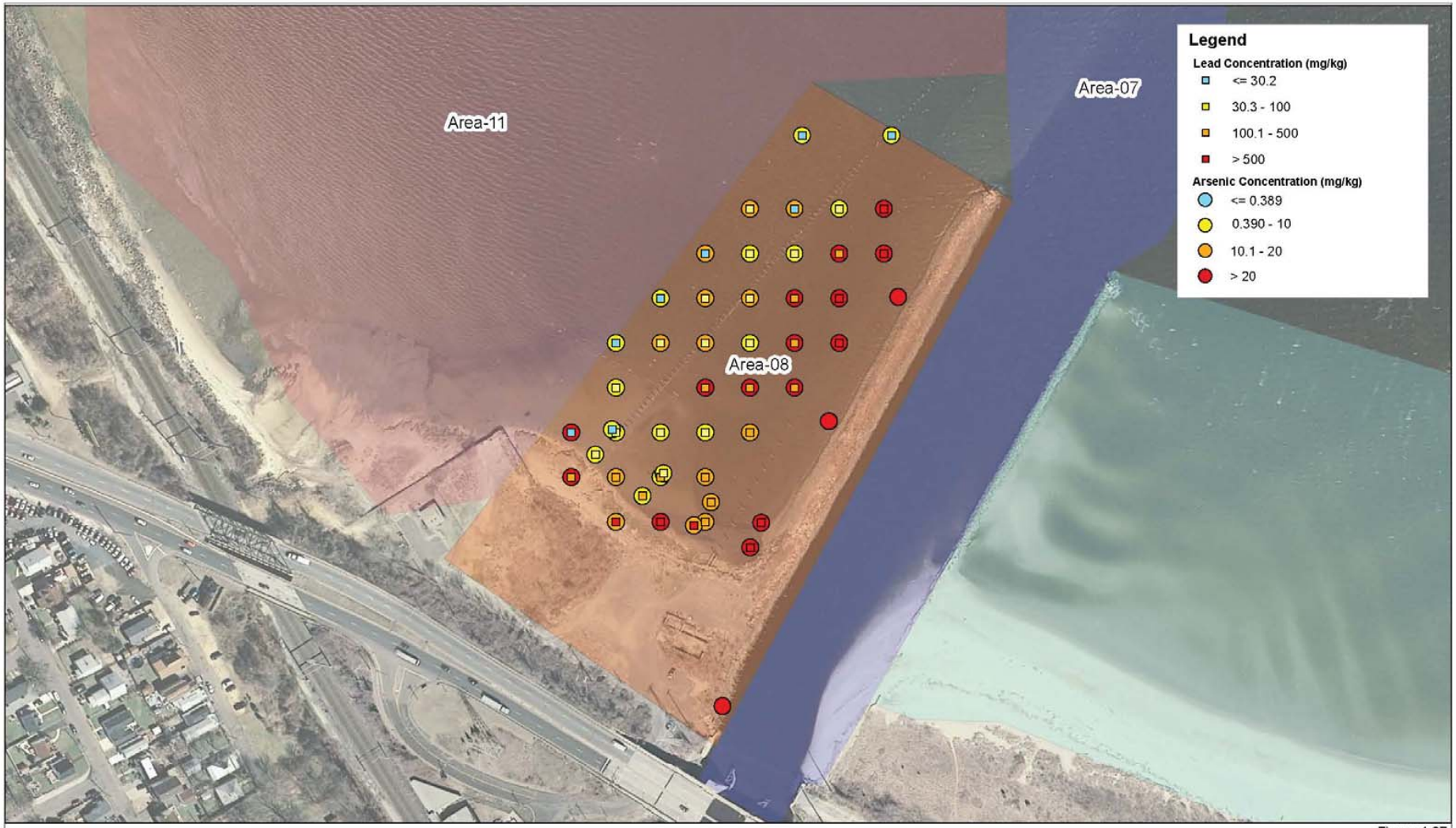


Figure 4-27
Area 8
Lead and Arsenic Concentration in Sediment
0 - 12 Inches
Raritan Bay Slag Site
Old Bridge, New Jersey

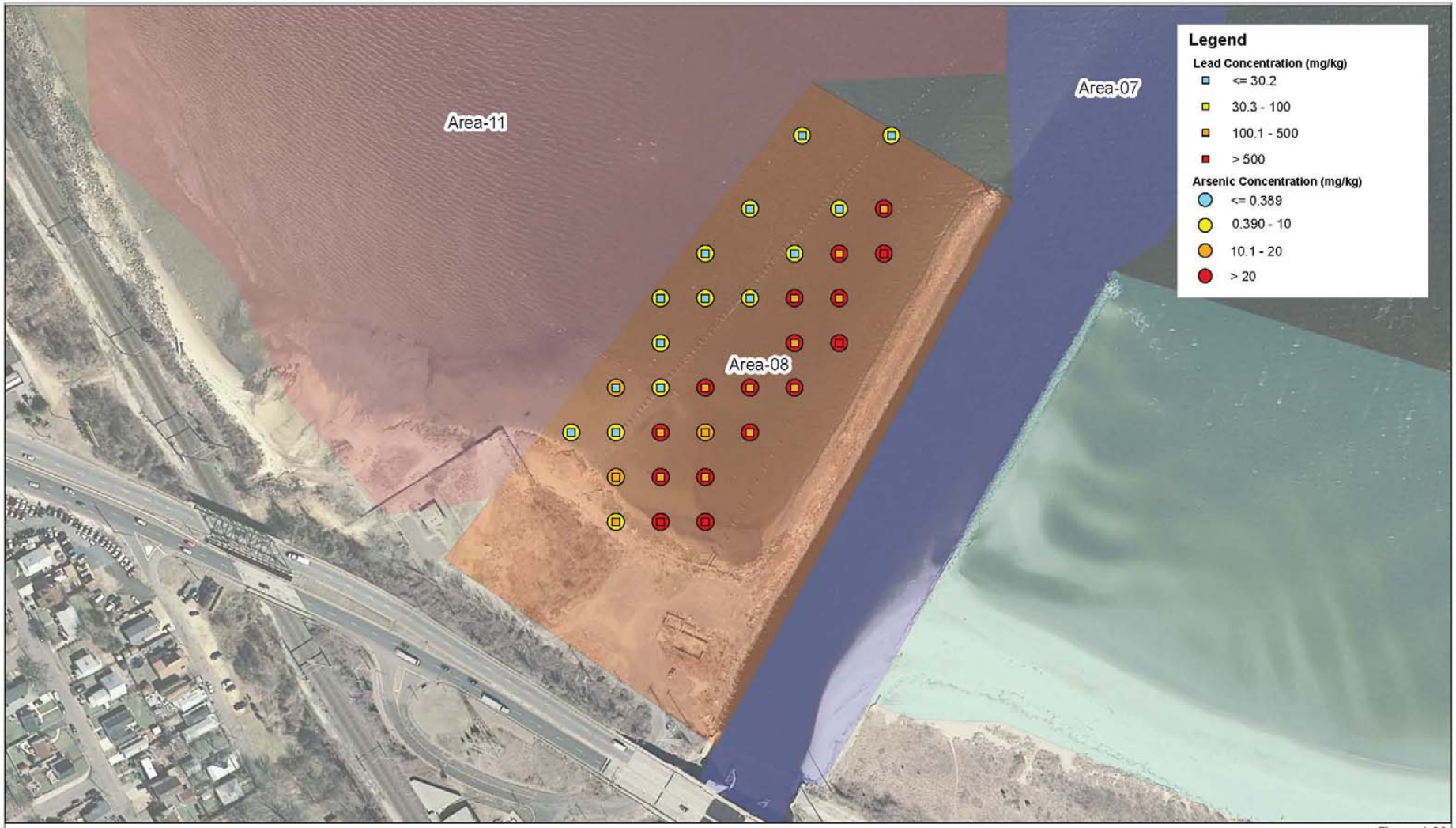


Figure 4-28
Area 8
Lead and Arsenic Concentration in Sediment
12 - 24 Inches
Raritan Bay Slag Site
Old Bridge, New Jersey

Figure 4-29
Area 8
Dissolved Lead and Arsenic Concentration in Surface Water
Raritan Bay Slag Site
Old Bridge, New Jersey

Figure 4-30
Area 8
Total Lead and Arsenic Concentration in Surface Water
Raritan Bay Slag Site
Old Bridge, New Jersey

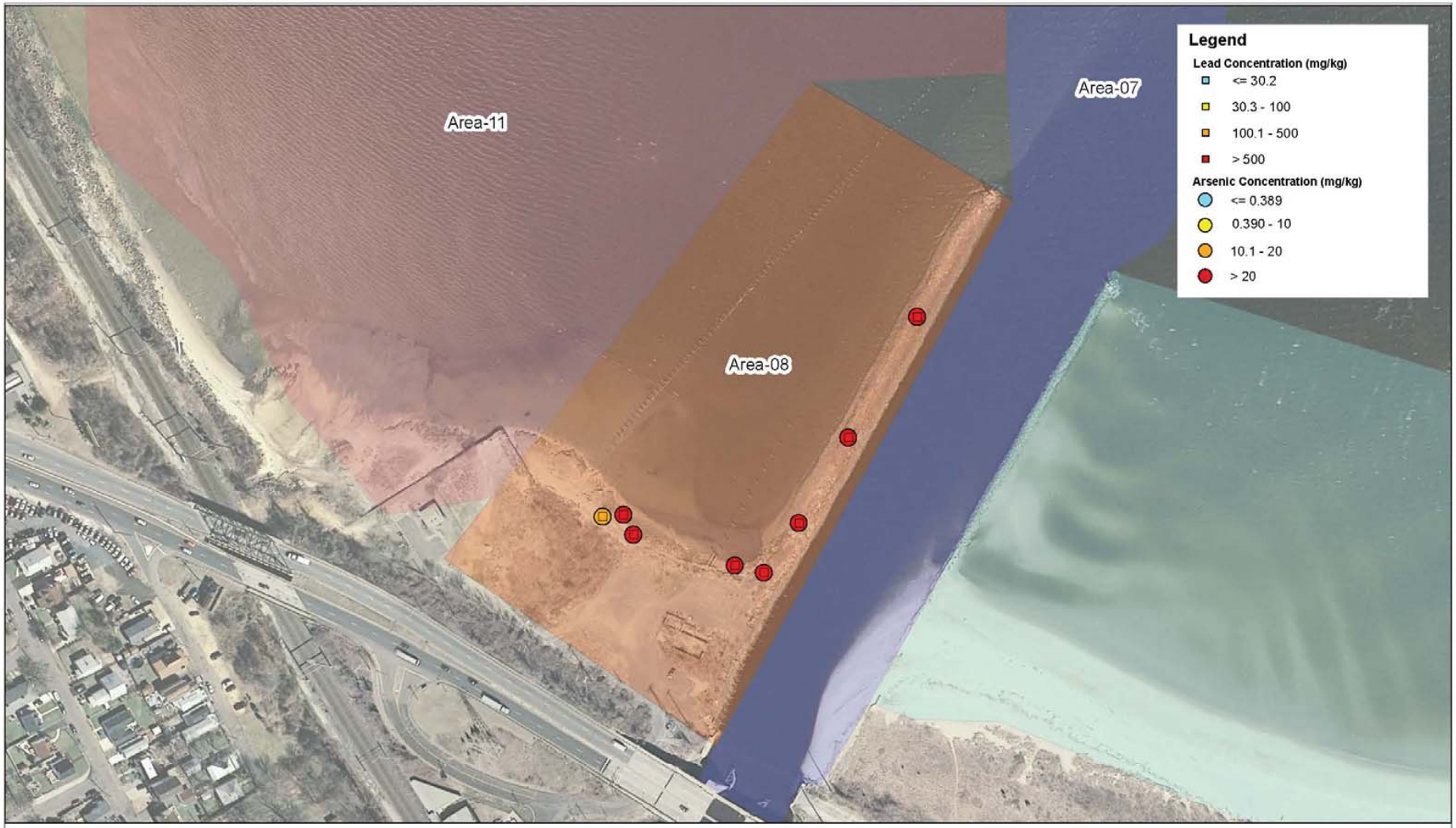


Figure 4-31
Area 8
Lead and Arsenic Concentration in Surface Soil
Raritan Bay Slag Site
Old Bridge, New Jersey

Figure 4-32
Area 9
Lead and Arsenic Concentration in Sediment
0 - 12 Inches
Raritan Bay Slag Site
Old Bridge, New Jersey

Figure 4-33
Area 9
Lead and Arsenic Concentration in Sediment
12 - 24 Inches
Raritan Bay Slag Site
Old Bridge, New Jersey

Figure 4-34
Area 9
Dissolved Lead and Arsenic Concentration in Surface Water
Raritan Bay Slag Site
Old Bridge, New Jersey

Figure 4-35
Area 9
Total Lead and Arsenic Concentration in Surface Water
Raritan Bay Slag Site
Old Bridge, New Jersey

Figure 4-36
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Lead and Arsenic Concentration in Surface Soil
Raritan Bay Slag Site
Old Bridge, New Jersey

Figure 4-37
Area 9
Lead and Arsenic Concentration in Subsurface Soil
Raritan Bay Slag Site
Old Bridge, New Jersey

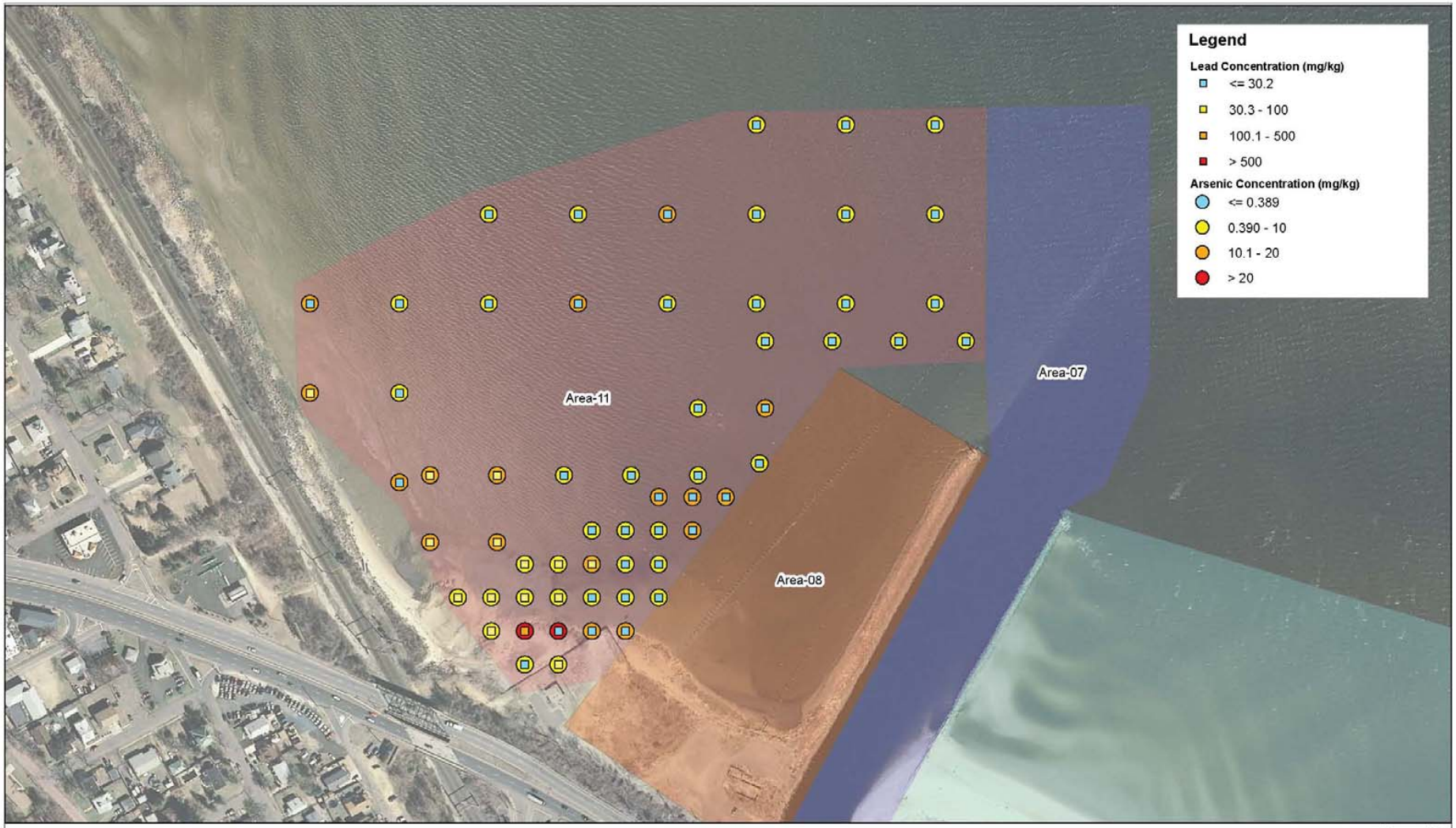

Figure 4-38
Area 11
Lead and Arsenic Concentration in Sediment
0 - 12 Inches
Raritan Bay Slag Site
Old Bridge, New Jersey

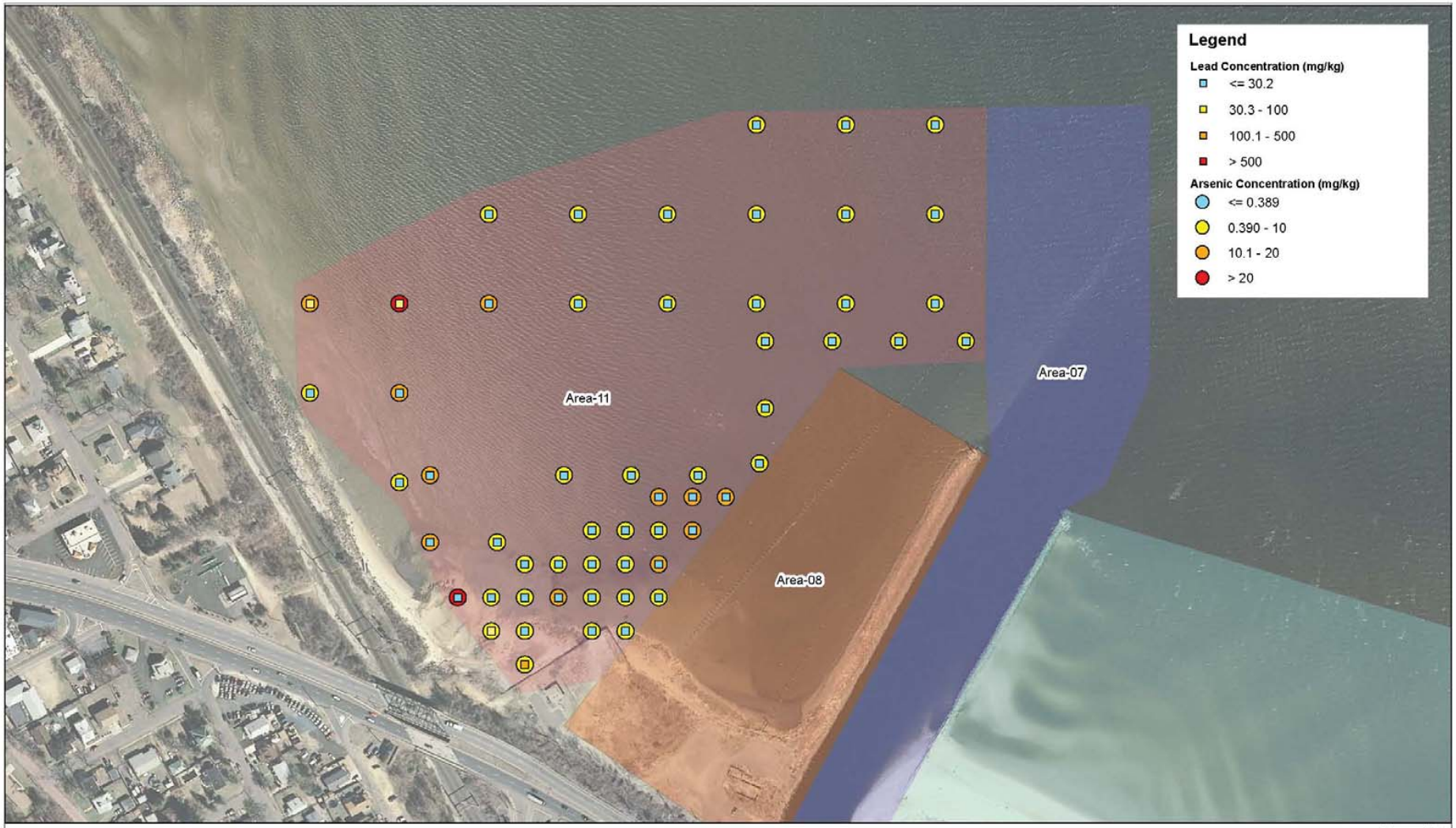

Figure 4-39
Area 11
Lead and Arsenic Concentration in Sediment
12 - 24 Inches
Raritan Bay Slag Site
Old Bridge, New Jersey

Raritan Bay Slag Superfund Site
Data Gap Technical Memorandum
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Attachment 2 - NJDEP SI Report May and July 2007
- Map I – Eastern Quadrant Sampling Locations

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- Figure 4-A – Sample Location Plan
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Attachment 13 – Description of bioavailability

Fig. 6 Sample location map.

2.3 Discussion: The detected concentrations of lead significantly exceed the Department's human health-based Soil Cleanup Criteria. Ample visual evidence of human use of the site was observed during the site investigation, including footprints, bike/ATV tracks, campsites and promiscuous dumping.

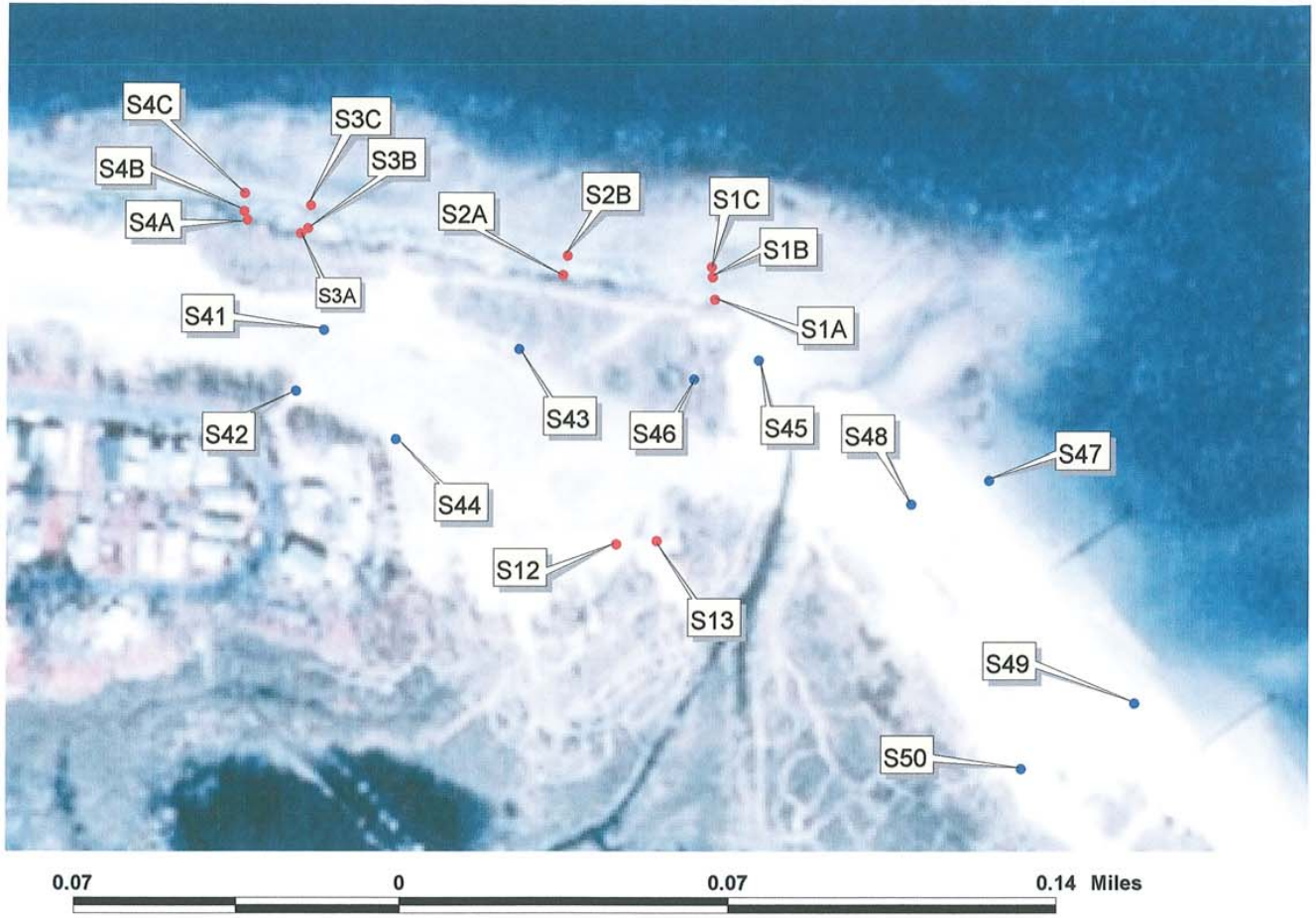
In addition, the site is situated adjacent to sensitive environmental receptors – the wetlands and open water of the Margarets Creek and Raritan Bay. The site is mapped in the Department's Geographic Information System as "Critical Emergent Wetland" and as foraging habitat for a State-threatened species: the Black-Crowned Night Heron. The proximity of the contaminated areas to wetlands and open water suggests the possibility that contamination may be or may have migrated to these receptors via overland flow in surface runoff or via groundwater.

Given the sample results and potential receptors/exposures, this information was reported to the Department's Environmental Hotline and was assigned case # 07-04-18-1110-28.

3. Recommendation. It is recommended that Green Acres not purchase this property. Old Bridge Township should be advised of the results of the site investigation and be urged to enter a Memorandum of Agreement with the Site Remediation & Waste Management Program to address the contamination. Green Acres may reconsider acquisition of the site upon receipt by the Township of a No Further Action determination by the Site Remediation & Waste Management Program.

Map I

Laurence Harbor



New Jersey Department of Environmental Protection

Site Remediation Program

Eastern Quadrant Sampling Locations

May 23, 2007
Sampling Locations

July 24, 2007
Sampling Locations

N
W
E
S

R2-0000211

NOTES

1. Base Map and proposed sewer layout from R3M Engineering, Inc. "Plan and Profile" drawings dated February 24, 2005.

2. All soil borings were performed using Geoprobe direct-push boring equipment.

3. Deep fill samples (>1' bgs) collected from soil borings SB-1A,B,C through SB-6A,B,C were laboratory analyzed for full TCL and TAL. The surficial soils at these locations were field screened for metals using X-ray fluorescence (XRF), with minimum 20% laboratory analysis for TAL metals and base-neutral semivolatile compounds.

4. Surficial soil samples B-1 (A, B, C) through B-7 (A, B, C) were field screened for metals using XRF, with minimum 20% laboratory analysis for TAL metals.

5. Surficial soil samples S-1 through S-3 were field screened for metals using XRF and laboratory analyzed for TAL metals.

6. Surfacial soil samples S-1A through S-3A were field screened with an XRF analyzer.

7. Groundwater samples collected from monitoring wells MW-1, MW-2, and MW-3 were analyzed for TCL VO+10 and TAL metals.

PLAN LEGEND

- Geotechnical Soil Boring (2003)
- Geotechnical Soil Boring (2004)
- Geotechnical Cone Penetration Test (2004)
- Soil Boring Location (May 2007)
- Soil Boring Location (May 2007)
- Surficial Soil Sample Location (0-6"; May 2007)
- Surficial Soil Sample Location (0-6"; May 2007)
- TP-1 Test Pit Location (May 2007)
- Groundwater Monitoring Well
- Existing Sewer Line
- Proposed Sewer Line and Easement Boundary

No.	Revision/Issue	Date

Graphic Scale for Plan View: 40 20 0 40 — 1 inch = 40 feet

Compass

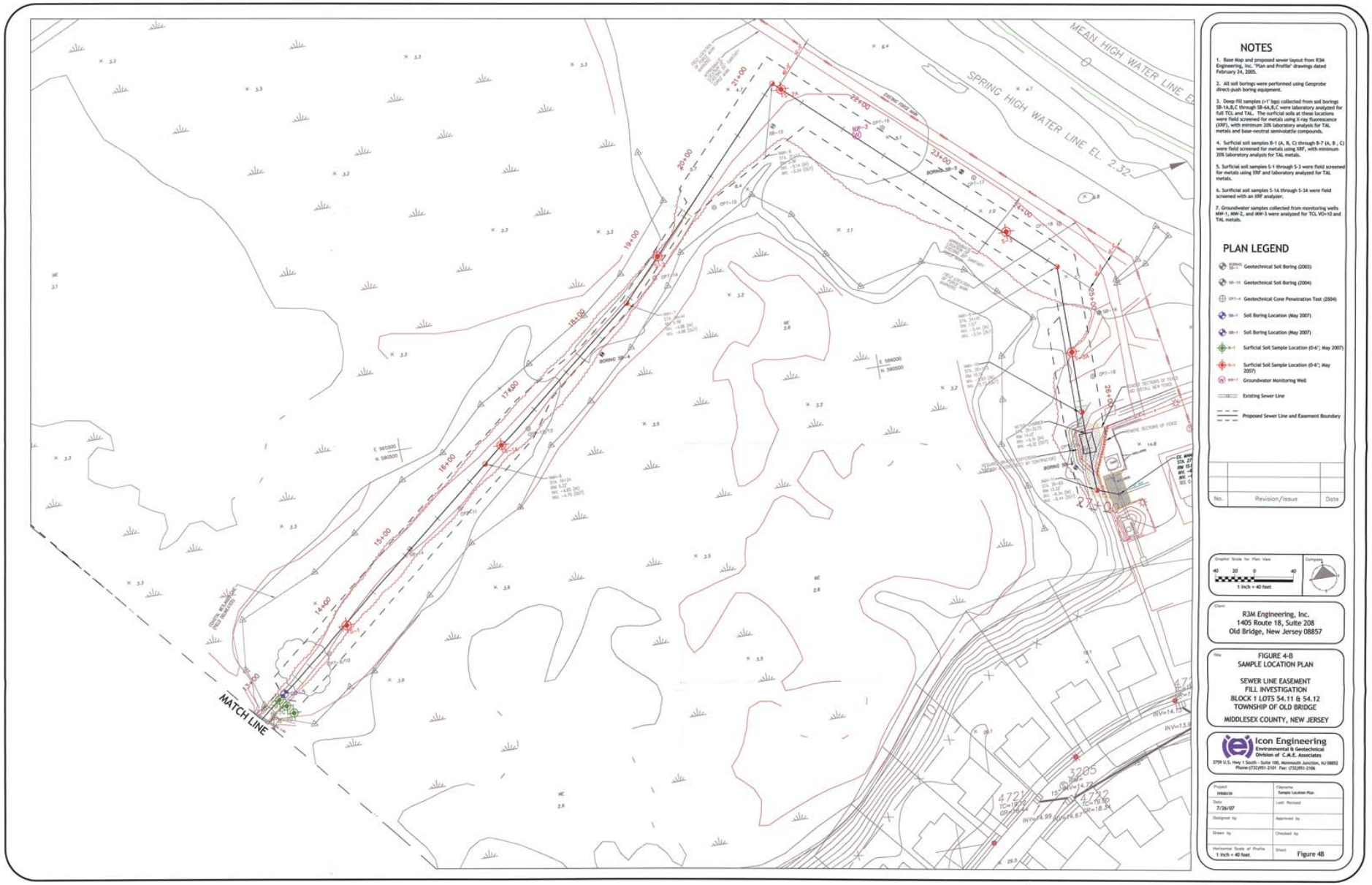
Client: R3M Engineering, Inc.
1405 Route 18, Suite 208
Old Bridge, New Jersey 08857

Title: FIGURE 4-A
SAMPLE LOCATION PLAN

SEWER LINE EASEMENT
FILL INVESTIGATION
BLOCK 1 LOTS 54.11 & 54.12
TOWNSHIP OF OLD BRIDGE
MIDDLESEX COUNTY, NEW JERSEY

Icon Engineering
Environmental & Geotechnical
Division of C.M.E. Associates
3759 U.S. Hwy 1 South - Suite 100, Monmouth Junction, NJ 08852
Phone:(732)951-2101 Fax: (732)951-2106

Project	Filename: Sample Location Plan
Date: 7/26/07	Last Revised
Designed by	Approved by
Drawn by	Checked by
Horizontal Scale of Profile: 1 inch = 40 feet	Sheet: Figure 4A



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PLAN LEGEND

- Geotechnical Soil Boring (2003)
- Geotechnical Soil Boring (2004)
- Geotechnical Cone Penetration Test (2004)
- Soil Boring Location (May 2007)
- Soil Boring Location (May 2007)
- Surficial Soil Sample Location (0-6"; May 2007)
- Surficial Soil Sample Location (0-6"; May 2007)
- Groundwater Monitoring Well
- Existing Sewer Line
- Proposed Sewer Line and Easement Boundary

No.	Revision/Issue	Date

Graphical Scale for Plan View: 40 20 0 40 — 1 Inch = 40 feet

Compass

Client
R3M Engineering, Inc.
1405 Route 18, Suite 208
Old Bridge, New Jersey 08857

Title
FIGURE 4-B
SAMPLE LOCATION PLAN

SEWER LINE EASEMENT
FILL INVESTIGATION
BLOCK 1 LOTS 54.11 & 54.12
TOWNSHIP OF OLD BRIDGE

MIDDLESEX COUNTY, NEW JERSEY

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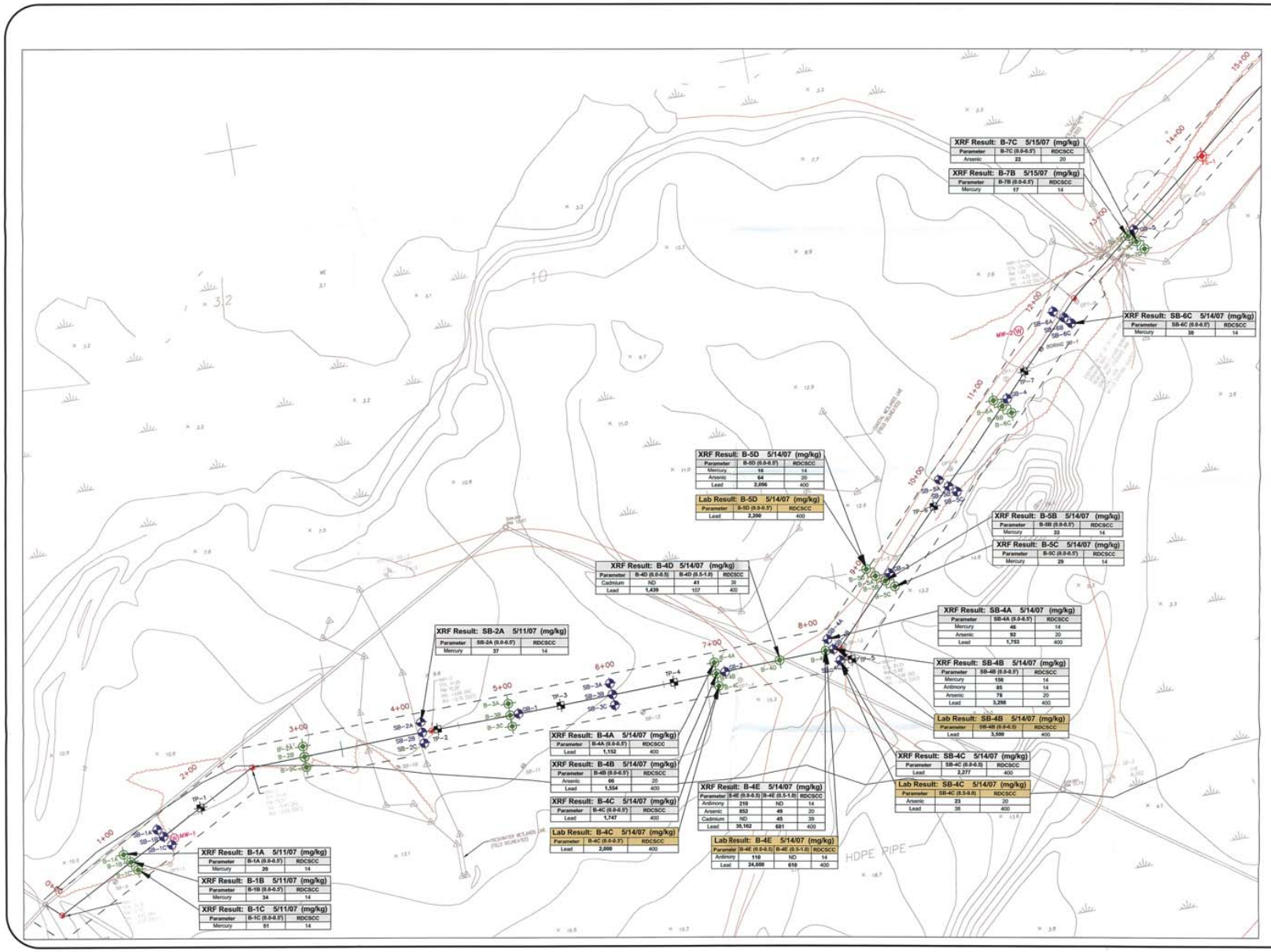
Environmental & Geotechnical
Division of C.M.E. Associates
3759 U.S. Hwy 1 South - Suite 100, Monmouth Junction, NJ 08852
Phone:(732)951-2101 Fax: (732)951-2106

Project	Filename
R980039	Sample Location Plan
Date	Last Revised
7/26/07	
Designed by	Approved by
Drawn by	Checked by
Horizontal Scale of Profile	Sheet
1 Inch = 40 feet	Figure 4B

R2-0000213



NOTES

1. Base Map and proposed sewer layout from R3M Engineering, Inc. "Plan and Profile" drawings dated February 24, 2005.

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5. Surficial soil samples S-1 through S-3 were field screened for metals using XRF and laboratory analyzed for TAL metals.

6. Groundwater samples collected from monitoring wells MW-1, MW-2, and MW-3 were analyzed for TCL VO+10 and TAL metals.

7. Results shown exceed the NJDEP Residential Direct Contact Soil Cleanup Criteria (RDCSCC).

8. Laboratory results are shown in gold. XRF Results are shown in silver.

PLAN LEGEND

- Geotechnical Soil Boring (2003)
- Geotechnical Soil Boring (2004)
- Geotechnical Cone Penetration Test (2004)
- Soil Boring Location (May 2007)
- Soil Boring Location (May 2007)
- Surficial Soil Sample Location (0-6"; May 2007)
- Surficial Soil Sample Location (0-6"; May 2007)
- Test Pit Location (May 2007)
- Groundwater Monitoring Well
- Existing Sewer Line
- Proposed Sewer Line and Easement Boundary

No.	Revision/Issue	Date

Graphic Scale for Plan View: 40 20 0 40 — 1 Inch = 40 feet

Compass

Client
R3M Engineering, Inc.
1405 Route 18, Suite 208
Old Bridge, New Jersey 08857

Title
FIGURE 6
CONTAMINANTS EXCEEDING SOIL CLEANUP CRITERIA

SEWER LINE EASEMENT
FILL INVESTIGATION
BLOCK 1 LOTS 54.11 & 54.12
TOWNSHIP OF OLD BRIDGE
MIDDLESEX COUNTY, NEW JERSEY

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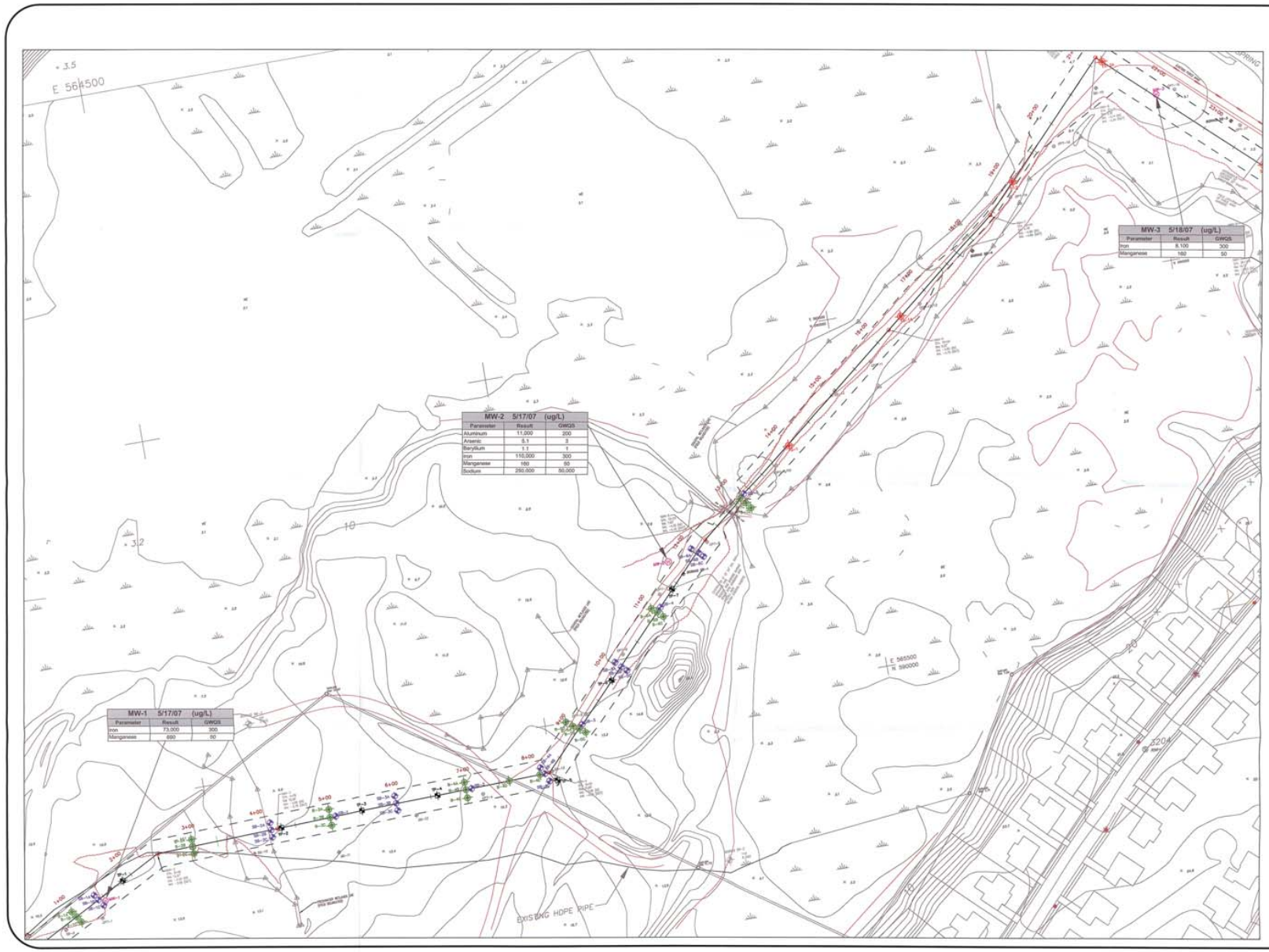
Environmental & Geotechnical
Division of C.M.E. Associates
3759 U.S. Hwy 1 South - Suite 100, Monmouth Junction, NJ 08852
Phone (732)951-2101 Fax: (732)951-2106

Project: 1106B139	Filename: Contaminants Exceeding SCC
Date: 7/26/07	Last Revised
Designed by	Approved by
Drawn by	Checked by
Horizontal Scale of Profile: 1 Inch = 40 feet	Sheet: Figure 6

R2-0000214



MW-1 5/17/07 (ug/L)		
Parameter	Result	GWQS
Iron	73,000	300
Manganese	690	50

MW-2 5/17/07 (ug/L)		
Parameter	Result	GWQS
Aluminum	11,000	200
Arsenic	5.1	3
Barylium	1.1	1
Iron	110,000	300
Manganese	160	50
Sodium	250,000	50,000

MW-3 5/18/07 (ug/L)		
Parameter	Result	GWQS
Iron	8,100	300
Manganese	160	50

NOTES

1. Base Map and proposed sewer layout from R3M Engineering, Inc. "Plan and Profile" drawings dated February 24, 2005.

2. All soil borings were performed using Geoprobe direct-push boring equipment.

3. Deep fill samples (+1' bgs) collected from soil borings SB-1A,B,C through SB-6A,B,C were laboratory analyzed for full TCL and TAL. The surficial soils at these locations were field screened for metals using X-ray fluorescence (XRF), with minimum 20% laboratory analysis for TAL metals and base-neutral semivolatile compounds.

4. Surficial soil samples B-1 (A, B, C) through B-7 (A, B, C) were field screened for metals using XRF, with minimum 20% laboratory analysis for TAL metals.

5. Surficial soil samples S-1 through S-3 were field screened for metals using XRF and laboratory analyzed for TAL metals.

6. Groundwater samples collected from monitoring wells MW-1, MW-2, and MW-3 were analyzed for TCL VO-10 and TAL metals.

7. Groundwater results shown exceed the Groundwater Quality Standards (GWQS).

PLAN LEGEND

- Geotechnical Soil Boring (2003)
- Geotechnical Soil Boring (2004)
- Geotechnical Cone Penetration Test (2004)
- Soil Boring Location (May 2007)
- Soil Boring Location (May 2007)
- Surficial Soil Sample Location (0-6'; May 2007)
- Surficial Soil Sample Location (0-6'; May 2007)
- Test Pit Location (May 2007)
- Groundwater Monitoring Well
- Existing Sewer Line
- Proposed Sewer Line and Easement Boundary

No.	Revision/Issue	Date

Graphic Scale for Plan View: 60 30 0 60 — 1 inch = 60 feet

Compass

Client
R3M Engineering, Inc.
1405 Route 18, Suite 208
Old Bridge, New Jersey 08857

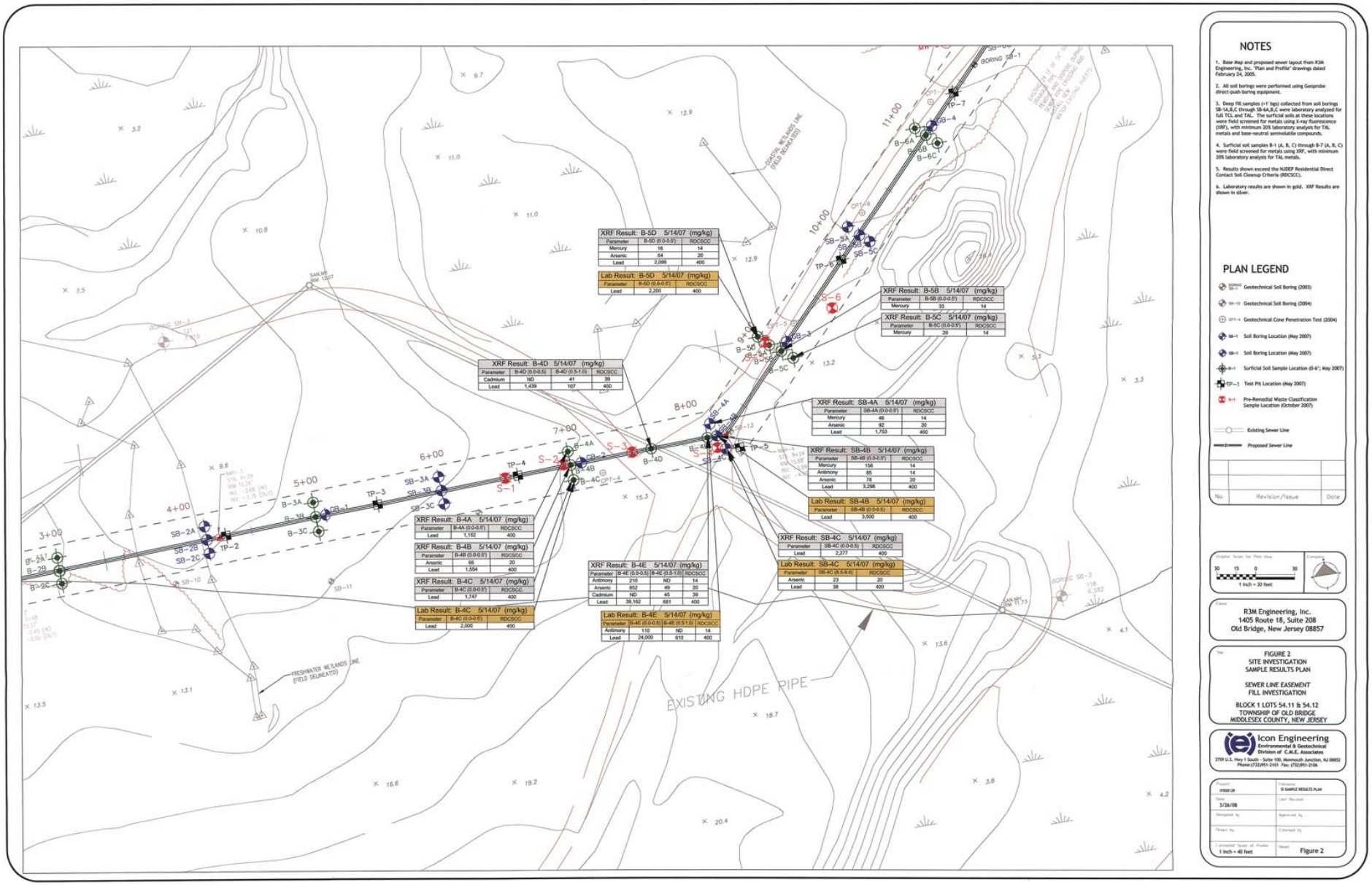
Title
FIGURE 7
CONTAMINANTS EXCEEDING
GROUNDWATER QUALITY STANDARDS

SEWER LINE EASEMENT
FILL INVESTIGATION
BLOCK 1 LOTS 54.11 & 54.12
TOWNSHIP OF OLD BRIDGE
MIDDLESEX COUNTY, NEW JERSEY

Icon Engineering
Environmental & Geotechnical
Division of C.M.E. Associates
3759 U.S. Hwy 1 South - Suite 100, Monmouth Junction, NJ 08852
Phone:(732)951-2101 Fax: (732)951-2106

Project: 1990019	Filename: Contaminants Exceeding GWQS
Date: 7/26/07	Last Revised:
Designed by:	Approved by:
Drawn by:	Checked by:
Horizontal Scale of Profile: 1 inch = 60 feet	Sheet: Figure 7

R2-0000215



NOTES

1. Base Map and proposed sewer layout from R3M Engineering, Inc. "Plan and Profile" drawings dated February 24, 2005.
2. All soil borings were performed using Geoprobe direct-push boring equipment.
3. Deep fill samples (>1' bgs) collected from soil borings SB-1A,B,C through SB-6A,B,C were laboratory analyzed for full TCL and TAL. The surficial soils at these locations were field screened for metals using X-ray fluorescence (XRF), with minimum 20% laboratory analysis for TAL metals and base-neutral semivolatile compounds.
4. Surficial soil samples B-1 (A, B, C) through B-7 (A, B, C) were field screened for metals using XRF, with minimum 20% laboratory analysis for TAL metals.
5. Results shown exceed the NJDEP Residential Direct Contact Soil Cleanup Criteria (RDCSCC).
6. Laboratory results are shown in gold. XRF Results are shown in silver.

PLAN LEGEND

- Geotechnical Soil Boring (2003)
- Geotechnical Soil Boring (2004)
- Geotechnical Cone Penetration Test (2004)
- Soil Boring Location (May 2007)
- Soil Boring Location (May 2007)
- Surficial Soil Sample Location (0-6"; May 2007)
- Test Pit Location (May 2007)
- Pre-Remedial Waste Classification Sample Location (October 2007)
- Existing Sewer Line
- Proposed Sewer Line

No.	Revision/Issue	Date

Graphic Scale for Plot View: 30 15 0 30 — 1 inch = 30 feet

Compass

R3M Engineering, Inc.
1405 Route 18, Suite 208
Old Bridge, New Jersey 08857

FIGURE 2
SITE INVESTIGATION
SAMPLE RESULTS PLAN

SEWER LINE EASEMENT
FILL INVESTIGATION

BLOCK 1 LOTS 54.11 & 54.12
TOWNSHIP OF OLD BRIDGE
MIDDLESEX COUNTY, NEW JERSEY

Icon Engineering
Environmental & Geotechnical
Division of C.M.E. Associates
2759 U.S. Hwy 1 South - Suite 100, Monmouth Junction, NJ 08852
Phone:(732)951-2101 Fax: (732)951-2106

Project: 05B0139	Filename: S-SAMPLE RESULTS PLAN
Date: 3/26/08	Last Revised:
Designed by:	Approved by:
Drawn by:	Checked by:
Horizontal Scale: all Profile: 1 inch = 40 feet	Sheet: Figure 2

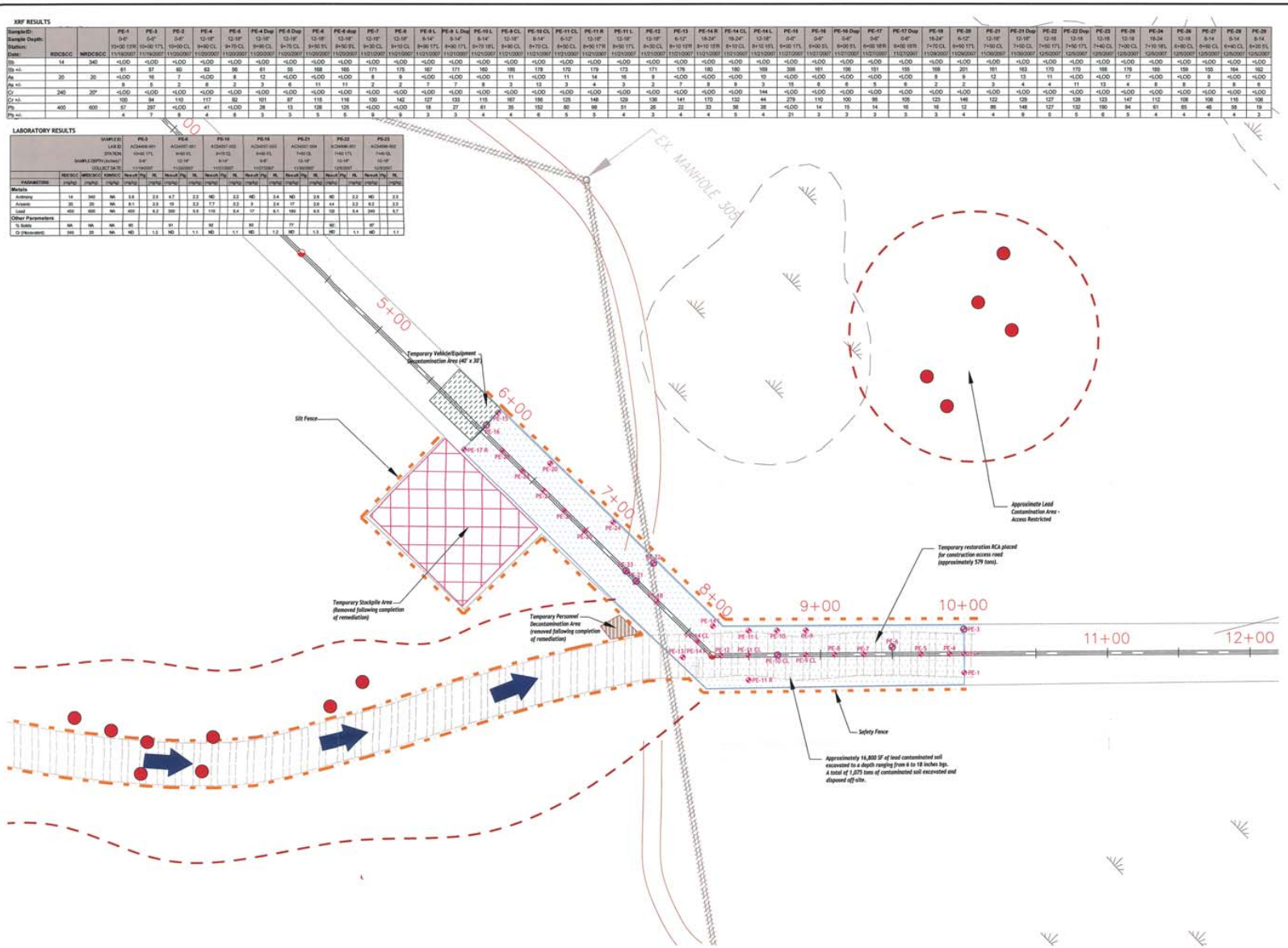
R2-0000216

XRF RESULTS

Sample ID:			PE-1	PE-3	PE-2	PE-4	PE-5	PE-4 Dup	PE-6 Dup	PE-6	PE-6 dup	PE-7	PE-8	PE-9 L	PE-9 L Dup	PE-10 L	PE-9 CL	PE-10 CL	PE-11 CL	PE-11 R	PE-11 L	PE-12	PE-13	PE-14 R	PE-14 CL	PE-14 L	PE-15	PE-16	PE-16 Dup	PE-17	PE-17 Dup	PE-18	PE-20	PE-21	PE-21 Dup	PE-22	PE-22 Dup	PE-23	PE-24	PE-26	PE-27	PE-28	PE-29
Sample Depth:			0-6"	0-6"	0-6"	12-18"	12-18"	12-18"	12-18"	12-18"	12-18"	12-18"	8-14"	8-14"	8-14"	8-14"	12-18"	8-14"	6-12"	12-18"	12-18"	12-18"	6-12"	18-24"	8-14"	12-18"	0-6"	0-6"	0-6"	0-6"	0-6"	16-24"	6-12"	12-18"	12-18"	12-18"	12-18"	12-18"	18-24"	12-18"	8-14"	8-14"	8-14"
Station:			10+00 12R	10+00 17L	10+00 CL	9+90 CL	9+70 CL	9+90 CL	9+70 CL	9+50 5'L	9+50 5'L	9+30 CL	9+10 CL	9+00 17L	8+90 17L	8+70 18L	8+90 CL	8+70 CL	8+50 CL	8+50 17'R	8+50 17'L	8+30 CL	8+10 15'R	8+10 15'R	8+10 CL	8+10 15'L	8+00 17L	6+00 5'L	6+00 5'L	6+00 16'R	6+00 16'R	7+70 CL	6+50 17'L	7+50 CL	7+50 CL	7+50 17'L	7+50 17'L	7+40 CL	7+00 CL	7+10 18'L	6+80 CL	6+90 CL	6+40 CL	6+20 5'L
Date:	RDCSCC	NRDCSCC	11/19/2007	11/19/2007	11/20/2007	11/20/2007	11/20/2007	11/20/2007	11/20/2007	11/20/2007	11/20/2007	11/21/2007	11/21/2007	11/21/2007	11/21/2007	11/21/2007	11/21/2007	11/21/2007	11/21/2007	11/21/2007	11/21/2007	11/21/2007	11/21/2007	11/21/2007	11/21/2007	11/21/2007	11/27/2007	11/27/2007	11/27/2007	11/27/2007	11/26/2007	11/26/2007	11/30/2007	11/30/2007	12/5/2007	12/5/2007	12/5/2007	12/5/2007	12/5/2007	12/5/2007	12/5/2007	12/5/2007	12/5/2007
Sb	14	340	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD
Sb +/-			61	57	60	63	56	61	55	168	165	171	175	167	171	160	186	178	170	179	173	171	176	180	180	169	399	161	156	151	155	168	201	161	163	170	170	168	176	155	159	155	164	162
As	20	20	<LOD	16	7	<LOD	8	12	<LOD	<LOD	<LOD	8	9	<LOD	<LOD	<LOD	11	<LOD	11	14	16	9	<LOD	<LOD	<LOD	10	<LOD	<LOD	<LOD	<LOD	<LOD	8	9	12	13	11	<LOD	<LOD	17	<LOD	<LOD	9	<LOD	<LOD
As +/-			8	5	2	8	2	3	6	11	11	2	2	7	7	8	2	13	3	4	3	2	7	8	8	3	15	6	6	5	6	2	2	3	4	4	11	13	4	8	8	2	8	6
Cr	240	20*	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	144	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD
Cr +/-			100	94	110	117	82	101	87	115	116	130	142	127	133	115	167	156	125	148	129	136	141	170	132	44	279	110	100	95	105	123	146	122	129	127	128	123	147	112	108	106	116	106
Pb	400	600	57	267	<LOD	41	<LOD	28	13	128	125	<LOD	<LOD	18	27	61	35	152	80	88	51	26	22	33	36	38	<LOD	14	15	14	16	16	12	86	148	127	132	190	94	81	65	48	58	19
Pb +/-			4	7	8	4	8	3	3	5	5	9	9	3	3	4	4	6	5	5	4	3	4	4	5	4	21	3	3	3	3	3	4	4	9	5	5	6	5	4	4	4	4	3

LABORATORY RESULTS

SAMPLE ID			PE-3	PE-6	PE-10	PE-16	PE-21	PE-22	PE-23
LAB ID			AC24495-001	AC24507-001	AC24507-002	AC24507-003	AC24507-004	AC24496-001	AC24496-002
STA NOM.			10+00, 17'L	9+90 CL	9+70 CL	6+90 CL	7+40 CL	7+60 17'L	7+40 CL
SAMPLE DEPTH (inches)			0-6"	12-18"	8-14"	0-6"	12-18"	12-18"	12-18"
COLLECT DATE			11/19/2007	11/20/2007	11/21/2007	11/27/2007	11/30/2007	12/5/2007	12/5/2007
PARAMETERS	RDCSCC	NRDCSCC	KSMSCC	Result (Pb)	RL	Result (Pb)	RL	Result (Pb)	RL	Result (Pb)	RL	Result (Pb)	RL	Result (Pb)	RL	Result (Pb)	RL
	(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																	
Antimony	14	340	NA	5.6	2.5	4.7	2.2	ND	2.2	ND	2.4	ND	2.5	ND	2.2	ND	2.5
Arsenic	20	20	NA	8.1	2.5	10	2.2	17	2.2	9	2.4	17	2.5	44	2.2	8.2	2.5
Lead	400	600	NA	400	8.2	300	5.5	155	5.4	17	6.1	160	6.5	139	5.4	240	6.7
Other Parameters																	
% Solids	NA	NA	NA	80	-	91	-	92	-	83	-	77	-	82	-	87	-
Cr (Hexavalent)	340	20	NA	ND	1.5	ND	1.1	ND	1.1	ND	1.2	ND	1.3	ND	1.1	ND	1.1



NOTES

1. Base Map and proposed sewer layout from R3M Engineering, Inc. "Soil Erosion and Sediment Control Plan" drawings dated March 16, 2007.
2. Topographic information is based upon aerial topography prepared by ADR Associates, Inc., dated April 4, 1994, provided by Old Bridge Township Municipal Utilities Authority and supplemented by CME Associates through September 13, 2004.
3. All elevations are based on NAVD 1988 U.S. Survey Foot as derived from aerial mapping provided by Old Bridge Township Municipal Utilities Authority.
4. Baseline stationing is measured along the alignment of proposed sanitary sewer.

PLAN LEGEND

- PE-3 — Post-Excavation Sample Location for Laboratory Confirmation (November 2007)
- PE-1 — Post-Excavation Sample Location (#07, November 2007)
- SOIL EXCAVATION AREA
- TEMPORARY STOCKPILE AREA
- 30' WIDE TEMPORARY CONSTRUCTION ACCESS ROAD
- PROPOSED SEWER LINE
- PROPOSED MANHOLE
- EXISTING SEWER AND MANHOLES TO BE ABANDONED IN PLACE
- SAFETY FENCE TO DELINEATE RESTRICTED AREA
- SILT FENCE
- APPROXIMATE LEAD CONTAMINATION AREA - ACCESS RESTRICTED
- APPROXIMATE GREEN ACRES SAMPLE LOCATIONS (NJDEP Site Investigation Report, April 30, 2007)
- TEMPORARY VEHICLE/EQUIPMENT DECONTAMINATION AREA
- TEMPORARY PERSONNEL DECONTAMINATION AREA

No.	Revision/Issue	Date

Graphic Scale for Plan View: 30 15 0 30 — 1 inch = 30 feet

Client: R3M Engineering, Inc.
1405 Route 18, Suite 208
Old Bridge, New Jersey 08857

Title: FIGURE 3
SOIL REMEDIATION AND POST-EXCAVATION SAMPLING PLAN

LAURENCE HARBOR INTERCEPTOR SEWER
BLOCK 1 LOTS 54.11 & 54.12
TOWNSHIP OF OLD BRIDGE
MIDDLESEX COUNTY, NEW JERSEY

Icon Engineering
Environmental & Geotechnical
Division of C.M.E. Associates
3759 U.S. Hwy 1 South - Suite 100, Monmouth Junction, NJ 08852
Phone:(732)951-2101 Fax: (732)951-2106

Project: 00B001.04.02	Description: Post-Excavation Sampling Plan
Date: 3/26/08	Last Revised:
Designed by:	Approved by:
Drawn by:	Checked by:
Horizontal Scale of Profile: 1 inch = 30 feet	Sheet: Figure 3

R2-0000217

SOURCES:
1. New Jersey 2002 High Resolution Orthophotography. State of New Jersey Office of Information Technology, Office of Geographic Information Systems. http://njgin.nj.gov/OIT_IWIndex.jsp.
2. Weston Solutions, Inc. Region 2 Removal Support Team 2, Site Logbooks RST2-02-F-0674, RST2-02-F-0675, and RST2-02-F-0676, September 10 - September 16, 2008.

Legend

- Soil Sample Location
- Sediment Sample Location
- Surface Water Sample Location

250 0 250 500
Graphic Scale In Feet

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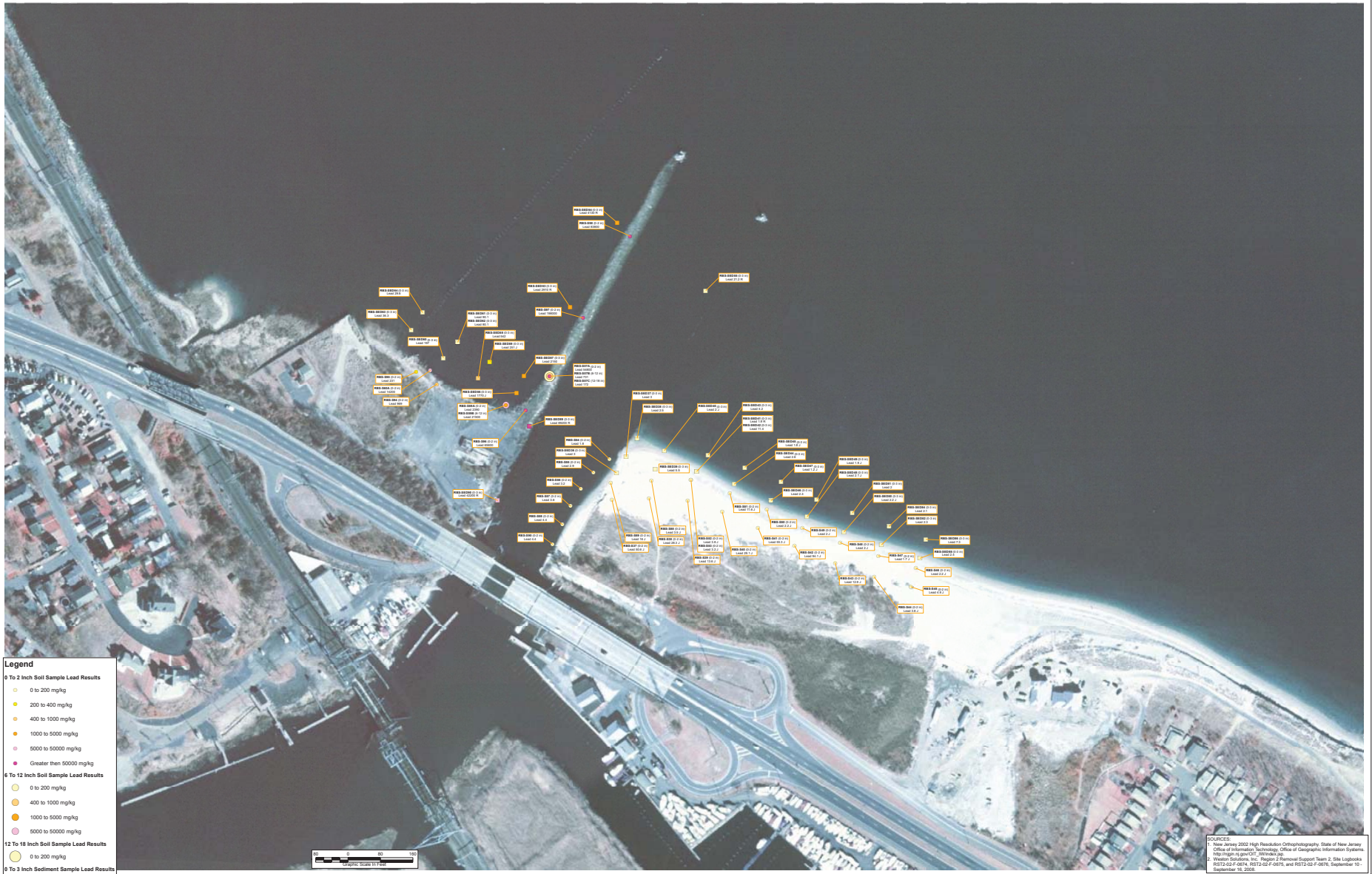
Weston Solutions, Inc.
205 Campus Drive Edison, New Jersey 08837-3939
TEL: (732) 417-5800 Fax: (732) 417-5801
http://www.westonsolutions.com

N W E S

REPORT DATE: January 2009	PROJECT MANAGER: D. Gaughan	CLIENT NAME: EPA	DRAWING TITLE: Raritan Bay Slag Site Sample Location Map
DRAWING PATH: P:/SAT2/Raritan_Bay_Slag/MXD	CHECKED BY: D. Gaughan		
REVISION No. 0	CONTRACT No. EP-W-06-072	PROJECT NAME: Raritan Bay Slag Site	
WORK ORDER No. 20401.032.010.2064	DRAWN/MODIFIED BY: J. Lynes DATE CREATED: 12/15/2008		FIGURE: 1 SCALE: 1" = 250' DATE: 01/27/2009

R2-0000218



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205 Campus Drive Edison, New Jersey 08837-3939
TEL: (732) 417-5800 Fax: (732) 417-5801
http://www.westonsolutions.com

N W E S

REPORT DATE: January 2009	PROJECT MANAGER: D. Gaughan
DRAWING PATH: 08276_RBS_PB_1_of_2.mxd P:/SAT2/Raritan_Bay_Slag/MXD	CHECKED BY: D. Gaughan
REVISION No. 0	CONTRACT No. EP-W-06-072
WORK ORDER No. 20401.032.010.2064	DRAWN/MODIFIED BY: J. Lynes DATE CREATED: 12/09/2008

CLIENT NAME: EPA

PROJECT NAME: Raritan Bay Slag Site

DRAWING TITLE:
Raritan Bay Slag Site
Soil/Sediment Lead Results Map
(Western Extent)

FIGURE:	SCALE:	DATE:
2	1" = 80'	01/27/2009

R2-0000219

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http://www.westonsolutions.com

N
W E
S

REPORT DATE: January 2009	PROJECT MANAGER: D. Gaughan
DRAWING: PATH: 06277_RBS_PB_2_of_2.mxd P:/SAT2/Raritan_Bay_Slag/MXD	CHECKED BY: D. Gaughan
REVISION No. 0	CONTRACT No. EP-W-06-072
WORK ORDER No. 20401.032.010.2064	DRAWN/MODIFIED BY: J. Lynes DATE CREATED: 12/09/2008

CLIENT NAME: EPA

PROJECT NAME: Raritan Bay Slag Site

DRAWING TITLE:
Raritan Bay Slag Site
Soil/Sediment Lead Results Map
(Eastern Extent)

FIGURE:	SCALE:	DATE:
3	1" = 80'	01/27/2009

R2-0000220

Legend

△ Surface Water Sample

NOTES

1. All surface water results are in micrograms per liter (ug/l)
2. Surface Water Sample IDs with a "D" at the end represents a dissolved metals sample.
3. J - Estimated concentration
4. U - Analyte not detected
5. UJ - The analyte was not quantifiable at or above the Contract Required Quantitation Limit (CRQL), or QA/QC requirements were not met
6. R - Unusable value

LEGEND:

200 100 0 200

Graphic Scale In Feet

PROJECT: Raritan Bay Slag Site

CLIENT NAME: EPA

TITLE: Raritan Bay Slag Site
Surface Water Results Map (Western Extent)

WESTON SOLUTIONS SM

DATE: 01/27/2009

FIGURE #: 4

P:\SAT2\Raritan_Bay_Slag\MXD\0628Z_RBS_PB_SW_1_of_2.mxd

R2-0000221

Legend

△ Surface Water Sample

NOTES

1. All surface water results are in micrograms per liter (ug/l)
2. Surface Water Sample IDs with a "D" at the end represents a dissolved metals sample.
3. J - Estimated concentration
4. U - Analyte not detected
5. UJ - The analyte was not quantifiable at or above the Contract Required Quantitation Limit (CRQL), or QA/QC requirements were not met

LEGEND:

200 100 0 200

Graphic Scale In Feet

TITLE: Surface Water Results Map (Eastern Extent)

PROJECT: Raritan Bay Slag Site

CLIENT NAME: EPA

WESTON SOLUTIONS SM

DATE: 01/27/2009

FIGURE #: 5

P:\SAT2\Raritan_Bay_Slag\MXD\06283_RBS_PB_SW_2_of_2.mxd

R2-0000222

Legend

0 To 3 Inch Sediment Sample Lead Results

0 to 200 mg/kg

NOTES
1. All soil and sediment sample results are in milligrams per kilogram (mg/kg)
2. R - Unusable value

LEGEND:
80 40 0 80
Graphic Scale In Feet

PROJECT:
Raritan Bay Slag Site

CLIENT NAME:
EPA

TITLE:
Raritan Bay Slag Site
Sediment Lead Results Map Background Locations

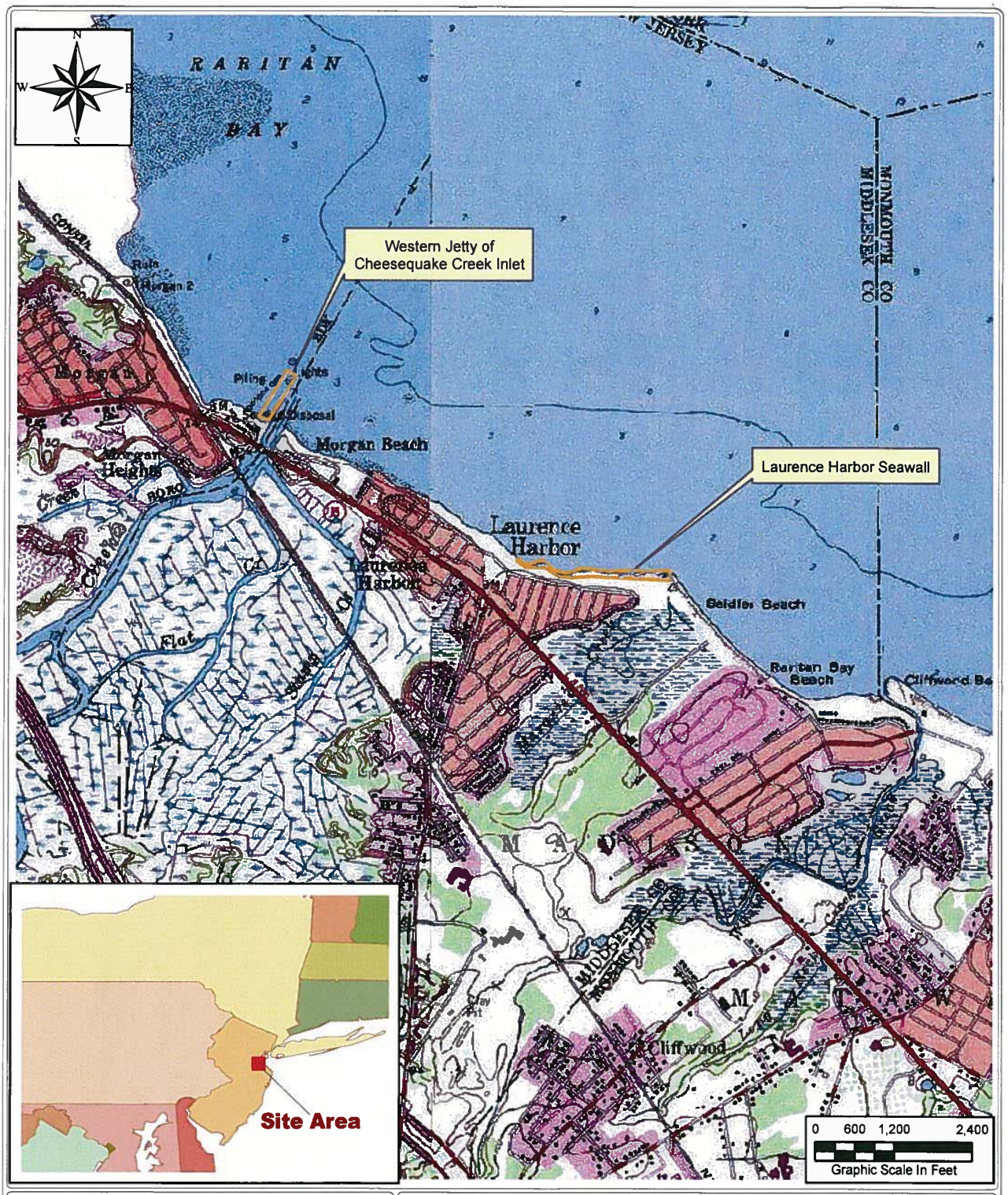
WESTON SOLUTIONS SM

DATE:
01/27/2009

FIGURE #:
6

P:\SAT2\Raritan_Bay_Slag\MXD\062.78_RBS_PB_Background.mxd

R2-0000223



LEGEND:

Site Location

National Geographic TOPO! U.S. Geologic Survey (USGS). 7.5 Minute Series (Topographic) Quadrangles: Keyport, NJ, 1977 and South Amboy, NJ, 1995.

PROJECT:
Raritan Bay Slag

CLIENT NAME:
EPA

TITLE:

Site Location Map
Raritan Bay Slag
Old Bridge Township and Sayreville, NJ

WESTON SOLUTIONS

DATE:
October 13, 2008

FIGURE #:
1

P:\SAT2\Raritan_Bay_Slag\MXD\06084_Site_Loc_101308.mxd

R2-0000224

LEGEND:

Estimated Source Boundary

SCALE:

240 120 0 240 480

Graphic Scale in Feet

SOURCE:

1. New Jersey 2002 High Resolution Orthophotography. State of New Jersey Office of Information Technology, Office of Geographic Information Systems. http://nigin.nj.gov/OIT_IW/index.jsp.
2. Weston Solutions, Inc. Region 2 removal Support Team 2, Site Logbooks: RST2-02-F-0674; RST2-02-F-0675; and RST2-02-F-0676, September 10-16, 2008.
3. EPA Hazardous Waste Support Section. Record of Communication and attached CLP Data Assessment, Subject: CLP [Inorganic] Data Package for Quality Assurance Review, Site: Raritan Bay Slag, Case #: 37836, SDG Nos. MB52W5 and MB5341. October 2, 2008.

NOTES:

J - Estimated Concentration
Regulatory Level - 5,000 ug/L (40 CFR 261.24)

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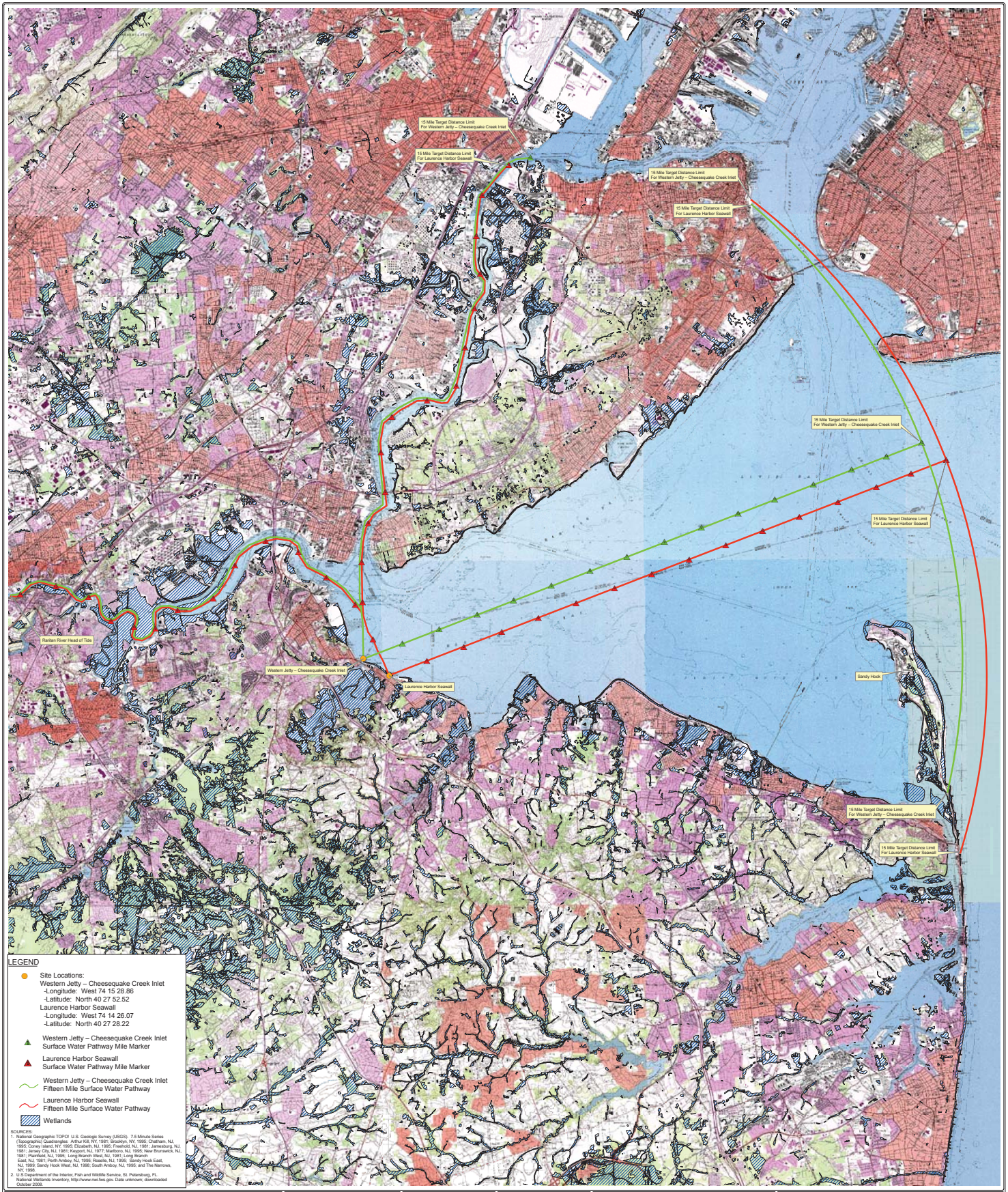
205 Campus Drive Edison, New Jersey 08837-3939
TEL: (732) 417-5800 Fax: (732) 417-5801
http://www.westonsolutions.com

N W E S

REPORT DATE: December 2008	PROJECT MANAGER: D. Foerter	CLIENT NAME: EPA	DRAWING TITLE: Study Area Raritan Bay Slag Old Bridge Township and Sayreville, NJ
DRAWING PATH: P:\SAT2\Raritan_Bay_Slag\MXD	CHECKED BY: D. Foerter		
REVISION No.: 0	CONTRACT No.: EP-S5-06-04	PROJECT NAME: Raritan Bay Slag	
WORK ORDER No.: 20405.012.013.2523.00	DRAWN/MODIFIED BY: M. Capriglione DATE CREATED: 10/13/2008		FIGURE: 2 SCALE: 1" = 240' DATE: 12/19/2008

R2-0000225



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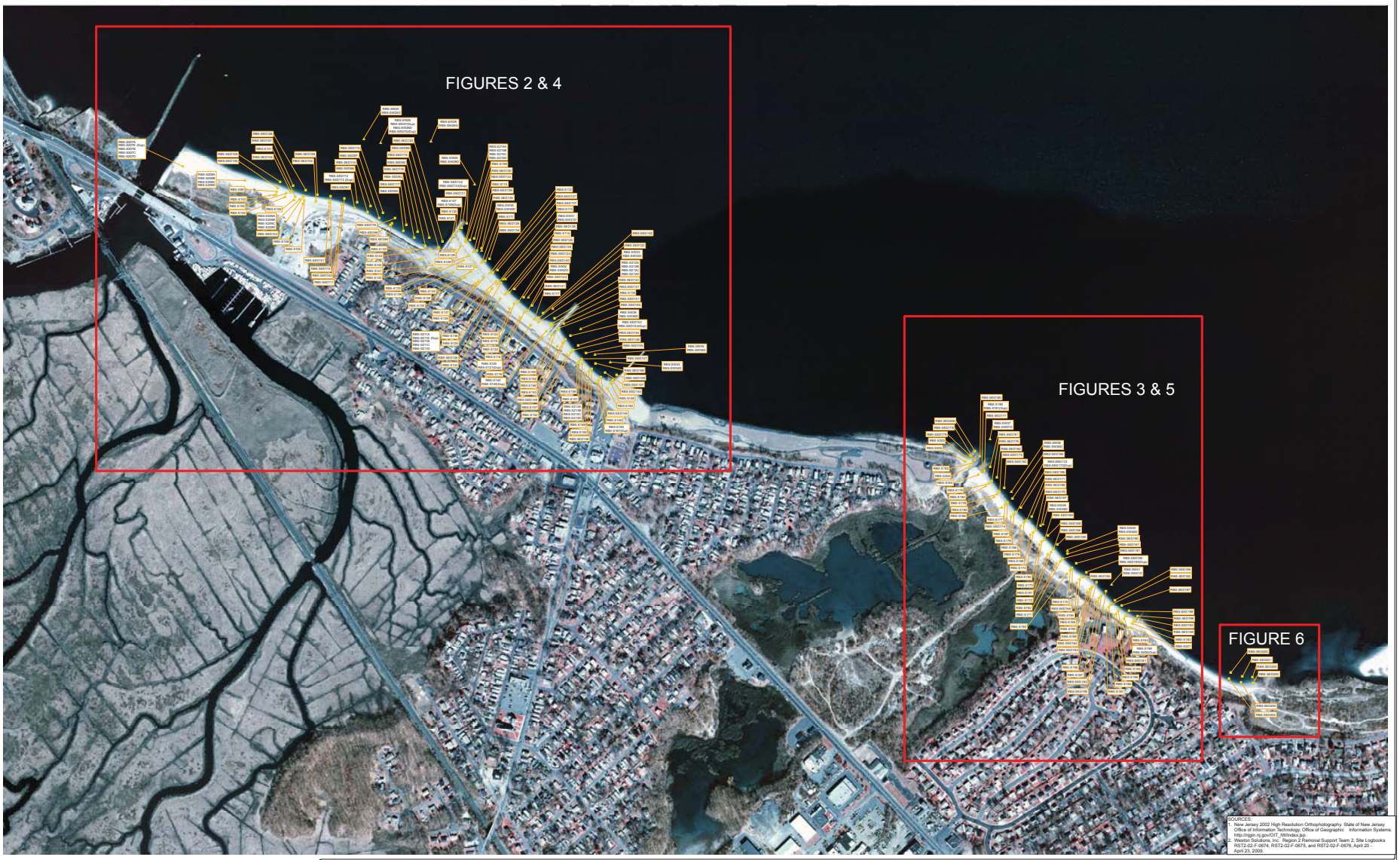
N W E S

REPORT DATE: February 2009	PROJECT MANAGER: D. Foerter	CLIENT NAME: EPA	DRAWING TITLE: 15-Mile Surface Water Pathway Map Raritan Bay Slag Old Bridge / Sayreville, NJ
DRAWING: 06368_RBS_15_Mile_Pathway_020509.mxd PATH: P:/SAT2/Raritan_Bay_Slag/MXD	CHECKED BY: D. Gaughan		
REVISION No.: 0	CONTRACT No.: EP-S5-06-04 DELIVERY ORDER NO.:	PROJECT NAME: Raritan Bay Slag Site	FIGURE: 3 / SCALE: 1" = 4000' / DATE: 02/05/2009
WORK ORDER No.: 20405.012.013.0523.00	DRAWN/MODIFIED BY: J. Lynes DATE CREATED: 02/05/2009		

R2-0000226



SOURCES:
1. New Jersey 2002 High Resolution Orthophotography. State of New Jersey Office of Information Technology, Office of Geographic Information Systems. http://njgin.nj.gov/OIT_fWIndex.jsp.
2. Weston Solutions, Inc. Region 2 Removal Support Team 2, Site Logbooks RST2-02-F-0674, RST2-02-F-0675, and RST2-02-F-0676, April 20 - April 23, 2009.

Legend

- Soil Sample Location
- Surface Water Sample Location
- Sediment Sample Location

250 0 250 500
Graphic Scale In Feet

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N W E S

REPORT DATE: June 2009	PROJECT MANAGER: D. Gaughan	CLIENT NAME: EPA	DRAWING TITLE: Raritan Bay Slag Site Sample Location Map April 2009
DRAWING PATH: 06688_RBS_Key_Map_060509.mxd P:\SAT2\Raritan_Bay_Slag\MXD\0608_Revised_Maps	CHECKED BY: D. Gaughan		
REVISION No. 0	CONTRACT No. EP-W-06-072	PROJECT NAME: Raritan Bay Slag Site	
WORK ORDER No. 20401.032.011.2206	DRAWN/MODIFIED BY: J. Lynes DATE CREATED: 05/14/2009		FIGURE: 1 SCALE: 1" = 250' DATE: 06/10/2009

R2-0000227

NOTES
1. All soil and sediment sample results are in milligrams per kilogram (mg/kg)
2. J - Estimated concentration
3. R - Unusable value

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N W E S

REPORT DATE: June 2009	PROJECT MANAGER: D. Gaughan
DRAWING: PATH: 06690_RBS_Pb_1of2_060509.mxd P:\SA72\Raritan_Bay_Slag\MXD\06690_Revised_Maps	CHECKED BY: D. Gaughan
REVISION No. 0	CONTRACT No. EP-W-06-072
WORK ORDER No. 20401.032.011.2206	DRAWN/MODIFIED BY: J. Lynes DATE CREATED: 05/14/2009

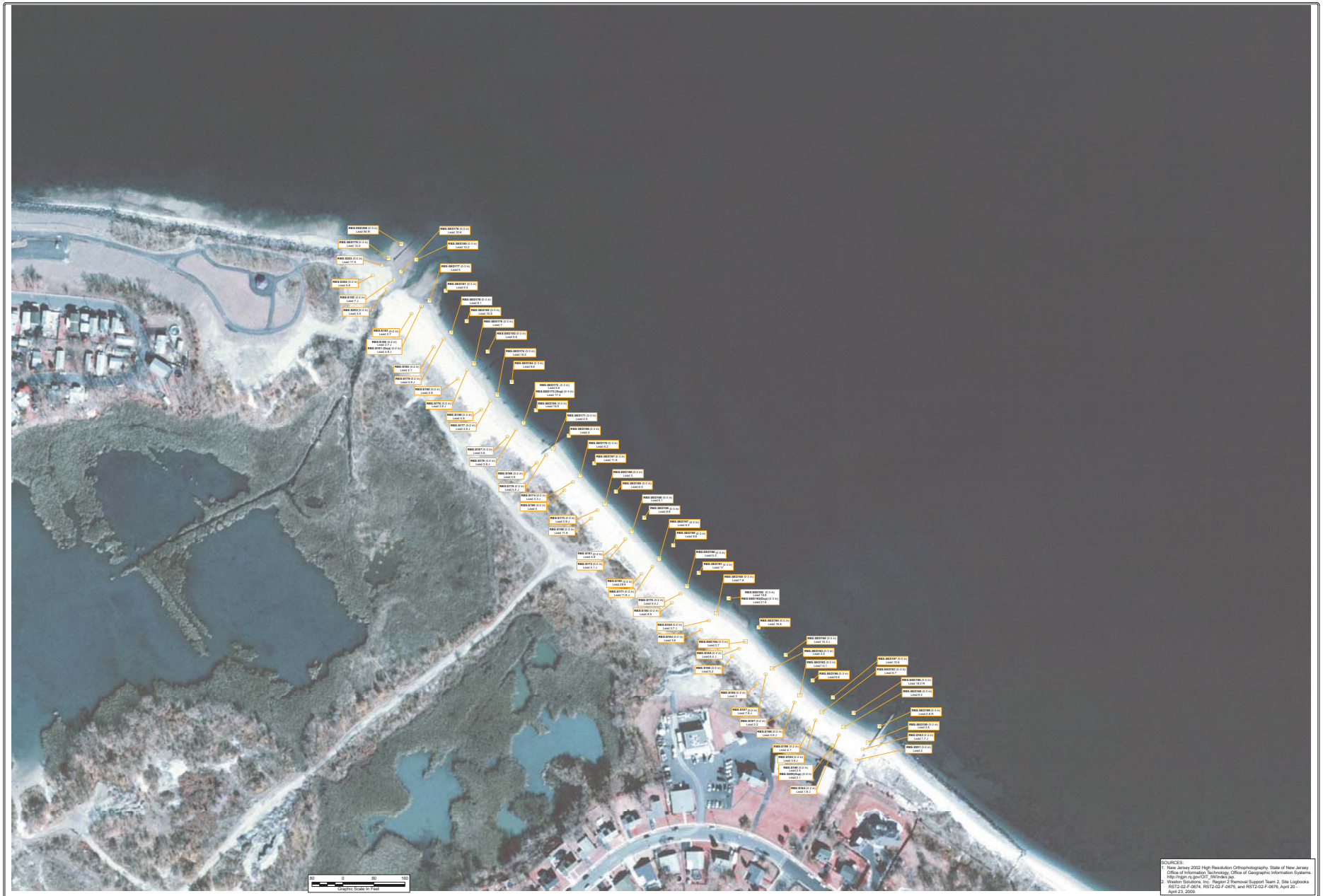
CLIENT NAME: EPA

PROJECT NAME: Raritan Bay Slag Site

DRAWING TITLE:
Raritan Bay Slag Site
Soil/Sediment Lead Results Map
April 2009
(Western Extent)

FIGURE:	SCALE:	DATE:
2	1" = 80'	06/10/2009

R2-0000228



SOURCES:
1. New Jersey 2002 High Resolution Orthophotography. State of New Jersey Office of Information Technology, Office of Geographic Information Systems. http://ngin.nj.gov/OIT_IW/index.jsp.
2. Weston Solutions, Inc. Region 2 Removal Support Team 2, Site Logbooks RST2-02-F-0674, RST2-02-F-0675, and RST2-02-F-0676, April 20 - April 23, 2009

Legend

0 To 3 Inch Sediment Sample Lead Results

0-200 mg/kg

0 To 2 Inch Soil Sample Lead Results

0 to 200 mg/kg

NOTES
1. All soil and sediment sample results are in milligrams per kilogram (mg/kg)
2. J - Estimated concentration
3. R - Unusable value

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TEL: (732) 417-5800 Fax: (732) 417-5801
http://www.westonsolutions.com

N W E S

REPORT DATE: June 2009	PROJECT MANAGER: D. Gaughan
DRAWING PATH: 06691_RBS_Pb_2sf2_060509.mxd P:\SAT2\Raritan_Bay_Slag\MXD\0609_Revised_Maps	CHECKED BY: D. Gaughan
REVISION No.: 0	CONTRACT No.: EP-W-06-072
WORK ORDER No.: 20401.032.011.2206	DRAWN/MODIFIED BY: J. Lynes DATE CREATED: 05/14/2009

CLIENT NAME: EPA

PROJECT NAME: Raritan Bay Slag Site

DRAWING TITLE:
Raritan Bay Slag Site
Soil/Sediment Lead Results Map
April 2009
(Eastern Extent)

FIGURE:	SCALE:	DATE:
3	1" = 80'	06/10/2009

R2-0000229

Legend

△ Surface Water Sample Location

NOTES

1. All surface water results are in micrograms per liter (ug/l)
2. Surface Water Sample IDs with a "D" at the end represents a dissolved metals sample.
3. J - Estimated concentration
4. U - Analyte not detected

SOURCES

1. New Jersey 2002 High Resolution Orthophotography. State of New Jersey Office of Information Technology, Office of Geographic Information Systems. http://njgin.nj.gov/OIT_IW/index.jsp.
2. Weston Solutions, Inc. Region 2 Removal Support Team 2, Site Logbooks RST2-02-F-0674, RST2-02-F-0675, and RST2-02-F-0676, April 20 - April 23, 2009.

LEGEND: 200 100 0 200 Graphic Scale In Feet

PROJECT: Raritan Bay Slag Site

CLIENT NAME: EPA

TITLE: Raritan Bay Slag Site
Surface Water Results Map (Western Extent)
April 2009

DATE: 06/10/2009

FIGURE #: 4

P:\SAT2\Raritan_Bay_Slag\MXD\0609_Revised_Maps\06693_RBS_SW_1of2_060509.mxd

R2-0000230

Legend

△ Surface Water Sample Location

NOTES

1. All surface water results are in micrograms per liter (ug/l)
2. Surface Water Sample IDs with a "D" at the end represents a dissolved metals sample.
3. J - Estimated concentration
4. U - Analyte not detected

SOURCES

1. New Jersey 2002 High Resolution Orthophotography. State of New Jersey Office of Information Technology, Office of Geographic Information Systems. http://njgin.nj.gov/OIT_IW/index.jsp.
2. Weston Solutions, Inc. Region 2 Removal Support Team 2, Site Logbooks RST2-02-F-0674, RST2-02-F-0675, and RST2-02-F-0676, April 20 - April 23, 2009.

LEGEND:
200 100 0 200
Graphic Scale In Feet

PROJECT: Raritan Bay Slag Site

CLIENT NAME: EPA

TITLE:
Raritan Bay Slag Site
Surface Water Results Map (Eastern Extent)
April 2009

DATE: 06/10/2009

FIGURE #: 5

P:\SAT2\Raritan_Bay_Slag\MXD\0609_Revised_Maps\06694_RBS_SW_2of2_060509.mxd

R2-0000231

Legend

0 To 3 Inch Sediment Sample Lead Results

0 to 200 mg/kg

NOTES

1. All soil and sediment sample results are in milligrams per kilogram (mg/kg)
2. J - Estimated concentration

SOURCES

1. New Jersey 2002 High Resolution Orthophotography. State of New Jersey Office of Information Technology, Office of Geographic Information Systems. http://njgin.nj.gov/OIT_IW/index.jsp.
2. Weston Solutions, Inc. Region 2 Removal Support Team 2, Site Logbooks RST2-02-F-0674, RST2-02-F-0675, and RST2-02-F-0676, April 20 - April 23, 2009.

LEGEND:
80 40 0 80
Graphic Scale In Feet

PROJECT: Raritan Bay Slag Site

CLIENT NAME: EPA

TITLE:
Raritan Bay Slag Site
Sediment Lead Results Map Background Locations
April 2009

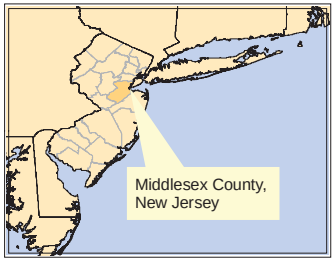
WESTON SOLUTIONS SM

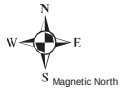
DATE: 06/10/2009

FIGURE #: 6

P:\SAT2\Raritan_Bay_Slag\MXD\0609_Revised_Maps\06922_RBS_Pb_BKG_060509.mxd

R2-0000232





Legend

Sampling Locations

- MYA 1 to 5
- RM 1 to 6
- ULVA 1 to 5
- Mercenaria 1 to 3
- Killifish 1 to 5

Map created using New Jersey 2007 color orthophotography , site GPS survey data.

Map Creation Date: 18 May 2009

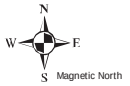
Coordinate system: New Jersey State Plane
FIPS: 2900.
Datum : NAD83.
Units : Feet.

100 0 100 200 300 400
Feet

Data: g:\arcviewprojects\reac4\00-356
MXD file: g:\arcinfoprojects\reac4\EAC00356_LaurebceHarbor\356_Site_Survey_Data_Map_f2rev002
Revision Number: 002

U.S EPA Environmental Response Team
Response Engineering and Analytical Contract
EP-C-04-032
W.A.# 0-356

Figure 2
Sampling Locations
Raritan Bay Slag Site
Old Bridge Township, New Jersey
May, 2009



Legend

- Sample Location
- Sea Wall

Map created using New Jersey 2007 color orthophotography , site GPS survey data.

Map Creation Date: 18 May 2009

Coordinate system: New Jersey State Plane
FIPS: 2900.
Datum : NAD83.
Units : Feet.

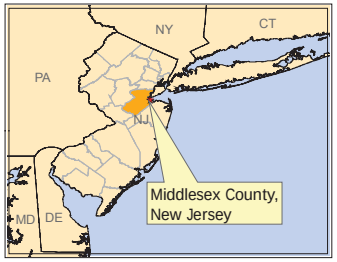
300 0 300 600
Feet

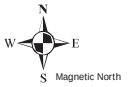
Data: g:\arcviewprojects\reac4\00-356
MXD file: g:\arcinfoprojects\reac4\EAC00356_LaurebceHarbor\356_Site_Sample_Location_fXrev001
Revision Number: 001

U.S EPA Environmental Response Team
Response Engineering and Analytical Contract
EP-C-04-032
W.A.# 0-356

Figure 3
Soil Sampling Location
Raritan Bay Slag Site
Old Bridge Township, New Jersey
May, 2009

R2-0000234





Legend

Lead Concentration in mg/kg

- < 47
- 47 - 100
- 101 - 400
- > 400

750 0 750 1,500 Feet

Map created using New Jersey 2007 color orthophotography, site sample results.

Map Creation Date: 2 October 2009

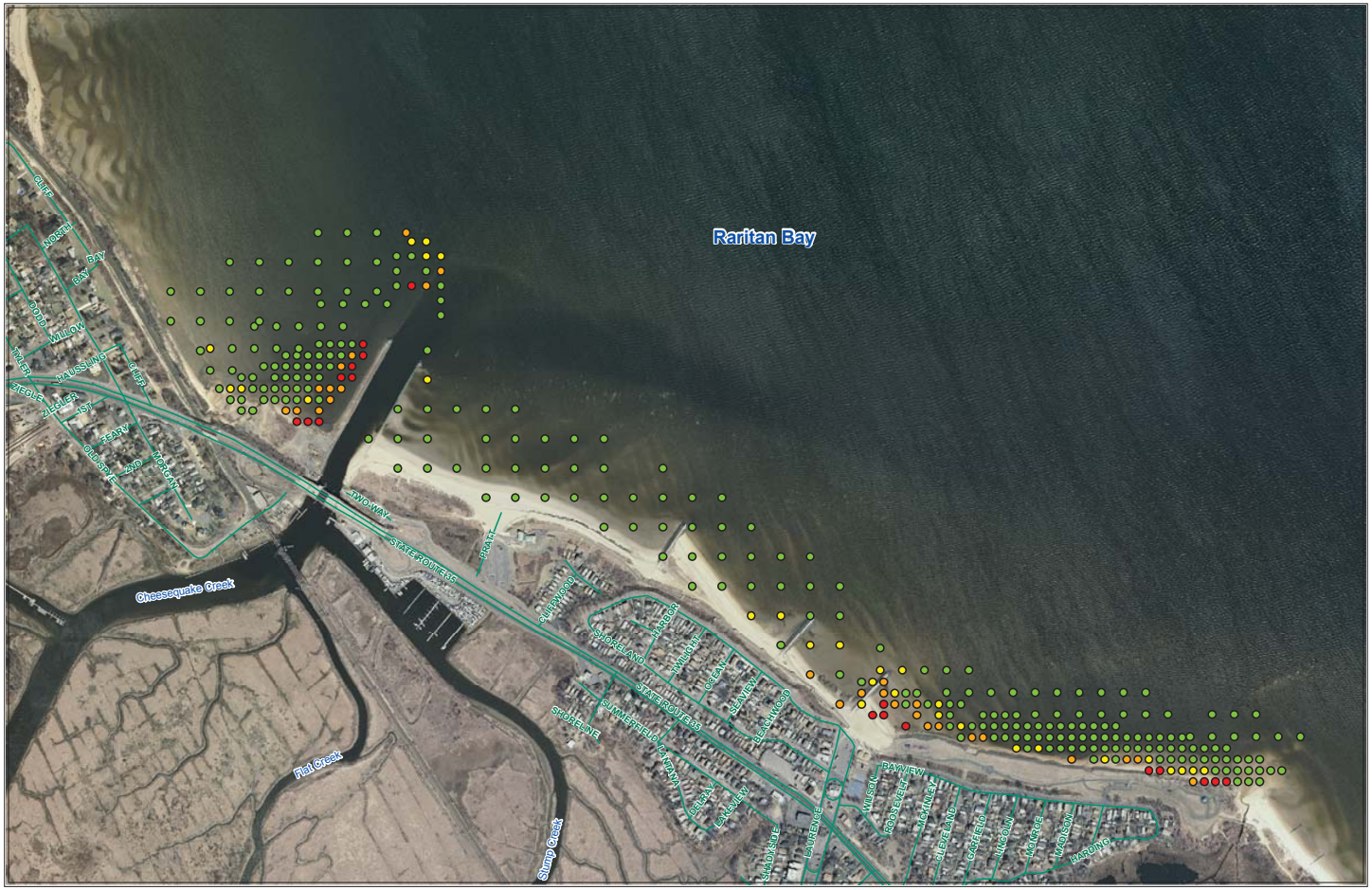
Coordinate system: New Jersey State Plane
FIPS: 2900.
Datum : NAD83.
Units : Feet.

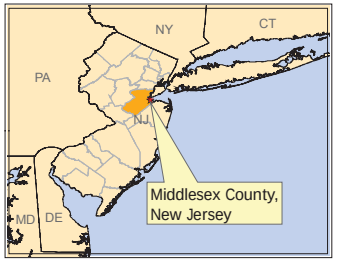
Data: g:\arcviewprojects\reac4\00-356
MXD file: g:\arcinfoprojects\reac4\EAC00356_LaurebceHarbor\SampleResultsFig\356_Sample_Lead_Result_0_6_f1rev001.mxd
Revision Number: 001

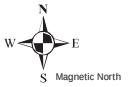
U.S EPA Environmental Response Team
Response Engineering and Analytical Contract
EP-C-04-032
W.A.# 0-356

Figure 1
Sample Lead Result (0'-6')
Raritan Bay Slag Site
Old Bridge Township, New Jersey
October 2009

R2-0000235







Legend

Lead Concentration in mg/kg

- < 47
- 47 - 100
- 101 - 400
- > 400

750 0 750 1,500 Feet

Map created using New Jersey 2007 color orthophotography, site sample results.

Map Creation Date: 2 October 2009

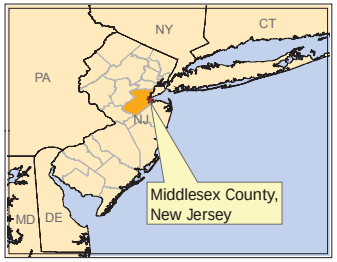
Coordinate system: New Jersey State Plane
FIPS: 2900.
Datum : NAD83.
Units : Feet.

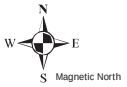
Data: g:\arcviewprojects\reac4\00-356
MXD file: g:\arcinfoprojects\reac4\EAC00356_LaurebceHarbor\SampleResultFig\356_Sample_Lead_Result_0_12_f2rev001.mxd
Revision Number: 001

U.S EPA Environmental Response Team
Response Engineering and Analytical Contract
EP-C-04-032
W.A.# 0-356

Figure 2
Sample Lead Result (0'-12')
Raritan Bay Slag Site
Old Bridge Township, New Jersey
October 2009

R2-0000236





Legend

Lead Concentration in mg/kg

- < 47
- 47 - 100
- 101 - 400
- > 400

750 0 750 1,500 Feet

Map created using New Jersey 2007 color orthophotography, site sample results.

Map Creation Date: 5 October 2009

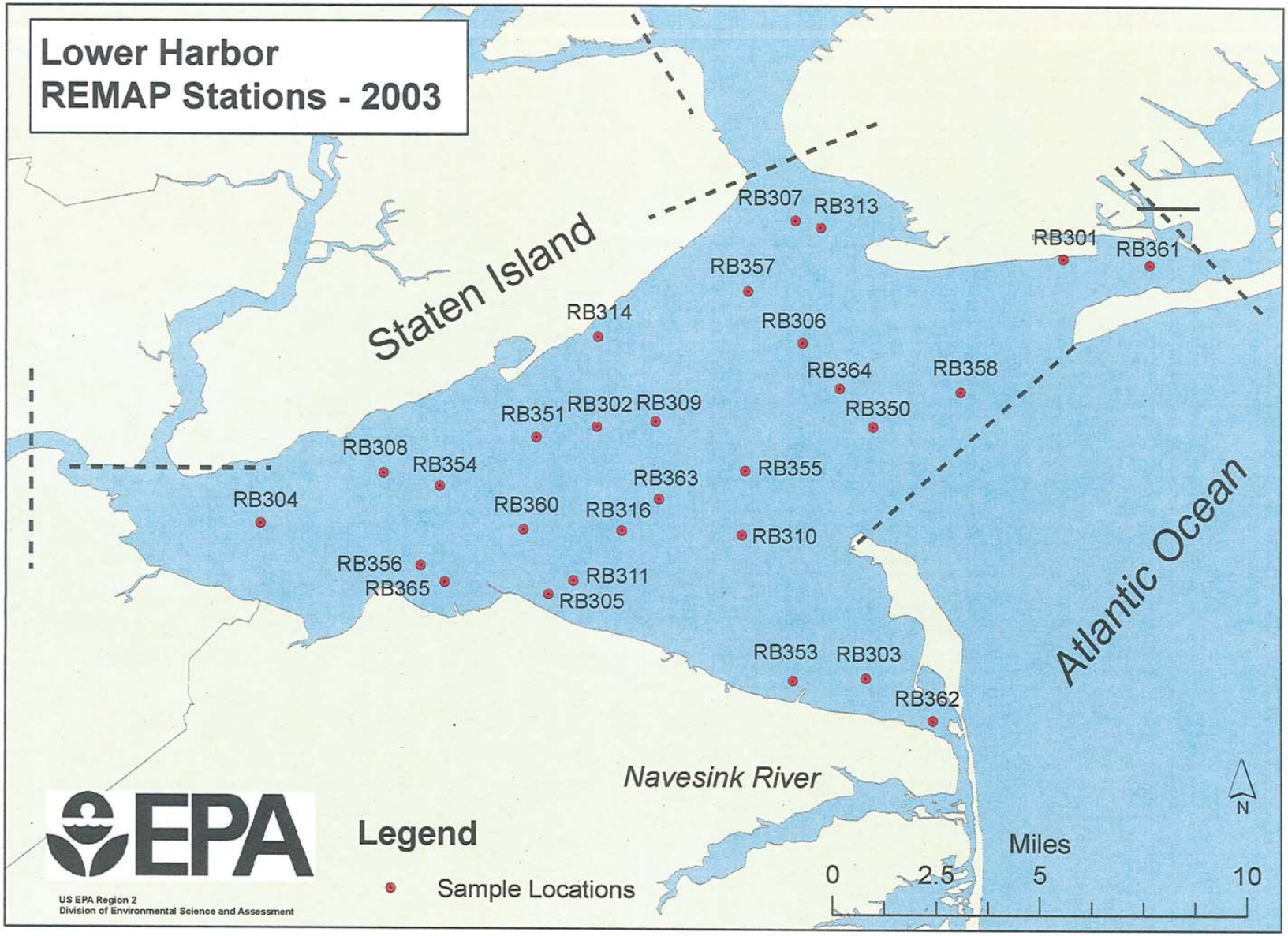
Coordinate system: New Jersey State Plane
FIPS: 2900.
Datum : NAD83.
Units : Feet.

Data: g:\arcviewprojects\reac4\00-356
MXD file: g:\arcinfoprojects\reac4\EAC00356_LaurebceHarbor\SampleResultsFig\356_Sample_Lead_Result_12_24_f3rev001.mxd
Revision Number: 001

U.S EPA Environmental Response Team
Response Engineering and Analytical Contract
EP-C-04-032
W.A.# 0-356

Figure 3
Sample Lead Result (12'-24')
Raritan Bay Slag Site
Old Bridge Township, New Jersey
October 2009

R2-0000237


Lower Harbor
REMAP Stations - 2003
Staten Island
Atlantic Ocean
Navesink River
RB307
RB313
RB301
RB361
RB357
RB314
RB306
RB364
RB358
RB350
RB351
RB302
RB309
RB308
RB354
RB363
RB355
RB304
RB360
RB316
RB310
RB356
RB365
RB311
RB305
RB353
RB303
RB362
EPA
US EPA Region 2
Division of Environmental Science and Assessment
Legend
Sample Locations
N
Miles
0
2.5
5
10

R2-0000238

Map created using New Jersey 2007 color orthophotography from NJGIN.

Map Creation Date: 6 May 2009

Coordinate system: New Jersey State Plane
FIPS: 2900.
Datum : NAD83.
Units : Feet.

100 0 100 200 300 400 Feet

Legend
Sample Location

Data: g:\arcviewprojects\reac4\00-356
MXD file: g:\arcinfoprojects\reac4\EAC00356_LaurebceHarbor\356_Side_Scan_Imagery1_Cheesquake_Inletite_f1rev001.mxd

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Response Engineering and Analytical Contract
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W.A.# 0-356

Figure 1
Side Scan Imagery Cheesequake Creek Inlet
Raritan Bay Slag Site
Old Bridge Township, New Jersey
May, 2009

Map created using New Jersey 2007 color orthophotography from NJGIN.

Map Creation Date: 21 May 2009

Coordinate system: New Jersey State Plane
FIPS: 2900.
Datum : NAD83.
Units : Feet.

600 0 600 1,200 1,800 2,400
Feet

Data: g:\arcviewprojects\reac4\00-356
MXD file: g:\arcinfoprojects\reac4\EAC00356_LaurebceHarbor\356_Side_Scan_Imagery2_Raritan_Bay_f2rev001.mxd

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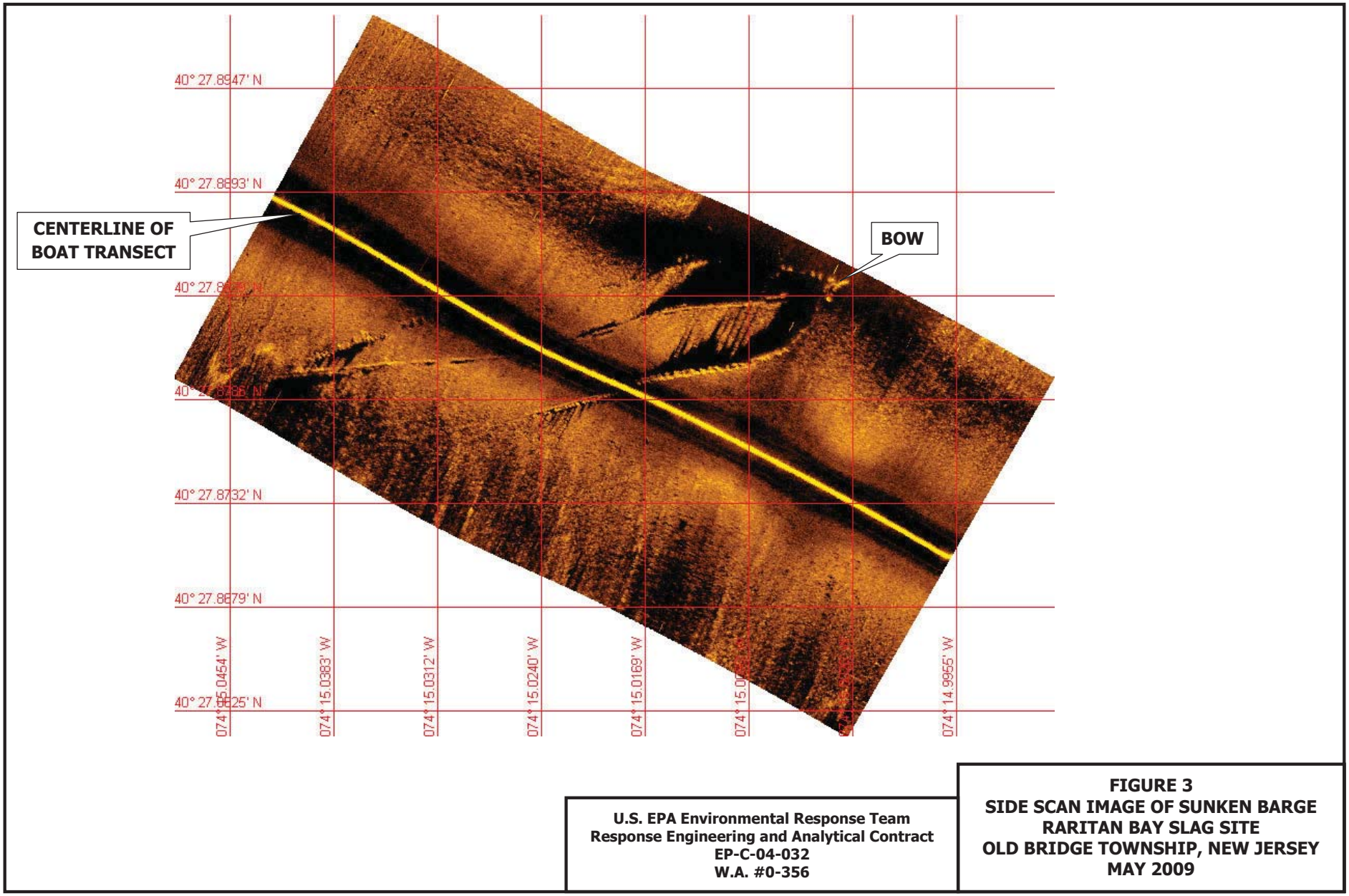
EP-C-04-032
W.A.# 0-356

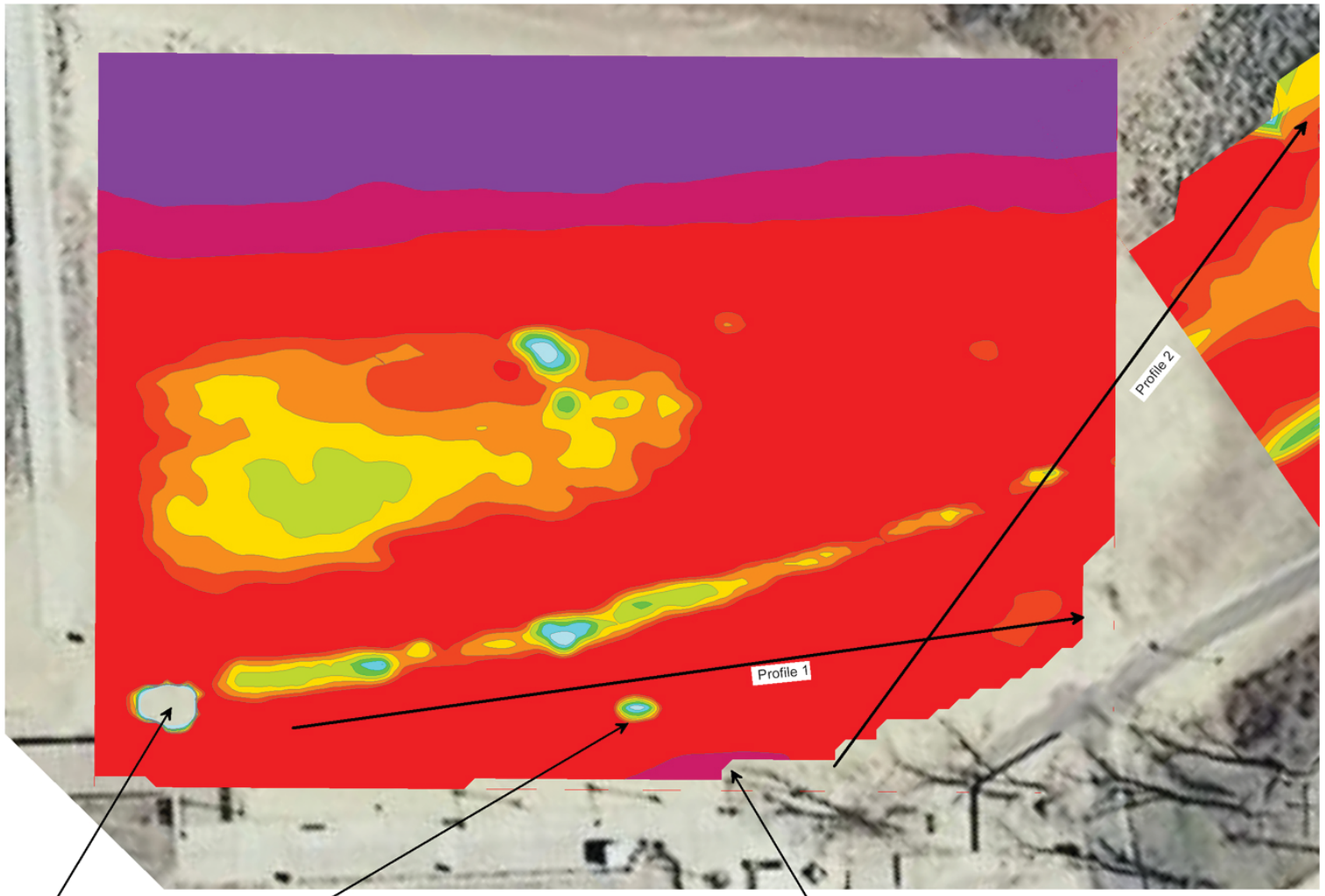
Figure 2
Side Scan Imagery Raritan Bay
Raritan Bay Slag Site
Old Bridge Township, New Jersey
May, 2009



U.S. EPA Environmental Response Team
Response Engineering and Analytical Contract
EP-C-04-032
W.A. #0-356

FIGURE 3
SIDE SCAN IMAGE OF SUNKEN BARGE
RARITAN BAY SLAG SITE
OLD BRIDGE TOWNSHIP, NEW JERSEY
MAY 2009

U.S. EPA ENVIRONMENTAL RESPONSE TEAM RESPONSE ENGINEERING AND ANALYTICAL CONTRACT EP-C-04-032 W.A.# 0-356	Figure 1 Study Area Old Bridge Waterfront Park Raritan Bay Slag Laurence Harbor, New Jersey



U.S. EPA ENVIRONMENTAL RESPONSE TEAM
RESPONSE ENGINEERING AND ANALYTICAL CONTRACT
EP-C-04-032
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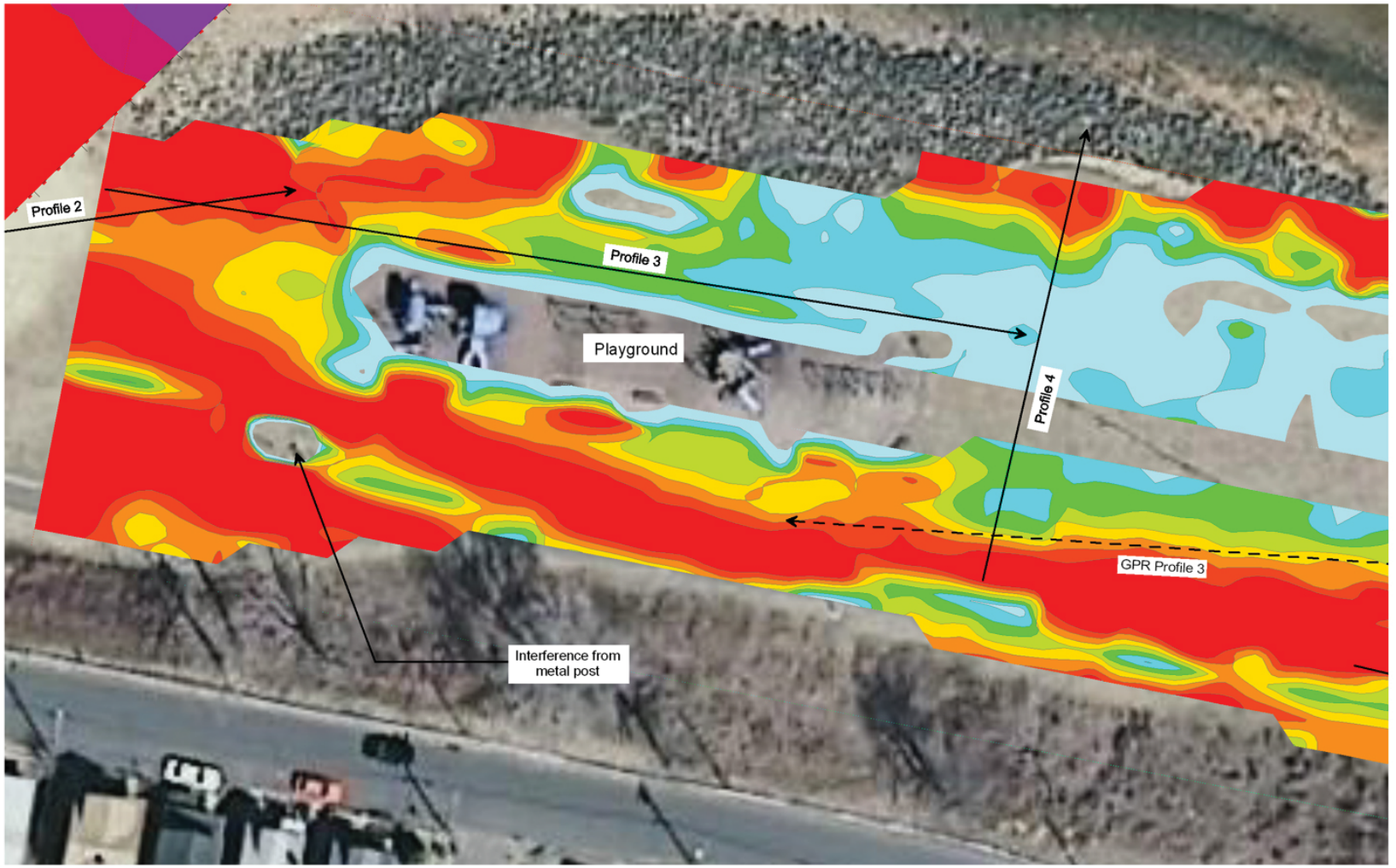
Figure 2
Area A (Beach)
Old Bridge Waterfront Park
Raritan Bay Slag
Laurence Harbor, New Jersey

R2-0000243



N

Terrain Conductivity mmho/m
100
50
20
19
18
17
16
15
14
12
10

Ground Penetrating Radar Profile

Electrical Imaging Profile

0 15 30 45 60 ft
1 inch = 30 feet

U.S. EPA ENVIRONMENTAL RESPONSE TEAM
RESPONSE ENGINEERING AND ANALYTICAL CONTRACT
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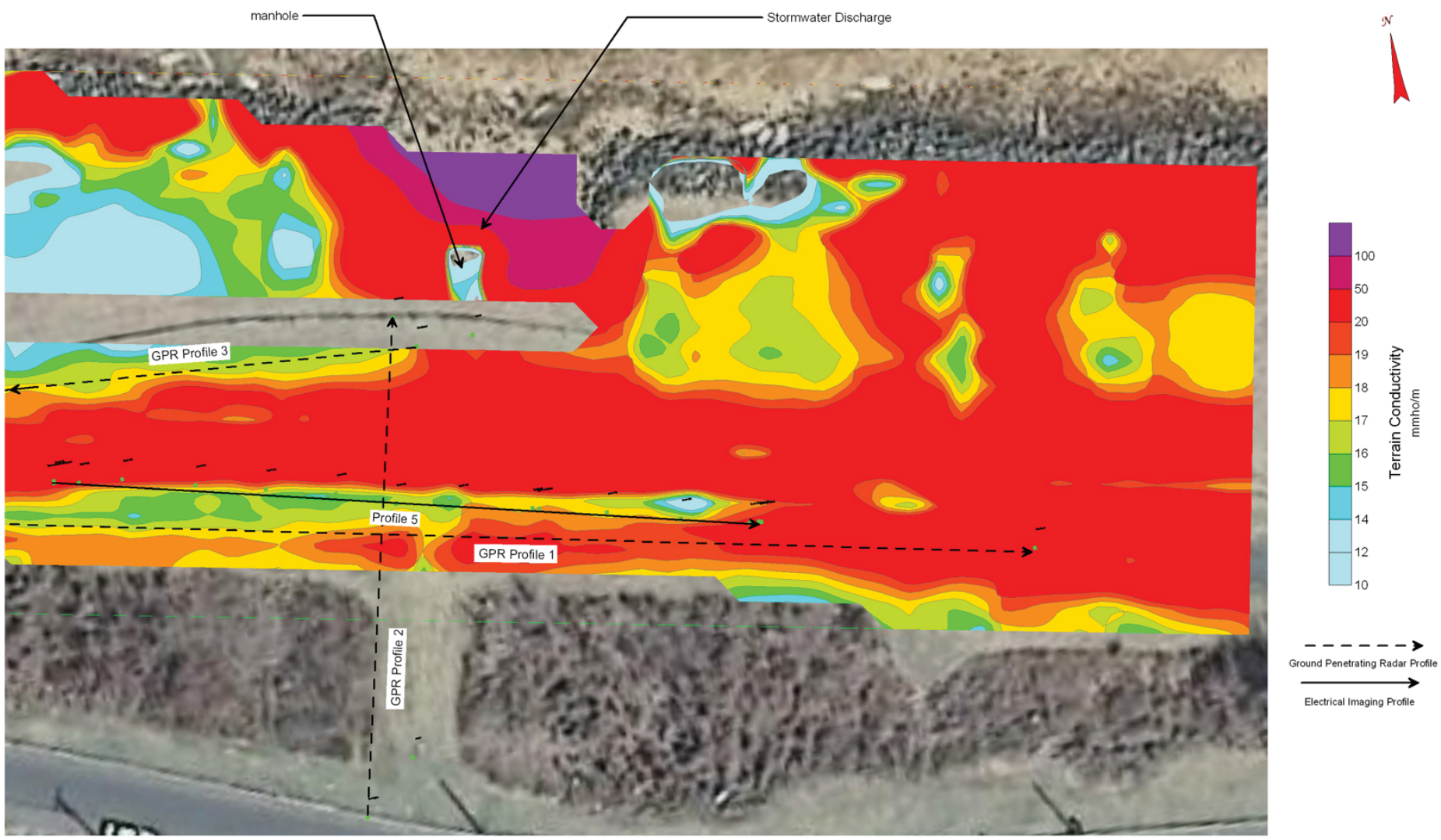
Figure 3
Area B (Playground)
Old Bridge Waterfront Park
Raritan Bay Slag
Laurence Harbor, New Jersey

R2-0000244



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RESPONSE ENGINEERING AND ANALYTICAL CONTRACT
EP-C-04-032
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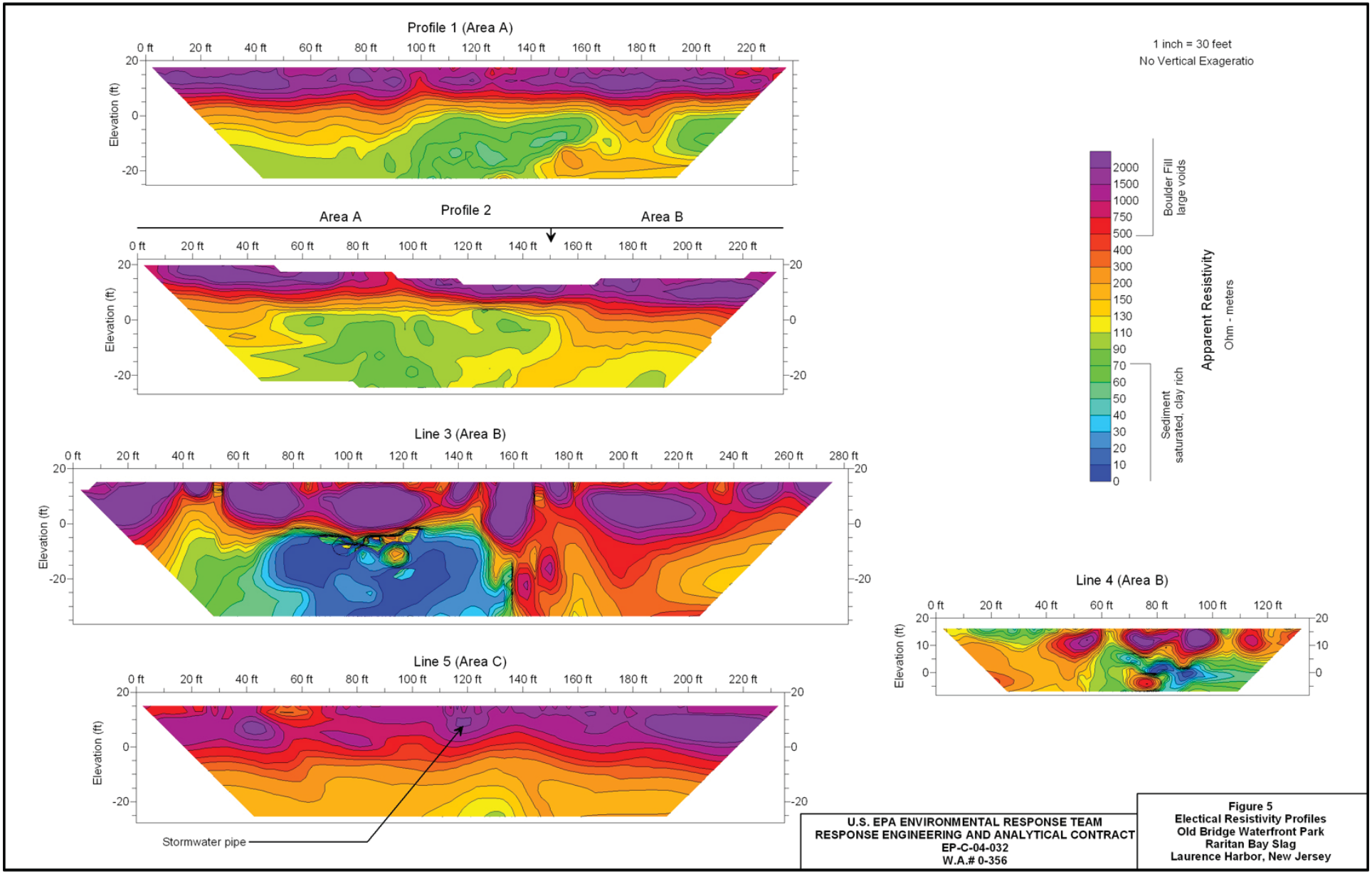
Figure 4
Area C (Walkway)
Old Bridge Waterfront Park
Raritan Bay Slag
Laurence Harbor, New Jersey

R2-0000245



U.S. EPA ENVIRONMENTAL RESPONSE TEAM
RESPONSE ENGINEERING AND ANALYTICAL CONTRACT
EP-C-04-032
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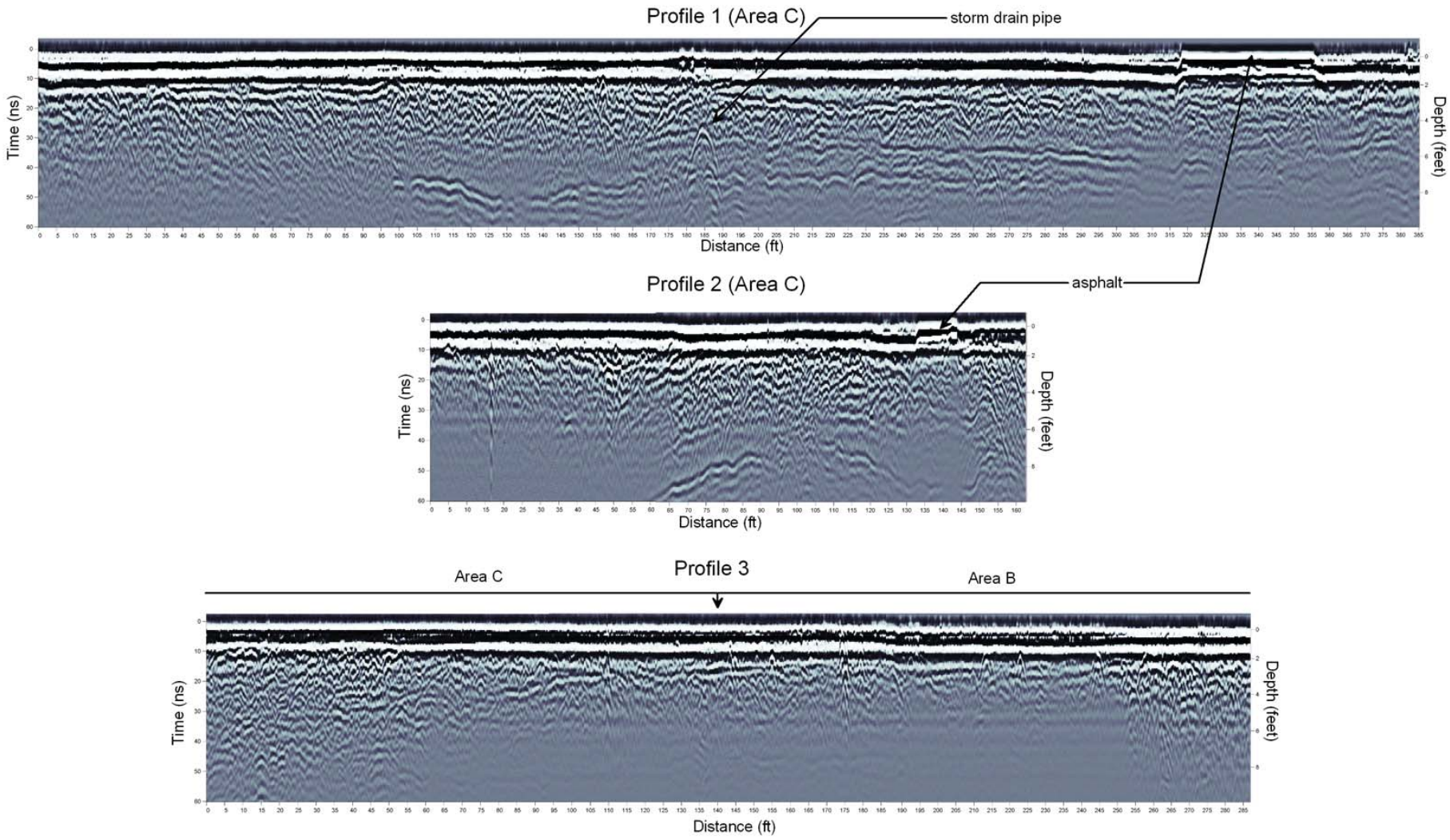
Figure 5
Electical Resistivity Profiles
Old Bridge Waterfront Park
Raritan Bay Slag
Laurence Harbor, New Jersey

R2-0000246



U.S. EPA ENVIRONMENTAL RESPONSE TEAM
RESPONSE ENGINEERING AND ANALYTICAL CONTRACT
EP-C-04-032
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Figure 6
Ground Penetrating Radar Profiles
Old Bridge Waterfront Park
Raritan Bay Slag
Laurence Harbor, New Jersey

R2-0000247

Bioavailability

1 Definition of Bioavailability

Bioavailability is the extent to which a substance can be absorbed by a living organism and can cause an adverse physiological or toxicological response (Battelle and Exponent 2000). Bioavailability is particularly relevant for metals, which may exist in a variety of chemical and physical forms, not all of which are readily absorbed by the body when ingested. However, most oral reference doses (RfDs) and cancer slope factors (CSF) used in risk assessment are based on studies in which dose is reported as the amount of chemical ingested. Such studies make no assumptions concerning bioavailability. If the form of a chemical in the environment is different from the form relevant to toxicology or human epidemiological studies, these toxicity criteria may overestimate the risks (EPA 2005). In such cases, toxicity criteria (e.g., RfD, CSF) should be adjusted for the chemicals to reflect the reduced bioavailability of the chemical forms found at the site.

2 How Bioavailability is Expressed

Oral bioavailability of a substance can be expressed as either absolute bioavailability (ABA), or as relative bioavailability (RBA). ABA is the ratio of the amount of chemical absorbed to the amount ingested. RBA is the ratio of the amount of a test material, such as arsenic in soil, absorbed to the amount of an appropriate reference material, such as sodium arsenate. Sodium arsenate is considered an appropriate reference material for arsenic because it is a useful surrogate for the form(s) of arsenic on which oral toxicity criteria for arsenic are based. In the critical study, a large Taiwanese population was unknowingly exposed to high concentrations of arsenic dissolved in their drinking water. This arsenic appeared to be almost completely absorbed in the gastrointestinal tract. Sodium arsenate is soluble and available information suggests that it is also almost completely absorbed.

Typically both ABA and RBA are expressed as a percent. An ABA is useful for characterizing risk when a RfD and/or CSF are based on an absorbed dose. However, since most toxicity criteria are based on an administered rather than an absorbed dose, the ABA of a substance is generally not used in the human health risk assessment process. RBA is useful when the bioavailability of a chemical form relative to the form relevant to critical toxicological or epidemiological studies can be estimated.

Site-specific RBA values for contaminants of concern in site media may be used to adjust RfD and CSF as follows:

$$RfD_{adjusted} = RfD_{default} / RBA$$

$$CSF_{adjusted} = CSF_{default} * RBA$$

3 How Bioavailability is Determined

Historically the RBA of metals has been determined using *in vivo*, or animal-based studies. Typically i*n vivo* studies for arsenic have utilized young swine or primates, and have determined RBA coefficients through the comparison of the amount of arsenic ingested versus amount of arsenic excreted. *In vivo* studies are generally accepted as the best means of assessing bioavailability; however, they are expensive and can take many months to complete. Because of the expense and time requirements of the animal-based studies, researchers have developed an *in vitro*, or laboratory based method to determine RBA coefficients.

The *in vitro* method simulates the human stomach by reproducing stomach residence time, pH, temperature, agitation, and solid to liquid ratio. Prior to analysis the sample is sieved with a 250 micro sieve and the <250 micron sieved fraction of the sample is used in the analysis. The <250 micron fraction is analyzed as those particles are most likely to adhere to human skin and thus be ingested via hand to mouth processes. In general, the *in vitro* method consists of placing one gram of sample test material into a plastic bottle with 100 mL of an extraction fluid (0.4 M glycine, pH 1.5). Each plastic bottle is placed in a water bath maintained at 37°C, and samples are extracted by rotating the bottles end-over-end for 1 hour. After 1 hour, the bottles are removed, and placed upright to allow the soil to settle to the bottom. After settling, a 15-mL sample of supernatant fluid is removed directly from the extraction bottle into a disposable 20-cc syringe, and then filtered through a 0.45-um cellulose acetate disk filter to remove any suspended particulate matter. This filtered sample of extraction fluid is then analyzed to quantify the fraction of lead or arsenic in the sample which had dissolved.

Several studies, including one on arsenic impacted sediments from the Aberjona River (Brattin and Wahlquist 2002), have been conducted to assess the correlation between *in vivo* and *in vitro* bioavailability results. These studies suggest that the calculated *in vitro* Bioavailability (IVBA) coefficient is an appropriate screen to evaluate the relative *in vivo* bioavailability (Brattin and Wahlquist 2002). However, the correlation for arsenic is not strong enough to warrant using the *in vitro* method as a standalone means for the determination of a site-specific arsenic bioavailability coefficient. For these reasons EPA supports a weight-of-evidence approach which combines *in vitro* results and geochemical speciation data (EPA 2005).

Sample geochemical data are typically obtained via electronmicroprobe (EMP) analysis. The three geochemical properties most commonly considered in relation to metals bioavailability are mineral phase, matrix association, and particle size. A discussion of these geochemical properties is presented below:

- ***Mineral Phase:*** Refers to the chemical form, or species, in which the metal occurs in minerals composing site soil or sediment. Examples for arsenic include iron oxides; iron and zinc sulfates; iron sulfides; and arsenic bearing phosphates. In general, less soluble mineral phases are associated with low RBA values.

R2-0000249

- ***Matrix Association:*** Refers to the physical association of the metal bearing grains with other mineral phases or matrices that may limit contact of the metal bearing grain with gastrointestinal fluids. Metal bearing grains that are entirely free in the soil are referred to as "liberated," whereas grains that are bound together are referred to as "cemented". Particles that exist in a secondary phase coating are referred to as "rimming." Metal bearing grains that are fully encased or cemented are essentially isolated from gastrointestinal fluid, are not believed to be available for dissolution and adsorption, and thus are typically associated with lower RBA.

- ***Particle Size:*** Metals bearing particles occur in a large variety of sizes. Because dissolution of the particles in gastrointestinal fluid only occurs on a particle's surface, large particles are likely associated with lower RBA values than smaller ones, because the ratio of particle surface area to volume tends to decrease as size increases.

While all three of the above geochemical properties are considered in the development of a site-specific RBA coefficient, mineral phase shows the strongest correlation to bioavailability, and thus is considered more heavily.

Battelle, and Exponent. 2000. *Guide for Incorporating Bioavailability Adjustments into Human Health and Ecological Risk Assessments at U.S. Navy and Marine Corps Facilities.* Prepared for Naval Facilities Engineering Service Center.

Brattin W. J., and A. M. Wahlquist. 2002. *Relative Bioavailability of Arsenic in Sediments from the Aberjona River.* Syracuse Research Corporation Denver, Colorado.

United States Environmental Protection Agency. 2005. Excerpts from *Estimation of Relative Bioavailability of Arsenic in Soil and Soil-Like Material by In Vivo and In Vitro Methods.* www.epa.gov/region8/r8risk/hh_rba.html.

Appendix A

Exceedance Tables

Area 1

Raritan Bay Slag Superfund Site
Remedial Investigation/Feasbility Study
Data Gap Technical Memorandum
Area 1 Pore Water Samples

				sys_loc_code:	PW-A		PW-A		PW-B		PW-B	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	PW-A1		PW-A2		PW-B1		PW-B2	
				sample_date:	09/18/2008		09/18/2008		09/18/2008		09/18/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SW								
7439-92-1	Lead	E200.7	ug/l	8.1	8	U	4	U	10		2	U
7439-96-5	Manganese	E200.7	ug/l	120	840		840		540		530	
7440-02-0	Nickel	E200.7	ug/l	8.2	9.6		7.3		6.9		4.9	
7440-22-4	Silver	E200.7	ug/l	0.23	4	U	2	U	2	U	2	U
7440-31-5	Tin	E200.7	ug/l	NL	400	U	200	U	200	U	200	U
7440-36-0	Antimony	E200.7	ug/l	500	4	U	2	U	2	U	2	U
7440-38-2	Arsenic	E200.7	ug/l	12.5	20	U	11		19		23	
7440-47-3	Chromium	E200.7	ug/l	57.5	12	U	6		7.6		6.6	
7440-50-8	Copper	E200.7	ug/l	3.1	80	U	40	U	40	U	20	U
7440-66-6	Zinc	E200.7	ug/l	81	40	U	20	U	20	U	20	U

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Raritan Bay Slag Superfund Site
Remedial Investigation/Feasbility Study
Data Gap Technical Memorandum
Area 1 Pore Water Samples

				sys_loc_code:	PW-C		PW-C		PW-D		PW-D	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	PW-C1		PW-C2		PW-D1		PW-D2	
				sample_date:	09/18/2008		09/18/2008		09/18/2008		09/18/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SW								
7439-92-1	Lead	E200.7	ug/l	8.1	1500		2	U	2400		170	
7439-96-5	Manganese	E200.7	ug/l	120	1800		1800		1100		1100	
7440-02-0	Nickel	E200.7	ug/l	8.2	10		6.1		33		11	
7440-22-4	Silver	E200.7	ug/l	0.23	2	U	2	U	2	U	2	U
7440-31-5	Tin	E200.7	ug/l	NL	200	U	200	U	200	U	200	U
7440-36-0	Antimony	E200.7	ug/l	500	56		19		270		130	
7440-38-2	Arsenic	E200.7	ug/l	12.5	71		41		230		86	
7440-47-3	Chromium	E200.7	ug/l	57.5	9.8		6.6		17		7.1	
7440-50-8	Copper	E200.7	ug/l	3.1	40	U	20	U	91		40	U
7440-66-6	Zinc	E200.7	ug/l	81	27		20	U	150		20	U

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Raritan Bay Slag Superfund Site
Remedial Investigation/Feasbility Study
Data Gap Technical Memorandum
Area 1 Pore Water Samples

				sys_loc_code:	PW-E		PW-E	
				loc_name:	Area-01		Area-01	
				sys_sample_code:	PW-E1		PW-E2	
				sample_date:	09/18/2008		09/18/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SW				
7439-92-1	Lead	E200.7	ug/l	8.1	160		2	U
7439-96-5	Manganese	E200.7	ug/l	120	2300		2300	
7440-02-0	Nickel	E200.7	ug/l	8.2	5.8		5.5	
7440-22-4	Silver	E200.7	ug/l	0.23	2	U	2	U
7440-31-5	Tin	E200.7	ug/l	NL	200	U	200	U
7440-36-0	Antimony	E200.7	ug/l	500	9.7		4	
7440-38-2	Arsenic	E200.7	ug/l	12.5	39		29	
7440-47-3	Chromium	E200.7	ug/l	57.5	7.9		6.4	
7440-50-8	Copper	E200.7	ug/l	3.1	40	U	20	U
7440-66-6	Zinc	E200.7	ug/l	81	20	U	20	U

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Raritan Bay Slagt Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 1 Sediment Samples > 12 inches

				sys_loc_code:	A101		A102		A103		A104	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A101 12-24		A102 12-24		A103 12-24		A104 12-24	
				depth	12-24 in		12-24 in		12-24 in		12-24 in	
				sample_date:	07/20/2009		07/20/2009		07/20/2009		07/20/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	E200.7	mg/kg	7740	2940	J	2650	J	6840	J	777	J
7440-36-0	Antimony	E200.7	mg/kg	2								
7440-38-2	Arsenic	E200.7	mg/kg	0.389								
7440-70-2	Calcium	E200.7	mg/kg	NL	140	J	125	J	325	J	83.5	J
7440-50-8	Copper	E200.7	mg/kg	18.7								
7439-89-6	Iron	E200.7	mg/kg	2000	18500	J	4080	J	99200	J	431	J
7439-92-1	Lead	E200.7	mg/kg	30.2								
7439-95-4	Magnesium	E200.7	mg/kg	NL	360	J	431	J	518	J	238	J
7439-96-5	Manganese	E200.7	mg/kg	183								
7440-09-7	Potassium	E200.7	mg/kg	NL	293	J	302	J	314	J	180	J
7440-23-5	Sodium	E200.7	mg/kg	NL	1420	J	1620	J	1170	J	1720	J
7440-66-6	Zinc	E200.7	mg/kg	124								
7440-36-0	Antimony	E200.8	mg/kg	2	1.2	U	1.2	UJ	1.1	U	1.3	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389	3.9	J	1.1	J	9.7	J	0.34	J
7440-39-3	Barium	E200.8	mg/kg	130.1	2	J	3	J	2.1	J	2.8	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.47		0.13	J	1.2		0.31	U
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.31	U	0.3	UJ	0.024	J	0.31	U
7440-47-3	Chromium	E200.8	mg/kg	52.3	6.7		4.1	J	33.9		0.51	J
7440-48-4	Cobalt	E200.8	mg/kg	2.34	0.38	J	0.14	J	1.5		0.03	J
7440-50-8	Copper	E200.8	mg/kg	18.7	3.4		2.3	J	6.2		0.79	J
7439-92-1	Lead	E200.8	mg/kg	30.2	3		1.8	J	4.8		1.9	
7439-96-5	Manganese	E200.8	mg/kg	183	14.7		5.4	J	25.6		1.9	
7440-02-0	Nickel	E200.8	mg/kg	15.9	1	J	0.61	UJ	2.3	J	0.63	UJ
7782-49-2	Selenium	E200.8	mg/kg	2	0.31	J	0.61	UJ	0.57	U	0.63	U
7440-22-4	Silver	E200.8	mg/kg	0.73	0.31	U	0.3	UJ	0.28	U	0.31	U
7440-28-0	Thallium	E200.8	mg/kg	100000	0.61	U	0.61	UJ	0.57	U	0.63	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	33.7	J	13	J	111	J	1.7	J
7440-66-6	Zinc	E200.8	mg/kg	124	10		5.7	J	26.5		15.6	
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.037	U	0.037	UJ	0.034	U	0.038	U

R2-0000256

Raritan Bay Slagt Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 1 Sediment Samples > 12 inches

				sys_loc_code:	A106		A107		A108		A11	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A106 12-24		A107 12-24		A108 12-24		A11 12-24	
				depth	12-24 in		12-24 in		12-24 in		12-24 in	
				sample_date:	07/20/2009		07/20/2009		07/20/2009		07/01/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	E200.7	mg/kg	7740	633	J	3540	J	2390		4790	J
7440-36-0	Antimony	E200.7	mg/kg	2								
7440-38-2	Arsenic	E200.7	mg/kg	0.389							10.1	J
7440-70-2	Calcium	E200.7	mg/kg	NL	100	J	253	J	327	J	600	
7440-50-8	Copper	E200.7	mg/kg	18.7							10.4	J
7439-89-6	Iron	E200.7	mg/kg	2000	309	J	11200	J	10800		89200	J
7439-92-1	Lead	E200.7	mg/kg	30.2							12	
7439-95-4	Magnesium	E200.7	mg/kg	NL	655	UJ	650	UJ	549	J	839	
7439-96-5	Manganese	E200.7	mg/kg	183							76	J
7440-09-7	Potassium	E200.7	mg/kg	NL	655	UJ	967	J	632	U	296	J
7440-23-5	Sodium	E200.7	mg/kg	NL	1710	J	1830	J	1630		959	
7440-66-6	Zinc	E200.7	mg/kg	124							53.8	
7440-36-0	Antimony	E200.8	mg/kg	2	1.3	U	1.3	U	1.3	U	0.92	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389	0.57		11.5		10.7	J		
7440-39-3	Barium	E200.8	mg/kg	130.1	3.1	J	7.3	J	7.9		4.6	UJ
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.33	U	0.1	J	0.3	J	0.94	
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.33	U	0.33	U	0.32	U	0.23	U
7440-47-3	Chromium	E200.8	mg/kg	52.3	1.3	U	4.1		13.6		43.7	
7440-48-4	Cobalt	E200.8	mg/kg	2.34	0.66	U	0.21		4.3		1.8	J
7440-50-8	Copper	E200.8	mg/kg	18.7	0.41	J	2.7		14.2			
7439-92-1	Lead	E200.8	mg/kg	30.2	3.1		11.3		14.5			
7439-96-5	Manganese	E200.8	mg/kg	183	1.2		3.4		28.8			
7440-02-0	Nickel	E200.8	mg/kg	15.9	0.66	U	0.67		7.5		4	J
7782-49-2	Selenium	E200.8	mg/kg	2	0.66	U	0.34	J	1.1		0.46	U
7440-22-4	Silver	E200.8	mg/kg	0.73	0.33	U	0.33	U	0.32	U	0.23	UJ
7440-28-0	Thallium	E200.8	mg/kg	100000	0.66	U	0.65	U	0.63	U	0.46	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	1.2	J	78.7	J	23.8	J	38.6	
7440-66-6	Zinc	E200.8	mg/kg	124	0.81	J	3.1		52			
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.039	U	0.026	J	0.066		0.036	U

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Raritan Bay Slagt Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 1 Sediment Samples > 12 inches

				sys_loc_code:	A115		A116		A117		A13	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A115 12-24		A116 12-24		A117 12-24		A13 12-24	
				depth	12-24 in		12-24 in		12-24 in		12-24 in	
				sample_date:	07/20/2009		07/20/2009		07/20/2009		07/14/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	E200.7	mg/kg	7740	399	J	3280	J	1350	J	2760	
7440-36-0	Antimony	E200.7	mg/kg	2								
7440-38-2	Arsenic	E200.7	mg/kg	0.389							10.8	
7440-70-2	Calcium	E200.7	mg/kg	NL	75.3	J	625	U	625	UJ	303	J
7440-50-8	Copper	E200.7	mg/kg	18.7							6	
7439-89-6	Iron	E200.7	mg/kg	2000	242	J	9340	J	5040	J	64400	
7439-92-1	Lead	E200.7	mg/kg	30.2							4.5	
7439-95-4	Magnesium	E200.7	mg/kg	NL	627	UJ	793	J	625	UJ	543	J
7439-96-5	Manganese	E200.7	mg/kg	183							201	
7440-09-7	Potassium	E200.7	mg/kg	NL	627	U	764		625	UJ	154	J
7440-23-5	Sodium	E200.7	mg/kg	NL	1660	J	1470	J	1730	J	1000	
7440-66-6	Zinc	E200.7	mg/kg	124							27.5	
7440-36-0	Antimony	E200.8	mg/kg	2	1.3	U	1.3	U	0.75	J	1.2	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389	0.65	J	4.7	J	7.4	J		
7440-39-3	Barium	E200.8	mg/kg	130.1	6.3	UJ	10.7	J	6.3	UJ	1.7	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.31	U	0.74		0.11	J	0.25	J
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.31	U	0.31	U	0.31	UJ	0.31	U
7440-47-3	Chromium	E200.8	mg/kg	52.3	1.3	U	10.9		9.1	J	14.5	J
7440-48-4	Cobalt	E200.8	mg/kg	2.34	0.63	U	6.4		2.5	J	0.8	J
7440-50-8	Copper	E200.8	mg/kg	18.7	1.3	U	8.1		12.6	J		
7439-92-1	Lead	E200.8	mg/kg	30.2	4.6		8.1		12.5	J		
7439-96-5	Manganese	E200.8	mg/kg	183	0.86		24.9		12.3	J		
7440-02-0	Nickel	E200.8	mg/kg	15.9	0.63	U	9.2		6.4	J	2.7	
7782-49-2	Selenium	E200.8	mg/kg	2	0.63	U	0.5	J	0.47	J	0.17	J
7440-22-4	Silver	E200.8	mg/kg	0.73	0.31	UJ	0.31	UJ	0.31	UJ	0.31	UJ
7440-28-0	Thallium	E200.8	mg/kg	100000	0.63	U	0.63	U	0.63	UJ	0.61	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	1.1	J	21.3	J	9.5	J	26	J
7440-66-6	Zinc	E200.8	mg/kg	124	1.3	U	34.2		56.6	J		
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.038	U	0.038	U	0.26	J	0.037	U

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Data Gap Technical Memorandum
Area 1 Sediment Samples > 12 inches

				sys_loc_code:	A134		A135		A136		A137	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A134 12-24		A135 12-24		A136 12-24		A137 12-24	
				depth	12-24 in		12-24 in		12-24 in		12-24 in	
				sample_date:	07/15/2009		07/15/2009		07/14/2009		07/14/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	E200.7	mg/kg	7740	313		1840		1760		3530	
7440-36-0	Antimony	E200.7	mg/kg	2								
7440-38-2	Arsenic	E200.7	mg/kg	0.389							20.1	
7440-70-2	Calcium	E200.7	mg/kg	NL	201		1200		749		532	
7440-50-8	Copper	E200.7	mg/kg	18.7							8.7	
7439-89-6	Iron	E200.7	mg/kg	2000	2590		26700		27000		78600	
7439-92-1	Lead	E200.7	mg/kg	30.2							6.7	
7439-95-4	Magnesium	E200.7	mg/kg	NL	365		734		651		735	
7439-96-5	Manganese	E200.7	mg/kg	183							123	
7440-09-7	Potassium	E200.7	mg/kg	NL	531		415		371	J	349	J
7440-23-5	Sodium	E200.7	mg/kg	NL	2370		2070		2060		1280	
7440-66-6	Zinc	E200.7	mg/kg	124							45.2	
7440-36-0	Antimony	E200.8	mg/kg	2	1.3	U	2		1.2	U	1.1	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389	2.1	J	17	J	10.1			
7440-39-3	Barium	E200.8	mg/kg	130.1	6.6	UJ	5.1	J	2.7	J	2.6	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.33	U	0.54		0.3	U	0.68	
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.33	UJ	0.36	J	0.054	J	0.27	U
7440-47-3	Chromium	E200.8	mg/kg	52.3	4.1	J	32.9	J	10.3	J	24.5	J
7440-48-4	Cobalt	E200.8	mg/kg	2.34	0.66	UJ	2.3	J	0.82	J	1.6	J
7440-50-8	Copper	E200.8	mg/kg	18.7	5.2	J	20.1	J	6.7			
7439-92-1	Lead	E200.8	mg/kg	30.2	6.3	J	21.3	J	5.9	J		
7439-96-5	Manganese	E200.8	mg/kg	183	10	J	41.2	J	38	J		
7440-02-0	Nickel	E200.8	mg/kg	15.9	1.4	J	10.2	J	2.8	J	4.3	
7782-49-2	Selenium	E200.8	mg/kg	2	0.31	J	1.4		0.21	J	0.71	
7440-22-4	Silver	E200.8	mg/kg	0.73	0.33	UJ	0.29	UJ	0.3	UJ	0.27	UJ
7440-28-0	Thallium	E200.8	mg/kg	100000	0.66	U	0.57	U	0.6	U	0.53	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	5.6		52.9		31.9	J	67.5	J
7440-66-6	Zinc	E200.8	mg/kg	124	17.8	J	99.8	J	26.4			
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.031	J	0.2		0.036	U	0.034	U

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Data Gap Technical Memorandum
Area 1 Sediment Samples > 12 inches

				sys_loc_code:	A138		A139		A14		A140	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A138 12-24		A139 12-24		A14 12-24		A140 12-24	
				depth	12-24 in		12-24 in		12-24 in		12-24 in	
				sample_date:	07/15/2009		07/15/2009		07/01/2009		07/14/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	E200.7	mg/kg	7740	3640		7190		2120		2850	
7440-36-0	Antimony	E200.7	mg/kg	2								
7440-38-2	Arsenic	E200.7	mg/kg	0.389					4.4		15.2	
7440-70-2	Calcium	E200.7	mg/kg	NL	642	J	2190		501	U	1030	
7440-50-8	Copper	E200.7	mg/kg	18.7					11.7	J	10	
7439-89-6	Iron	E200.7	mg/kg	2000	13600		21100		21400		49000	
7439-92-1	Lead	E200.7	mg/kg	30.2					3.4	R	9.5	
7439-95-4	Magnesium	E200.7	mg/kg	NL	1390		3140		370	J	1040	
7439-96-5	Manganese	E200.7	mg/kg	183					20.1	J	194	
7440-09-7	Potassium	E200.7	mg/kg	NL	750		1600		138	J	456	J
7440-23-5	Sodium	E200.7	mg/kg	NL	3400		4660		1180		1700	
7440-66-6	Zinc	E200.7	mg/kg	124					16.6		46.1	
7440-36-0	Antimony	E200.8	mg/kg	2	1.3	U	1.6	U	1.2	U	1.2	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389	4.8		7.1					
7440-39-3	Barium	E200.8	mg/kg	130.1	6.8	UJ	10.4	J	6	UJ	4.1	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.34	U	0.51		0.3	U	0.44	
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.065	J	0.13	J	0.3	U	0.3	U
7440-47-3	Chromium	E200.8	mg/kg	52.3	9.9	J	15.1	J	6.3		17.2	J
7440-48-4	Cobalt	E200.8	mg/kg	2.34	2.3		3.9		0.6	UJ	2.9	J
7440-50-8	Copper	E200.8	mg/kg	18.7	4		6.6					
7439-92-1	Lead	E200.8	mg/kg	30.2	4.3	J	7.2	J				
7439-96-5	Manganese	E200.8	mg/kg	183	176	J	223	J				
7440-02-0	Nickel	E200.8	mg/kg	15.9	4.6		9		1.2	J	6.9	
7782-49-2	Selenium	E200.8	mg/kg	2	0.68	U	0.12	J	0.6	U	0.88	
7440-22-4	Silver	E200.8	mg/kg	0.73	0.34	UJ	0.39	UJ	0.3	U	0.3	UJ
7440-28-0	Thallium	E200.8	mg/kg	100000	0.68	U	0.79	U	0.6	U	0.6	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	21.5		22.8		15.4		45.4	J
7440-66-6	Zinc	E200.8	mg/kg	124	17.7		32					
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.042	U	0.048	U	0.037	U	0.071	

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Raritan Bay Slagt Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 1 Sediment Samples > 12 inches

				sys_loc_code:	A141		A142		A143		A144	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A141 12-24		A142 12-24		A143 12-24		A144 12-24	
				depth	12-24 in		12-24 in		12-24 in		12-24 in	
				sample_date:	07/14/2009		07/15/2009		07/15/2009		07/15/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	E200.7	mg/kg	7740	2030		2230		968		2400	
7440-36-0	Antimony	E200.7	mg/kg	2								
7440-38-2	Arsenic	E200.7	mg/kg	0.389	10.6							
7440-70-2	Calcium	E200.7	mg/kg	NL	913		2190		217	J	1510	
7440-50-8	Copper	E200.7	mg/kg	18.7	7.4							
7439-89-6	Iron	E200.7	mg/kg	2000	16900		37300		3920		15700	
7439-92-1	Lead	E200.7	mg/kg	30.2	7.6							
7439-95-4	Magnesium	E200.7	mg/kg	NL	923		729		403	J	1160	
7439-96-5	Manganese	E200.7	mg/kg	183	40.7							
7440-09-7	Potassium	E200.7	mg/kg	NL	410	J	545		561	U	600	
7440-23-5	Sodium	E200.7	mg/kg	NL	1740		2230		2160		2740	
7440-66-6	Zinc	E200.7	mg/kg	124	25.6							
7440-36-0	Antimony	E200.8	mg/kg	2	1.2	U	1.2	U	1.2	U	1.3	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389			14		2.1		5	
7440-39-3	Barium	E200.8	mg/kg	130.1	4.2	J	13.7	J	6.1	UJ	6.6	UJ
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.31		0.56		0.31	U	0.33	U
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.29	U	0.11	J	0.31	U	0.044	J
7440-47-3	Chromium	E200.8	mg/kg	52.3	13.9	J	22	J	5.3	J	7.5	J
7440-48-4	Cobalt	E200.8	mg/kg	2.34	1.4	J	1.4		0.61	U	1.4	
7440-50-8	Copper	E200.8	mg/kg	18.7			12.4		1.6		2.9	
7439-92-1	Lead	E200.8	mg/kg	30.2			13.6	J	1.9	J	3.4	J
7439-96-5	Manganese	E200.8	mg/kg	183			11.8	J	25.4	J	63.2	J
7440-02-0	Nickel	E200.8	mg/kg	15.9	4.8		4.2		1.4		3.4	
7782-49-2	Selenium	E200.8	mg/kg	2	0.4	J	0.85		0.61	U	0.15	J
7440-22-4	Silver	E200.8	mg/kg	0.73	0.29	UJ	0.31	UJ	0.31	U	0.33	UJ
7440-28-0	Thallium	E200.8	mg/kg	100000	0.59	U	0.63	U	0.61	U	0.66	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	25.7	J	70.1		9.2		12.7	
7440-66-6	Zinc	E200.8	mg/kg	124			27.4		7.9		13.5	
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.034	J	0.028	J	0.038	U	0.04	U

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Raritan Bay Slagt Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 1 Sediment Samples > 12 inches

				sys_loc_code:	A145		A146		A147		A148	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A145 12-24		A146 12-24		A147 12-24		A148 12-24	
				depth	12-24 in		12-24 in		12-24 in		12-24 in	
				sample_date:	07/15/2009		07/14/2009		07/16/2009		07/16/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	E200.7	mg/kg	7740	2360		1520		858		1130	
7440-36-0	Antimony	E200.7	mg/kg	2								
7440-38-2	Arsenic	E200.7	mg/kg	0.389			8.7					
7440-70-2	Calcium	E200.7	mg/kg	NL	609		1360		363	J	338	J
7440-50-8	Copper	E200.7	mg/kg	18.7			11.2					
7439-89-6	Iron	E200.7	mg/kg	2000	4410		17200		5140		3300	
7439-92-1	Lead	E200.7	mg/kg	30.2			11.3					
7439-95-4	Magnesium	E200.7	mg/kg	NL	435		473	J	449	J	422	J
7439-96-5	Manganese	E200.7	mg/kg	183			32.3					
7440-09-7	Potassium	E200.7	mg/kg	NL	399	U	192	J	394	J	601	
7440-23-5	Sodium	E200.7	mg/kg	NL	1560		1470		1920		1990	
7440-66-6	Zinc	E200.7	mg/kg	124			55.5					
7440-36-0	Antimony	E200.8	mg/kg	2	1.1	U	1.1	U	1.2	U	1.2	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389	4.2				1.6		1.6	
7440-39-3	Barium	E200.8	mg/kg	130.1	5.6	UJ	2.4	J	4	J	4.9	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.28	U	0.48		0.31	U	0.29	U
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.28	U	0.29	U	0.024	J	0.034	J
7440-47-3	Chromium	E200.8	mg/kg	52.3	9.2	J	24.1	J	10	J	7.6	J
7440-48-4	Cobalt	E200.8	mg/kg	2.34	0.56	U	1.3	J	0.62	U	0.59	U
7440-50-8	Copper	E200.8	mg/kg	18.7	2.8				5.6		7.5	
7439-92-1	Lead	E200.8	mg/kg	30.2	3.6	J			6.5	J	6.8	J
7439-96-5	Manganese	E200.8	mg/kg	183	7.2	J			3.2		1.6	
7440-02-0	Nickel	E200.8	mg/kg	15.9	0.95		5.6		0.15	J	0.23	J
7782-49-2	Selenium	E200.8	mg/kg	2	0.11	J	0.67		0.16	J	0.095	J
7440-22-4	Silver	E200.8	mg/kg	0.73	0.28	U	0.29	UJ	0.31	UJ	0.29	UJ
7440-28-0	Thallium	E200.8	mg/kg	100000	0.56	U	0.57	U	0.62	U	0.59	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	26.4		37.8	J	14.2	J	9.2	J
7440-66-6	Zinc	E200.8	mg/kg	124	5.9				2.7	J	6.2	J
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.035	U	0.11		0.03	J	0.038	U

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Raritan Bay Slagt Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 1 Sediment Samples > 12 inches

				sys_loc_code:	A149		A150		A151		A152	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A149 12-24		A150 12-24		A151 12-24		A152 12-24	
				depth	12-24 in		12-24 in		12-24 in		12-24 in	
				sample_date:	07/16/2009		07/16/2009		07/22/2009		07/22/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	E200.7	mg/kg	7740	1280		3200		2020		5200	
7440-36-0	Antimony	E200.7	mg/kg	2								
7440-38-2	Arsenic	E200.7	mg/kg	0.389								
7440-70-2	Calcium	E200.7	mg/kg	NL	283	J	952		273	J	480	J
7440-50-8	Copper	E200.7	mg/kg	18.7								
7439-89-6	Iron	E200.7	mg/kg	2000	3010		17700		7070		4730	
7439-92-1	Lead	E200.7	mg/kg	30.2								
7439-95-4	Magnesium	E200.7	mg/kg	NL	409	J	402	J	425	J	716	
7439-96-5	Manganese	E200.7	mg/kg	183								
7440-09-7	Potassium	E200.7	mg/kg	NL	611	U	524	U	605	U	828	
7440-23-5	Sodium	E200.7	mg/kg	NL	1690		1060		1680		2280	
7440-66-6	Zinc	E200.7	mg/kg	124								
7440-36-0	Antimony	E200.8	mg/kg	2	1.2	U	1.1	U	1.2	U	1.3	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389	2.9		5.2		5.3	J	2.8	J
7440-39-3	Barium	E200.8	mg/kg	130.1	3.3	J	1.9	J	10.6		9.2	
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.31	U	1.1		0.16	J	1.3	
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.037	J	0.05	J	0.3	U	0.32	U
7440-47-3	Chromium	E200.8	mg/kg	52.3	7.5	J	13.6	J	14.7		15.1	J
7440-48-4	Cobalt	E200.8	mg/kg	2.34	0.61	U	0.84		3.7		7	
7440-50-8	Copper	E200.8	mg/kg	18.7	4		5.2		7.2		17	J
7439-92-1	Lead	E200.8	mg/kg	30.2	4	J	4.7	J	7		11.1	
7439-96-5	Manganese	E200.8	mg/kg	183	4.3		16.9		9		60.2	
7440-02-0	Nickel	E200.8	mg/kg	15.9	1.1		2.7		4.1		10.4	
7782-49-2	Selenium	E200.8	mg/kg	2	0.28	J	0.3	J	1		1.4	
7440-22-4	Silver	E200.8	mg/kg	0.73	0.31	U	0.28	UJ	0.3	U	0.32	U
7440-28-0	Thallium	E200.8	mg/kg	100000	0.61	U	0.57	U	0.6	U	0.64	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	31.6	J	35.8	J	44.5	J	28.2	
7440-66-6	Zinc	E200.8	mg/kg	124	5.5	J	25	J	13		42.8	J
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.036	U	0.029	J	0.036	U	0.046	

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Raritan Bay Slagt Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 1 Sediment Samples > 12 inches

				sys_loc_code:	A154		A155		A156		A157	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A154 12-24		A155 12-24		A156 12-24		A157 12-24	
				depth	12-24 in		12-24 in		12-24 in		12-24 in	
				sample_date:	07/21/2009		07/21/2009		07/21/2009		07/21/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	E200.7	mg/kg	7740	4630		2190		1630		1320	
7440-36-0	Antimony	E200.7	mg/kg	2								
7440-38-2	Arsenic	E200.7	mg/kg	0.389								
7440-70-2	Calcium	E200.7	mg/kg	NL	175	J	66.8	J	64.8	J	150	J
7440-50-8	Copper	E200.7	mg/kg	18.7								
7439-89-6	Iron	E200.7	mg/kg	2000	37500	J	8350	J	13900	J	10200	
7439-92-1	Lead	E200.7	mg/kg	30.2								
7439-95-4	Magnesium	E200.7	mg/kg	NL	482	J	245	J	230	J	254	J
7439-96-5	Manganese	E200.7	mg/kg	183								
7440-09-7	Potassium	E200.7	mg/kg	NL	577	U	577	U	575	U	586	U
7440-23-5	Sodium	E200.7	mg/kg	NL	1140		1190		1170		1210	
7440-66-6	Zinc	E200.7	mg/kg	124								
7440-36-0	Antimony	E200.8	mg/kg	2	1.1	J	1.2	U	1.1	U	1.2	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389	4		1.4		2.5		3.9	J
7440-39-3	Barium	E200.8	mg/kg	130.1	5.8	J	5.8	J	5.7	J	5.9	U
7440-41-7	Beryllium	E200.8	mg/kg	15.6	2		0.4		0.47		0.44	
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.29	J	0.29	U	0.29	U	0.29	U
7440-47-3	Chromium	E200.8	mg/kg	52.3	22.3		5.5		11.3		6.6	
7440-48-4	Cobalt	E200.8	mg/kg	2.34	0.84		0.58	J	0.57	J	0.59	U
7440-50-8	Copper	E200.8	mg/kg	18.7	5		1.9		1.6		1.9	
7439-92-1	Lead	E200.8	mg/kg	30.2	3.3		2.1		1.4		1.6	
7439-96-5	Manganese	E200.8	mg/kg	183	18		3.5		10.8		8.6	
7440-02-0	Nickel	E200.8	mg/kg	15.9	2.9		0.87		1.1		1.4	
7782-49-2	Selenium	E200.8	mg/kg	2	0.58	U	0.58	U	0.57	U	0.59	U
7440-22-4	Silver	E200.8	mg/kg	0.73	0.29	J	0.29	U	0.29	J	0.29	U
7440-28-0	Thallium	E200.8	mg/kg	100000	0.58	U	0.58	U	0.57	U	0.59	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	46.9		24.8		34.3		28.4	J
7440-66-6	Zinc	E200.8	mg/kg	124	13.2		3.8		5.7		10	
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.035	J	0.035	J	0.034	J	0.035	U

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Raritan Bay Slagt Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 1 Sediment Samples > 12 inches

				sys_loc_code:	A158		A159		A17		A18	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A158 12-24		A159 12-24		A17 12-24		A18 12-24	
				depth	12-24 in		12-24 in		12-24 in		12-24 in	
				sample_date:	07/21/2009		07/21/2009		07/01/2009		07/01/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	E200.7	mg/kg	7740	1330		622		1120		1900	
7440-36-0	Antimony	E200.7	mg/kg	2								
7440-38-2	Arsenic	E200.7	mg/kg	0.389					3.4		5.6	
7440-70-2	Calcium	E200.7	mg/kg	NL	137	J	49.9	J	412	U	554	U
7440-50-8	Copper	E200.7	mg/kg	18.7					3.3	J	5.4	J
7439-89-6	Iron	E200.7	mg/kg	2000	12300		1740		18200		27500	
7439-92-1	Lead	E200.7	mg/kg	30.2					2.6	J	4.4	J
7439-95-4	Magnesium	E200.7	mg/kg	NL	245	J	103	J	330	J	446	J
7439-96-5	Manganese	E200.7	mg/kg	183					22.8	J	43.3	J
7440-09-7	Potassium	E200.7	mg/kg	NL	579	U	641	U	138	J	119	J
7440-23-5	Sodium	E200.7	mg/kg	NL	1440		671		1420		1160	
7440-66-6	Zinc	E200.7	mg/kg	124					11.4		71.7	
7440-36-0	Antimony	E200.8	mg/kg	2	1.2	U	1.3	U	1.2	U	4.8	
7440-38-2	Arsenic	E200.8	mg/kg	0.389	2.7	J	2.1	J				
7440-39-3	Barium	E200.8	mg/kg	130.1	5.8	U	6.4	U	6.2	UJ	5.9	UJ
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.63		0.32	U	0.31	U	0.36	
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.29	U	0.32	U	0.31	U	0.29	U
7440-47-3	Chromium	E200.8	mg/kg	52.3	14.7		1.7		8.5		10.1	
7440-48-4	Cobalt	E200.8	mg/kg	2.34	0.58	U	0.64	U	0.63	J	2.5	J
7440-50-8	Copper	E200.8	mg/kg	18.7	4.1		1.3	U				
7439-92-1	Lead	E200.8	mg/kg	30.2	2		1.4					
7439-96-5	Manganese	E200.8	mg/kg	183	5.9		1.4					
7440-02-0	Nickel	E200.8	mg/kg	15.9	0.52	J	0.66		1.3		5.3	
7782-49-2	Selenium	E200.8	mg/kg	2	0.58	U	0.64	U	0.62	U	0.59	U
7440-22-4	Silver	E200.8	mg/kg	0.73	0.29	U	0.32	U	0.31	UJ	0.29	UJ
7440-28-0	Thallium	E200.8	mg/kg	100000	0.58	U	0.64	U	0.62	U	0.59	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	55.3	J	0.64	U	22.9		25.6	
7440-66-6	Zinc	E200.8	mg/kg	124	6		2.3					
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.035	U	0.038	U	0.036	U	0.037	U

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Raritan Bay Slagt Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 1 Sediment Samples > 12 inches

				sys_loc_code:	A19		A2		A21		A22	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A19 12-24		A2 12-24		A21 12-24		A22 12-24	
				depth	12-24 in		12-24 in		12-24 in		12-24 in	
				sample_date:	07/01/2009		07/01/2009		07/15/2009		07/01/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	E200.7	mg/kg	7740	1340		1760	J	2040		2050	
7440-36-0	Antimony	E200.7	mg/kg	2								
7440-38-2	Arsenic	E200.7	mg/kg	0.389	36.8		6.6	J			24.4	
7440-70-2	Calcium	E200.7	mg/kg	NL	442	U	406	U	2280		586	U
7440-50-8	Copper	E200.7	mg/kg	18.7	160		4.8	J			16.1	
7439-89-6	Iron	E200.7	mg/kg	2000	26000		33300	J	37900	J	35300	
7439-92-1	Lead	E200.7	mg/kg	30.2	1730	J	4.1				14.8	R
7439-95-4	Magnesium	E200.7	mg/kg	NL	410	J	330	J	660		741	
7439-96-5	Manganese	E200.7	mg/kg	183	45.4	J	22.7	J			30.2	J
7440-09-7	Potassium	E200.7	mg/kg	NL	158	J	155	J	570	U	254	J
7440-23-5	Sodium	E200.7	mg/kg	NL	1070		635		1990	J	2170	
7440-66-6	Zinc	E200.7	mg/kg	124	124		19.8				82.1	
7440-36-0	Antimony	E200.8	mg/kg	2	155		1.1	U	1.2	U	1.2	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389					15.4	J		
7440-39-3	Barium	E200.8	mg/kg	130.1	4.1	J	5.5	UJ	2.5	J	6.1	UJ
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.33		0.41		0.3	U	0.48	
7440-43-9	Cadmium	E200.8	mg/kg	0.68	4.8		0.28	U	0.13	J	0.33	
7440-47-3	Chromium	E200.8	mg/kg	52.3	11.9		15		15.6		18.1	
7440-48-4	Cobalt	E200.8	mg/kg	2.34	1.7	J	1.4	J	1.1	J	2.9	J
7440-50-8	Copper	E200.8	mg/kg	18.7			5.3		9.5			
7439-92-1	Lead	E200.8	mg/kg	30.2					11.5	J		
7439-96-5	Manganese	E200.8	mg/kg	183					32.1			
7440-02-0	Nickel	E200.8	mg/kg	15.9	14.9		2.9	J	3.4		10.2	J
7782-49-2	Selenium	E200.8	mg/kg	2	0.82		0.55	U	0.24	J	0.61	U
7440-22-4	Silver	E200.8	mg/kg	0.73	0.21	J	0.28	UJ	0.3	UJ	0.31	UJ
7440-28-0	Thallium	E200.8	mg/kg	100000	0.4	U	0.55	U	0.59	U	0.61	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	27.1		35.8		36.3	J	37.9	
7440-66-6	Zinc	E200.8	mg/kg	124					59.9			
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.074		0.037	U	0.086		0.067	

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Raritan Bay Slagt Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 1 Sediment Samples > 12 inches

				sys_loc_code:	A23		A24		A26		A27	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A23 12-24		A24 12-24		A26 12-24		A27 12-24	
				depth	12-24 in		12-24 in		12-24 in		12-24 in	
				sample_date:	07/20/2009		07/20/2009		07/15/2009		07/15/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	E200.7	mg/kg	7740	1370	J	1940	J	2770	J	1680	
7440-36-0	Antimony	E200.7	mg/kg	2								
7440-38-2	Arsenic	E200.7	mg/kg	0.389								
7440-70-2	Calcium	E200.7	mg/kg	NL	258	J	620	UJ	414	J	294	J
7440-50-8	Copper	E200.7	mg/kg	18.7								
7439-89-6	Iron	E200.7	mg/kg	2000	9310	J	24100	J	46200	J	41000	
7439-92-1	Lead	E200.7	mg/kg	30.2								
7439-95-4	Magnesium	E200.7	mg/kg	NL	656	UJ	620	UJ	422	J	378	J
7439-96-5	Manganese	E200.7	mg/kg	183								
7440-09-7	Potassium	E200.7	mg/kg	NL	656	UJ	620	UJ	221	J	178	J
7440-23-5	Sodium	E200.7	mg/kg	NL	1910	J	1290	J	1330		1650	
7440-66-6	Zinc	E200.7	mg/kg	124								
7440-36-0	Antimony	E200.8	mg/kg	2	1.3	U	1.2	U	1.1	U	1.1	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389	4.7		6.2		12.5	R	5.2	
7440-39-3	Barium	E200.8	mg/kg	130.1	2.9	J	1.7	J	6.6	J	1.9	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.14	J	0.27	J	0.42		0.29	U
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.33	U	0.31	U	0.1	J	0.038	J
7440-47-3	Chromium	E200.8	mg/kg	52.3	8.8		25.1		19.7	J	8.5	J
7440-48-4	Cobalt	E200.8	mg/kg	2.34	0.75		0.84		0.98	J	0.58	J
7440-50-8	Copper	E200.8	mg/kg	18.7	5		3.1		7		3.1	
7439-92-1	Lead	E200.8	mg/kg	30.2	9.2		3.6		5.6	J	2.4	J
7439-96-5	Manganese	E200.8	mg/kg	183	19.1		35.5		29.7	J	14.9	J
7440-02-0	Nickel	E200.8	mg/kg	15.9	2.6		1.9		2.3	J	1	J
7782-49-2	Selenium	E200.8	mg/kg	2	0.56	J	0.28	J	0.23	J	0.57	U
7440-22-4	Silver	E200.8	mg/kg	0.73	0.33	U	0.31	U	0.29	U	0.29	UJ
7440-28-0	Thallium	E200.8	mg/kg	100000	0.66	U	0.62	U	0.57	U	0.57	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	27.1	J	34.6	J	58.4	J	26.8	J
7440-66-6	Zinc	E200.8	mg/kg	124	20.2		12.7		19.4	J	20.2	
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.03	J	0.037	U	0.035	U	0.038	U

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Raritan Bay Slagt Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 1 Sediment Samples > 12 inches

				sys_loc_code:	A28		A3		A35		A36	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A28 12-24		A3 12-24		A35 12-24		A36 12-24	
				depth	12-24 in		12-24 in		12-24 in		12-24 in	
				sample_date:	07/15/2009		07/01/2009		07/01/2009		07/15/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	E200.7	mg/kg	7740	767		3560	J	431		1070	
7440-36-0	Antimony	E200.7	mg/kg	2								
7440-38-2	Arsenic	E200.7	mg/kg	0.389			11.9	J	1.1	UJ		
7440-70-2	Calcium	E200.7	mg/kg	NL	383	J	497	U	532	U	316	
7440-50-8	Copper	E200.7	mg/kg	18.7			10.5	J	3.9	J		
7439-89-6	Iron	E200.7	mg/kg	2000	2160	J	66700	J	1820		11500	
7439-92-1	Lead	E200.7	mg/kg	30.2			6.3		2.1	R		
7439-95-4	Magnesium	E200.7	mg/kg	NL	387	J	561		110	J	321	
7439-96-5	Manganese	E200.7	mg/kg	183			64.5	J	2.6	J		
7440-09-7	Potassium	E200.7	mg/kg	NL	625	U	225	J	71.2	J	130	
7440-23-5	Sodium	E200.7	mg/kg	NL	1380	J	809		675		1020	
7440-66-6	Zinc	E200.7	mg/kg	124			48.6		6.4	U		
7440-36-0	Antimony	E200.8	mg/kg	2	1.2	U	0.81	U	1.2	U	1.3	
7440-38-2	Arsenic	E200.8	mg/kg	0.389	0.66	J					3.3	J
7440-39-3	Barium	E200.8	mg/kg	130.1	17.8		4	UJ	6	UJ	5.7	UJ
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.31	U	0.5		0.3	U	0.29	U
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.026	J	0.2	U	0.3	U	0.29	UJ
7440-47-3	Chromium	E200.8	mg/kg	52.3	7.6		16.1		2.7		9	J
7440-48-4	Cobalt	E200.8	mg/kg	2.34	0.61	UJ	2.2	J	0.6	UJ	0.85	J
7440-50-8	Copper	E200.8	mg/kg	18.7	3						4	J
7439-92-1	Lead	E200.8	mg/kg	30.2	10.3	J					3	J
7439-96-5	Manganese	E200.8	mg/kg	183	3.9						16.9	J
7440-02-0	Nickel	E200.8	mg/kg	15.9	0.4	J	3.9	J	0.6	UJ	1.1	J
7782-49-2	Selenium	E200.8	mg/kg	2	0.61	U	0.4	U	0.6	U	0.24	J
7440-22-4	Silver	E200.8	mg/kg	0.73	0.31	UJ	0.2	UJ	0.3	UJ	0.29	UJ
7440-28-0	Thallium	E200.8	mg/kg	100000	0.61	UJ	0.4	U	0.6	U	0.57	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	12.6	J	33.5		15		25.6	
7440-66-6	Zinc	E200.8	mg/kg	124	1.5						9.9	J
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.038	U	0.034	U	0.037	U	0.037	U

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Raritan Bay Slagt Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 1 Sediment Samples > 12 inches

				sys_loc_code:	A39		A40		A41		A42	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A39 12-24		A40 12-24		A41 12-24		A42 12-24	
				depth	12-24 in		12-24 in		12-24 in		12-24 in	
				sample_date:	07/15/2009		07/14/2009		07/22/2009		07/17/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	E200.7	mg/kg	7740	7660		2770		8150	J	1740	
7440-36-0	Antimony	E200.7	mg/kg	2								
7440-38-2	Arsenic	E200.7	mg/kg	0.389			5.6					
7440-70-2	Calcium	E200.7	mg/kg	NL	3520		721		925		241	J
7440-50-8	Copper	E200.7	mg/kg	18.7			4.9					
7439-89-6	Iron	E200.7	mg/kg	2000	23900		16400		20100	J	19200	
7439-92-1	Lead	E200.7	mg/kg	30.2			4.4					
7439-95-4	Magnesium	E200.7	mg/kg	NL	5140		1410		3250	J	393	J
7439-96-5	Manganese	E200.7	mg/kg	183			143					
7440-09-7	Potassium	E200.7	mg/kg	NL	1960		723		1900	J	205	J
7440-23-5	Sodium	E200.7	mg/kg	NL	14100		3300		4460	J	1590	J
7440-66-6	Zinc	E200.7	mg/kg	124			18.6					
7440-36-0	Antimony	E200.8	mg/kg	2	2.9	UJ	1.3	U	1.6	U	1.1	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389	8.2	J			6		3	
7440-39-3	Barium	E200.8	mg/kg	130.1	16	J	4.6	J	11.5	J	3.8	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.72	UJ	0.28	J	0.45		0.28	U
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.16	J	0.32	U	0.4	U	0.28	U
7440-47-3	Chromium	E200.8	mg/kg	52.3	18.1	J	11.4	J	16.2		12.5	J
7440-48-4	Cobalt	E200.8	mg/kg	2.34	7	J	2.3	J	3.7		0.56	UJ
7440-50-8	Copper	E200.8	mg/kg	18.7	12.5	J			6.3	J	2.8	J
7439-92-1	Lead	E200.8	mg/kg	30.2	12.6	J			7.9		3.7	J
7439-96-5	Manganese	E200.8	mg/kg	183	102	J			173		7.8	J
7440-02-0	Nickel	E200.8	mg/kg	15.9	15.9	J	3.7		8.8	J	0.78	
7782-49-2	Selenium	E200.8	mg/kg	2	0.58	J	0.27	J	0.42	J	0.56	U
7440-22-4	Silver	E200.8	mg/kg	0.73	0.72	UJ	0.32	UJ	0.4	U	0.28	UJ
7440-28-0	Thallium	E200.8	mg/kg	100000	1.4	UJ	0.64	U	0.8	U	0.56	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	28.1	J	24.7	J	22.4	J	20.6	J
7440-66-6	Zinc	E200.8	mg/kg	124	60	J			27.6	J	7	
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.094	UJ	0.04	U	0.048	U	0.051	

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Raritan Bay Slagt Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 1 Sediment Samples > 12 inches

				sys_loc_code:	A44		A45		A46		A47	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A44 12-24		A45 12-24		A46 12-24		A47 12-24	
				depth	12-24 in		12-24 in		12-24 in		12-24 in	
				sample_date:	07/17/2009		07/17/2009		07/17/2009		07/17/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	E200.7	mg/kg	7740	241		1430		460		1780	
7440-36-0	Antimony	E200.7	mg/kg	2								
7440-38-2	Arsenic	E200.7	mg/kg	0.389								
7440-70-2	Calcium	E200.7	mg/kg	NL	250	J	440	J	176	J	273	J
7440-50-8	Copper	E200.7	mg/kg	18.7								
7439-89-6	Iron	E200.7	mg/kg	2000	561		12600		5480		13600	
7439-92-1	Lead	E200.7	mg/kg	30.2								
7439-95-4	Magnesium	E200.7	mg/kg	NL	330	J	470	J	230	J	540	J
7439-96-5	Manganese	E200.7	mg/kg	183								
7440-09-7	Potassium	E200.7	mg/kg	NL	93.8	J	221	J	125	J	578	
7440-23-5	Sodium	E200.7	mg/kg	NL	2150	J	1890	J	1660	J	1890	J
7440-66-6	Zinc	E200.7	mg/kg	124								
7440-36-0	Antimony	E200.8	mg/kg	2	1.2	U	1.1	U	1.1	U	1.2	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389	0.18	J	3.6		1.9		7.2	
7440-39-3	Barium	E200.8	mg/kg	130.1	3.4	J	3.5	J	4.7	J	7	
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.31	U	0.28	U	0.29	U	0.53	
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.31	U	0.28	U	0.29	U	0.3	U
7440-47-3	Chromium	E200.8	mg/kg	52.3	3	J	11.1	J	3.1	J	10.5	J
7440-48-4	Cobalt	E200.8	mg/kg	2.34	0.62	UJ	0.95	J	0.57	UJ	8.6	J
7440-50-8	Copper	E200.8	mg/kg	18.7	1.9	J	5.8	J	2.2	J	9.4	J
7439-92-1	Lead	E200.8	mg/kg	30.2	1.9	J	4.4	J	3.7	J	10.6	J
7439-96-5	Manganese	E200.8	mg/kg	183	0.98	J	8.3	J	1.5	J	10.9	J
7440-02-0	Nickel	E200.8	mg/kg	15.9	0.16	J	1		0.32	J	10.6	
7782-49-2	Selenium	E200.8	mg/kg	2	0.62	U	0.24	J	0.12	J	0.36	J
7440-22-4	Silver	E200.8	mg/kg	0.73	0.31	UJ	0.28	UJ	0.29	U	0.3	UJ
7440-28-0	Thallium	E200.8	mg/kg	100000	0.62	U	0.56	U	0.57	U	0.6	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	0.62	U	39.9	J	6	J	19.5	J
7440-66-6	Zinc	E200.8	mg/kg	124	1.4	J	9		4		44.4	
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.039	U	0.036	U	0.036	U	0.049	

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Raritan Bay Slagt Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 1 Sediment Samples > 12 inches

				sys_loc_code:	A48		A49		A5		A50	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A48 12-24		A49 12-24		A5 12-24		A50 12-24	
				depth	12-24 in		12-24 in		12-24 in		12-24 in	
				sample_date:	07/16/2009		07/16/2009		07/01/2009		07/16/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	E200.7	mg/kg	7740	2060		1910	J	2020	J	2320	
7440-36-0	Antimony	E200.7	mg/kg	2					1190			
7440-38-2	Arsenic	E200.7	mg/kg	0.389					1340	J		
7440-70-2	Calcium	E200.7	mg/kg	NL	329	J	286	J	789		503	J
7440-50-8	Copper	E200.7	mg/kg	18.7					4950	J		
7439-89-6	Iron	E200.7	mg/kg	2000	10400		21900	J	95400	J	38200	
7439-92-1	Lead	E200.7	mg/kg	30.2					28200			
7439-95-4	Magnesium	E200.7	mg/kg	NL	477	J	450	J	540		595	
7439-96-5	Manganese	E200.7	mg/kg	183					144	J		
7440-09-7	Potassium	E200.7	mg/kg	NL	524	J	592	J	188	J	571	U
7440-23-5	Sodium	E200.7	mg/kg	NL	2130		1880	J	1510		1900	
7440-66-6	Zinc	E200.7	mg/kg	124					744			
7440-36-0	Antimony	E200.8	mg/kg	2	1.3	U	1.3	U			1.2	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389	3.2		5.8				12.6	
7440-39-3	Barium	E200.8	mg/kg	130.1	29.7	J	5.4	J	15	J	5.7	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.61		0.63		0.37		0.48	
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.13	J	0.062	J	2.8		0.41	
7440-47-3	Chromium	E200.8	mg/kg	52.3	14.9	J	9.9	J	17.6		21.3	J
7440-48-4	Cobalt	E200.8	mg/kg	2.34	7.2	J	8.8	J	3.8	J	4.5	J
7440-50-8	Copper	E200.8	mg/kg	18.7	12.1	J	8.4				6.4	
7439-92-1	Lead	E200.8	mg/kg	30.2	10.5	J	9.5	J			7.1	J
7439-96-5	Manganese	E200.8	mg/kg	183	9.8	J	9.3	J			27.1	J
7440-02-0	Nickel	E200.8	mg/kg	15.9	9.7	J	9.9	J	16.3	J	6.3	J
7782-49-2	Selenium	E200.8	mg/kg	2	0.38	J	0.64	UJ	0.88		0.58	J
7440-22-4	Silver	E200.8	mg/kg	0.73	0.33	UJ	0.32	UJ	1	J	0.31	UJ
7440-28-0	Thallium	E200.8	mg/kg	100000	0.65	U	0.64	U	0.4	U	0.69	
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	25.3	J	23.1	J	46.5		45.8	J
7440-66-6	Zinc	E200.8	mg/kg	124	38.9	J	25.9	J			33.7	
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.039	U	0.039	U	0.089		0.037	U

R2-0000271

Raritan Bay Slagt Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 1 Sediment Samples > 12 inches

				sys_loc_code:	A51		A52		A53		A54	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A51 12-24		A52 12-24		A53 12-24		A54 12-24	
				depth	12-24 in		12-24 in		12-24 in		12-24 in	
				sample_date:	07/16/2009		07/16/2009		07/16/2009		07/16/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	E200.7	mg/kg	7740	4610	J	12700	J	12200		14000	J
7440-36-0	Antimony	E200.7	mg/kg	2								
7440-38-2	Arsenic	E200.7	mg/kg	0.389								
7440-70-2	Calcium	E200.7	mg/kg	NL	402	J	1900	J	2050		2750	J
7440-50-8	Copper	E200.7	mg/kg	18.7								
7439-89-6	Iron	E200.7	mg/kg	2000	77000	J	36900	J	35500		36700	J
7439-92-1	Lead	E200.7	mg/kg	30.2								
7439-95-4	Magnesium	E200.7	mg/kg	NL	388	J	5760	J	5950		6370	J
7439-96-5	Manganese	E200.7	mg/kg	183								
7440-09-7	Potassium	E200.7	mg/kg	NL	511	UJ	2840	J	2860		3070	J
7440-23-5	Sodium	E200.7	mg/kg	NL	1440	J	6740	J	6230		7720	J
7440-66-6	Zinc	E200.7	mg/kg	124								
7440-36-0	Antimony	E200.8	mg/kg	2	1.1	UJ	1.9	U	1.8	U	2.1	UJ
7440-38-2	Arsenic	E200.8	mg/kg	0.389	3.6		10.4		10.9		16.3	J
7440-39-3	Barium	E200.8	mg/kg	130.1	1.8	J	18.1		19.8	J	25.9	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.73		0.86		0.96		0.94	J
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.059	J	0.2	J	0.23	J	0.15	J
7440-47-3	Chromium	E200.8	mg/kg	52.3	25	J	23.1	J	24.9	J	27.1	J
7440-48-4	Cobalt	E200.8	mg/kg	2.34	0.94	J	7	J	7.3		8	J
7440-50-8	Copper	E200.8	mg/kg	18.7	8.9		11.8		12.3		13.9	J
7439-92-1	Lead	E200.8	mg/kg	30.2	8.1	J	13.3	J	14.3	J	14.6	J
7439-96-5	Manganese	E200.8	mg/kg	183	24.1	J	244	J	258		370	J
7440-02-0	Nickel	E200.8	mg/kg	15.9	2.7	J	17.1	J	18		20.3	J
7782-49-2	Selenium	E200.8	mg/kg	2	0.55	UJ	0.94	U	0.16	J	1	UJ
7440-22-4	Silver	E200.8	mg/kg	0.73	0.27	UJ	0.47	UJ	0.45	UJ	0.52	UJ
7440-28-0	Thallium	E200.8	mg/kg	100000	0.55	U	0.94	U	0.9	U	1	UJ
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	67.7	J	29	J	33.4	J	34	J
7440-66-6	Zinc	E200.8	mg/kg	124	16.9	J	59.6	J	62.7	J	67.2	J
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.029	J	0.058	U	0.055	U	0.063	UJ

R2-0000272

Raritan Bay Slagt Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 1 Sediment Samples > 12 inches

				sys_loc_code:	A55		A56		A57		A58	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A55 12-24		A56 12-24		A57 12-24		A58 12-24	
				depth	12-24 in		12-24 in		12-24 in		12-24 in	
				sample_date:	07/16/2009		07/16/2009		07/16/2009		07/16/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	E200.7	mg/kg	7740	5530	J	5080	J	8210	J	1180	J
7440-36-0	Antimony	E200.7	mg/kg	2								
7440-38-2	Arsenic	E200.7	mg/kg	0.389								
7440-70-2	Calcium	E200.7	mg/kg	NL	5690	J	5650	J	5560	J	182	J
7440-50-8	Copper	E200.7	mg/kg	18.7								
7439-89-6	Iron	E200.7	mg/kg	2000	31100	J	22600	J	19500	J	1790	J
7439-92-1	Lead	E200.7	mg/kg	30.2								
7439-95-4	Magnesium	E200.7	mg/kg	NL	5450	J	5690	J	4030	J	241	J
7439-96-5	Manganese	E200.7	mg/kg	183								
7440-09-7	Potassium	E200.7	mg/kg	NL	1770	UJ	2343	UJ	1670	UJ	552	UJ
7440-23-5	Sodium	E200.7	mg/kg	NL	13800	J	18900	J	11800	J	552	UJ
7440-66-6	Zinc	E200.7	mg/kg	124								
7440-36-0	Antimony	E200.8	mg/kg	2	4.3	UJ	5.4	UJ	4.5	UJ	1.1	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389	4.5	J	5	J	4.3	J	0.4	J
7440-39-3	Barium	E200.8	mg/kg	130.1	10.4	J	14.4	J	12.1	J	4.5	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6	1.1	UJ	1.4	UJ	1.5	J	0.28	U
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.15	J	0.24	J	0.21	J	0.022	J
7440-47-3	Chromium	E200.8	mg/kg	52.3	11.5	J	13.2	J	10.3	J	4.6	J
7440-48-4	Cobalt	E200.8	mg/kg	2.34	4.5	J	5.4	J	10.4	J	0.56	UJ
7440-50-8	Copper	E200.8	mg/kg	18.7	10.8	J	10.8	J	17.8	J	2.2	J
7439-92-1	Lead	E200.8	mg/kg	30.2	14	J	4.9	J	5.6	J	4.4	J
7439-96-5	Manganese	E200.8	mg/kg	183	79	J	65.3	J	52	J	4.5	J
7440-02-0	Nickel	E200.8	mg/kg	15.9	8.9	J	13.9	J	13.3	J	0.42	J
7782-49-2	Selenium	E200.8	mg/kg	2	2.1	UJ	0.42	J	2.2	UJ	0.56	U
7440-22-4	Silver	E200.8	mg/kg	0.73	1.1	UJ	1.4	UJ	1.1	UJ	0.28	UJ
7440-28-0	Thallium	E200.8	mg/kg	100000	2.1	UJ	2.7	UJ	2.2	UJ	0.56	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	21.2	J	26.5	J	28	J	8.3	J
7440-66-6	Zinc	E200.8	mg/kg	124	52.4	J	64.5	J	29.6	J	2.7	J
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.15	UJ	0.16	UJ	0.15	UJ	0.037	U

R2-0000273

Raritan Bay Slagt Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 1 Sediment Samples > 12 inches

				sys_loc_code:	A59		A61		A62		A63	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A59 12-24		A61 12-24		A62 12-24		A63 12-24	
				depth	12-24 in		12-24 in		12-24 in		12-24 in	
				sample_date:	07/16/2009		07/22/2009		07/20/2009		07/20/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	E200.7	mg/kg	7740	442		13600	J	15900	J	13200	J
7440-36-0	Antimony	E200.7	mg/kg	2								
7440-38-2	Arsenic	E200.7	mg/kg	0.389								
7440-70-2	Calcium	E200.7	mg/kg	NL	133	J	1290		1810	J	1850	J
7440-50-8	Copper	E200.7	mg/kg	18.7								
7439-89-6	Iron	E200.7	mg/kg	2000	478		34300	J	32200	J	27400	J
7439-92-1	Lead	E200.7	mg/kg	30.2								
7439-95-4	Magnesium	E200.7	mg/kg	NL	114	J	5260	J	6180	J	5080	J
7439-96-5	Manganese	E200.7	mg/kg	183								
7440-09-7	Potassium	E200.7	mg/kg	NL	72.5	J	3160	J	3580	J	2980	J
7440-23-5	Sodium	E200.7	mg/kg	NL	580	U	5840	J	6650	J	5100	J
7440-66-6	Zinc	E200.7	mg/kg	124								
7440-36-0	Antimony	E200.8	mg/kg	2	1.2	U	1.8	U	2	U	1.7	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389	0.31	UJ	13.9		14.8		10	
7440-39-3	Barium	E200.8	mg/kg	130.1	1.2	J	20.9	J	21.3	J	16.3	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.31	U	0.84		0.91		0.73	
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.31	U	0.46	U	0.5	U	0.41	U
7440-47-3	Chromium	E200.8	mg/kg	52.3	1.2	UJ	29.6		31.8		22.6	
7440-48-4	Cobalt	E200.8	mg/kg	2.34	0.62	U	6.7		7.5		5.2	
7440-50-8	Copper	E200.8	mg/kg	18.7	1	J	10.4	J	11.3		8.1	
7439-92-1	Lead	E200.8	mg/kg	30.2	1.4	J	11.6		12.1		9	
7439-96-5	Manganese	E200.8	mg/kg	183	1.7		271		371		240	
7440-02-0	Nickel	E200.8	mg/kg	15.9	0.19	J	16.8	J	17.7		12.9	
7782-49-2	Selenium	E200.8	mg/kg	2	0.082	J	0.78	J	0.91	J	0.61	J
7440-22-4	Silver	E200.8	mg/kg	0.73	0.31	UJ	0.46	U	0.5	U	0.41	U
7440-28-0	Thallium	E200.8	mg/kg	100000	0.62	U	0.92	U	0.99	U	0.83	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	0.96	J	38.5	J	45.8	J	33.2	J
7440-66-6	Zinc	E200.8	mg/kg	124	3.3	J	53.2	J	56.1		42.3	
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.038	U	0.055	U	0.06	U	0.05	U

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Raritan Bay Slagt Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 1 Sediment Samples > 12 inches

				sys_loc_code:	A64		A65		A66		A67	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A64 12-24		A65 12-24		A66 12-24		A67 12-24	
				depth	12-24 in		12-24 in		12-24 in		12-24 in	
				sample_date:	07/20/2009		07/20/2009		07/20/2009		07/20/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	E200.7	mg/kg	7740	3590		4280		4260		889	
7440-36-0	Antimony	E200.7	mg/kg	2								
7440-38-2	Arsenic	E200.7	mg/kg	0.389								
7440-70-2	Calcium	E200.7	mg/kg	NL	662	UJ	652	UJ	661	UJ	622	UJ
7440-50-8	Copper	E200.7	mg/kg	18.7								
7439-89-6	Iron	E200.7	mg/kg	2000	4130		3900		6490		5320	
7439-92-1	Lead	E200.7	mg/kg	30.2								
7439-95-4	Magnesium	E200.7	mg/kg	NL	721		674		770		622	U
7439-96-5	Manganese	E200.7	mg/kg	183								
7440-09-7	Potassium	E200.7	mg/kg	NL	854		832		753		622	U
7440-23-5	Sodium	E200.7	mg/kg	NL	2670		2350		2450		1370	
7440-66-6	Zinc	E200.7	mg/kg	124								
7440-36-0	Antimony	E200.8	mg/kg	2	1.3	U	1.3	U	1.3	U	1.2	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389	1.6	J	1.3	J	5.4	J	4.2	J
7440-39-3	Barium	E200.8	mg/kg	130.1	32	J	9.5	J	8.5	J	9.6	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.072	J	0.11	J	0.72		0.045	J
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.33	U	0.33	U	0.33	U	0.31	U
7440-47-3	Chromium	E200.8	mg/kg	52.3	23		15.4		21.8		4.3	
7440-48-4	Cobalt	E200.8	mg/kg	2.34	0.66	U	0.65	U	8.7		0.62	U
7440-50-8	Copper	E200.8	mg/kg	18.7	9.7		9.4		24.1		1.6	
7439-92-1	Lead	E200.8	mg/kg	30.2	6.5		9.8		12		4.2	
7439-96-5	Manganese	E200.8	mg/kg	183	1.9		1.3		64.3		3	
7440-02-0	Nickel	E200.8	mg/kg	15.9	0.66	U	0.65	U	13.9		0.62	U
7782-49-2	Selenium	E200.8	mg/kg	2	0.66	U	0.65	U	1.9		0.62	U
7440-22-4	Silver	E200.8	mg/kg	0.73	0.33	U	0.33	U	0.33	U	0.31	U
7440-28-0	Thallium	E200.8	mg/kg	100000	0.66	U	0.65	U	0.66	U	0.62	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	14		9.7		36.4		7.3	
7440-66-6	Zinc	E200.8	mg/kg	124	1.1	J	3.8	J	41.4	J	1.6	J
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.05	J	0.031	J	0.043	J	0.037	U

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Raritan Bay Slagt Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 1 Sediment Samples > 12 inches

				sys_loc_code:	A68		A69		A70		A71	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A68-12-24		A69 12-24		A70 12-24		A71 12-24	
				depth	12-24 in		12-24 in		12-24 in		12-24 in	
				sample_date:	07/17/2009		07/20/2009		07/20/2009		07/17/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	E200.7	mg/kg	7740	12800		1610		2270		255	
7440-36-0	Antimony	E200.7	mg/kg	2								
7440-38-2	Arsenic	E200.7	mg/kg	0.389								
7440-70-2	Calcium	E200.7	mg/kg	NL	3610		472	J	89.2	J	195	J
7440-50-8	Copper	E200.7	mg/kg	18.7								
7439-89-6	Iron	E200.7	mg/kg	2000	36900		3430		1590		493	J
7439-92-1	Lead	E200.7	mg/kg	30.2								
7439-95-4	Magnesium	E200.7	mg/kg	NL	6080		631	U	641	U	288	J
7439-96-5	Manganese	E200.7	mg/kg	183								
7440-09-7	Potassium	E200.7	mg/kg	NL	2930		631	U	641	U	141	J
7440-23-5	Sodium	E200.7	mg/kg	NL	7030		1090		641	U	1710	J
7440-66-6	Zinc	E200.7	mg/kg	124								
7440-36-0	Antimony	E200.8	mg/kg	2	1.9	U	1.3	U	1.3	U	1.2	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389	11.4		4.2	J	0.67	J	0.3	J
7440-39-3	Barium	E200.8	mg/kg	130.1	21.7	J	6.3	UJ	9.2	J	2.7	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.99		0.31	U	0.32	U	0.3	U
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.27	J	0.31	U	0.32	U	0.3	U
7440-47-3	Chromium	E200.8	mg/kg	52.3	26.1	J	7.4		4		1.7	
7440-48-4	Cobalt	E200.8	mg/kg	2.34	7.2	J	0.63	U	0.64	U	0.59	UJ
7440-50-8	Copper	E200.8	mg/kg	18.7	11.8		5		3.9		1.5	J
7439-92-1	Lead	E200.8	mg/kg	30.2	14	J	8.9		5.1		6.2	J
7439-96-5	Manganese	E200.8	mg/kg	183	258	J	17.4		8		2.2	
7440-02-0	Nickel	E200.8	mg/kg	15.9	18.1	J	1.3		0.69		0.27	J
7782-49-2	Selenium	E200.8	mg/kg	2	0.4	J	0.63	U	0.64	U	0.59	U
7440-22-4	Silver	E200.8	mg/kg	0.73	0.48	UJ	0.31	U	0.32	U	0.3	U
7440-28-0	Thallium	E200.8	mg/kg	100000	0.95	U	0.63	U	0.64	U	0.59	UJ
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	38.4	J	10.6		11		3.2	J
7440-66-6	Zinc	E200.8	mg/kg	124	61.9		14.5	J	2.4	J	1.4	
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.057	U	0.042	J	0.038	U	0.039	U

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Raritan Bay Slagt Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 1 Sediment Samples > 12 inches

				sys_loc_code:	A72		A73		A74		A75	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A72 12-24		A73 12-24		A74 12-24		A75 12-24	
				depth	12-24 in		12-24 in		12-24 in		12-24 in	
				sample_date:	07/17/2009		07/17/2009		07/17/2009		07/17/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	E200.7	mg/kg	7740	1390		1030		195		527	
7440-36-0	Antimony	E200.7	mg/kg	2								
7440-38-2	Arsenic	E200.7	mg/kg	0.389								
7440-70-2	Calcium	E200.7	mg/kg	NL	366	J	672		223	J	200	J
7440-50-8	Copper	E200.7	mg/kg	18.7								
7439-89-6	Iron	E200.7	mg/kg	2000	3160	J	2100	J	857		910	
7439-92-1	Lead	E200.7	mg/kg	30.2								
7439-95-4	Magnesium	E200.7	mg/kg	NL	364	J	465	J	291	J	377	J
7439-96-5	Manganese	E200.7	mg/kg	183								
7440-09-7	Potassium	E200.7	mg/kg	NL	202	J	175	J	124	J	177	J
7440-23-5	Sodium	E200.7	mg/kg	NL	1110	J	1350	J	1790	J	1900	J
7440-66-6	Zinc	E200.7	mg/kg	124								
7440-36-0	Antimony	E200.8	mg/kg	2	0.11	U	1.3	U	1.2	U	1.1	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389	1.8	J	0.31	U	0.72	J	0.29	R
7440-39-3	Barium	E200.8	mg/kg	130.1	7.2		10.4		3.2	J	5.8	
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.28	U	0.31	U	0.29	U	0.29	U
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.037	J	0.023	J	0.018	J	0.29	U
7440-47-3	Chromium	E200.8	mg/kg	52.3	5.3		2.9		2.7	J	2.1	J
7440-48-4	Cobalt	E200.8	mg/kg	2.34	0.57	UJ	0.63	UJ	0.58	UJ	0.57	UJ
7440-50-8	Copper	E200.8	mg/kg	18.7	3.3		1.4	J	1.2	J	1.7	J
7439-92-1	Lead	E200.8	mg/kg	30.2	4.2	J	3.2	J	2.5		2.4	
7439-96-5	Manganese	E200.8	mg/kg	183	2.7		2.3		2.7		6.7	
7440-02-0	Nickel	E200.8	mg/kg	15.9	0.55	J	0.32	J	0.26	J	0.93	J
7782-49-2	Selenium	E200.8	mg/kg	2	0.13	J	0.63	U	0.58	U	0.57	U
7440-22-4	Silver	E200.8	mg/kg	0.73	0.28	UJ	0.31	U	0.29	U	0.29	U
7440-28-0	Thallium	E200.8	mg/kg	100000	0.57	UJ	0.63	UJ	0.58	U	0.57	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	8.4	J	2.2	J	2.8	J	4	J
7440-66-6	Zinc	E200.8	mg/kg	124	1.7		1.7		2.1	J	3.5	
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.037	U	0.038	U	0.039	U	0.032	J

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Raritan Bay Slagt Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 1 Sediment Samples > 12 inches

				sys_loc_code:	A77		A78		A79		A8	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A77 12-24		A78 12-24		A79 12-24		A8 12-24	
				depth	12-24 in		12-24 in		12-24 in		12-24 in	
				sample_date:	07/17/2009		07/17/2009		07/17/2009		07/01/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	E200.7	mg/kg	7740	549		635		816		2480	
7440-36-0	Antimony	E200.7	mg/kg	2								
7440-38-2	Arsenic	E200.7	mg/kg	0.389							19.4	
7440-70-2	Calcium	E200.7	mg/kg	NL	192	J	168	J	168	J	549	U
7440-50-8	Copper	E200.7	mg/kg	18.7							15.6	
7439-89-6	Iron	E200.7	mg/kg	2000	1270		1200		1560		46700	
7439-92-1	Lead	E200.7	mg/kg	30.2							20.6	R
7439-95-4	Magnesium	E200.7	mg/kg	NL	325	J	346	J	214	J	533	J
7439-96-5	Manganese	E200.7	mg/kg	183							53.9	J
7440-09-7	Potassium	E200.7	mg/kg	NL	182	J	178	J	370	J	212	J
7440-23-5	Sodium	E200.7	mg/kg	NL	1670	J	1580	J	578	UJ	1420	
7440-66-6	Zinc	E200.7	mg/kg	124							82.1	
7440-36-0	Antimony	E200.8	mg/kg	2	1.2	U	1.2	U	1.2	U	0.98	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389	0.22	R	0.57	R	0.84	J		
7440-39-3	Barium	E200.8	mg/kg	130.1	4.6	J	4.4	J	4.3	J	4.9	UJ
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.29	U	0.29	U	0.29	U	0.29	
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.024	J	0.055	J	0.016	J	0.25	
7440-47-3	Chromium	E200.8	mg/kg	52.3	3	J	2.5	J	2.1	J	12.9	
7440-48-4	Cobalt	E200.8	mg/kg	2.34	0.58	UJ	1.4	J	0.58	UJ	1.2	J
7440-50-8	Copper	E200.8	mg/kg	18.7	2.8	J	2.5	J	4.3	J		
7439-92-1	Lead	E200.8	mg/kg	30.2	3.2		3.3		5.3			
7439-96-5	Manganese	E200.8	mg/kg	183	7.6		9		6.2			
7440-02-0	Nickel	E200.8	mg/kg	15.9	0.6	J	1.8	J	0.39	J	5	J
7782-49-2	Selenium	E200.8	mg/kg	2	0.58	U	0.58	U	0.58	U	0.49	U
7440-22-4	Silver	E200.8	mg/kg	0.73	0.29	UJ	0.29	UJ	0.29	U	0.25	UJ
7440-28-0	Thallium	E200.8	mg/kg	100000	0.58	U	0.58	U	0.58	U	0.49	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	2.2	J	3.7	J	5	J	26.4	
7440-66-6	Zinc	E200.8	mg/kg	124	2.9		10.3		2.8			
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.037	U	0.037	U	0.038	U	0.098	

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Raritan Bay Slagt Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 1 Sediment Samples > 12 inches

				sys_loc_code:	A80		A81		A82		A83	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A80 12-24		A81 12-24		A82 12-24		A83 12-24	
				depth	12-24 in		12-24 in		12-24 in		12-24 in	
				sample_date:	07/17/2009		07/20/2009		07/20/2009		07/20/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	E200.7	mg/kg	7740	360		14500	J	13500	J	2870	J
7440-36-0	Antimony	E200.7	mg/kg	2								
7440-38-2	Arsenic	E200.7	mg/kg	0.389								
7440-70-2	Calcium	E200.7	mg/kg	NL	112	J	1680		2090		654	U
7440-50-8	Copper	E200.7	mg/kg	18.7								
7439-89-6	Iron	E200.7	mg/kg	2000	971		32300	J	33100		11300	
7439-92-1	Lead	E200.7	mg/kg	30.2								
7439-95-4	Magnesium	E200.7	mg/kg	NL	102	J	5870	J	5610		669	
7439-96-5	Manganese	E200.7	mg/kg	183								
7440-09-7	Potassium	E200.7	mg/kg	NL	72.9	J	3350		3270		654	U
7440-23-5	Sodium	E200.7	mg/kg	NL	595	UJ	5970	J	6690		2130	
7440-66-6	Zinc	E200.7	mg/kg	124								
7440-36-0	Antimony	E200.8	mg/kg	2	1.2	U	1.8	U	2	U	1.3	UJ
7440-38-2	Arsenic	E200.8	mg/kg	0.389	0.22	R	13.5	J	13.1		2	J
7440-39-3	Barium	E200.8	mg/kg	130.1	4	J	20.7	J	20.9	J	4.7	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.3	U	0.81		0.85		0.14	J
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.3	U	0.45	U	0.17	J	0.023	J
7440-47-3	Chromium	E200.8	mg/kg	52.3	2.3	J	30.7		30.2		4.9	J
7440-48-4	Cobalt	E200.8	mg/kg	2.34	0.6	UJ	7.5		7.4		0.54	J
7440-50-8	Copper	E200.8	mg/kg	18.7	1.8	J	11.1		11.5		2.4	J
7439-92-1	Lead	E200.8	mg/kg	30.2	2		12.1		12.9		3.4	J
7439-96-5	Manganese	E200.8	mg/kg	183	6.1		329		291		9	J
7440-02-0	Nickel	E200.8	mg/kg	15.9	0.45	J	18.4		18.1	J	1.1	J
7782-49-2	Selenium	E200.8	mg/kg	2	0.6	U	0.84	J	0.73	J	0.31	J
7440-22-4	Silver	E200.8	mg/kg	0.73	0.3	U	0.45	UJ	0.49	U	0.33	UJ
7440-28-0	Thallium	E200.8	mg/kg	100000	0.6	U	0.91	U	0.98	U	0.65	UJ
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	2.9	J	39.1	J	38.4	J	12.7	J
7440-66-6	Zinc	E200.8	mg/kg	124	2.4		59.7		59.5	J	3	J
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.037	U	0.25		0.059	U	0.039	UJ

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Raritan Bay Slagt Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 1 Sediment Samples > 12 inches

				sys_loc_code:	A84		A85		A86		A87	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A84 12-24		A85 12-24		A86 12-24		A87 12-24	
				depth	12-24 in		12-24 in		12-24 in		12-24 in	
				sample_date:	07/20/2009		07/20/2009		07/20/2009		07/20/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	E200.7	mg/kg	7740	1030	J	3090	J	1120	J	391	J
7440-36-0	Antimony	E200.7	mg/kg	2								
7440-38-2	Arsenic	E200.7	mg/kg	0.389								
7440-70-2	Calcium	E200.7	mg/kg	NL	633	U	605	U	625	U	122	J
7440-50-8	Copper	E200.7	mg/kg	18.7								
7439-89-6	Iron	E200.7	mg/kg	2000	1360		5820		2960		437	
7439-92-1	Lead	E200.7	mg/kg	30.2								
7439-95-4	Magnesium	E200.7	mg/kg	NL	447	J	556	J	392	J	250	J
7439-96-5	Manganese	E200.7	mg/kg	183								
7440-09-7	Potassium	E200.7	mg/kg	NL	633	U	1010		625	U	645	U
7440-23-5	Sodium	E200.7	mg/kg	NL	1790		1890		1460		1180	
7440-66-6	Zinc	E200.7	mg/kg	124								
7440-36-0	Antimony	E200.8	mg/kg	2	1.3	U	1.2	U	1.2	UJ	1.3	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389	0.56		1.7		1.7	J	0.5	
7440-39-3	Barium	E200.8	mg/kg	130.1	4.1	J	7.7	J	4.5	J	2.9	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.32	U	0.074	J	0.05	J	0.32	U
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.32	U	0.3	U	0.31	UJ	0.32	U
7440-47-3	Chromium	E200.8	mg/kg	52.3	3.6		6.9		7.6	J	1.1	J
7440-48-4	Cobalt	E200.8	mg/kg	2.34	0.17	J	0.19	J	0.17	J	0.064	J
7440-50-8	Copper	E200.8	mg/kg	18.7	2.3		5.8		3	J	0.76	J
7439-92-1	Lead	E200.8	mg/kg	30.2	2.2		6.2		4	J	1.7	
7439-96-5	Manganese	E200.8	mg/kg	183	4.7		3.9		5	J	2.8	
7440-02-0	Nickel	E200.8	mg/kg	15.9	0.54	J	0.42	J	0.48	J	0.35	J
7782-49-2	Selenium	E200.8	mg/kg	2	0.63	U	0.6	U	0.63	UJ	0.65	U
7440-22-4	Silver	E200.8	mg/kg	0.73	0.32	U	0.3	U	0.31	UJ	0.32	U
7440-28-0	Thallium	E200.8	mg/kg	100000	0.63	U	0.6	U	0.63	UJ	0.65	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	5.3	J	6.7	J	12.5	J	1.3	J
7440-66-6	Zinc	E200.8	mg/kg	124	2	J	2.8	J	1.6	J	1.5	J
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.038	U	0.036	U	0.037	UJ	0.039	U

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Raritan Bay Slagt Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 1 Sediment Samples > 12 inches

				sys_loc_code:	A88		A89		A90		A91	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A88 12-24		A89 12-24		A90 12-24		A91 12-24	
				depth	12-24 in		12-24 in		12-24 in		12-24 in	
				sample_date:	07/20/2009		07/20/2009		07/20/2009		07/20/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	E200.7	mg/kg	7740	2180	J	4250	J	1820	J	821	J
7440-36-0	Antimony	E200.7	mg/kg	2								
7440-38-2	Arsenic	E200.7	mg/kg	0.389								
7440-70-2	Calcium	E200.7	mg/kg	NL	114	J	219	J	101	J	81.8	J
7440-50-8	Copper	E200.7	mg/kg	18.7								
7439-89-6	Iron	E200.7	mg/kg	2000	1180	J	7400	J	3610	J	1300	J
7439-92-1	Lead	E200.7	mg/kg	30.2								
7439-95-4	Magnesium	E200.7	mg/kg	NL	520	J	542	J	253	J	644	UJ
7439-96-5	Manganese	E200.7	mg/kg	183								
7440-09-7	Potassium	E200.7	mg/kg	NL	296	J	575	J	230	J	644	U
7440-23-5	Sodium	E200.7	mg/kg	NL	1810	J	1580	J	1200	J	2180	
7440-66-6	Zinc	E200.7	mg/kg	124								
7440-36-0	Antimony	E200.8	mg/kg	2	1.2	U	1.2	U	1.2	U	1.3	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389	0.57	J	1.3	J	1.3	J	0.3	J
7440-39-3	Barium	E200.8	mg/kg	130.1	6	J	3.4	J	1.8	J	6.4	UJ
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.067	J	0.33		0.076	J	0.32	U
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.31	U	0.31	U	0.3	U	0.32	U
7440-47-3	Chromium	E200.8	mg/kg	52.3	1.1	J	4.6		2.8		1.3	UJ
7440-48-4	Cobalt	E200.8	mg/kg	2.34	0.17	J	0.3	J	0.14	J	0.64	U
7440-50-8	Copper	E200.8	mg/kg	18.7	0.69	J	2.6		1.2	J	1.3	U
7439-92-1	Lead	E200.8	mg/kg	30.2	2.7		4		1.7		2	
7439-96-5	Manganese	E200.8	mg/kg	183	5.8		5.8		7.7		3.8	J
7440-02-0	Nickel	E200.8	mg/kg	15.9	0.62	UJ	0.85	J	0.6	UJ	0.64	U
7782-49-2	Selenium	E200.8	mg/kg	2	0.62	U	0.62	U	0.6	U	0.64	U
7440-22-4	Silver	E200.8	mg/kg	0.73	0.31	U	0.31	U	0.3	U	0.32	UJ
7440-28-0	Thallium	E200.8	mg/kg	100000	0.62	U	0.62	U	0.6	U	0.64	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	1.8	J	22.3	J	8.4	J	1.8	J
7440-66-6	Zinc	E200.8	mg/kg	124	3.2		5.5		4.3		1.3	U
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.038	U	0.037	UJ	0.036	U	0.039	U

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Raritan Bay Slagt Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 1 Sediment Samples > 12 inches

				sys_loc_code:	A92		A93		A94		A95	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A92 12-24		A93 12-24		A94 12-24		A95 12-24	
				depth	12-24 in		12-24 in		12-24 in		12-24 in	
				sample_date:	07/17/2009		07/20/2009		07/20/2009		07/20/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	E200.7	mg/kg	7740	877	J	1160	J	4390	J	1530	J
7440-36-0	Antimony	E200.7	mg/kg	2								
7440-38-2	Arsenic	E200.7	mg/kg	0.389								
7440-70-2	Calcium	E200.7	mg/kg	NL	167	J	50.1	J	257	J	47.8	J
7440-50-8	Copper	E200.7	mg/kg	18.7								
7439-89-6	Iron	E200.7	mg/kg	2000	2420	J	1200	J	2760	J	1710	J
7439-92-1	Lead	E200.7	mg/kg	30.2								
7439-95-4	Magnesium	E200.7	mg/kg	NL	367	J	631	UJ	743	J	464	J
7439-96-5	Manganese	E200.7	mg/kg	183								
7440-09-7	Potassium	E200.7	mg/kg	NL	130	J	631	U	1130		627	U
7440-23-5	Sodium	E200.7	mg/kg	NL	2060	J	1660		2440		1260	
7440-66-6	Zinc	E200.7	mg/kg	124								
7440-36-0	Antimony	E200.8	mg/kg	2	1.2	U	1.3	U	1.3	U	1.3	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389	0.37		0.3	J	2.5	J	0.67	J
7440-39-3	Barium	E200.8	mg/kg	130.1	3.7	J	6.3	UJ	14	J	8.7	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.31	U	0.32	U	0.12	J	0.087	J
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.019	J	0.32	U	0.32	U	0.31	U
7440-47-3	Chromium	E200.8	mg/kg	52.3	3.4	J	1.6	J	5.1	J	1.5	J
7440-48-4	Cobalt	E200.8	mg/kg	2.34	0.62	U	0.63	U	0.64	U	0.63	U
7440-50-8	Copper	E200.8	mg/kg	18.7	2.1	J	1.3	U	8.1		1.3	U
7439-92-1	Lead	E200.8	mg/kg	30.2	3.8		2.3		9.5		2.2	
7439-96-5	Manganese	E200.8	mg/kg	183	8.7	J	7.6	J	8.9	J	8.1	J
7440-02-0	Nickel	E200.8	mg/kg	15.9	0.62		0.63	U	0.64	U	0.63	U
7782-49-2	Selenium	E200.8	mg/kg	2	0.62	U	0.63	U	0.34	J	0.63	U
7440-22-4	Silver	E200.8	mg/kg	0.73	0.31	U	0.32	UJ	0.32	UJ	0.31	UJ
7440-28-0	Thallium	E200.8	mg/kg	100000	0.62	UJ	0.63	U	0.64	U	0.63	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	3.7	J	1.9	J	20.4	J	2.8	J
7440-66-6	Zinc	E200.8	mg/kg	124	2.6		1.4		1.4		3.2	
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.038	U	0.038	U	0.039	U	0.038	U

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Raritan Bay Slagt Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 1 Sediment Samples > 12 inches

				sys_loc_code:	A96		A97		A98		A99	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A96 12-24		A97 12-24		A98 12-24		A99 12-24	
				depth	12-24 in		12-24 in		12-24 in		12-24 in	
				sample_date:	07/20/2009		07/20/2009		06/30/2009		06/30/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	E200.7	mg/kg	7740	2040	J	4060	J	2530		1400	
7440-36-0	Antimony	E200.7	mg/kg	2								
7440-38-2	Arsenic	E200.7	mg/kg	0.389								
7440-70-2	Calcium	E200.7	mg/kg	NL	112	J	76.2	J	214	J	205	J
7440-50-8	Copper	E200.7	mg/kg	18.7								
7439-89-6	Iron	E200.7	mg/kg	2000	1000	J	18900	J	6620		8890	
7439-92-1	Lead	E200.7	mg/kg	30.2								
7439-95-4	Magnesium	E200.7	mg/kg	NL	295	J	218	J	794		627	U
7439-96-5	Manganese	E200.7	mg/kg	183								
7440-09-7	Potassium	E200.7	mg/kg	NL	608	U	784		633	U	627	U
7440-23-5	Sodium	E200.7	mg/kg	NL	608	U	639	U	443	J	1140	
7440-66-6	Zinc	E200.7	mg/kg	124								
7440-36-0	Antimony	E200.8	mg/kg	2	1.2	U	1.3	U	1.3	U	1.6	
7440-38-2	Arsenic	E200.8	mg/kg	0.389	0.37	J	1.9	J	4.9		6.9	
7440-39-3	Barium	E200.8	mg/kg	130.1	6.1	UJ	7.6	J	30	J	4.6	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.1	J	0.43		1.5		0.14	J
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.3	U	0.32	U	0.032	J	0.31	U
7440-47-3	Chromium	E200.8	mg/kg	52.3	1.2	UJ	6.5		9.6		9.9	
7440-48-4	Cobalt	E200.8	mg/kg	2.34	0.61	U	0.64	U	4.4		0.83	J
7440-50-8	Copper	E200.8	mg/kg	18.7	1.6		5.1		5.2		9.7	J
7439-92-1	Lead	E200.8	mg/kg	30.2	2.5		6.1		12.1		28.4	
7439-96-5	Manganese	E200.8	mg/kg	183	4.6	J	8.9	J	20.5		14.5	
7440-02-0	Nickel	E200.8	mg/kg	15.9	0.73		0.66		6.5		3.1	J
7782-49-2	Selenium	E200.8	mg/kg	2	0.61	U	0.33	J	0.45	J	0.52	J
7440-22-4	Silver	E200.8	mg/kg	0.73	0.3	UJ	0.32	UJ	0.32	UJ	0.31	U
7440-28-0	Thallium	E200.8	mg/kg	100000	0.61	U	0.64	U	0.63	U	0.63	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	1.6	J	28.4	J	20.2	J	14.7	J
7440-66-6	Zinc	E200.8	mg/kg	124	3.4		5.2		24.9		33.9	J
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.036	U	0.038	U	0.038	U	0.096	

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Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 1 Sediment Samples < 12 inches

				sys_loc_code:	SED01		SED03		SED04		SED05	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	RBS-SED01		RBS-SED03		RBS-SED04		RBS-SED05	
				depth	0-3 in		0-3 in		0-3 in		0-3 in	
				sample_date:	09/10/2008		09/10/2008		09/10/2008		09/10/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	C200.7	mg/kg	7740	607	J	1380	J	1020	J	2350	J
7439-89-6	Iron	C200.7	mg/kg	2000	9420	J	12100		10500		23000	
7439-92-1	Lead	C200.7	mg/kg	30.2	9.2	J	37.6	J	60.9	J	135	J
7439-95-4	Magnesium	C200.7	mg/kg	NL	271	J	639	U	672	U	716	
7439-96-5	Manganese	C200.7	mg/kg	183	16.7		60.8		41.3		56	
7440-02-0	Nickel	C200.7	mg/kg	15.9	4.9	U	5.1	U	5.4	U	5.4	U
7440-09-7	Potassium	C200.7	mg/kg	NL	129	J	262	J	262	J	429	J
7440-22-4	Silver	C200.7	mg/kg	0.73	1.2	U	1.3	U	1.3	U	0.17	J
7440-23-5	Sodium	C200.7	mg/kg	NL	1320		1620		2050		1850	
7440-28-0	Thallium	C200.7	mg/kg	100000	3.1	U	3.2	U	3.4	U	3.4	U
7440-31-5	Tin	C200.7	mg/kg	NL	12.3	U	12.8	U	13.4	U	13.5	U
7440-36-0	Antimony	C200.7	mg/kg	2	7.4	U	7.7	U	8.1	U	8.1	U
7440-38-2	Arsenic	C200.7	mg/kg	0.389	3		3.9		4.2		10.5	
7440-39-3	Barium	C200.7	mg/kg	130.1	24.6	UJ	25.6	UJ	26.9	UJ	27	UJ
7440-41-7	Beryllium	C200.7	mg/kg	15.6	0.62	U	0.64	U	0.67	U	0.68	U
7440-43-9	Cadmium	C200.7	mg/kg	0.68	0.62	U	0.64	U	0.67	U	0.68	U
7440-47-3	Chromium	C200.7	mg/kg	52.3	5.9	J	11.4		6.3		15.9	
7440-48-4	Cobalt	C200.7	mg/kg	2.34	6.2	U	6.4	U	6.7	U	6.8	U
7440-50-8	Copper	C200.7	mg/kg	18.7	2.1	J	7.5	J	7.4	J	15.1	J
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548	11		15.8		16.9		77.8	
7440-66-6	Zinc	C200.7	mg/kg	124	16.4		22		30.9		65.8	
7440-70-2	Calcium	C200.7	mg/kg	NL	616	U	639	U	1700		676	U
7782-49-2	Selenium	C200.7	mg/kg	2	4.3	U	4.5	U	4.7	U	4.7	U
7429-90-5	Aluminum	E200.7	mg/kg	7740								
7439-89-6	Iron	E200.7	mg/kg	2000								
7439-92-1	Lead	E200.7	mg/kg	30.2								
7439-95-4	Magnesium	E200.7	mg/kg	NL								
7439-96-5	Manganese	E200.7	mg/kg	183								
7440-02-0	Nickel	E200.7	mg/kg	15.9								
7440-09-7	Potassium	E200.7	mg/kg	NL								
7440-22-4	Silver	E200.7	mg/kg	0.73								
7440-23-5	Sodium	E200.7	mg/kg	NL								
7440-31-5	Tin	E200.7	mg/kg	NL								

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				sys_loc_code:	SED01		SED03		SED04		SED05	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	RBS-SED01		RBS-SED03		RBS-SED04		RBS-SED05	
				depth	0-3 in		0-3 in		0-3 in		0-3 in	
				sample_date:	09/10/2008		09/10/2008		09/10/2008		09/10/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7440-36-0	Antimony	E200.7	mg/kg	2								
7440-38-2	Arsenic	E200.7	mg/kg	0.389								
7440-47-3	Chromium	E200.7	mg/kg	52.3								
7440-50-8	Copper	E200.7	mg/kg	18.7								
7440-66-6	Zinc	E200.7	mg/kg	124								
7440-70-2	Calcium	E200.7	mg/kg	NL								
7439-92-1	Lead	E200.8	mg/kg	30.2								
7439-96-5	Manganese	E200.8	mg/kg	183								
7440-02-0	Nickel	E200.8	mg/kg	15.9								
7440-22-4	Silver	E200.8	mg/kg	0.73								
7440-28-0	Thallium	E200.8	mg/kg	100000								
7440-36-0	Antimony	E200.8	mg/kg	2								
7440-38-2	Arsenic	E200.8	mg/kg	0.389								
7440-39-3	Barium	E200.8	mg/kg	130.1								
7440-41-7	Beryllium	E200.8	mg/kg	15.6								
7440-43-9	Cadmium	E200.8	mg/kg	0.68								
7440-47-3	Chromium	E200.8	mg/kg	52.3								
7440-48-4	Cobalt	E200.8	mg/kg	2.34								
7440-50-8	Copper	E200.8	mg/kg	18.7								
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548								
7440-66-6	Zinc	E200.8	mg/kg	124								
7782-49-2	Selenium	E200.8	mg/kg	2								
7439-97-6	Mercury	E245.5	mg/kg	0.13								
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6								
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357								
309-00-2	Aldrin	CPEST	ug/kg	2								
319-84-6	Alpha-Bhc	CPEST	ug/kg	3								
319-85-7	Beta-Bhc	CPEST	ug/kg	3								
319-86-8	Delta-Bhc	CPEST	ug/kg	3								
33213-65-9	Endosulfan II	CPEST	ug/kg	14								
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19								
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7								
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7								

				sys_loc_code:	SED01		SED03		SED04		SED05	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	RBS-SED01		RBS-SED03		RBS-SED04		RBS-SED05	
				depth	0-3 in		0-3 in		0-3 in		0-3 in	
				sample_date:	09/10/2008		09/10/2008		09/10/2008		09/10/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL								
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32								
60-57-1	Dieldrin	CPEST	ug/kg	0.72								
72-20-8	Endrin	CPEST	ug/kg	2.67								
72-43-5	Methoxychlor	CPEST	ug/kg	29.6								
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22								
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07								
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL								
76-44-8	Heptachlor	CPEST	ug/kg	68								
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1								
959-98-8	Endosulfan I	CPEST	ug/kg	2.9								
11096-82-5	Aroclor 1260	E608	ug/kg	21.6								
11097-69-1	Aroclor 1254	E608	ug/kg	23								
11100-14-4	Aroclor 1268	E608	ug/kg	21.6								
11104-28-2	Aroclor 1221	E608	ug/kg	21.6								
11141-16-5	Aroclor 1232	E608	ug/kg	21.6								
12672-29-6	Aroclor 1248	E608	ug/kg	21.6								
12674-11-2	Aroclor 1016	E608	ug/kg	21.6								
37324-23-5	Aroclor 1262	E608	ug/kg	21.6								
53469-21-9	Aroclor 1242	E608	ug/kg	21.6								
100-41-4	Ethylbenzene	E624	ug/kg	305								
100-42-5	Styrene	E624	ug/kg	7070								
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL								
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL								
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460								
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7								
107-06-2	1,2-Dichloroethane	E624	ug/kg	432								
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000								
108-87-2	Methylcyclohexane	E624	ug/kg	NL								
108-88-3	Toluene	E624	ug/kg	1090								
108-90-7	Chlorobenzene	E624	ug/kg	162								
110-82-7	Cyclohexane	E624	ug/kg	117000								
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473								

				sys_loc_code:	SED01		SED03		SED04		SED05	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	RBS-SED01		RBS-SED03		RBS-SED04		RBS-SED05	
				depth	0-3 in		0-3 in		0-3 in		0-3 in	
				sample_date:	09/10/2008		09/10/2008		09/10/2008		09/10/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
123-91-1	1,4-Dioxane	E624	ug/kg	44100								
124-48-1	Dibromochloromethane	E624	ug/kg	680								
127-18-4	Tetrachloroethene	E624	ug/kg	190								
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200								
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300								
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300								
179601-23-1	m,p-Xylene	E624	ug/kg	NL								
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842								
56-23-5	Carbon tetrachloride	E624	ug/kg	248								
591-78-6	2-Hexanone	E624	ug/kg	20900								
67-64-1	Acetone	E624	ug/kg	6130000								
67-66-3	Chloroform	E624	ug/kg	295								
71-43-2	Benzene	E624	ug/kg	137								
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856								
74-83-9	Bromomethane	E624	ug/kg	732								
74-87-3	Chloromethane	E624	ug/kg	11900								
74-97-5	Bromochloromethane	E624	ug/kg	NL								
75-00-3	Chloroethane	E624	ug/kg	1450000								
75-01-4	Vinyl Chloride	E624	ug/kg	59.7								
75-09-2	Methylene chloride	E624	ug/kg	10700								
75-15-0	Carbon Disulfide	E624	ug/kg	0.851								
75-25-2	Bromoform	E624	ug/kg	1310								
75-27-4	Bromodichloromethane	E624	ug/kg	273								
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310								
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780								
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700								
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400								
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000								
78-87-5	1,2-Dichloropropane	E624	ug/kg	895								
78-93-3	2-Butanone	E624	ug/kg	2780000								
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570								
79-01-6	Trichloroethene	E624	ug/kg	1600								
79-20-9	Methyl Acetate	E624	ug/kg	7820000								

				sys_loc_code:	SED01		SED03		SED04		SED05	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	RBS-SED01		RBS-SED03		RBS-SED04		RBS-SED05	
				depth	0-3 in		0-3 in		0-3 in		0-3 in	
				sample_date:	09/10/2008		09/10/2008		09/10/2008		09/10/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202								
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858								
95-47-6	o-Xylene	E624	ug/kg	NL								
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989								
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35								
98-82-8	Isopropylbenzene	E624	ug/kg	86								
100-01-6	4-Nitroaniline	E625	ug/kg	24300								
100-02-7	4-Nitrophenol	E625	ug/kg	NL								
100-52-7	Benzaldehyde	E625	ug/kg	782000								
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230								
105-60-2	Caprolactam	E625	ug/kg	3060000								
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29								
106-44-5	4-Methylphenol	E625	ug/kg	670								
106-47-8	4-Chloroaniline	E625	ug/kg	2430								
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570								
108-95-2	Phenol	E625	ug/kg	420								
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214								
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300								
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182								
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL								
118-74-1	Hexachlorobenzene	E625	ug/kg	20								
120-12-7	Anthracene	E625	ug/kg	46.9								
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117								
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6								
129-00-0	Pyrene	E625	ug/kg	153								
131-11-3	Dimethylphthalate	E625	ug/kg	NL								
132-64-9	Dibenzofuran	E625	ug/kg	7300								
1912-24-9	Atrazine	E625	ug/kg	6.62								
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170								
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17								
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148								
206-44-0	Fluoranthene	E625	ug/kg	113								
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240								

				sys_loc_code:	SED01		SED03		SED04		SED05	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	RBS-SED01		RBS-SED03		RBS-SED04		RBS-SED05	
				depth	0-3 in		0-3 in		0-3 in		0-3 in	
				sample_date:	09/10/2008		09/10/2008		09/10/2008		09/10/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
208-96-8	Acenaphthylene	E625	ug/kg	5.87								
218-01-9	Chrysene	E625	ug/kg	108								
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8								
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200								
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611								
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22								
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8								
58-90-2	Chlorophenols	E625	ug/kg	284								
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000								
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120								
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4								
67-72-1	Hexachloroethane	E625	ug/kg	804								
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL								
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139								
78-59-1	Isophorone	E625	ug/kg	511000								
83-32-9	Acenaphthene	E625	ug/kg	6.71								
84-66-2	Diethylphthalate	E625	ug/kg	218								
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160								
85-01-8	Phenanthrene	E625	ug/kg	86.7								
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800								
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100								
86-73-7	Fluorene	E625	ug/kg	19								
86-74-8	Carbazole	E625	ug/kg	NL								
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110								
87-86-5	Pentachlorophenol	E625	ug/kg	2970								
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650								
88-74-4	2-Nitroaniline	E625	ug/kg	60600								
88-75-5	2-Nitrophenol	E625	ug/kg	NL								
91-20-3	Naphthalene	E625	ug/kg	34.6								
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2								
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000								
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080								
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220								

				sys_loc_code:	SED01		SED03		SED04		SED05	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	RBS-SED01		RBS-SED03		RBS-SED04		RBS-SED05	
				depth	0-3 in		0-3 in		0-3 in		0-3 in	
				sample_date:	09/10/2008		09/10/2008		09/10/2008		09/10/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
95-48-7	2-Methylphenol	E625	ug/kg	306000								
95-57-8	2-Chlorophenol	E625	ug/kg	344								
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830								
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819								
98-86-2	Acetophenone	E625	ug/kg	782000								
98-95-3	Nitrobenzene	E625	ug/kg	4790								
99-09-2	3-Nitroaniline	E625	ug/kg	NL								

Raritan Bay Slag Superfund Site
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Area 1 Sediment Samples < 12 inches

					sys_loc_code:	SED06		SED07		SED08		SED09	
					loc_name:	Area-01		Area-01		Area-01		Area-01	
					sys_sample_code:	RBS-SED06		RBS-SED07		RBS-SED08		RBS-SED09	
					depth	0-3 in		0-3 in		0-3 in		0-3 in	
					sample_date:	09/10/2008		09/12/2008		09/12/2008		09/12/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED									
7429-90-5	Aluminum	C200.7	mg/kg	7740		2500	J	3930	R	681	R	1010	R
7439-89-6	Iron	C200.7	mg/kg	2000		28500		96100		10400		19500	
7439-92-1	Lead	C200.7	mg/kg	30.2		252	J	5860		861		403	
7439-95-4	Magnesium	C200.7	mg/kg	NL		907		991		455	J	453	J
7439-96-5	Manganese	C200.7	mg/kg	183		87.3		174	R	48.5	R	65.9	R
7440-02-0	Nickel	C200.7	mg/kg	15.9		5.3	U	18.4		3	J	2.7	J
7440-09-7	Potassium	C200.7	mg/kg	NL		472	J	259	J	172	J	150	J
7440-22-4	Silver	C200.7	mg/kg	0.73		0.43	J	0.24	J	1.3	U	1.2	U
7440-23-5	Sodium	C200.7	mg/kg	NL		2390		1070	J	2270	J	1500	J
7440-28-0	Thallium	C200.7	mg/kg	100000		3.3	U	2.8	UJ	3.2	UJ	3.1	UJ
7440-31-5	Tin	C200.7	mg/kg	NL		13.3	U	127	J	38.6	J	14.5	J
7440-36-0	Antimony	C200.7	mg/kg	2		8	U	232	R	20.9	R	15.1	R
7440-38-2	Arsenic	C200.7	mg/kg	0.389		11.5		157	R	22.7	R	17.1	R
7440-39-3	Barium	C200.7	mg/kg	130.1		26.5	UJ	42.4	J	18.3	J	2.1	J
7440-41-7	Beryllium	C200.7	mg/kg	15.6		0.66	U	0.76		0.65	U	0.61	U
7440-43-9	Cadmium	C200.7	mg/kg	0.68		0.66	U	0.96		0.21	J	0.093	J
7440-47-3	Chromium	C200.7	mg/kg	52.3		20.6		57		7.1		17.3	
7440-48-4	Cobalt	C200.7	mg/kg	2.34		6.6	U	3.7	J	0.72	J	0.97	J
7440-50-8	Copper	C200.7	mg/kg	18.7		22.9	J	248	R	24	R	31.1	R
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548		33.1		71	J	11.7	J	26.8	J
7440-66-6	Zinc	C200.7	mg/kg	124		75		242	J	46.3	J	47	J
7440-70-2	Calcium	C200.7	mg/kg	NL		3800		1010	J	2810	J	484	J
7782-49-2	Selenium	C200.7	mg/kg	2		4.6	U	1.1	J	0.6	J	0.85	J
7429-90-5	Aluminum	E200.7	mg/kg	7740									
7439-89-6	Iron	E200.7	mg/kg	2000									
7439-92-1	Lead	E200.7	mg/kg	30.2				5860		861		403	
7439-95-4	Magnesium	E200.7	mg/kg	NL									
7439-96-5	Manganese	E200.7	mg/kg	183				174	R	48.5		65.9	R
7440-02-0	Nickel	E200.7	mg/kg	15.9				18.4		3	J	2.7	J
7440-09-7	Potassium	E200.7	mg/kg	NL									
7440-22-4	Silver	E200.7	mg/kg	0.73				0.24	J	1.3	U	1.2	U
7440-23-5	Sodium	E200.7	mg/kg	NL									
7440-31-5	Tin	E200.7	mg/kg	NL				127	J	38.6	J	14.5	J

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Area 1 Sediment Samples < 12 inches

					sys_loc_code:	SED06		SED07		SED08		SED09	
					loc_name:	Area-01		Area-01		Area-01		Area-01	
					sys_sample_code:	RBS-SED06		RBS-SED07		RBS-SED08		RBS-SED09	
					depth	0-3 in		0-3 in		0-3 in		0-3 in	
					sample_date:	09/10/2008		09/12/2008		09/12/2008		09/12/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED									
7440-36-0	Antimony	E200.7	mg/kg	2			232	R	20.9	R	15.1	R
7440-38-2	Arsenic	E200.7	mg/kg	0.389			157	R	22.7	R	17.1	R
7440-47-3	Chromium	E200.7	mg/kg	52.3			57		7.1		17.3	
7440-50-8	Copper	E200.7	mg/kg	18.7			248	R	24	R	31.1	R
7440-66-6	Zinc	E200.7	mg/kg	124			242	J	46.3	J	47	J
7440-70-2	Calcium	E200.7	mg/kg	NL								
7439-92-1	Lead	E200.8	mg/kg	30.2								
7439-96-5	Manganese	E200.8	mg/kg	183								
7440-02-0	Nickel	E200.8	mg/kg	15.9								
7440-22-4	Silver	E200.8	mg/kg	0.73								
7440-28-0	Thallium	E200.8	mg/kg	100000								
7440-36-0	Antimony	E200.8	mg/kg	2								
7440-38-2	Arsenic	E200.8	mg/kg	0.389								
7440-39-3	Barium	E200.8	mg/kg	130.1								
7440-41-7	Beryllium	E200.8	mg/kg	15.6								
7440-43-9	Cadmium	E200.8	mg/kg	0.68								
7440-47-3	Chromium	E200.8	mg/kg	52.3								
7440-48-4	Cobalt	E200.8	mg/kg	2.34								
7440-50-8	Copper	E200.8	mg/kg	18.7								
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548								
7440-66-6	Zinc	E200.8	mg/kg	124								
7782-49-2	Selenium	E200.8	mg/kg	2								
7439-97-6	Mercury	E245.5	mg/kg	0.13								
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6								
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357								
309-00-2	Aldrin	CPEST	ug/kg	2								
319-84-6	Alpha-Bhc	CPEST	ug/kg	3								
319-85-7	Beta-Bhc	CPEST	ug/kg	3								
319-86-8	Delta-Bhc	CPEST	ug/kg	3								
33213-65-9	Endosulfan II	CPEST	ug/kg	14								
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19								
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7								
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7								

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				sys_loc_code:	SED06		SED07		SED08		SED09	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	RBS-SED06		RBS-SED07		RBS-SED08		RBS-SED09	
				depth	0-3 in		0-3 in		0-3 in		0-3 in	
				sample_date:	09/10/2008		09/12/2008		09/12/2008		09/12/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL								
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32								
60-57-1	Dieldrin	CPEST	ug/kg	0.72								
72-20-8	Endrin	CPEST	ug/kg	2.67								
72-43-5	Methoxychlor	CPEST	ug/kg	29.6								
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22								
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07								
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL								
76-44-8	Heptachlor	CPEST	ug/kg	68								
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1								
959-98-8	Endosulfan I	CPEST	ug/kg	2.9								
11096-82-5	Aroclor 1260	E608	ug/kg	21.6								
11097-69-1	Aroclor 1254	E608	ug/kg	23								
11100-14-4	Aroclor 1268	E608	ug/kg	21.6								
11104-28-2	Aroclor 1221	E608	ug/kg	21.6								
11141-16-5	Aroclor 1232	E608	ug/kg	21.6								
12672-29-6	Aroclor 1248	E608	ug/kg	21.6								
12674-11-2	Aroclor 1016	E608	ug/kg	21.6								
37324-23-5	Aroclor 1262	E608	ug/kg	21.6								
53469-21-9	Aroclor 1242	E608	ug/kg	21.6								
100-41-4	Ethylbenzene	E624	ug/kg	305								
100-42-5	Styrene	E624	ug/kg	7070								
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL								
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL								
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460								
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7								
107-06-2	1,2-Dichloroethane	E624	ug/kg	432								
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000								
108-87-2	Methylcyclohexane	E624	ug/kg	NL								
108-88-3	Toluene	E624	ug/kg	1090								
108-90-7	Chlorobenzene	E624	ug/kg	162								
110-82-7	Cyclohexane	E624	ug/kg	117000								
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473								

				sys_loc_code:	SED06		SED07		SED08		SED09	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	RBS-SED06		RBS-SED07		RBS-SED08		RBS-SED09	
				depth	0-3 in		0-3 in		0-3 in		0-3 in	
				sample_date:	09/10/2008		09/12/2008		09/12/2008		09/12/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
123-91-1	1,4-Dioxane	E624	ug/kg	44100								
124-48-1	Dibromochloromethane	E624	ug/kg	680								
127-18-4	Tetrachloroethene	E624	ug/kg	190								
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200								
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300								
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300								
179601-23-1	m,p-Xylene	E624	ug/kg	NL								
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842								
56-23-5	Carbon tetrachloride	E624	ug/kg	248								
591-78-6	2-Hexanone	E624	ug/kg	20900								
67-64-1	Acetone	E624	ug/kg	6130000								
67-66-3	Chloroform	E624	ug/kg	295								
71-43-2	Benzene	E624	ug/kg	137								
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856								
74-83-9	Bromomethane	E624	ug/kg	732								
74-87-3	Chloromethane	E624	ug/kg	11900								
74-97-5	Bromochloromethane	E624	ug/kg	NL								
75-00-3	Chloroethane	E624	ug/kg	1450000								
75-01-4	Vinyl Chloride	E624	ug/kg	59.7								
75-09-2	Methylene chloride	E624	ug/kg	10700								
75-15-0	Carbon Disulfide	E624	ug/kg	0.851								
75-25-2	Bromoform	E624	ug/kg	1310								
75-27-4	Bromodichloromethane	E624	ug/kg	273								
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310								
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780								
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700								
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400								
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000								
78-87-5	1,2-Dichloropropane	E624	ug/kg	895								
78-93-3	2-Butanone	E624	ug/kg	2780000								
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570								
79-01-6	Trichloroethene	E624	ug/kg	1600								
79-20-9	Methyl Acetate	E624	ug/kg	7820000								

				sys_loc_code:	SED06		SED07		SED08		SED09	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	RBS-SED06		RBS-SED07		RBS-SED08		RBS-SED09	
				depth	0-3 in		0-3 in		0-3 in		0-3 in	
				sample_date:	09/10/2008		09/12/2008		09/12/2008		09/12/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202								
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858								
95-47-6	o-Xylene	E624	ug/kg	NL								
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989								
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35								
98-82-8	Isopropylbenzene	E624	ug/kg	86								
100-01-6	4-Nitroaniline	E625	ug/kg	24300								
100-02-7	4-Nitrophenol	E625	ug/kg	NL								
100-52-7	Benzaldehyde	E625	ug/kg	782000								
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230								
105-60-2	Caprolactam	E625	ug/kg	3060000								
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29								
106-44-5	4-Methylphenol	E625	ug/kg	670								
106-47-8	4-Chloroaniline	E625	ug/kg	2430								
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570								
108-95-2	Phenol	E625	ug/kg	420								
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214								
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300								
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182								
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL								
118-74-1	Hexachlorobenzene	E625	ug/kg	20								
120-12-7	Anthracene	E625	ug/kg	46.9								
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117								
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6								
129-00-0	Pyrene	E625	ug/kg	153								
131-11-3	Dimethylphthalate	E625	ug/kg	NL								
132-64-9	Dibenzofuran	E625	ug/kg	7300								
1912-24-9	Atrazine	E625	ug/kg	6.62								
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170								
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17								
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148								
206-44-0	Fluoranthene	E625	ug/kg	113								
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240								

				sys_loc_code:	SED06		SED07		SED08		SED09	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	RBS-SED06		RBS-SED07		RBS-SED08		RBS-SED09	
				depth	0-3 in		0-3 in		0-3 in		0-3 in	
				sample_date:	09/10/2008		09/12/2008		09/12/2008		09/12/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
208-96-8	Acenaphthylene	E625	ug/kg	5.87								
218-01-9	Chrysene	E625	ug/kg	108								
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8								
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200								
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611								
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22								
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8								
58-90-2	Chlorophenols	E625	ug/kg	284								
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000								
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120								
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4								
67-72-1	Hexachloroethane	E625	ug/kg	804								
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL								
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139								
78-59-1	Isophorone	E625	ug/kg	511000								
83-32-9	Acenaphthene	E625	ug/kg	6.71								
84-66-2	Diethylphthalate	E625	ug/kg	218								
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160								
85-01-8	Phenanthrene	E625	ug/kg	86.7								
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800								
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100								
86-73-7	Fluorene	E625	ug/kg	19								
86-74-8	Carbazole	E625	ug/kg	NL								
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110								
87-86-5	Pentachlorophenol	E625	ug/kg	2970								
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650								
88-74-4	2-Nitroaniline	E625	ug/kg	60600								
88-75-5	2-Nitrophenol	E625	ug/kg	NL								
91-20-3	Naphthalene	E625	ug/kg	34.6								
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2								
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000								
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080								
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220								

				sys_loc_code:	SED06		SED07		SED08		SED09	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	RBS-SED06		RBS-SED07		RBS-SED08		RBS-SED09	
				depth	0-3 in		0-3 in		0-3 in		0-3 in	
				sample_date:	09/10/2008		09/12/2008		09/12/2008		09/12/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
95-48-7	2-Methylphenol	E625	ug/kg	306000								
95-57-8	2-Chlorophenol	E625	ug/kg	344								
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830								
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819								
98-86-2	Acetophenone	E625	ug/kg	782000								
98-95-3	Nitrobenzene	E625	ug/kg	4790								
99-09-2	3-Nitroaniline	E625	ug/kg	NL								

				sys_loc_code:	SED10		SED11		SED12		SED13	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	RBS-SED10		RBS-SED11		RBS-SED12		RBS-SED13	
				depth	0-3 in		0-3 in		0-3 in		0-3 in	
				sample_date:	09/12/2008		09/12/2008		09/12/2008		09/10/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	C200.7	mg/kg	7740	1070	R	1500	R	1050	R	509	J
7439-89-6	Iron	C200.7	mg/kg	2000	7650		13700		14300		6990	
7439-92-1	Lead	C200.7	mg/kg	30.2	326		441		660		11.5	J
7439-95-4	Magnesium	C200.7	mg/kg	NL	728		660	J	426	J	622	U
7439-96-5	Manganese	C200.7	mg/kg	183	51.7	R	29.5	R	23.4	R	12.9	
7440-02-0	Nickel	C200.7	mg/kg	15.9	3.2	J	4.4	J	5.8		5	U
7440-09-7	Potassium	C200.7	mg/kg	NL	283	J	298	J	168	J	102	J
7440-22-4	Silver	C200.7	mg/kg	0.73	1.2	U	1.4	U	1.2	U	1.2	U
7440-23-5	Sodium	C200.7	mg/kg	NL	2490	J	3030	J	1310	J	753	
7440-28-0	Thallium	C200.7	mg/kg	100000	3.1	UJ	3.5	UJ	3	UJ	3.1	U
7440-31-5	Tin	C200.7	mg/kg	NL	12.4	UJ	47.8	J	53.6	J	12.4	U
7440-36-0	Antimony	C200.7	mg/kg	2	7.6	R	15.1	R	26	R	7.5	U
7440-38-2	Arsenic	C200.7	mg/kg	0.389	9.5	R	12.5	R	29.4	R	2.9	
7440-39-3	Barium	C200.7	mg/kg	130.1	5	J	12.3	J	5.1	J	24.9	UJ
7440-41-7	Beryllium	C200.7	mg/kg	15.6	0.62	U	0.71	U	0.6	U	0.62	U
7440-43-9	Cadmium	C200.7	mg/kg	0.68	0.17	J	0.17	J	0.25	J	0.62	U
7440-47-3	Chromium	C200.7	mg/kg	52.3	7.4		8.1		10.4		4	
7440-48-4	Cobalt	C200.7	mg/kg	2.34	1.4	J	1	J	1.2	J	6.2	U
7440-50-8	Copper	C200.7	mg/kg	18.7	18.1	R	51.7	R	31.8	R	2.3	J
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548	11	J	18.3	J	20.4	J	9.3	
7440-66-6	Zinc	C200.7	mg/kg	124	41.1	J	53.8	J	54.9	J	15	
7440-70-2	Calcium	C200.7	mg/kg	NL	5550	J	3120	J	2740	J	622	U
7782-49-2	Selenium	C200.7	mg/kg	2	0.63	J	0.94	J	0.78	J	4.4	U
7429-90-5	Aluminum	E200.7	mg/kg	7740								
7439-89-6	Iron	E200.7	mg/kg	2000								
7439-92-1	Lead	E200.7	mg/kg	30.2	326		441		660			
7439-95-4	Magnesium	E200.7	mg/kg	NL								
7439-96-5	Manganese	E200.7	mg/kg	183	51.7	R	29.5	R	23.4	R		
7440-02-0	Nickel	E200.7	mg/kg	15.9	3.2	J	4.4	J	5.8			
7440-09-7	Potassium	E200.7	mg/kg	NL								
7440-22-4	Silver	E200.7	mg/kg	0.73	1.2	U	1.4	U	1.2	U		
7440-23-5	Sodium	E200.7	mg/kg	NL								
7440-31-5	Tin	E200.7	mg/kg	NL	12.4	UJ	47.8	J	53.6	J		

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				sys_loc_code:	SED10		SED11		SED12		SED13	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	RBS-SED10		RBS-SED11		RBS-SED12		RBS-SED13	
				depth	0-3 in		0-3 in		0-3 in		0-3 in	
				sample_date:	09/12/2008		09/12/2008		09/12/2008		09/10/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7440-36-0	Antimony	E200.7	mg/kg	2	7.6	R	15.1	R	26	R		
7440-38-2	Arsenic	E200.7	mg/kg	0.389	9.5	R	12.5	R	29.4	R		
7440-47-3	Chromium	E200.7	mg/kg	52.3	7.4		8.1		10.4			
7440-50-8	Copper	E200.7	mg/kg	18.7	18.1	R	51.7	R	31.8	R		
7440-66-6	Zinc	E200.7	mg/kg	124	41.1	J	53.8	J	54.9	J		
7440-70-2	Calcium	E200.7	mg/kg	NL								
7439-92-1	Lead	E200.8	mg/kg	30.2								
7439-96-5	Manganese	E200.8	mg/kg	183								
7440-02-0	Nickel	E200.8	mg/kg	15.9								
7440-22-4	Silver	E200.8	mg/kg	0.73								
7440-28-0	Thallium	E200.8	mg/kg	100000								
7440-36-0	Antimony	E200.8	mg/kg	2								
7440-38-2	Arsenic	E200.8	mg/kg	0.389								
7440-39-3	Barium	E200.8	mg/kg	130.1								
7440-41-7	Beryllium	E200.8	mg/kg	15.6								
7440-43-9	Cadmium	E200.8	mg/kg	0.68								
7440-47-3	Chromium	E200.8	mg/kg	52.3								
7440-48-4	Cobalt	E200.8	mg/kg	2.34								
7440-50-8	Copper	E200.8	mg/kg	18.7								
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548								
7440-66-6	Zinc	E200.8	mg/kg	124								
7782-49-2	Selenium	E200.8	mg/kg	2								
7439-97-6	Mercury	E245.5	mg/kg	0.13								
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6								
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357								
309-00-2	Aldrin	CPEST	ug/kg	2								
319-84-6	Alpha-Bhc	CPEST	ug/kg	3								
319-85-7	Beta-Bhc	CPEST	ug/kg	3								
319-86-8	Delta-Bhc	CPEST	ug/kg	3								
33213-65-9	Endosulfan II	CPEST	ug/kg	14								
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19								
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7								
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7								

				sys_loc_code:	SED10		SED11		SED12		SED13	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	RBS-SED10		RBS-SED11		RBS-SED12		RBS-SED13	
				depth	0-3 in		0-3 in		0-3 in		0-3 in	
				sample_date:	09/12/2008		09/12/2008		09/12/2008		09/10/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL								
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32								
60-57-1	Dieldrin	CPEST	ug/kg	0.72								
72-20-8	Endrin	CPEST	ug/kg	2.67								
72-43-5	Methoxychlor	CPEST	ug/kg	29.6								
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22								
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07								
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL								
76-44-8	Heptachlor	CPEST	ug/kg	68								
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1								
959-98-8	Endosulfan I	CPEST	ug/kg	2.9								
11096-82-5	Aroclor 1260	E608	ug/kg	21.6								
11097-69-1	Aroclor 1254	E608	ug/kg	23								
11100-14-4	Aroclor 1268	E608	ug/kg	21.6								
11104-28-2	Aroclor 1221	E608	ug/kg	21.6								
11141-16-5	Aroclor 1232	E608	ug/kg	21.6								
12672-29-6	Aroclor 1248	E608	ug/kg	21.6								
12674-11-2	Aroclor 1016	E608	ug/kg	21.6								
37324-23-5	Aroclor 1262	E608	ug/kg	21.6								
53469-21-9	Aroclor 1242	E608	ug/kg	21.6								
100-41-4	Ethylbenzene	E624	ug/kg	305								
100-42-5	Styrene	E624	ug/kg	7070								
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL								
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL								
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460								
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7								
107-06-2	1,2-Dichloroethane	E624	ug/kg	432								
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000								
108-87-2	Methylcyclohexane	E624	ug/kg	NL								
108-88-3	Toluene	E624	ug/kg	1090								
108-90-7	Chlorobenzene	E624	ug/kg	162								
110-82-7	Cyclohexane	E624	ug/kg	117000								
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473								

				sys_loc_code:	SED10		SED11		SED12		SED13	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	RBS-SED10		RBS-SED11		RBS-SED12		RBS-SED13	
				depth	0-3 in		0-3 in		0-3 in		0-3 in	
				sample_date:	09/12/2008		09/12/2008		09/12/2008		09/10/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
123-91-1	1,4-Dioxane	E624	ug/kg	44100								
124-48-1	Dibromochloromethane	E624	ug/kg	680								
127-18-4	Tetrachloroethene	E624	ug/kg	190								
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200								
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300								
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300								
179601-23-1	m,p-Xylene	E624	ug/kg	NL								
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842								
56-23-5	Carbon tetrachloride	E624	ug/kg	248								
591-78-6	2-Hexanone	E624	ug/kg	20900								
67-64-1	Acetone	E624	ug/kg	6130000								
67-66-3	Chloroform	E624	ug/kg	295								
71-43-2	Benzene	E624	ug/kg	137								
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856								
74-83-9	Bromomethane	E624	ug/kg	732								
74-87-3	Chloromethane	E624	ug/kg	11900								
74-97-5	Bromochloromethane	E624	ug/kg	NL								
75-00-3	Chloroethane	E624	ug/kg	1450000								
75-01-4	Vinyl Chloride	E624	ug/kg	59.7								
75-09-2	Methylene chloride	E624	ug/kg	10700								
75-15-0	Carbon Disulfide	E624	ug/kg	0.851								
75-25-2	Bromoform	E624	ug/kg	1310								
75-27-4	Bromodichloromethane	E624	ug/kg	273								
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310								
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780								
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700								
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400								
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000								
78-87-5	1,2-Dichloropropane	E624	ug/kg	895								
78-93-3	2-Butanone	E624	ug/kg	2780000								
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570								
79-01-6	Trichloroethene	E624	ug/kg	1600								
79-20-9	Methyl Acetate	E624	ug/kg	7820000								

				sys_loc_code:	SED10		SED11		SED12		SED13	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	RBS-SED10		RBS-SED11		RBS-SED12		RBS-SED13	
				depth	0-3 in		0-3 in		0-3 in		0-3 in	
				sample_date:	09/12/2008		09/12/2008		09/12/2008		09/10/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202								
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858								
95-47-6	o-Xylene	E624	ug/kg	NL								
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989								
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35								
98-82-8	Isopropylbenzene	E624	ug/kg	86								
100-01-6	4-Nitroaniline	E625	ug/kg	24300								
100-02-7	4-Nitrophenol	E625	ug/kg	NL								
100-52-7	Benzaldehyde	E625	ug/kg	782000								
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230								
105-60-2	Caprolactam	E625	ug/kg	3060000								
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29								
106-44-5	4-Methylphenol	E625	ug/kg	670								
106-47-8	4-Chloroaniline	E625	ug/kg	2430								
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570								
108-95-2	Phenol	E625	ug/kg	420								
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214								
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300								
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182								
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL								
118-74-1	Hexachlorobenzene	E625	ug/kg	20								
120-12-7	Anthracene	E625	ug/kg	46.9								
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117								
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6								
129-00-0	Pyrene	E625	ug/kg	153								
131-11-3	Dimethylphthalate	E625	ug/kg	NL								
132-64-9	Dibenzofuran	E625	ug/kg	7300								
1912-24-9	Atrazine	E625	ug/kg	6.62								
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170								
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17								
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148								
206-44-0	Fluoranthene	E625	ug/kg	113								
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240								

				sys_loc_code:	SED10		SED11		SED12		SED13	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	RBS-SED10		RBS-SED11		RBS-SED12		RBS-SED13	
				depth	0-3 in		0-3 in		0-3 in		0-3 in	
				sample_date:	09/12/2008		09/12/2008		09/12/2008		09/10/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
208-96-8	Acenaphthylene	E625	ug/kg	5.87								
218-01-9	Chrysene	E625	ug/kg	108								
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8								
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200								
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611								
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22								
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8								
58-90-2	Chlorophenols	E625	ug/kg	284								
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000								
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120								
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4								
67-72-1	Hexachloroethane	E625	ug/kg	804								
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL								
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139								
78-59-1	Isophorone	E625	ug/kg	511000								
83-32-9	Acenaphthene	E625	ug/kg	6.71								
84-66-2	Diethylphthalate	E625	ug/kg	218								
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160								
85-01-8	Phenanthrene	E625	ug/kg	86.7								
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800								
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100								
86-73-7	Fluorene	E625	ug/kg	19								
86-74-8	Carbazole	E625	ug/kg	NL								
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110								
87-86-5	Pentachlorophenol	E625	ug/kg	2970								
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650								
88-74-4	2-Nitroaniline	E625	ug/kg	60600								
88-75-5	2-Nitrophenol	E625	ug/kg	NL								
91-20-3	Naphthalene	E625	ug/kg	34.6								
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2								
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000								
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080								
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220								

				sys_loc_code:	SED10		SED11		SED12		SED13	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	RBS-SED10		RBS-SED11		RBS-SED12		RBS-SED13	
				depth	0-3 in		0-3 in		0-3 in		0-3 in	
				sample_date:	09/12/2008		09/12/2008		09/12/2008		09/10/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
95-48-7	2-Methylphenol	E625	ug/kg	306000								
95-57-8	2-Chlorophenol	E625	ug/kg	344								
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830								
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819								
98-86-2	Acetophenone	E625	ug/kg	782000								
98-95-3	Nitrobenzene	E625	ug/kg	4790								
99-09-2	3-Nitroaniline	E625	ug/kg	NL								

Raritan Bay Slag Superfund Site
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Area 1 Sediment Samples < 12 inches

				sys_loc_code:	SED14		SED15		SED16		SED17	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	RBS-SED14		RBS-SED15		RBS-SED16		RBS-SED17	
				depth	0-3 in		0-3 in		0-3 in		0-3 in	
				sample_date:	09/10/2008		09/10/2008		09/10/2008		09/12/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	C200.7	mg/kg	7740	1210	J	1320	J	1770	J	716	R
7439-89-6	Iron	C200.7	mg/kg	2000	14200		13000		23300		5570	
7439-92-1	Lead	C200.7	mg/kg	30.2	22.6	J	36.2	J	107	J	75.7	
7439-95-4	Magnesium	C200.7	mg/kg	NL	639	U	670	U	671		719	
7439-96-5	Manganese	C200.7	mg/kg	183	70.8		31.6		34.4		16.8	R
7440-02-0	Nickel	C200.7	mg/kg	15.9	5.1	U	5.4	U	5.2	U	1.3	J
7440-09-7	Potassium	C200.7	mg/kg	NL	213	J	343	J	296	J	286	J
7440-22-4	Silver	C200.7	mg/kg	0.73	1.3	U	0.17	J	0.19	J	1.4	U
7440-23-5	Sodium	C200.7	mg/kg	NL	1500		2040		2200		4140	J
7440-28-0	Thallium	C200.7	mg/kg	100000	3.2	U	3.4	U	3.2	U	3.5	UJ
7440-31-5	Tin	C200.7	mg/kg	NL	12.8	U	13.4	U	12.9	U	14.2	UJ
7440-36-0	Antimony	C200.7	mg/kg	2	7.7	U	8	U	7.7	U	8.5	R
7440-38-2	Arsenic	C200.7	mg/kg	0.389	3.5		3.9		8.6		2.4	R
7440-39-3	Barium	C200.7	mg/kg	130.1	25.6	UJ	26.8	UJ	25.8	UJ	2.7	J
7440-41-7	Beryllium	C200.7	mg/kg	15.6	0.64	U	0.67	U	0.64	U	0.71	U
7440-43-9	Cadmium	C200.7	mg/kg	0.68	0.64	U	0.67	U	1.4		0.22	J
7440-47-3	Chromium	C200.7	mg/kg	52.3	20.5		6.9		13.7		4.9	
7440-48-4	Cobalt	C200.7	mg/kg	2.34	6.4	U	6.7	U	6.4	U	0.48	J
7440-50-8	Copper	C200.7	mg/kg	18.7	5.8	J	8	J	18.4	J	10.2	R
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548	15.1		17.8		33.3		10.6	J
7440-66-6	Zinc	C200.7	mg/kg	124	25.1		39.2		71.7		27.6	J
7440-70-2	Calcium	C200.7	mg/kg	NL	639	U	765		1290		565	J
7782-49-2	Selenium	C200.7	mg/kg	2	4.5	U	4.7	U	4.5	U	5	UJ
7429-90-5	Aluminum	E200.7	mg/kg	7740								
7439-89-6	Iron	E200.7	mg/kg	2000								
7439-92-1	Lead	E200.7	mg/kg	30.2							75.7	
7439-95-4	Magnesium	E200.7	mg/kg	NL								
7439-96-5	Manganese	E200.7	mg/kg	183							16.8	R
7440-02-0	Nickel	E200.7	mg/kg	15.9							1.3	J
7440-09-7	Potassium	E200.7	mg/kg	NL								
7440-22-4	Silver	E200.7	mg/kg	0.73							1.4	U
7440-23-5	Sodium	E200.7	mg/kg	NL								
7440-31-5	Tin	E200.7	mg/kg	NL							14.2	UJ

				sys_loc_code:	SED14		SED15		SED16		SED17	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	RBS-SED14		RBS-SED15		RBS-SED16		RBS-SED17	
				depth	0-3 in		0-3 in		0-3 in		0-3 in	
				sample_date:	09/10/2008		09/10/2008		09/10/2008		09/12/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7440-36-0	Antimony	E200.7	mg/kg	2							8.5	R
7440-38-2	Arsenic	E200.7	mg/kg	0.389							2.4	R
7440-47-3	Chromium	E200.7	mg/kg	52.3							4.9	
7440-50-8	Copper	E200.7	mg/kg	18.7							10.2	R
7440-66-6	Zinc	E200.7	mg/kg	124							27.6	J
7440-70-2	Calcium	E200.7	mg/kg	NL								
7439-92-1	Lead	E200.8	mg/kg	30.2								
7439-96-5	Manganese	E200.8	mg/kg	183								
7440-02-0	Nickel	E200.8	mg/kg	15.9								
7440-22-4	Silver	E200.8	mg/kg	0.73								
7440-28-0	Thallium	E200.8	mg/kg	100000								
7440-36-0	Antimony	E200.8	mg/kg	2								
7440-38-2	Arsenic	E200.8	mg/kg	0.389								
7440-39-3	Barium	E200.8	mg/kg	130.1								
7440-41-7	Beryllium	E200.8	mg/kg	15.6								
7440-43-9	Cadmium	E200.8	mg/kg	0.68								
7440-47-3	Chromium	E200.8	mg/kg	52.3								
7440-48-4	Cobalt	E200.8	mg/kg	2.34								
7440-50-8	Copper	E200.8	mg/kg	18.7								
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548								
7440-66-6	Zinc	E200.8	mg/kg	124								
7782-49-2	Selenium	E200.8	mg/kg	2								
7439-97-6	Mercury	E245.5	mg/kg	0.13								
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6								
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357								
309-00-2	Aldrin	CPEST	ug/kg	2								
319-84-6	Alpha-Bhc	CPEST	ug/kg	3								
319-85-7	Beta-Bhc	CPEST	ug/kg	3								
319-86-8	Delta-Bhc	CPEST	ug/kg	3								
33213-65-9	Endosulfan II	CPEST	ug/kg	14								
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19								
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7								
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7								

				sys_loc_code:	SED14		SED15		SED16		SED17	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	RBS-SED14		RBS-SED15		RBS-SED16		RBS-SED17	
				depth	0-3 in		0-3 in		0-3 in		0-3 in	
				sample_date:	09/10/2008		09/10/2008		09/10/2008		09/12/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL								
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32								
60-57-1	Dieldrin	CPEST	ug/kg	0.72								
72-20-8	Endrin	CPEST	ug/kg	2.67								
72-43-5	Methoxychlor	CPEST	ug/kg	29.6								
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22								
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07								
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL								
76-44-8	Heptachlor	CPEST	ug/kg	68								
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1								
959-98-8	Endosulfan I	CPEST	ug/kg	2.9								
11096-82-5	Aroclor 1260	E608	ug/kg	21.6								
11097-69-1	Aroclor 1254	E608	ug/kg	23								
11100-14-4	Aroclor 1268	E608	ug/kg	21.6								
11104-28-2	Aroclor 1221	E608	ug/kg	21.6								
11141-16-5	Aroclor 1232	E608	ug/kg	21.6								
12672-29-6	Aroclor 1248	E608	ug/kg	21.6								
12674-11-2	Aroclor 1016	E608	ug/kg	21.6								
37324-23-5	Aroclor 1262	E608	ug/kg	21.6								
53469-21-9	Aroclor 1242	E608	ug/kg	21.6								
100-41-4	Ethylbenzene	E624	ug/kg	305								
100-42-5	Styrene	E624	ug/kg	7070								
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL								
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL								
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460								
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7								
107-06-2	1,2-Dichloroethane	E624	ug/kg	432								
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000								
108-87-2	Methylcyclohexane	E624	ug/kg	NL								
108-88-3	Toluene	E624	ug/kg	1090								
108-90-7	Chlorobenzene	E624	ug/kg	162								
110-82-7	Cyclohexane	E624	ug/kg	117000								
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473								

				sys_loc_code:	SED14		SED15		SED16		SED17	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	RBS-SED14		RBS-SED15		RBS-SED16		RBS-SED17	
				depth	0-3 in		0-3 in		0-3 in		0-3 in	
				sample_date:	09/10/2008		09/10/2008		09/10/2008		09/12/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
123-91-1	1,4-Dioxane	E624	ug/kg	44100								
124-48-1	Dibromochloromethane	E624	ug/kg	680								
127-18-4	Tetrachloroethene	E624	ug/kg	190								
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200								
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300								
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300								
179601-23-1	m,p-Xylene	E624	ug/kg	NL								
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842								
56-23-5	Carbon tetrachloride	E624	ug/kg	248								
591-78-6	2-Hexanone	E624	ug/kg	20900								
67-64-1	Acetone	E624	ug/kg	6130000								
67-66-3	Chloroform	E624	ug/kg	295								
71-43-2	Benzene	E624	ug/kg	137								
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856								
74-83-9	Bromomethane	E624	ug/kg	732								
74-87-3	Chloromethane	E624	ug/kg	11900								
74-97-5	Bromochloromethane	E624	ug/kg	NL								
75-00-3	Chloroethane	E624	ug/kg	1450000								
75-01-4	Vinyl Chloride	E624	ug/kg	59.7								
75-09-2	Methylene chloride	E624	ug/kg	10700								
75-15-0	Carbon Disulfide	E624	ug/kg	0.851								
75-25-2	Bromoform	E624	ug/kg	1310								
75-27-4	Bromodichloromethane	E624	ug/kg	273								
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310								
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780								
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700								
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400								
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000								
78-87-5	1,2-Dichloropropane	E624	ug/kg	895								
78-93-3	2-Butanone	E624	ug/kg	2780000								
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570								
79-01-6	Trichloroethene	E624	ug/kg	1600								
79-20-9	Methyl Acetate	E624	ug/kg	7820000								

				sys_loc_code:	SED14		SED15		SED16		SED17	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	RBS-SED14		RBS-SED15		RBS-SED16		RBS-SED17	
				depth	0-3 in		0-3 in		0-3 in		0-3 in	
				sample_date:	09/10/2008		09/10/2008		09/10/2008		09/12/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202								
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858								
95-47-6	o-Xylene	E624	ug/kg	NL								
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989								
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35								
98-82-8	Isopropylbenzene	E624	ug/kg	86								
100-01-6	4-Nitroaniline	E625	ug/kg	24300								
100-02-7	4-Nitrophenol	E625	ug/kg	NL								
100-52-7	Benzaldehyde	E625	ug/kg	782000								
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230								
105-60-2	Caprolactam	E625	ug/kg	3060000								
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29								
106-44-5	4-Methylphenol	E625	ug/kg	670								
106-47-8	4-Chloroaniline	E625	ug/kg	2430								
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108-95-2	Phenol	E625	ug/kg	420								
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214								
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300								
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182								
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL								
118-74-1	Hexachlorobenzene	E625	ug/kg	20								
120-12-7	Anthracene	E625	ug/kg	46.9								
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117								
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6								
129-00-0	Pyrene	E625	ug/kg	153								
131-11-3	Dimethylphthalate	E625	ug/kg	NL								
132-64-9	Dibenzofuran	E625	ug/kg	7300								
1912-24-9	Atrazine	E625	ug/kg	6.62								
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170								
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17								
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148								
206-44-0	Fluoranthene	E625	ug/kg	113								
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240								

				sys_loc_code:	SED14		SED15		SED16		SED17	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	RBS-SED14		RBS-SED15		RBS-SED16		RBS-SED17	
				depth	0-3 in		0-3 in		0-3 in		0-3 in	
				sample_date:	09/10/2008		09/10/2008		09/10/2008		09/12/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
208-96-8	Acenaphthylene	E625	ug/kg	5.87								
218-01-9	Chrysene	E625	ug/kg	108								
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8								
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200								
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611								
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22								
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8								
58-90-2	Chlorophenols	E625	ug/kg	284								
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000								
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120								
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4								
67-72-1	Hexachloroethane	E625	ug/kg	804								
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL								
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139								
78-59-1	Isophorone	E625	ug/kg	511000								
83-32-9	Acenaphthene	E625	ug/kg	6.71								
84-66-2	Diethylphthalate	E625	ug/kg	218								
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160								
85-01-8	Phenanthrene	E625	ug/kg	86.7								
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800								
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100								
86-73-7	Fluorene	E625	ug/kg	19								
86-74-8	Carbazole	E625	ug/kg	NL								
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110								
87-86-5	Pentachlorophenol	E625	ug/kg	2970								
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650								
88-74-4	2-Nitroaniline	E625	ug/kg	60600								
88-75-5	2-Nitrophenol	E625	ug/kg	NL								
91-20-3	Naphthalene	E625	ug/kg	34.6								
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2								
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000								
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080								
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220								

				sys_loc_code:	SED14		SED15		SED16		SED17	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	RBS-SED14		RBS-SED15		RBS-SED16		RBS-SED17	
				depth	0-3 in		0-3 in		0-3 in		0-3 in	
				sample_date:	09/10/2008		09/10/2008		09/10/2008		09/12/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
95-48-7	2-Methylphenol	E625	ug/kg	306000								
95-57-8	2-Chlorophenol	E625	ug/kg	344								
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830								
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819								
98-86-2	Acetophenone	E625	ug/kg	782000								
98-95-3	Nitrobenzene	E625	ug/kg	4790								
99-09-2	3-Nitroaniline	E625	ug/kg	NL								

				sys_loc_code:	SED18		SED19		SED20		SED21	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	RBS-SED18		RBS-SED19		RBS-SED20		RBS-SED21	
				depth	0-3 in		0-3 in		0-3 in		0-3 in	
				sample_date:	09/12/2008		09/12/2008		09/12/2008		09/12/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	C200.7	mg/kg	7740	1460	R	1820	R	2950	R	820	R
7439-89-6	Iron	C200.7	mg/kg	2000	8370		12100		10700		5020	
7439-92-1	Lead	C200.7	mg/kg	30.2	186		93.5		58.2		48.1	
7439-95-4	Magnesium	C200.7	mg/kg	NL	952		1110		1160		425	J
7439-96-5	Manganese	C200.7	mg/kg	183	46.8	R	43.1	R	40.8	R	17.4	R
7440-02-0	Nickel	C200.7	mg/kg	15.9	2.7	J	3.2	J	7.4		1.2	J
7440-09-7	Potassium	C200.7	mg/kg	NL	436	J	476	J	678	J	217	J
7440-22-4	Silver	C200.7	mg/kg	0.73	1.6	U	1.5	U	1.5	U	1.3	U
7440-23-5	Sodium	C200.7	mg/kg	NL	4260	J	4060	J	3590	J	2120	J
7440-28-0	Thallium	C200.7	mg/kg	100000	4	UJ	3.7	UJ	3.8	UJ	3.3	UJ
7440-31-5	Tin	C200.7	mg/kg	NL	16	UJ	15	UJ	15.2	UJ	13.1	UJ
7440-36-0	Antimony	C200.7	mg/kg	2	3.1	R	2.1	R	0.58	R	0.46	R
7440-38-2	Arsenic	C200.7	mg/kg	0.389	5.6	R	6.3	R	9.4	R	2	R
7440-39-3	Barium	C200.7	mg/kg	130.1	31.9	UJ	29.9	UJ	30.4	UJ	26.2	UJ
7440-41-7	Beryllium	C200.7	mg/kg	15.6	0.8	U	0.75	U	0.76	U	0.65	U
7440-43-9	Cadmium	C200.7	mg/kg	0.68	0.8	U	0.75	U	0.76	U	0.65	U
7440-47-3	Chromium	C200.7	mg/kg	52.3	8.3		9.1		19.6		5.7	
7440-48-4	Cobalt	C200.7	mg/kg	2.34	8	U	7.5	U	7.6	U	6.5	U
7440-50-8	Copper	C200.7	mg/kg	18.7	18.6	R	11	R	27.1	R	7.4	R
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548	15.7	J	17.6	J	23.7	J	10.4	J
7440-66-6	Zinc	C200.7	mg/kg	124	52.7	J	43.2	J	59.2	J	32.2	J
7440-70-2	Calcium	C200.7	mg/kg	NL	2590	J	1420	J	3680	J	9740	J
7782-49-2	Selenium	C200.7	mg/kg	2	0.71	J	0.88	J	1.6	J	0.76	J
7429-90-5	Aluminum	E200.7	mg/kg	7740								
7439-89-6	Iron	E200.7	mg/kg	2000								
7439-92-1	Lead	E200.7	mg/kg	30.2	186		93.5		58.2		48.1	
7439-95-4	Magnesium	E200.7	mg/kg	NL								
7439-96-5	Manganese	E200.7	mg/kg	183	46.8	R	43.1	R	40.8	R	17.4	
7440-02-0	Nickel	E200.7	mg/kg	15.9	2.7	J	3.2	J	7.4		1.2	J
7440-09-7	Potassium	E200.7	mg/kg	NL								
7440-22-4	Silver	E200.7	mg/kg	0.73	1.6	U	1.5	U	1.5	U	1.3	U
7440-23-5	Sodium	E200.7	mg/kg	NL								
7440-31-5	Tin	E200.7	mg/kg	NL	16	UJ	15	UJ	15.2	UJ	13.1	UJ

Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 1 Sediment Samples < 12 inches

				sys_loc_code:	SED18		SED19		SED20		SED21	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	RBS-SED18		RBS-SED19		RBS-SED20		RBS-SED21	
				depth	0-3 in		0-3 in		0-3 in		0-3 in	
				sample_date:	09/12/2008		09/12/2008		09/12/2008		09/12/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7440-36-0	Antimony	E200.7	mg/kg	2	3.1	R	2.1	R	0.58	R	0.46	R
7440-38-2	Arsenic	E200.7	mg/kg	0.389	5.6	R	6.3	R	9.4	R	2	R
7440-47-3	Chromium	E200.7	mg/kg	52.3	8.3		9.1		19.6	R	5.7	
7440-50-8	Copper	E200.7	mg/kg	18.7	18.6	R	11	R	27.1	R	7.4	R
7440-66-6	Zinc	E200.7	mg/kg	124	52.7	J	43.2	J	59.2	J	32.2	J
7440-70-2	Calcium	E200.7	mg/kg	NL								
7439-92-1	Lead	E200.8	mg/kg	30.2								
7439-96-5	Manganese	E200.8	mg/kg	183								
7440-02-0	Nickel	E200.8	mg/kg	15.9								
7440-22-4	Silver	E200.8	mg/kg	0.73								
7440-28-0	Thallium	E200.8	mg/kg	100000								
7440-36-0	Antimony	E200.8	mg/kg	2								
7440-38-2	Arsenic	E200.8	mg/kg	0.389								
7440-39-3	Barium	E200.8	mg/kg	130.1								
7440-41-7	Beryllium	E200.8	mg/kg	15.6								
7440-43-9	Cadmium	E200.8	mg/kg	0.68								
7440-47-3	Chromium	E200.8	mg/kg	52.3								
7440-48-4	Cobalt	E200.8	mg/kg	2.34								
7440-50-8	Copper	E200.8	mg/kg	18.7								
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548								
7440-66-6	Zinc	E200.8	mg/kg	124								
7782-49-2	Selenium	E200.8	mg/kg	2								
7439-97-6	Mercury	E245.5	mg/kg	0.13								
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6								
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357								
309-00-2	Aldrin	CPEST	ug/kg	2								
319-84-6	Alpha-Bhc	CPEST	ug/kg	3								
319-85-7	Beta-Bhc	CPEST	ug/kg	3								
319-86-8	Delta-Bhc	CPEST	ug/kg	3								
33213-65-9	Endosulfan II	CPEST	ug/kg	14								
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19								
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7								
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7								

R2-0000313

				sys_loc_code:	SED18		SED19		SED20		SED21	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	RBS-SED18		RBS-SED19		RBS-SED20		RBS-SED21	
				depth	0-3 in		0-3 in		0-3 in		0-3 in	
				sample_date:	09/12/2008		09/12/2008		09/12/2008		09/12/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL								
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32								
60-57-1	Dieldrin	CPEST	ug/kg	0.72								
72-20-8	Endrin	CPEST	ug/kg	2.67								
72-43-5	Methoxychlor	CPEST	ug/kg	29.6								
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22								
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07								
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL								
76-44-8	Heptachlor	CPEST	ug/kg	68								
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1								
959-98-8	Endosulfan I	CPEST	ug/kg	2.9								
11096-82-5	Aroclor 1260	E608	ug/kg	21.6								
11097-69-1	Aroclor 1254	E608	ug/kg	23								
11100-14-4	Aroclor 1268	E608	ug/kg	21.6								
11104-28-2	Aroclor 1221	E608	ug/kg	21.6								
11141-16-5	Aroclor 1232	E608	ug/kg	21.6								
12672-29-6	Aroclor 1248	E608	ug/kg	21.6								
12674-11-2	Aroclor 1016	E608	ug/kg	21.6								
37324-23-5	Aroclor 1262	E608	ug/kg	21.6								
53469-21-9	Aroclor 1242	E608	ug/kg	21.6								
100-41-4	Ethylbenzene	E624	ug/kg	305								
100-42-5	Styrene	E624	ug/kg	7070								
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL								
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL								
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460								
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7								
107-06-2	1,2-Dichloroethane	E624	ug/kg	432								
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000								
108-87-2	Methylcyclohexane	E624	ug/kg	NL								
108-88-3	Toluene	E624	ug/kg	1090								
108-90-7	Chlorobenzene	E624	ug/kg	162								
110-82-7	Cyclohexane	E624	ug/kg	117000								
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473								

				sys_loc_code:	SED18		SED19		SED20		SED21	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	RBS-SED18		RBS-SED19		RBS-SED20		RBS-SED21	
				depth	0-3 in		0-3 in		0-3 in		0-3 in	
				sample_date:	09/12/2008		09/12/2008		09/12/2008		09/12/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
123-91-1	1,4-Dioxane	E624	ug/kg	44100								
124-48-1	Dibromochloromethane	E624	ug/kg	680								
127-18-4	Tetrachloroethene	E624	ug/kg	190								
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200								
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300								
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300								
179601-23-1	m,p-Xylene	E624	ug/kg	NL								
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842								
56-23-5	Carbon tetrachloride	E624	ug/kg	248								
591-78-6	2-Hexanone	E624	ug/kg	20900								
67-64-1	Acetone	E624	ug/kg	6130000								
67-66-3	Chloroform	E624	ug/kg	295								
71-43-2	Benzene	E624	ug/kg	137								
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856								
74-83-9	Bromomethane	E624	ug/kg	732								
74-87-3	Chloromethane	E624	ug/kg	11900								
74-97-5	Bromochloromethane	E624	ug/kg	NL								
75-00-3	Chloroethane	E624	ug/kg	1450000								
75-01-4	Vinyl Chloride	E624	ug/kg	59.7								
75-09-2	Methylene chloride	E624	ug/kg	10700								
75-15-0	Carbon Disulfide	E624	ug/kg	0.851								
75-25-2	Bromoform	E624	ug/kg	1310								
75-27-4	Bromodichloromethane	E624	ug/kg	273								
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310								
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780								
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700								
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400								
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000								
78-87-5	1,2-Dichloropropane	E624	ug/kg	895								
78-93-3	2-Butanone	E624	ug/kg	2780000								
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570								
79-01-6	Trichloroethene	E624	ug/kg	1600								
79-20-9	Methyl Acetate	E624	ug/kg	7820000								

				sys_loc_code:	SED18		SED19		SED20		SED21	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	RBS-SED18		RBS-SED19		RBS-SED20		RBS-SED21	
				depth	0-3 in		0-3 in		0-3 in		0-3 in	
				sample_date:	09/12/2008		09/12/2008		09/12/2008		09/12/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202								
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858								
95-47-6	o-Xylene	E624	ug/kg	NL								
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989								
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35								
98-82-8	Isopropylbenzene	E624	ug/kg	86								
100-01-6	4-Nitroaniline	E625	ug/kg	24300								
100-02-7	4-Nitrophenol	E625	ug/kg	NL								
100-52-7	Benzaldehyde	E625	ug/kg	782000								
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230								
105-60-2	Caprolactam	E625	ug/kg	3060000								
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29								
106-44-5	4-Methylphenol	E625	ug/kg	670								
106-47-8	4-Chloroaniline	E625	ug/kg	2430								
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570								
108-95-2	Phenol	E625	ug/kg	420								
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214								
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300								
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182								
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL								
118-74-1	Hexachlorobenzene	E625	ug/kg	20								
120-12-7	Anthracene	E625	ug/kg	46.9								
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117								
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6								
129-00-0	Pyrene	E625	ug/kg	153								
131-11-3	Dimethylphthalate	E625	ug/kg	NL								
132-64-9	Dibenzofuran	E625	ug/kg	7300								
1912-24-9	Atrazine	E625	ug/kg	6.62								
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170								
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				sys_loc_code:	SED18		SED19		SED20		SED21	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	RBS-SED18		RBS-SED19		RBS-SED20		RBS-SED21	
				depth	0-3 in		0-3 in		0-3 in		0-3 in	
				sample_date:	09/12/2008		09/12/2008		09/12/2008		09/12/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
208-96-8	Acenaphthylene	E625	ug/kg	5.87								
218-01-9	Chrysene	E625	ug/kg	108								
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8								
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200								
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611								
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22								
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8								
58-90-2	Chlorophenols	E625	ug/kg	284								
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000								
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120								
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4								
67-72-1	Hexachloroethane	E625	ug/kg	804								
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL								
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139								
78-59-1	Isophorone	E625	ug/kg	511000								
83-32-9	Acenaphthene	E625	ug/kg	6.71								
84-66-2	Diethylphthalate	E625	ug/kg	218								
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160								
85-01-8	Phenanthrene	E625	ug/kg	86.7								
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800								
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100								
86-73-7	Fluorene	E625	ug/kg	19								
86-74-8	Carbazole	E625	ug/kg	NL								
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110								
87-86-5	Pentachlorophenol	E625	ug/kg	2970								
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650								
88-74-4	2-Nitroaniline	E625	ug/kg	60600								
88-75-5	2-Nitrophenol	E625	ug/kg	NL								
91-20-3	Naphthalene	E625	ug/kg	34.6								
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2								
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000								
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080								
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220								

				sys_loc_code:	SED18		SED19		SED20		SED21	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	RBS-SED18		RBS-SED19		RBS-SED20		RBS-SED21	
				depth	0-3 in		0-3 in		0-3 in		0-3 in	
				sample_date:	09/12/2008		09/12/2008		09/12/2008		09/12/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
95-48-7	2-Methylphenol	E625	ug/kg	306000								
95-57-8	2-Chlorophenol	E625	ug/kg	344								
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830								
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819								
98-86-2	Acetophenone	E625	ug/kg	782000								
98-95-3	Nitrobenzene	E625	ug/kg	4790								
99-09-2	3-Nitroaniline	E625	ug/kg	NL								

				sys_loc_code:	SED23		SED24		SED25		SED26	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	RBS-SED23		RBS-SED24		RBS-SED25		RBS-SED26	
				depth	0-3 in		0-3 in		0-3 in		0-3 in	
				sample_date:	09/12/2008		09/12/2008		09/12/2008		09/12/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	C200.7	mg/kg	7740	1180		1060		941		1020	
7439-89-6	Iron	C200.7	mg/kg	2000	5870		5780		5950		9500	
7439-92-1	Lead	C200.7	mg/kg	30.2	90.7	J	79.4	J	458	J	525	J
7439-95-4	Magnesium	C200.7	mg/kg	NL	617	J	462	J	505	J	591	J
7439-96-5	Manganese	C200.7	mg/kg	183	17.2		14.6		15.5		89.5	
7440-02-0	Nickel	C200.7	mg/kg	15.9	5.7	U	5.5	U	4.7	U	5.6	U
7440-09-7	Potassium	C200.7	mg/kg	NL	309	J	253	J	250	J	257	J
7440-22-4	Silver	C200.7	mg/kg	0.73	0.22	J	1.4	U	1.2	U	1.4	U
7440-23-5	Sodium	C200.7	mg/kg	NL	3020		2300		2430		2480	
7440-28-0	Thallium	C200.7	mg/kg	100000	3.6	U	3.4	U	2.9	U	3.5	U
7440-31-5	Tin	C200.7	mg/kg	NL	14.3	U	13.8	U	22.5		1020	
7440-36-0	Antimony	C200.7	mg/kg	2	8.6	UJ	8.3	UJ	13.9	J	20.5	J
7440-38-2	Arsenic	C200.7	mg/kg	0.389	3.1		2.9		6.6		15.7	
7440-39-3	Barium	C200.7	mg/kg	130.1	28.6	UJ	27.5	UJ	23.4	UJ	27.8	UJ
7440-41-7	Beryllium	C200.7	mg/kg	15.6	0.72	U	0.69	U	0.59	U	0.7	U
7440-43-9	Cadmium	C200.7	mg/kg	0.68	0.72	U	0.69	U	0.59	U	0.7	U
7440-47-3	Chromium	C200.7	mg/kg	52.3	5.5		6		4.5		6.3	
7440-48-4	Cobalt	C200.7	mg/kg	2.34	7.2	U	6.9	U	5.9	U	7	U
7440-50-8	Copper	C200.7	mg/kg	18.7	9.6		9.7		21.2		25.4	
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548	10.9		10.7		9.4		14.3	
7440-66-6	Zinc	C200.7	mg/kg	124	30.3		32.9		29.1		39.4	
7440-70-2	Calcium	C200.7	mg/kg	NL	2730	J	6140	J	586	UJ	1110	J
7782-49-2	Selenium	C200.7	mg/kg	2	0.59	J	0.54	J	0.65	J	0.69	J
7429-90-5	Aluminum	E200.7	mg/kg	7740								
7439-89-6	Iron	E200.7	mg/kg	2000								
7439-92-1	Lead	E200.7	mg/kg	30.2	90.7	J	79.4	J	458	J	525	J
7439-95-4	Magnesium	E200.7	mg/kg	NL								
7439-96-5	Manganese	E200.7	mg/kg	183	17.2		14.6		15.5		89.5	
7440-02-0	Nickel	E200.7	mg/kg	15.9	5.7	U	5.5	U	4.7	U	5.6	U
7440-09-7	Potassium	E200.7	mg/kg	NL								
7440-22-4	Silver	E200.7	mg/kg	0.73	0.22	J	1.4	U	1.2	U	1.4	U
7440-23-5	Sodium	E200.7	mg/kg	NL								
7440-31-5	Tin	E200.7	mg/kg	NL	14.3	UJ	13.8	UJ	22.5		1020	

				sys_loc_code:	SED23		SED24		SED25		SED26	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	RBS-SED23		RBS-SED24		RBS-SED25		RBS-SED26	
				depth	0-3 in		0-3 in		0-3 in		0-3 in	
				sample_date:	09/12/2008		09/12/2008		09/12/2008		09/12/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7440-36-0	Antimony	E200.7	mg/kg	2	8.6	UJ	8.3	UJ	13.9	J	20.5	J
7440-38-2	Arsenic	E200.7	mg/kg	0.389	3.1		2.9		6.6		15.7	
7440-47-3	Chromium	E200.7	mg/kg	52.3	5.5		6		4.5		6.3	
7440-50-8	Copper	E200.7	mg/kg	18.7	9.6		9.7		21.2		25.4	
7440-66-6	Zinc	E200.7	mg/kg	124	30.3		32.9		29.1		39.4	
7440-70-2	Calcium	E200.7	mg/kg	NL								
7439-92-1	Lead	E200.8	mg/kg	30.2								
7439-96-5	Manganese	E200.8	mg/kg	183								
7440-02-0	Nickel	E200.8	mg/kg	15.9								
7440-22-4	Silver	E200.8	mg/kg	0.73								
7440-28-0	Thallium	E200.8	mg/kg	100000								
7440-36-0	Antimony	E200.8	mg/kg	2								
7440-38-2	Arsenic	E200.8	mg/kg	0.389								
7440-39-3	Barium	E200.8	mg/kg	130.1								
7440-41-7	Beryllium	E200.8	mg/kg	15.6								
7440-43-9	Cadmium	E200.8	mg/kg	0.68								
7440-47-3	Chromium	E200.8	mg/kg	52.3								
7440-48-4	Cobalt	E200.8	mg/kg	2.34								
7440-50-8	Copper	E200.8	mg/kg	18.7								
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548								
7440-66-6	Zinc	E200.8	mg/kg	124								
7782-49-2	Selenium	E200.8	mg/kg	2								
7439-97-6	Mercury	E245.5	mg/kg	0.13								
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6								
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357								
309-00-2	Aldrin	CPEST	ug/kg	2								
319-84-6	Alpha-Bhc	CPEST	ug/kg	3								
319-85-7	Beta-Bhc	CPEST	ug/kg	3								
319-86-8	Delta-Bhc	CPEST	ug/kg	3								
33213-65-9	Endosulfan II	CPEST	ug/kg	14								
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19								
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7								
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7								

				sys_loc_code:	SED23		SED24		SED25		SED26	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	RBS-SED23		RBS-SED24		RBS-SED25		RBS-SED26	
				depth	0-3 in		0-3 in		0-3 in		0-3 in	
				sample_date:	09/12/2008		09/12/2008		09/12/2008		09/12/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL								
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32								
60-57-1	Dieldrin	CPEST	ug/kg	0.72								
72-20-8	Endrin	CPEST	ug/kg	2.67								
72-43-5	Methoxychlor	CPEST	ug/kg	29.6								
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22								
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07								
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL								
76-44-8	Heptachlor	CPEST	ug/kg	68								
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1								
959-98-8	Endosulfan I	CPEST	ug/kg	2.9								
11096-82-5	Aroclor 1260	E608	ug/kg	21.6								
11097-69-1	Aroclor 1254	E608	ug/kg	23								
11100-14-4	Aroclor 1268	E608	ug/kg	21.6								
11104-28-2	Aroclor 1221	E608	ug/kg	21.6								
11141-16-5	Aroclor 1232	E608	ug/kg	21.6								
12672-29-6	Aroclor 1248	E608	ug/kg	21.6								
12674-11-2	Aroclor 1016	E608	ug/kg	21.6								
37324-23-5	Aroclor 1262	E608	ug/kg	21.6								
53469-21-9	Aroclor 1242	E608	ug/kg	21.6								
100-41-4	Ethylbenzene	E624	ug/kg	305								
100-42-5	Styrene	E624	ug/kg	7070								
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL								
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL								
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460								
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7								
107-06-2	1,2-Dichloroethane	E624	ug/kg	432								
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000								
108-87-2	Methylcyclohexane	E624	ug/kg	NL								
108-88-3	Toluene	E624	ug/kg	1090								
108-90-7	Chlorobenzene	E624	ug/kg	162								
110-82-7	Cyclohexane	E624	ug/kg	117000								
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473								

				sys_loc_code:	SED23		SED24		SED25		SED26	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	RBS-SED23		RBS-SED24		RBS-SED25		RBS-SED26	
				depth	0-3 in		0-3 in		0-3 in		0-3 in	
				sample_date:	09/12/2008		09/12/2008		09/12/2008		09/12/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
123-91-1	1,4-Dioxane	E624	ug/kg	44100								
124-48-1	Dibromochloromethane	E624	ug/kg	680								
127-18-4	Tetrachloroethene	E624	ug/kg	190								
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200								
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300								
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300								
179601-23-1	m,p-Xylene	E624	ug/kg	NL								
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842								
56-23-5	Carbon tetrachloride	E624	ug/kg	248								
591-78-6	2-Hexanone	E624	ug/kg	20900								
67-64-1	Acetone	E624	ug/kg	6130000								
67-66-3	Chloroform	E624	ug/kg	295								
71-43-2	Benzene	E624	ug/kg	137								
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856								
74-83-9	Bromomethane	E624	ug/kg	732								
74-87-3	Chloromethane	E624	ug/kg	11900								
74-97-5	Bromochloromethane	E624	ug/kg	NL								
75-00-3	Chloroethane	E624	ug/kg	1450000								
75-01-4	Vinyl Chloride	E624	ug/kg	59.7								
75-09-2	Methylene chloride	E624	ug/kg	10700								
75-15-0	Carbon Disulfide	E624	ug/kg	0.851								
75-25-2	Bromoform	E624	ug/kg	1310								
75-27-4	Bromodichloromethane	E624	ug/kg	273								
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310								
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780								
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700								
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400								
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000								
78-87-5	1,2-Dichloropropane	E624	ug/kg	895								
78-93-3	2-Butanone	E624	ug/kg	2780000								
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570								
79-01-6	Trichloroethene	E624	ug/kg	1600								
79-20-9	Methyl Acetate	E624	ug/kg	7820000								

				sys_loc_code:	SED23		SED24		SED25		SED26	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	RBS-SED23		RBS-SED24		RBS-SED25		RBS-SED26	
				depth	0-3 in		0-3 in		0-3 in		0-3 in	
				sample_date:	09/12/2008		09/12/2008		09/12/2008		09/12/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202								
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858								
95-47-6	o-Xylene	E624	ug/kg	NL								
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989								
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35								
98-82-8	Isopropylbenzene	E624	ug/kg	86								
100-01-6	4-Nitroaniline	E625	ug/kg	24300								
100-02-7	4-Nitrophenol	E625	ug/kg	NL								
100-52-7	Benzaldehyde	E625	ug/kg	782000								
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230								
105-60-2	Caprolactam	E625	ug/kg	3060000								
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29								
106-44-5	4-Methylphenol	E625	ug/kg	670								
106-47-8	4-Chloroaniline	E625	ug/kg	2430								
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570								
108-95-2	Phenol	E625	ug/kg	420								
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214								
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300								
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182								
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL								
118-74-1	Hexachlorobenzene	E625	ug/kg	20								
120-12-7	Anthracene	E625	ug/kg	46.9								
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117								
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6								
129-00-0	Pyrene	E625	ug/kg	153								
131-11-3	Dimethylphthalate	E625	ug/kg	NL								
132-64-9	Dibenzofuran	E625	ug/kg	7300								
1912-24-9	Atrazine	E625	ug/kg	6.62								
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170								
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17								
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148								
206-44-0	Fluoranthene	E625	ug/kg	113								
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240								

				sys_loc_code:	SED23		SED24		SED25		SED26	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	RBS-SED23		RBS-SED24		RBS-SED25		RBS-SED26	
				depth	0-3 in		0-3 in		0-3 in		0-3 in	
				sample_date:	09/12/2008		09/12/2008		09/12/2008		09/12/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
208-96-8	Acenaphthylene	E625	ug/kg	5.87								
218-01-9	Chrysene	E625	ug/kg	108								
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8								
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200								
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611								
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22								
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8								
58-90-2	Chlorophenols	E625	ug/kg	284								
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000								
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120								
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4								
67-72-1	Hexachloroethane	E625	ug/kg	804								
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL								
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139								
78-59-1	Isophorone	E625	ug/kg	511000								
83-32-9	Acenaphthene	E625	ug/kg	6.71								
84-66-2	Diethylphthalate	E625	ug/kg	218								
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160								
85-01-8	Phenanthrene	E625	ug/kg	86.7								
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800								
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100								
86-73-7	Fluorene	E625	ug/kg	19								
86-74-8	Carbazole	E625	ug/kg	NL								
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110								
87-86-5	Pentachlorophenol	E625	ug/kg	2970								
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650								
88-74-4	2-Nitroaniline	E625	ug/kg	60600								
88-75-5	2-Nitrophenol	E625	ug/kg	NL								
91-20-3	Naphthalene	E625	ug/kg	34.6								
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2								
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000								
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080								
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220								

				sys_loc_code:	SED23		SED24		SED25		SED26	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	RBS-SED23		RBS-SED24		RBS-SED25		RBS-SED26	
				depth	0-3 in		0-3 in		0-3 in		0-3 in	
				sample_date:	09/12/2008		09/12/2008		09/12/2008		09/12/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
95-48-7	2-Methylphenol	E625	ug/kg	306000								
95-57-8	2-Chlorophenol	E625	ug/kg	344								
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830								
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819								
98-86-2	Acetophenone	E625	ug/kg	782000								
98-95-3	Nitrobenzene	E625	ug/kg	4790								
99-09-2	3-Nitroaniline	E625	ug/kg	NL								

				sys_loc_code:	SED66		A10		A101		A102	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	RBS-SED66		A10 0-6		A101 0-6		A102 0-6	
				depth	0-3 in		0-6 in		0-6 in		0-6 in	
				sample_date:	09/10/2008		07/01/2009		07/20/2009		07/20/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	C200.7	mg/kg	7740	2390	J						
7439-89-6	Iron	C200.7	mg/kg	2000	51300	J						
7439-92-1	Lead	C200.7	mg/kg	30.2	23.8	J						
7439-95-4	Magnesium	C200.7	mg/kg	NL	480	J						
7439-96-5	Manganese	C200.7	mg/kg	183	172	J						
7440-02-0	Nickel	C200.7	mg/kg	15.9	3.8	J						
7440-09-7	Potassium	C200.7	mg/kg	NL	389	J						
7440-22-4	Silver	C200.7	mg/kg	0.73	0.2	J						
7440-23-5	Sodium	C200.7	mg/kg	NL	607	UJ						
7440-28-0	Thallium	C200.7	mg/kg	100000	3	U						
7440-31-5	Tin	C200.7	mg/kg	NL	12.1	UJ						
7440-36-0	Antimony	C200.7	mg/kg	2	1.8	J						
7440-38-2	Arsenic	C200.7	mg/kg	0.389	13.8							
7440-39-3	Barium	C200.7	mg/kg	130.1	5.6	J						
7440-41-7	Beryllium	C200.7	mg/kg	15.6	0.34	J						
7440-43-9	Cadmium	C200.7	mg/kg	0.68	0.61	UJ						
7440-47-3	Chromium	C200.7	mg/kg	52.3	21	J						
7440-48-4	Cobalt	C200.7	mg/kg	2.34	1.5	J						
7440-50-8	Copper	C200.7	mg/kg	18.7	13.9	J						
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548	45.3	J						
7440-66-6	Zinc	C200.7	mg/kg	124	58.3	J						
7440-70-2	Calcium	C200.7	mg/kg	NL	639	J						
7782-49-2	Selenium	C200.7	mg/kg	2	0.98	J						
7429-90-5	Aluminum	E200.7	mg/kg	7740			1260		3370	J	3030	J
7439-89-6	Iron	E200.7	mg/kg	2000			22800		36800	J	20300	J
7439-92-1	Lead	E200.7	mg/kg	30.2			15.1	R				
7439-95-4	Magnesium	E200.7	mg/kg	NL			318	J	802		766	
7439-96-5	Manganese	E200.7	mg/kg	183			43.4	J				
7440-02-0	Nickel	E200.7	mg/kg	15.9								
7440-09-7	Potassium	E200.7	mg/kg	NL			114	J	430	J	378	J
7440-22-4	Silver	E200.7	mg/kg	0.73								
7440-23-5	Sodium	E200.7	mg/kg	NL			1200		1680	J	1710	J
7440-31-5	Tin	E200.7	mg/kg	NL								

				sys_loc_code:	SED66		A10		A101		A102	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	RBS-SED66		A10 0-6		A101 0-6		A102 0-6	
				depth	0-3 in		0-6 in		0-6 in		0-6 in	
				sample_date:	09/10/2008		07/01/2009		07/20/2009		07/20/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7440-36-0	Antimony	E200.7	mg/kg	2								
7440-38-2	Arsenic	E200.7	mg/kg	0.389			6.9					
7440-47-3	Chromium	E200.7	mg/kg	52.3								
7440-50-8	Copper	E200.7	mg/kg	18.7			9.5	J				
7440-66-6	Zinc	E200.7	mg/kg	124			46.7					
7440-70-2	Calcium	E200.7	mg/kg	NL			592	U	5220		3650	
7439-92-1	Lead	E200.8	mg/kg	30.2					18.1		16.4	
7439-96-5	Manganese	E200.8	mg/kg	183					71.9		38.1	
7440-02-0	Nickel	E200.8	mg/kg	15.9			2.1	J	10.9	J	7.1	J
7440-22-4	Silver	E200.8	mg/kg	0.73			0.29	UJ	0.3	U	0.31	U
7440-28-0	Thallium	E200.8	mg/kg	100000			0.58	U	0.6	U	0.62	U
7440-36-0	Antimony	E200.8	mg/kg	2			1.2	U	1.6		1.3	
7440-38-2	Arsenic	E200.8	mg/kg	0.389					16.6	J	12.7	J
7440-39-3	Barium	E200.8	mg/kg	130.1			5.8	UJ	3.6	J	3.9	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6			0.29	U	0.77		0.58	
7440-43-9	Cadmium	E200.8	mg/kg	0.68			0.29	U	0.26	J	0.25	J
7440-47-3	Chromium	E200.8	mg/kg	52.3			7.3		20.1		16.9	
7440-48-4	Cobalt	E200.8	mg/kg	2.34			1.1	J	2.7		1.6	
7440-50-8	Copper	E200.8	mg/kg	18.7					15		13.3	
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548			14.4		44.6	J	44	J
7440-66-6	Zinc	E200.8	mg/kg	124					77.2		61.7	
7782-49-2	Selenium	E200.8	mg/kg	2			0.58	U	1.1		0.9	
7439-97-6	Mercury	E245.5	mg/kg	0.13			0.036	U	0.13	J	0.18	J
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6								
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357								
309-00-2	Aldrin	CPEST	ug/kg	2								
319-84-6	Alpha-Bhc	CPEST	ug/kg	3								
319-85-7	Beta-Bhc	CPEST	ug/kg	3								
319-86-8	Delta-Bhc	CPEST	ug/kg	3								
33213-65-9	Endosulfan II	CPEST	ug/kg	14								
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19								
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7								
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7								

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				sys_loc_code:	SED66		A10		A101		A102	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	RBS-SED66		A10 0-6		A101 0-6		A102 0-6	
				depth	0-3 in		0-6 in		0-6 in		0-6 in	
				sample_date:	09/10/2008		07/01/2009		07/20/2009		07/20/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL								
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32								
60-57-1	Dieldrin	CPEST	ug/kg	0.72								
72-20-8	Endrin	CPEST	ug/kg	2.67								
72-43-5	Methoxychlor	CPEST	ug/kg	29.6								
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22								
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07								
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL								
76-44-8	Heptachlor	CPEST	ug/kg	68								
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1								
959-98-8	Endosulfan I	CPEST	ug/kg	2.9								
11096-82-5	Aroclor 1260	E608	ug/kg	21.6								
11097-69-1	Aroclor 1254	E608	ug/kg	23								
11100-14-4	Aroclor 1268	E608	ug/kg	21.6								
11104-28-2	Aroclor 1221	E608	ug/kg	21.6								
11141-16-5	Aroclor 1232	E608	ug/kg	21.6								
12672-29-6	Aroclor 1248	E608	ug/kg	21.6								
12674-11-2	Aroclor 1016	E608	ug/kg	21.6								
37324-23-5	Aroclor 1262	E608	ug/kg	21.6								
53469-21-9	Aroclor 1242	E608	ug/kg	21.6								
100-41-4	Ethylbenzene	E624	ug/kg	305								
100-42-5	Styrene	E624	ug/kg	7070								
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL								
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL								
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460								
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7								
107-06-2	1,2-Dichloroethane	E624	ug/kg	432								
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000								
108-87-2	Methylcyclohexane	E624	ug/kg	NL								
108-88-3	Toluene	E624	ug/kg	1090								
108-90-7	Chlorobenzene	E624	ug/kg	162								
110-82-7	Cyclohexane	E624	ug/kg	117000								
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473								

				sys_loc_code:	SED66		A10		A101		A102	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	RBS-SED66		A10 0-6		A101 0-6		A102 0-6	
				depth	0-3 in		0-6 in		0-6 in		0-6 in	
				sample_date:	09/10/2008		07/01/2009		07/20/2009		07/20/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
123-91-1	1,4-Dioxane	E624	ug/kg	44100								
124-48-1	Dibromochloromethane	E624	ug/kg	680								
127-18-4	Tetrachloroethene	E624	ug/kg	190								
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200								
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300								
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300								
179601-23-1	m,p-Xylene	E624	ug/kg	NL								
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842								
56-23-5	Carbon tetrachloride	E624	ug/kg	248								
591-78-6	2-Hexanone	E624	ug/kg	20900								
67-64-1	Acetone	E624	ug/kg	6130000								
67-66-3	Chloroform	E624	ug/kg	295								
71-43-2	Benzene	E624	ug/kg	137								
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856								
74-83-9	Bromomethane	E624	ug/kg	732								
74-87-3	Chloromethane	E624	ug/kg	11900								
74-97-5	Bromochloromethane	E624	ug/kg	NL								
75-00-3	Chloroethane	E624	ug/kg	1450000								
75-01-4	Vinyl Chloride	E624	ug/kg	59.7								
75-09-2	Methylene chloride	E624	ug/kg	10700								
75-15-0	Carbon Disulfide	E624	ug/kg	0.851								
75-25-2	Bromoform	E624	ug/kg	1310								
75-27-4	Bromodichloromethane	E624	ug/kg	273								
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310								
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780								
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700								
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400								
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000								
78-87-5	1,2-Dichloropropane	E624	ug/kg	895								
78-93-3	2-Butanone	E624	ug/kg	2780000								
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570								
79-01-6	Trichloroethene	E624	ug/kg	1600								
79-20-9	Methyl Acetate	E624	ug/kg	7820000								

				sys_loc_code:	SED66		A10		A101		A102	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	RBS-SED66		A10 0-6		A101 0-6		A102 0-6	
				depth	0-3 in		0-6 in		0-6 in		0-6 in	
				sample_date:	09/10/2008		07/01/2009		07/20/2009		07/20/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202								
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858								
95-47-6	o-Xylene	E624	ug/kg	NL								
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989								
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35								
98-82-8	Isopropylbenzene	E624	ug/kg	86								
100-01-6	4-Nitroaniline	E625	ug/kg	24300								
100-02-7	4-Nitrophenol	E625	ug/kg	NL								
100-52-7	Benzaldehyde	E625	ug/kg	782000								
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230								
105-60-2	Caprolactam	E625	ug/kg	3060000								
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29								
106-44-5	4-Methylphenol	E625	ug/kg	670								
106-47-8	4-Chloroaniline	E625	ug/kg	2430								
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570								
108-95-2	Phenol	E625	ug/kg	420								
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214								
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300								
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182								
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL								
118-74-1	Hexachlorobenzene	E625	ug/kg	20								
120-12-7	Anthracene	E625	ug/kg	46.9								
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117								
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6								
129-00-0	Pyrene	E625	ug/kg	153								
131-11-3	Dimethylphthalate	E625	ug/kg	NL								
132-64-9	Dibenzofuran	E625	ug/kg	7300								
1912-24-9	Atrazine	E625	ug/kg	6.62								
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170								
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17								
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148								
206-44-0	Fluoranthene	E625	ug/kg	113								
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240								

				sys_loc_code:	SED66		A10		A101		A102	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	RBS-SED66		A10 0-6		A101 0-6		A102 0-6	
				depth	0-3 in		0-6 in		0-6 in		0-6 in	
				sample_date:	09/10/2008		07/01/2009		07/20/2009		07/20/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
208-96-8	Acenaphthylene	E625	ug/kg	5.87								
218-01-9	Chrysene	E625	ug/kg	108								
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8								
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200								
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611								
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22								
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8								
58-90-2	Chlorophenols	E625	ug/kg	284								
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000								
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120								
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4								
67-72-1	Hexachloroethane	E625	ug/kg	804								
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL								
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139								
78-59-1	Isophorone	E625	ug/kg	511000								
83-32-9	Acenaphthene	E625	ug/kg	6.71								
84-66-2	Diethylphthalate	E625	ug/kg	218								
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160								
85-01-8	Phenanthrene	E625	ug/kg	86.7								
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800								
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100								
86-73-7	Fluorene	E625	ug/kg	19								
86-74-8	Carbazole	E625	ug/kg	NL								
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110								
87-86-5	Pentachlorophenol	E625	ug/kg	2970								
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650								
88-74-4	2-Nitroaniline	E625	ug/kg	60600								
88-75-5	2-Nitrophenol	E625	ug/kg	NL								
91-20-3	Naphthalene	E625	ug/kg	34.6								
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2								
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000								
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080								
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220								

				sys_loc_code:	SED66		A10		A101		A102	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	RBS-SED66		A10 0-6		A101 0-6		A102 0-6	
				depth	0-3 in		0-6 in		0-6 in		0-6 in	
				sample_date:	09/10/2008		07/01/2009		07/20/2009		07/20/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
95-48-7	2-Methylphenol	E625	ug/kg	306000								
95-57-8	2-Chlorophenol	E625	ug/kg	344								
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830								
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819								
98-86-2	Acetophenone	E625	ug/kg	782000								
98-95-3	Nitrobenzene	E625	ug/kg	4790								
99-09-2	3-Nitroaniline	E625	ug/kg	NL								

				sys_loc_code:	A103		A104		A106		A107	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A103 0-6		A104 0-6		A106 0-6		A107 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/20/2009		07/20/2009		07/20/2009		07/20/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	C200.7	mg/kg	7740								
7439-89-6	Iron	C200.7	mg/kg	2000								
7439-92-1	Lead	C200.7	mg/kg	30.2								
7439-95-4	Magnesium	C200.7	mg/kg	NL								
7439-96-5	Manganese	C200.7	mg/kg	183								
7440-02-0	Nickel	C200.7	mg/kg	15.9								
7440-09-7	Potassium	C200.7	mg/kg	NL								
7440-22-4	Silver	C200.7	mg/kg	0.73								
7440-23-5	Sodium	C200.7	mg/kg	NL								
7440-28-0	Thallium	C200.7	mg/kg	100000								
7440-31-5	Tin	C200.7	mg/kg	NL								
7440-36-0	Antimony	C200.7	mg/kg	2								
7440-38-2	Arsenic	C200.7	mg/kg	0.389								
7440-39-3	Barium	C200.7	mg/kg	130.1								
7440-41-7	Beryllium	C200.7	mg/kg	15.6								
7440-43-9	Cadmium	C200.7	mg/kg	0.68								
7440-47-3	Chromium	C200.7	mg/kg	52.3								
7440-48-4	Cobalt	C200.7	mg/kg	2.34								
7440-50-8	Copper	C200.7	mg/kg	18.7								
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548								
7440-66-6	Zinc	C200.7	mg/kg	124								
7440-70-2	Calcium	C200.7	mg/kg	NL								
7782-49-2	Selenium	C200.7	mg/kg	2								
7429-90-5	Aluminum	E200.7	mg/kg	7740	1850	J	2020	J	5170	J	1540	J
7439-89-6	Iron	E200.7	mg/kg	2000	10300	J	13600	J	14700	J	7940	J
7439-92-1	Lead	E200.7	mg/kg	30.2								
7439-95-4	Magnesium	E200.7	mg/kg	NL	625	J	590	J	1420	J	649	UJ
7439-96-5	Manganese	E200.7	mg/kg	183								
7440-02-0	Nickel	E200.7	mg/kg	15.9								
7440-09-7	Potassium	E200.7	mg/kg	NL	365	J	329	J	898	J	649	UJ
7440-22-4	Silver	E200.7	mg/kg	0.73								
7440-23-5	Sodium	E200.7	mg/kg	NL	1920	J	1780	J	2420	J	1810	J
7440-31-5	Tin	E200.7	mg/kg	NL								

Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 1 Sediment Samples < 12 inches

				sys_loc_code:	A103		A104		A106		A107	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A103 0-6		A104 0-6		A106 0-6		A107 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/20/2009		07/20/2009		07/20/2009		07/20/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7440-36-0	Antimony	E200.7	mg/kg	2								
7440-38-2	Arsenic	E200.7	mg/kg	0.389								
7440-47-3	Chromium	E200.7	mg/kg	52.3								
7440-50-8	Copper	E200.7	mg/kg	18.7								
7440-66-6	Zinc	E200.7	mg/kg	124								
7440-70-2	Calcium	E200.7	mg/kg	NL	7590		2570		1030	J	273	J
7439-92-1	Lead	E200.8	mg/kg	30.2	24.9		23.4		28		67.6	
7439-96-5	Manganese	E200.8	mg/kg	183	50.1		31.6		50.1		29.5	
7440-02-0	Nickel	E200.8	mg/kg	15.9	3.6	J	5.7	J	7.6		4.1	
7440-22-4	Silver	E200.8	mg/kg	0.73	0.32	U	0.32	U	0.35	U	0.32	U
7440-28-0	Thallium	E200.8	mg/kg	100000	0.63	U	0.64	U	0.7	U	0.65	U
7440-36-0	Antimony	E200.8	mg/kg	2	1.3	U	1.3	U	1.4	U	4.8	
7440-38-2	Arsenic	E200.8	mg/kg	0.389	5.4	J	8.4	J	11.6		6.2	
7440-39-3	Barium	E200.8	mg/kg	130.1	4	J	4.1	J	11	J	4.7	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.28	J	0.21	J	0.34	J	0.21	J
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.15	J	0.21	J	0.35	U	0.32	U
7440-47-3	Chromium	E200.8	mg/kg	52.3	10.2		11.2		20.5		9.2	
7440-48-4	Cobalt	E200.8	mg/kg	2.34	1.3		1.6		2.4		1.6	
7440-50-8	Copper	E200.8	mg/kg	18.7	10.2		13.1		22		9.2	
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	18.6	J	21	J	22.1	J	16.8	J
7440-66-6	Zinc	E200.8	mg/kg	124	54.2		65.1		56.1		42.5	
7782-49-2	Selenium	E200.8	mg/kg	2	0.32	J	0.74		0.61	J	0.65	U
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.1	J	0.15	J	0.3		0.078	
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6								
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357								
309-00-2	Aldrin	CPEST	ug/kg	2								
319-84-6	Alpha-Bhc	CPEST	ug/kg	3								
319-85-7	Beta-Bhc	CPEST	ug/kg	3								
319-86-8	Delta-Bhc	CPEST	ug/kg	3								
33213-65-9	Endosulfan II	CPEST	ug/kg	14								
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19								
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7								
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7								

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				sys_loc_code:	A103		A104		A106		A107	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A103 0-6		A104 0-6		A106 0-6		A107 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/20/2009		07/20/2009		07/20/2009		07/20/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL								
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32								
60-57-1	Dieldrin	CPEST	ug/kg	0.72								
72-20-8	Endrin	CPEST	ug/kg	2.67								
72-43-5	Methoxychlor	CPEST	ug/kg	29.6								
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22								
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07								
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL								
76-44-8	Heptachlor	CPEST	ug/kg	68								
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1								
959-98-8	Endosulfan I	CPEST	ug/kg	2.9								
11096-82-5	Aroclor 1260	E608	ug/kg	21.6								
11097-69-1	Aroclor 1254	E608	ug/kg	23								
11100-14-4	Aroclor 1268	E608	ug/kg	21.6								
11104-28-2	Aroclor 1221	E608	ug/kg	21.6								
11141-16-5	Aroclor 1232	E608	ug/kg	21.6								
12672-29-6	Aroclor 1248	E608	ug/kg	21.6								
12674-11-2	Aroclor 1016	E608	ug/kg	21.6								
37324-23-5	Aroclor 1262	E608	ug/kg	21.6								
53469-21-9	Aroclor 1242	E608	ug/kg	21.6								
100-41-4	Ethylbenzene	E624	ug/kg	305								
100-42-5	Styrene	E624	ug/kg	7070								
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL								
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL								
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460								
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7								
107-06-2	1,2-Dichloroethane	E624	ug/kg	432								
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000								
108-87-2	Methylcyclohexane	E624	ug/kg	NL								
108-88-3	Toluene	E624	ug/kg	1090								
108-90-7	Chlorobenzene	E624	ug/kg	162								
110-82-7	Cyclohexane	E624	ug/kg	117000								
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473								

				sys_loc_code:	A103		A104		A106		A107	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A103 0-6		A104 0-6		A106 0-6		A107 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/20/2009		07/20/2009		07/20/2009		07/20/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
123-91-1	1,4-Dioxane	E624	ug/kg	44100								
124-48-1	Dibromochloromethane	E624	ug/kg	680								
127-18-4	Tetrachloroethene	E624	ug/kg	190								
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200								
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300								
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300								
179601-23-1	m,p-Xylene	E624	ug/kg	NL								
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842								
56-23-5	Carbon tetrachloride	E624	ug/kg	248								
591-78-6	2-Hexanone	E624	ug/kg	20900								
67-64-1	Acetone	E624	ug/kg	6130000								
67-66-3	Chloroform	E624	ug/kg	295								
71-43-2	Benzene	E624	ug/kg	137								
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856								
74-83-9	Bromomethane	E624	ug/kg	732								
74-87-3	Chloromethane	E624	ug/kg	11900								
74-97-5	Bromochloromethane	E624	ug/kg	NL								
75-00-3	Chloroethane	E624	ug/kg	1450000								
75-01-4	Vinyl Chloride	E624	ug/kg	59.7								
75-09-2	Methylene chloride	E624	ug/kg	10700								
75-15-0	Carbon Disulfide	E624	ug/kg	0.851								
75-25-2	Bromoform	E624	ug/kg	1310								
75-27-4	Bromodichloromethane	E624	ug/kg	273								
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310								
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780								
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700								
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400								
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000								
78-87-5	1,2-Dichloropropane	E624	ug/kg	895								
78-93-3	2-Butanone	E624	ug/kg	2780000								
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570								
79-01-6	Trichloroethene	E624	ug/kg	1600								
79-20-9	Methyl Acetate	E624	ug/kg	7820000								

				sys_loc_code:	A103		A104		A106		A107	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A103 0-6		A104 0-6		A106 0-6		A107 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/20/2009		07/20/2009		07/20/2009		07/20/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202								
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858								
95-47-6	o-Xylene	E624	ug/kg	NL								
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989								
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35								
98-82-8	Isopropylbenzene	E624	ug/kg	86								
100-01-6	4-Nitroaniline	E625	ug/kg	24300								
100-02-7	4-Nitrophenol	E625	ug/kg	NL								
100-52-7	Benzaldehyde	E625	ug/kg	782000								
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230								
105-60-2	Caprolactam	E625	ug/kg	3060000								
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29								
106-44-5	4-Methylphenol	E625	ug/kg	670								
106-47-8	4-Chloroaniline	E625	ug/kg	2430								
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570								
108-95-2	Phenol	E625	ug/kg	420								
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214								
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300								
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182								
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL								
118-74-1	Hexachlorobenzene	E625	ug/kg	20								
120-12-7	Anthracene	E625	ug/kg	46.9								
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117								
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6								
129-00-0	Pyrene	E625	ug/kg	153								
131-11-3	Dimethylphthalate	E625	ug/kg	NL								
132-64-9	Dibenzofuran	E625	ug/kg	7300								
1912-24-9	Atrazine	E625	ug/kg	6.62								
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170								
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17								
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148								
206-44-0	Fluoranthene	E625	ug/kg	113								
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240								

				sys_loc_code:	A103		A104		A106		A107	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A103 0-6		A104 0-6		A106 0-6		A107 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/20/2009		07/20/2009		07/20/2009		07/20/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
208-96-8	Acenaphthylene	E625	ug/kg	5.87								
218-01-9	Chrysene	E625	ug/kg	108								
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8								
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200								
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611								
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22								
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8								
58-90-2	Chlorophenols	E625	ug/kg	284								
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000								
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120								
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4								
67-72-1	Hexachloroethane	E625	ug/kg	804								
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL								
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139								
78-59-1	Isophorone	E625	ug/kg	511000								
83-32-9	Acenaphthene	E625	ug/kg	6.71								
84-66-2	Diethylphthalate	E625	ug/kg	218								
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160								
85-01-8	Phenanthrene	E625	ug/kg	86.7								
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800								
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100								
86-73-7	Fluorene	E625	ug/kg	19								
86-74-8	Carbazole	E625	ug/kg	NL								
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110								
87-86-5	Pentachlorophenol	E625	ug/kg	2970								
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650								
88-74-4	2-Nitroaniline	E625	ug/kg	60600								
88-75-5	2-Nitrophenol	E625	ug/kg	NL								
91-20-3	Naphthalene	E625	ug/kg	34.6								
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2								
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000								
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080								
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220								

				sys_loc_code:	A103		A104		A106		A107	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A103 0-6		A104 0-6		A106 0-6		A107 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/20/2009		07/20/2009		07/20/2009		07/20/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
95-48-7	2-Methylphenol	E625	ug/kg	306000								
95-57-8	2-Chlorophenol	E625	ug/kg	344								
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830								
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819								
98-86-2	Acetophenone	E625	ug/kg	782000								
98-95-3	Nitrobenzene	E625	ug/kg	4790								
99-09-2	3-Nitroaniline	E625	ug/kg	NL								

Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
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Area 1 Sediment Samples < 12 inches

				sys_loc_code:	A108		A11		A115		A116	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A108 0-6		A11 0-6		A115 0-6		A116 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/20/2009		07/01/2009		07/20/2009		07/20/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	C200.7	mg/kg	7740								
7439-89-6	Iron	C200.7	mg/kg	2000								
7439-92-1	Lead	C200.7	mg/kg	30.2								
7439-95-4	Magnesium	C200.7	mg/kg	NL								
7439-96-5	Manganese	C200.7	mg/kg	183								
7440-02-0	Nickel	C200.7	mg/kg	15.9								
7440-09-7	Potassium	C200.7	mg/kg	NL								
7440-22-4	Silver	C200.7	mg/kg	0.73								
7440-23-5	Sodium	C200.7	mg/kg	NL								
7440-28-0	Thallium	C200.7	mg/kg	100000								
7440-31-5	Tin	C200.7	mg/kg	NL								
7440-36-0	Antimony	C200.7	mg/kg	2								
7440-38-2	Arsenic	C200.7	mg/kg	0.389								
7440-39-3	Barium	C200.7	mg/kg	130.1								
7440-41-7	Beryllium	C200.7	mg/kg	15.6								
7440-43-9	Cadmium	C200.7	mg/kg	0.68								
7440-47-3	Chromium	C200.7	mg/kg	52.3								
7440-48-4	Cobalt	C200.7	mg/kg	2.34								
7440-50-8	Copper	C200.7	mg/kg	18.7								
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548								
7440-66-6	Zinc	C200.7	mg/kg	124								
7440-70-2	Calcium	C200.7	mg/kg	NL								
7782-49-2	Selenium	C200.7	mg/kg	2								
7429-90-5	Aluminum	E200.7	mg/kg	7740	1400		768	J	1440	J	1560	J
7439-89-6	Iron	E200.7	mg/kg	2000	7790		17500	J	5200	J	6380	J
7439-92-1	Lead	E200.7	mg/kg	30.2			9					
7439-95-4	Magnesium	E200.7	mg/kg	NL	609	J	275	J	668	UJ	636	UJ
7439-96-5	Manganese	E200.7	mg/kg	183			50.4	J				
7440-02-0	Nickel	E200.7	mg/kg	15.9								
7440-09-7	Potassium	E200.7	mg/kg	NL	716	U	74.8	J	668	U	636	UJ
7440-22-4	Silver	E200.7	mg/kg	0.73								
7440-23-5	Sodium	E200.7	mg/kg	NL	2540		1010		2030	J	1850	J
7440-31-5	Tin	E200.7	mg/kg	NL								

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Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 1 Sediment Samples < 12 inches

				sys_loc_code:	A108		A11		A115		A116	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A108 0-6		A11 0-6		A115 0-6		A116 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/20/2009		07/01/2009		07/20/2009		07/20/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7440-36-0	Antimony	E200.7	mg/kg	2								
7440-38-2	Arsenic	E200.7	mg/kg	0.389			4.7	J				
7440-47-3	Chromium	E200.7	mg/kg	52.3								
7440-50-8	Copper	E200.7	mg/kg	18.7			4	J				
7440-66-6	Zinc	E200.7	mg/kg	124			30.1					
7440-70-2	Calcium	E200.7	mg/kg	NL	315	J	509	U	2120		645	J
7439-92-1	Lead	E200.8	mg/kg	30.2	231				34.3		45.4	J
7439-96-5	Manganese	E200.8	mg/kg	183	22.7				31.7		27.5	J
7440-02-0	Nickel	E200.8	mg/kg	15.9	2.1		1.5	J	2.6		2.5	J
7440-22-4	Silver	E200.8	mg/kg	0.73	0.36	U	0.28	UJ	0.33	UJ	0.32	UJ
7440-28-0	Thallium	E200.8	mg/kg	100000	0.72	U	0.57	U	0.67	U	0.64	UJ
7440-36-0	Antimony	E200.8	mg/kg	2	10.5		1.7		1.7		2.3	J
7440-38-2	Arsenic	E200.8	mg/kg	0.389	6.6	J			4.3	J	3.7	J
7440-39-3	Barium	E200.8	mg/kg	130.1	7.2	U	5.7	UJ	6.7	UJ	6.4	UJ
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.26	J	0.28	U	0.21	J	0.17	J
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.36	U	0.28	U	0.33	U	0.32	UJ
7440-47-3	Chromium	E200.8	mg/kg	52.3	6.4		7.2		6.3		6.6	J
7440-48-4	Cobalt	E200.8	mg/kg	2.34	0.95		0.62	J	1.4		0.95	J
7440-50-8	Copper	E200.8	mg/kg	18.7	15		9.4		7.2		9	J
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	13.4	J	26.2		11.4	J	11.6	J
7440-66-6	Zinc	E200.8	mg/kg	124	35.2				35.3		32.3	J
7782-49-2	Selenium	E200.8	mg/kg	2	0.72	U	0.57	U	0.67	U	0.64	UJ
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.043	U	0.038	U	0.06		0.08	J
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6							2.2	U
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357							4.3	U
309-00-2	Aldrin	CPEST	ug/kg	2							2.2	U
319-84-6	Alpha-Bhc	CPEST	ug/kg	3							2.2	U
319-85-7	Beta-Bhc	CPEST	ug/kg	3							2.2	U
319-86-8	Delta-Bhc	CPEST	ug/kg	3							2.2	U
33213-65-9	Endosulfan II	CPEST	ug/kg	14							4.3	U
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19							4.3	UJ
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7							2.2	U
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7							2.2	U

				sys_loc_code:	A108		A11		A115		A116	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A108 0-6		A11 0-6		A115 0-6		A116 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/20/2009		07/01/2009		07/20/2009		07/20/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL							0.059	J
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32							2.2	U
60-57-1	Dieldrin	CPEST	ug/kg	0.72							4.3	U
72-20-8	Endrin	CPEST	ug/kg	2.67							4.3	U
72-43-5	Methoxychlor	CPEST	ug/kg	29.6							22	U
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22							4.3	U
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07							4.3	U
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL							4.3	U
76-44-8	Heptachlor	CPEST	ug/kg	68							2.2	U
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1							220	U
959-98-8	Endosulfan I	CPEST	ug/kg	2.9							2.2	U
11096-82-5	Aroclor 1260	E608	ug/kg	21.6							43	U
11097-69-1	Aroclor 1254	E608	ug/kg	23							43	U
11100-14-4	Aroclor 1268	E608	ug/kg	21.6							43	U
11104-28-2	Aroclor 1221	E608	ug/kg	21.6							43	U
11141-16-5	Aroclor 1232	E608	ug/kg	21.6							43	U
12672-29-6	Aroclor 1248	E608	ug/kg	21.6							43	U
12674-11-2	Aroclor 1016	E608	ug/kg	21.6							43	U
37324-23-5	Aroclor 1262	E608	ug/kg	21.6							43	U
53469-21-9	Aroclor 1242	E608	ug/kg	21.6							43	U
100-41-4	Ethylbenzene	E624	ug/kg	305							6.4	U
100-42-5	Styrene	E624	ug/kg	7070							6.4	U
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL							6.4	U
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL							6.4	U
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460							6.4	U
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7							6.4	U
107-06-2	1,2-Dichloroethane	E624	ug/kg	432							6.4	U
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000							13	U
108-87-2	Methylcyclohexane	E624	ug/kg	NL							6.4	U
108-88-3	Toluene	E624	ug/kg	1090							6.4	U
108-90-7	Chlorobenzene	E624	ug/kg	162							6.4	U
110-82-7	Cyclohexane	E624	ug/kg	117000							6.4	U
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473							6.4	U

				sys_loc_code:	A108		A11		A115		A116	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A108 0-6		A11 0-6		A115 0-6		A116 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/20/2009		07/01/2009		07/20/2009		07/20/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
123-91-1	1,4-Dioxane	E624	ug/kg	44100							130	R
124-48-1	Dibromochloromethane	E624	ug/kg	680							6.4	U
127-18-4	Tetrachloroethene	E624	ug/kg	190							6.4	U
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200							6.4	U
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300							6.4	U
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300							6.4	U
179601-23-1	m,p-Xylene	E624	ug/kg	NL							6.4	U
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842							6.4	U
56-23-5	Carbon tetrachloride	E624	ug/kg	248							6.4	U
591-78-6	2-Hexanone	E624	ug/kg	20900							13	U
67-64-1	Acetone	E624	ug/kg	6130000							28	
67-66-3	Chloroform	E624	ug/kg	295							6.4	U
71-43-2	Benzene	E624	ug/kg	137							6.4	U
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856							6.4	U
74-83-9	Bromomethane	E624	ug/kg	732							6.4	U
74-87-3	Chloromethane	E624	ug/kg	11900							6.4	U
74-97-5	Bromochloromethane	E624	ug/kg	NL							6.4	U
75-00-3	Chloroethane	E624	ug/kg	1450000							6.4	U
75-01-4	Vinyl Chloride	E624	ug/kg	59.7							6.4	U
75-09-2	Methylene chloride	E624	ug/kg	10700							6.4	U
75-15-0	Carbon Disulfide	E624	ug/kg	0.851							2.1	J
75-25-2	Bromoform	E624	ug/kg	1310							6.4	U
75-27-4	Bromodichloromethane	E624	ug/kg	273							6.4	U
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310							6.4	U
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780							6.4	U
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700							6.4	U
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400							6.4	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000							6.4	U
78-87-5	1,2-Dichloropropane	E624	ug/kg	895							6.4	U
78-93-3	2-Butanone	E624	ug/kg	2780000							13	U
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570							6.4	U
79-01-6	Trichloroethene	E624	ug/kg	1600							6.4	U
79-20-9	Methyl Acetate	E624	ug/kg	7820000							6.4	U

				sys_loc_code:	A108		A11		A115		A116	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A108 0-6		A11 0-6		A115 0-6		A116 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/20/2009		07/01/2009		07/20/2009		07/20/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202							6.4	U
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858							6.4	U
95-47-6	o-Xylene	E624	ug/kg	NL							6.4	U
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989							6.4	U
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35							6.4	U
98-82-8	Isopropylbenzene	E624	ug/kg	86							6.4	U
100-01-6	4-Nitroaniline	E625	ug/kg	24300							430	U
100-02-7	4-Nitrophenol	E625	ug/kg	NL							430	U
100-52-7	Benzaldehyde	E625	ug/kg	782000							54	J
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230							220	UJ
105-60-2	Caprolactam	E625	ug/kg	3060000							220	U
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29							220	U
106-44-5	4-Methylphenol	E625	ug/kg	670							220	U
106-47-8	4-Chloroaniline	E625	ug/kg	2430							220	U
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570							220	U
108-95-2	Phenol	E625	ug/kg	420							28	J
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214							220	U
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300							220	U
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182							21	J
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL							220	U
118-74-1	Hexachlorobenzene	E625	ug/kg	20							220	UJ
120-12-7	Anthracene	E625	ug/kg	46.9							220	U
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117							220	U
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6							220	U
129-00-0	Pyrene	E625	ug/kg	153							16	J
131-11-3	Dimethylphthalate	E625	ug/kg	NL							220	U
132-64-9	Dibenzofuran	E625	ug/kg	7300							220	U
1912-24-9	Atrazine	E625	ug/kg	6.62							220	U
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170							220	U
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17							220	U
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148							14	J
206-44-0	Fluoranthene	E625	ug/kg	113							13	J
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240							220	U

				sys_loc_code:	A108		A11		A115		A116	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A108 0-6		A11 0-6		A115 0-6		A116 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/20/2009		07/01/2009		07/20/2009		07/20/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
208-96-8	Acenaphthylene	E625	ug/kg	5.87							220	U
218-01-9	Chrysene	E625	ug/kg	108							7.2	J
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8							12	J
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200							430	U
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611							430	U
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22							220	U
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8							12	J
58-90-2	Chlorophenols	E625	ug/kg	284							220	U
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000							220	U
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120							220	U
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4							220	U
67-72-1	Hexachloroethane	E625	ug/kg	804							220	U
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL							220	U
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139							220	U
78-59-1	Isophorone	E625	ug/kg	511000							220	U
83-32-9	Acenaphthene	E625	ug/kg	6.71							220	U
84-66-2	Diethylphthalate	E625	ug/kg	218							7.5	J
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160							10	J
85-01-8	Phenanthrene	E625	ug/kg	86.7							7.4	J
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800							220	U
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100							220	U
86-73-7	Fluorene	E625	ug/kg	19							220	U
86-74-8	Carbazole	E625	ug/kg	NL							220	U
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110							220	U
87-86-5	Pentachlorophenol	E625	ug/kg	2970							430	U
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650							220	U
88-74-4	2-Nitroaniline	E625	ug/kg	60600							430	U
88-75-5	2-Nitrophenol	E625	ug/kg	NL							220	U
91-20-3	Naphthalene	E625	ug/kg	34.6							220	U
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2							220	U
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000							220	U
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080							220	U
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220							220	U

				sys_loc_code:	A108		A11		A115		A116	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A108 0-6		A11 0-6		A115 0-6		A116 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/20/2009		07/01/2009		07/20/2009		07/20/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
95-48-7	2-Methylphenol	E625	ug/kg	306000							220	U
95-57-8	2-Chlorophenol	E625	ug/kg	344							220	U
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830							220	U
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819							220	U
98-86-2	Acetophenone	E625	ug/kg	782000							21	J
98-95-3	Nitrobenzene	E625	ug/kg	4790							220	U
99-09-2	3-Nitroaniline	E625	ug/kg	NL							430	U

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				sys_loc_code:	A117		A12		A13		A134	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A117 0-6		A12 0-6		A13 0-6		A134 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/20/2009		07/01/2009		07/14/2009		07/15/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	C200.7	mg/kg	7740								
7439-89-6	Iron	C200.7	mg/kg	2000								
7439-92-1	Lead	C200.7	mg/kg	30.2								
7439-95-4	Magnesium	C200.7	mg/kg	NL								
7439-96-5	Manganese	C200.7	mg/kg	183								
7440-02-0	Nickel	C200.7	mg/kg	15.9								
7440-09-7	Potassium	C200.7	mg/kg	NL								
7440-22-4	Silver	C200.7	mg/kg	0.73								
7440-23-5	Sodium	C200.7	mg/kg	NL								
7440-28-0	Thallium	C200.7	mg/kg	100000								
7440-31-5	Tin	C200.7	mg/kg	NL								
7440-36-0	Antimony	C200.7	mg/kg	2								
7440-38-2	Arsenic	C200.7	mg/kg	0.389								
7440-39-3	Barium	C200.7	mg/kg	130.1								
7440-41-7	Beryllium	C200.7	mg/kg	15.6								
7440-43-9	Cadmium	C200.7	mg/kg	0.68								
7440-47-3	Chromium	C200.7	mg/kg	52.3								
7440-48-4	Cobalt	C200.7	mg/kg	2.34								
7440-50-8	Copper	C200.7	mg/kg	18.7								
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548								
7440-66-6	Zinc	C200.7	mg/kg	124								
7440-70-2	Calcium	C200.7	mg/kg	NL								
7782-49-2	Selenium	C200.7	mg/kg	2								
7429-90-5	Aluminum	E200.7	mg/kg	7740	1190	J	1010	J	3870		512	
7439-89-6	Iron	E200.7	mg/kg	2000	6300	J	19800	J	96800		7620	
7439-92-1	Lead	E200.7	mg/kg	30.2			22.1		16.4			
7439-95-4	Magnesium	E200.7	mg/kg	NL	645	UJ	288	J	545	J	366	
7439-96-5	Manganese	E200.7	mg/kg	183			37.2	J	98.1			
7440-02-0	Nickel	E200.7	mg/kg	15.9								
7440-09-7	Potassium	E200.7	mg/kg	NL	645	UJ	88.3	J	287	J	642	
7440-22-4	Silver	E200.7	mg/kg	0.73								
7440-23-5	Sodium	E200.7	mg/kg	NL	1990	J	837		1500		2100	
7440-31-5	Tin	E200.7	mg/kg	NL								

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				sys_loc_code:	A117		A12		A13		A134	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A117 0-6		A12 0-6		A13 0-6		A134 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/20/2009		07/01/2009		07/14/2009		07/15/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7440-36-0	Antimony	E200.7	mg/kg	2								
7440-38-2	Arsenic	E200.7	mg/kg	0.389			6.9	J	18.6			
7440-47-3	Chromium	E200.7	mg/kg	52.3								
7440-50-8	Copper	E200.7	mg/kg	18.7			7.7	J	8.8			
7440-66-6	Zinc	E200.7	mg/kg	124			34.1		52.9			
7440-70-2	Calcium	E200.7	mg/kg	NL	1460	J	870		1160		287	
7439-92-1	Lead	E200.8	mg/kg	30.2	102	J					9.6	J
7439-96-5	Manganese	E200.8	mg/kg	183	22.6	J					21.9	J
7440-02-0	Nickel	E200.8	mg/kg	15.9	1.7	J	2.6	J	5.5		0.9	J
7440-22-4	Silver	E200.8	mg/kg	0.73	0.32	UJ	0.24	UJ	0.3	UJ	0.32	UJ
7440-28-0	Thallium	E200.8	mg/kg	100000	0.65	UJ	0.49	U	0.61	UJ	0.64	U
7440-36-0	Antimony	E200.8	mg/kg	2	3.5	J	1.6		1.2	U	1.3	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389	3.9	J					2.5	J
7440-39-3	Barium	E200.8	mg/kg	130.1	6.5	UJ	4.9	UJ	2.8	J	6.4	UJ
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.18	J	0.32		0.87		0.32	U
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.32	UJ	0.24	U	0.37		0.32	UJ
7440-47-3	Chromium	E200.8	mg/kg	52.3	5.2	J	10.7		45.7	J	6	J
7440-48-4	Cobalt	E200.8	mg/kg	2.34	0.73	J	0.94	J	2	J	0.68	J
7440-50-8	Copper	E200.8	mg/kg	18.7	8.7	J					3.4	J
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	10.5	J	19.5		87.8	J	9.6	
7440-66-6	Zinc	E200.8	mg/kg	124	28.7	J					22.4	J
7782-49-2	Selenium	E200.8	mg/kg	2	0.65	UJ	0.49	U	0.3	J	0.64	U
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.042	J	0.035	U	0.036	J	0.039	U
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6								
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357								
309-00-2	Aldrin	CPEST	ug/kg	2								
319-84-6	Alpha-Bhc	CPEST	ug/kg	3								
319-85-7	Beta-Bhc	CPEST	ug/kg	3								
319-86-8	Delta-Bhc	CPEST	ug/kg	3								
33213-65-9	Endosulfan II	CPEST	ug/kg	14								
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19								
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7								
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7								

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				sys_loc_code:	A117		A12		A13		A134	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A117 0-6		A12 0-6		A13 0-6		A134 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/20/2009		07/01/2009		07/14/2009		07/15/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL								
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32								
60-57-1	Dieldrin	CPEST	ug/kg	0.72								
72-20-8	Endrin	CPEST	ug/kg	2.67								
72-43-5	Methoxychlor	CPEST	ug/kg	29.6								
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22								
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07								
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL								
76-44-8	Heptachlor	CPEST	ug/kg	68								
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1								
959-98-8	Endosulfan I	CPEST	ug/kg	2.9								
11096-82-5	Aroclor 1260	E608	ug/kg	21.6								
11097-69-1	Aroclor 1254	E608	ug/kg	23								
11100-14-4	Aroclor 1268	E608	ug/kg	21.6								
11104-28-2	Aroclor 1221	E608	ug/kg	21.6								
11141-16-5	Aroclor 1232	E608	ug/kg	21.6								
12672-29-6	Aroclor 1248	E608	ug/kg	21.6								
12674-11-2	Aroclor 1016	E608	ug/kg	21.6								
37324-23-5	Aroclor 1262	E608	ug/kg	21.6								
53469-21-9	Aroclor 1242	E608	ug/kg	21.6								
100-41-4	Ethylbenzene	E624	ug/kg	305								
100-42-5	Styrene	E624	ug/kg	7070								
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL								
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL								
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460								
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7								
107-06-2	1,2-Dichloroethane	E624	ug/kg	432								
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000								
108-87-2	Methylcyclohexane	E624	ug/kg	NL								
108-88-3	Toluene	E624	ug/kg	1090								
108-90-7	Chlorobenzene	E624	ug/kg	162								
110-82-7	Cyclohexane	E624	ug/kg	117000								
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473								

				sys_loc_code:	A117		A12		A13		A134	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A117 0-6		A12 0-6		A13 0-6		A134 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/20/2009		07/01/2009		07/14/2009		07/15/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
123-91-1	1,4-Dioxane	E624	ug/kg	44100								
124-48-1	Dibromochloromethane	E624	ug/kg	680								
127-18-4	Tetrachloroethene	E624	ug/kg	190								
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200								
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300								
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300								
179601-23-1	m,p-Xylene	E624	ug/kg	NL								
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842								
56-23-5	Carbon tetrachloride	E624	ug/kg	248								
591-78-6	2-Hexanone	E624	ug/kg	20900								
67-64-1	Acetone	E624	ug/kg	6130000								
67-66-3	Chloroform	E624	ug/kg	295								
71-43-2	Benzene	E624	ug/kg	137								
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856								
74-83-9	Bromomethane	E624	ug/kg	732								
74-87-3	Chloromethane	E624	ug/kg	11900								
74-97-5	Bromochloromethane	E624	ug/kg	NL								
75-00-3	Chloroethane	E624	ug/kg	1450000								
75-01-4	Vinyl Chloride	E624	ug/kg	59.7								
75-09-2	Methylene chloride	E624	ug/kg	10700								
75-15-0	Carbon Disulfide	E624	ug/kg	0.851								
75-25-2	Bromoform	E624	ug/kg	1310								
75-27-4	Bromodichloromethane	E624	ug/kg	273								
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310								
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780								
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700								
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400								
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000								
78-87-5	1,2-Dichloropropane	E624	ug/kg	895								
78-93-3	2-Butanone	E624	ug/kg	2780000								
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570								
79-01-6	Trichloroethene	E624	ug/kg	1600								
79-20-9	Methyl Acetate	E624	ug/kg	7820000								

				sys_loc_code:	A117		A12		A13		A134	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A117 0-6		A12 0-6		A13 0-6		A134 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/20/2009		07/01/2009		07/14/2009		07/15/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202								
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858								
95-47-6	o-Xylene	E624	ug/kg	NL								
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989								
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35								
98-82-8	Isopropylbenzene	E624	ug/kg	86								
100-01-6	4-Nitroaniline	E625	ug/kg	24300								
100-02-7	4-Nitrophenol	E625	ug/kg	NL								
100-52-7	Benzaldehyde	E625	ug/kg	782000								
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230								
105-60-2	Caprolactam	E625	ug/kg	3060000								
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29								
106-44-5	4-Methylphenol	E625	ug/kg	670								
106-47-8	4-Chloroaniline	E625	ug/kg	2430								
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570								
108-95-2	Phenol	E625	ug/kg	420								
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214								
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300								
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182								
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL								
118-74-1	Hexachlorobenzene	E625	ug/kg	20								
120-12-7	Anthracene	E625	ug/kg	46.9								
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117								
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6								
129-00-0	Pyrene	E625	ug/kg	153								
131-11-3	Dimethylphthalate	E625	ug/kg	NL								
132-64-9	Dibenzofuran	E625	ug/kg	7300								
1912-24-9	Atrazine	E625	ug/kg	6.62								
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170								
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17								
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148								
206-44-0	Fluoranthene	E625	ug/kg	113								
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240								

				sys_loc_code:	A117		A12		A13		A134	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A117 0-6		A12 0-6		A13 0-6		A134 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/20/2009		07/01/2009		07/14/2009		07/15/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
208-96-8	Acenaphthylene	E625	ug/kg	5.87								
218-01-9	Chrysene	E625	ug/kg	108								
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8								
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200								
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611								
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22								
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8								
58-90-2	Chlorophenols	E625	ug/kg	284								
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000								
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120								
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4								
67-72-1	Hexachloroethane	E625	ug/kg	804								
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL								
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139								
78-59-1	Isophorone	E625	ug/kg	511000								
83-32-9	Acenaphthene	E625	ug/kg	6.71								
84-66-2	Diethylphthalate	E625	ug/kg	218								
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160								
85-01-8	Phenanthrene	E625	ug/kg	86.7								
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800								
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100								
86-73-7	Fluorene	E625	ug/kg	19								
86-74-8	Carbazole	E625	ug/kg	NL								
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110								
87-86-5	Pentachlorophenol	E625	ug/kg	2970								
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650								
88-74-4	2-Nitroaniline	E625	ug/kg	60600								
88-75-5	2-Nitrophenol	E625	ug/kg	NL								
91-20-3	Naphthalene	E625	ug/kg	34.6								
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2								
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000								
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080								
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220								

				sys_loc_code:	A117		A12		A13		A134	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A117 0-6		A12 0-6		A13 0-6		A134 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/20/2009		07/01/2009		07/14/2009		07/15/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
95-48-7	2-Methylphenol	E625	ug/kg	306000								
95-57-8	2-Chlorophenol	E625	ug/kg	344								
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830								
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819								
98-86-2	Acetophenone	E625	ug/kg	782000								
98-95-3	Nitrobenzene	E625	ug/kg	4790								
99-09-2	3-Nitroaniline	E625	ug/kg	NL								

				sys_loc_code:	A135		A136		A137		A138	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A135 0-6		A136 0-6		A137 0-6		A138 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/15/2009		07/14/2009		07/14/2009		07/15/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	C200.7	mg/kg	7740								
7439-89-6	Iron	C200.7	mg/kg	2000								
7439-92-1	Lead	C200.7	mg/kg	30.2								
7439-95-4	Magnesium	C200.7	mg/kg	NL								
7439-96-5	Manganese	C200.7	mg/kg	183								
7440-02-0	Nickel	C200.7	mg/kg	15.9								
7440-09-7	Potassium	C200.7	mg/kg	NL								
7440-22-4	Silver	C200.7	mg/kg	0.73								
7440-23-5	Sodium	C200.7	mg/kg	NL								
7440-28-0	Thallium	C200.7	mg/kg	100000								
7440-31-5	Tin	C200.7	mg/kg	NL								
7440-36-0	Antimony	C200.7	mg/kg	2								
7440-38-2	Arsenic	C200.7	mg/kg	0.389								
7440-39-3	Barium	C200.7	mg/kg	130.1								
7440-41-7	Beryllium	C200.7	mg/kg	15.6								
7440-43-9	Cadmium	C200.7	mg/kg	0.68								
7440-47-3	Chromium	C200.7	mg/kg	52.3								
7440-48-4	Cobalt	C200.7	mg/kg	2.34								
7440-50-8	Copper	C200.7	mg/kg	18.7								
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548								
7440-66-6	Zinc	C200.7	mg/kg	124								
7440-70-2	Calcium	C200.7	mg/kg	NL								
7782-49-2	Selenium	C200.7	mg/kg	2								
7429-90-5	Aluminum	E200.7	mg/kg	7740	501		631		474		1380	
7439-89-6	Iron	E200.7	mg/kg	2000	4660		6350		5650		11100	
7439-92-1	Lead	E200.7	mg/kg	30.2					11			
7439-95-4	Magnesium	E200.7	mg/kg	NL	419		517	J	356	J	578	
7439-96-5	Manganese	E200.7	mg/kg	183					17.5			
7440-02-0	Nickel	E200.7	mg/kg	15.9								
7440-09-7	Potassium	E200.7	mg/kg	NL	542		214	J	132	J	527	U
7440-22-4	Silver	E200.7	mg/kg	0.73								
7440-23-5	Sodium	E200.7	mg/kg	NL	2280		2270		1640		1830	
7440-31-5	Tin	E200.7	mg/kg	NL								

				sys_loc_code:	A135		A136		A137		A138	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A135 0-6		A136 0-6		A137 0-6		A138 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/15/2009		07/14/2009		07/14/2009		07/15/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7440-36-0	Antimony	E200.7	mg/kg	2								
7440-38-2	Arsenic	E200.7	mg/kg	0.389					2.2			
7440-47-3	Chromium	E200.7	mg/kg	52.3								
7440-50-8	Copper	E200.7	mg/kg	18.7					3.7			
7440-66-6	Zinc	E200.7	mg/kg	124					22.2			
7440-70-2	Calcium	E200.7	mg/kg	NL	2400		605		330	J	3080	
7439-92-1	Lead	E200.8	mg/kg	30.2	14.4	J	21.8	J			25.7	J
7439-96-5	Manganese	E200.8	mg/kg	183	48.4	J	33.3	J			72.2	J
7440-02-0	Nickel	E200.8	mg/kg	15.9	1.4	J	1.6	J	1		8	
7440-22-4	Silver	E200.8	mg/kg	0.73	0.33	UJ	0.3	UJ	0.31	UJ	0.31	UJ
7440-28-0	Thallium	E200.8	mg/kg	100000	0.67	U	0.61	U	0.62	U	0.62	U
7440-36-0	Antimony	E200.8	mg/kg	2	1.3	U	1.2	U	1.2	U	2.2	
7440-38-2	Arsenic	E200.8	mg/kg	0.389	3	J	2.2				17.1	
7440-39-3	Barium	E200.8	mg/kg	130.1	6.7	UJ	2.8	J	1.4	J	6.2	UJ
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.33	U	0.3	U	0.2	J	0.31	
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.33	UJ	0.068	J	0.31	U	0.3	J
7440-47-3	Chromium	E200.8	mg/kg	52.3	6.9	J	5	J	6.7	J	18.6	J
7440-48-4	Cobalt	E200.8	mg/kg	2.34	0.88	J	1	J	0.64	J	2	
7440-50-8	Copper	E200.8	mg/kg	18.7	5	J	6.3				15.5	
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	14.2		10.2	J	10	J	36.3	
7440-66-6	Zinc	E200.8	mg/kg	124	31.4	J	32.2				67.5	
7782-49-2	Selenium	E200.8	mg/kg	2	0.17	J	0.11	J	0.094	J	0.93	
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.041	U	0.04	U	0.027	J	0.068	
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6			2.3	U				
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357			4.4	U				
309-00-2	Aldrin	CPEST	ug/kg	2			2.3	U				
319-84-6	Alpha-Bhc	CPEST	ug/kg	3			2.3	U				
319-85-7	Beta-Bhc	CPEST	ug/kg	3			2.3	U				
319-86-8	Delta-Bhc	CPEST	ug/kg	3			2.3	U				
33213-65-9	Endosulfan II	CPEST	ug/kg	14			4.4	U				
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19			4.4	UJ				
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7			2.3	U				
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7			2.3	U				

				sys_loc_code:	A135		A136		A137		A138	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A135 0-6		A136 0-6		A137 0-6		A138 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/15/2009		07/14/2009		07/14/2009		07/15/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL			4.4	U				
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32			2.3	U				
60-57-1	Dieldrin	CPEST	ug/kg	0.72			4.4	U				
72-20-8	Endrin	CPEST	ug/kg	2.67			4.4	U				
72-43-5	Methoxychlor	CPEST	ug/kg	29.6			23	U				
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22			4.4	U				
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07			4.4	U				
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL			4.4	U				
76-44-8	Heptachlor	CPEST	ug/kg	68			2.3	U				
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1			230	U				
959-98-8	Endosulfan I	CPEST	ug/kg	2.9			2.3	U				
11096-82-5	Aroclor 1260	E608	ug/kg	21.6			44	U				
11097-69-1	Aroclor 1254	E608	ug/kg	23			44	UJ				
11100-14-4	Aroclor 1268	E608	ug/kg	21.6			44	U				
11104-28-2	Aroclor 1221	E608	ug/kg	21.6			44	U				
11141-16-5	Aroclor 1232	E608	ug/kg	21.6			44	U				
12672-29-6	Aroclor 1248	E608	ug/kg	21.6			44	U				
12674-11-2	Aroclor 1016	E608	ug/kg	21.6			44	U				
37324-23-5	Aroclor 1262	E608	ug/kg	21.6			44	U				
53469-21-9	Aroclor 1242	E608	ug/kg	21.6			44	U				
100-41-4	Ethylbenzene	E624	ug/kg	305			6.1	U				
100-42-5	Styrene	E624	ug/kg	7070			6.1	U				
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL			6.1	U				
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL			6.1	U				
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460			6.1	U				
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7			6.1	U				
107-06-2	1,2-Dichloroethane	E624	ug/kg	432			6.1	U				
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000			12	U				
108-87-2	Methylcyclohexane	E624	ug/kg	NL			6.1	U				
108-88-3	Toluene	E624	ug/kg	1090			6.1	U				
108-90-7	Chlorobenzene	E624	ug/kg	162			6.1	U				
110-82-7	Cyclohexane	E624	ug/kg	117000			6.1	U				
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473			6.1	U				

				sys_loc_code:	A135		A136		A137		A138	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A135 0-6		A136 0-6		A137 0-6		A138 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/15/2009		07/14/2009		07/14/2009		07/15/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
123-91-1	1,4-Dioxane	E624	ug/kg	44100			120	R				
124-48-1	Dibromochloromethane	E624	ug/kg	680			6.1	U				
127-18-4	Tetrachloroethene	E624	ug/kg	190			6.1	U				
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200			6.1	U				
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300			6.1	U				
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300			6.1	U				
179601-23-1	m,p-Xylene	E624	ug/kg	NL			6.1	U				
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842			6.1	U				
56-23-5	Carbon tetrachloride	E624	ug/kg	248			6.1	U				
591-78-6	2-Hexanone	E624	ug/kg	20900			12	U				
67-64-1	Acetone	E624	ug/kg	6130000			12	U				
67-66-3	Chloroform	E624	ug/kg	295			6.1	U				
71-43-2	Benzene	E624	ug/kg	137			6.1	U				
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856			6.1	U				
74-83-9	Bromomethane	E624	ug/kg	732			6.1	U				
74-87-3	Chloromethane	E624	ug/kg	11900			6.1	U				
74-97-5	Bromochloromethane	E624	ug/kg	NL			6.1	U				
75-00-3	Chloroethane	E624	ug/kg	1450000			6.1	U				
75-01-4	Vinyl Chloride	E624	ug/kg	59.7			6.1	U				
75-09-2	Methylene chloride	E624	ug/kg	10700			6.1	U				
75-15-0	Carbon Disulfide	E624	ug/kg	0.851			6.1	U				
75-25-2	Bromoform	E624	ug/kg	1310			6.1	U				
75-27-4	Bromodichloromethane	E624	ug/kg	273			6.1	U				
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310			6.1	U				
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780			6.1	U				
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700			6.1	U				
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400			6.1	U				
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000			6.1	U				
78-87-5	1,2-Dichloropropane	E624	ug/kg	895			6.1	U				
78-93-3	2-Butanone	E624	ug/kg	2780000			12	U				
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570			6.1	U				
79-01-6	Trichloroethene	E624	ug/kg	1600			6.1	U				
79-20-9	Methyl Acetate	E624	ug/kg	7820000			6.1	U				

				sys_loc_code:	A135		A136		A137		A138	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A135 0-6		A136 0-6		A137 0-6		A138 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/15/2009		07/14/2009		07/14/2009		07/15/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202			6.1	U				
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858			6.1	U				
95-47-6	o-Xylene	E624	ug/kg	NL			6.1	U				
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989			6.1	U				
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35			6.1	U				
98-82-8	Isopropylbenzene	E624	ug/kg	86			6.1	U				
100-01-6	4-Nitroaniline	E625	ug/kg	24300			440	U				
100-02-7	4-Nitrophenol	E625	ug/kg	NL			440	U				
100-52-7	Benzaldehyde	E625	ug/kg	782000			110	J				
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230			230	U				
105-60-2	Caprolactam	E625	ug/kg	3060000			230	U				
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29			230	U				
106-44-5	4-Methylphenol	E625	ug/kg	670			230	U				
106-47-8	4-Chloroaniline	E625	ug/kg	2430			230	U				
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570			230	U				
108-95-2	Phenol	E625	ug/kg	420			60	J				
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214			230	U				
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300			230	U				
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182			23	J				
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL			230	U				
118-74-1	Hexachlorobenzene	E625	ug/kg	20			230	U				
120-12-7	Anthracene	E625	ug/kg	46.9			230	U				
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117			230	U				
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6			230	U				
129-00-0	Pyrene	E625	ug/kg	153			16	J				
131-11-3	Dimethylphthalate	E625	ug/kg	NL			230	U				
132-64-9	Dibenzofuran	E625	ug/kg	7300			230	U				
1912-24-9	Atrazine	E625	ug/kg	6.62			230	U				
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170			230	U				
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17			230	U				
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148			10	J				
206-44-0	Fluoranthene	E625	ug/kg	113			18	J				
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240			230	U				

				sys_loc_code:	A135		A136		A137		A138	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A135 0-6		A136 0-6		A137 0-6		A138 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/15/2009		07/14/2009		07/14/2009		07/15/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
208-96-8	Acenaphthylene	E625	ug/kg	5.87			230	U				
218-01-9	Chrysene	E625	ug/kg	108			230	U				
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8			6.8	J				
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200			440	U				
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611			440	U				
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22			230	U				
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8			13	J				
58-90-2	Chlorophenols	E625	ug/kg	284			230	U				
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000			230	U				
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120			230	U				
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4			230	U				
67-72-1	Hexachloroethane	E625	ug/kg	804			230	U				
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL			230	U				
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139			230	U				
78-59-1	Isophorone	E625	ug/kg	511000			230	U				
83-32-9	Acenaphthene	E625	ug/kg	6.71			230	U				
84-66-2	Diethylphthalate	E625	ug/kg	218			12	J				
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160			12	J				
85-01-8	Phenanthrene	E625	ug/kg	86.7			9.8	J				
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800			230	U				
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100			230	U				
86-73-7	Fluorene	E625	ug/kg	19			230	U				
86-74-8	Carbazole	E625	ug/kg	NL			230	U				
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110			230	U				
87-86-5	Pentachlorophenol	E625	ug/kg	2970			440	U				
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650			230	U				
88-74-4	2-Nitroaniline	E625	ug/kg	60600			440	U				
88-75-5	2-Nitrophenol	E625	ug/kg	NL			230	U				
91-20-3	Naphthalene	E625	ug/kg	34.6			7.5	J				
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2			230	U				
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000			230	U				
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080			230	U				
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220			230	U				

				sys_loc_code:	A135		A136		A137		A138	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A135 0-6		A136 0-6		A137 0-6		A138 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/15/2009		07/14/2009		07/14/2009		07/15/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
95-48-7	2-Methylphenol	E625	ug/kg	306000			230	U				
95-57-8	2-Chlorophenol	E625	ug/kg	344			230	U				
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830			230	U				
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819			230	U				
98-86-2	Acetophenone	E625	ug/kg	782000			33	J				
98-95-3	Nitrobenzene	E625	ug/kg	4790			230	U				
99-09-2	3-Nitroaniline	E625	ug/kg	NL			440	U				

				sys_loc_code:	A139		A14		A140		A141	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A139 0-6		A14 0-6		A140 0-6		A141 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/15/2009		07/01/2009		07/14/2009		07/14/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	C200.7	mg/kg	7740								
7439-89-6	Iron	C200.7	mg/kg	2000								
7439-92-1	Lead	C200.7	mg/kg	30.2								
7439-95-4	Magnesium	C200.7	mg/kg	NL								
7439-96-5	Manganese	C200.7	mg/kg	183								
7440-02-0	Nickel	C200.7	mg/kg	15.9								
7440-09-7	Potassium	C200.7	mg/kg	NL								
7440-22-4	Silver	C200.7	mg/kg	0.73								
7440-23-5	Sodium	C200.7	mg/kg	NL								
7440-28-0	Thallium	C200.7	mg/kg	100000								
7440-31-5	Tin	C200.7	mg/kg	NL								
7440-36-0	Antimony	C200.7	mg/kg	2								
7440-38-2	Arsenic	C200.7	mg/kg	0.389								
7440-39-3	Barium	C200.7	mg/kg	130.1								
7440-41-7	Beryllium	C200.7	mg/kg	15.6								
7440-43-9	Cadmium	C200.7	mg/kg	0.68								
7440-47-3	Chromium	C200.7	mg/kg	52.3								
7440-48-4	Cobalt	C200.7	mg/kg	2.34								
7440-50-8	Copper	C200.7	mg/kg	18.7								
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548								
7440-66-6	Zinc	C200.7	mg/kg	124								
7440-70-2	Calcium	C200.7	mg/kg	NL								
7782-49-2	Selenium	C200.7	mg/kg	2								
7429-90-5	Aluminum	E200.7	mg/kg	7740	2920		4060	J	505		551	
7439-89-6	Iron	E200.7	mg/kg	2000	14000		64700	J	4340		3580	
7439-92-1	Lead	E200.7	mg/kg	30.2			20.1		14		13.5	
7439-95-4	Magnesium	E200.7	mg/kg	NL	1440		540	J	410	J	458	J
7439-96-5	Manganese	E200.7	mg/kg	183			59.5	J	26		35.6	
7440-02-0	Nickel	E200.7	mg/kg	15.9								
7440-09-7	Potassium	E200.7	mg/kg	NL	669		233	J	159	J	174	J
7440-22-4	Silver	E200.7	mg/kg	0.73								
7440-23-5	Sodium	E200.7	mg/kg	NL	2900		1530		1960		1980	
7440-31-5	Tin	E200.7	mg/kg	NL								

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Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 1 Sediment Samples < 12 inches

				sys_loc_code:	A139		A14		A140		A141	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A139 0-6		A14 0-6		A140 0-6		A141 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/15/2009		07/01/2009		07/14/2009		07/14/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7440-36-0	Antimony	E200.7	mg/kg	2								
7440-38-2	Arsenic	E200.7	mg/kg	0.389			11	J				
7440-47-3	Chromium	E200.7	mg/kg	52.3								
7440-50-8	Copper	E200.7	mg/kg	18.7			16.7	J	6.1		5.9	
7440-66-6	Zinc	E200.7	mg/kg	124			87.4		33.9		28.3	
7440-70-2	Calcium	E200.7	mg/kg	NL	1930		564	U	299	J	663	
7439-92-1	Lead	E200.8	mg/kg	30.2	22.2	J						
7439-96-5	Manganese	E200.8	mg/kg	183	88.6	J						
7440-02-0	Nickel	E200.8	mg/kg	15.9	5.8		13.4	J	2.1		1.5	
7440-22-4	Silver	E200.8	mg/kg	0.73	0.34	UJ	0.3	UJ	0.31	UJ	0.33	UJ
7440-28-0	Thallium	E200.8	mg/kg	100000	0.68	U	0.6	U	0.62	U	0.65	U
7440-36-0	Antimony	E200.8	mg/kg	2	1.4	U	2.2		1.2	U	1.3	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389	7.5				3.6		1.9	
7440-39-3	Barium	E200.8	mg/kg	130.1	6.8	UJ	6.1	UJ	2.4	J	2.6	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.34	U	0.52		0.1	J	0.098	J
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.24	J	5.9		0.31	U	0.33	U
7440-47-3	Chromium	E200.8	mg/kg	52.3	14.2	J	21.8		7.9	J	4.8	J
7440-48-4	Cobalt	E200.8	mg/kg	2.34	2.3		8.7	J	1.1	J	0.91	J
7440-50-8	Copper	E200.8	mg/kg	18.7	9.8							
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	19.4		45.2		19.4	J	7.2	J
7440-66-6	Zinc	E200.8	mg/kg	124	57							
7782-49-2	Selenium	E200.8	mg/kg	2	0.17	J	0.61	U	0.1	J	0.13	J
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.089		0.056		0.036	J	0.043	
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6								
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357								
309-00-2	Aldrin	CPEST	ug/kg	2								
319-84-6	Alpha-Bhc	CPEST	ug/kg	3								
319-85-7	Beta-Bhc	CPEST	ug/kg	3								
319-86-8	Delta-Bhc	CPEST	ug/kg	3								
33213-65-9	Endosulfan II	CPEST	ug/kg	14								
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19								
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7								
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7								

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				sys_loc_code:	A139		A14		A140		A141	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A139 0-6		A14 0-6		A140 0-6		A141 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/15/2009		07/01/2009		07/14/2009		07/14/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL								
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32								
60-57-1	Dieldrin	CPEST	ug/kg	0.72								
72-20-8	Endrin	CPEST	ug/kg	2.67								
72-43-5	Methoxychlor	CPEST	ug/kg	29.6								
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22								
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07								
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL								
76-44-8	Heptachlor	CPEST	ug/kg	68								
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1								
959-98-8	Endosulfan I	CPEST	ug/kg	2.9								
11096-82-5	Aroclor 1260	E608	ug/kg	21.6								
11097-69-1	Aroclor 1254	E608	ug/kg	23								
11100-14-4	Aroclor 1268	E608	ug/kg	21.6								
11104-28-2	Aroclor 1221	E608	ug/kg	21.6								
11141-16-5	Aroclor 1232	E608	ug/kg	21.6								
12672-29-6	Aroclor 1248	E608	ug/kg	21.6								
12674-11-2	Aroclor 1016	E608	ug/kg	21.6								
37324-23-5	Aroclor 1262	E608	ug/kg	21.6								
53469-21-9	Aroclor 1242	E608	ug/kg	21.6								
100-41-4	Ethylbenzene	E624	ug/kg	305								
100-42-5	Styrene	E624	ug/kg	7070								
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL								
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL								
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460								
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7								
107-06-2	1,2-Dichloroethane	E624	ug/kg	432								
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000								
108-87-2	Methylcyclohexane	E624	ug/kg	NL								
108-88-3	Toluene	E624	ug/kg	1090								
108-90-7	Chlorobenzene	E624	ug/kg	162								
110-82-7	Cyclohexane	E624	ug/kg	117000								
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473								

				sys_loc_code:	A139		A14		A140		A141	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A139 0-6		A14 0-6		A140 0-6		A141 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/15/2009		07/01/2009		07/14/2009		07/14/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
123-91-1	1,4-Dioxane	E624	ug/kg	44100								
124-48-1	Dibromochloromethane	E624	ug/kg	680								
127-18-4	Tetrachloroethene	E624	ug/kg	190								
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200								
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300								
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300								
179601-23-1	m,p-Xylene	E624	ug/kg	NL								
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842								
56-23-5	Carbon tetrachloride	E624	ug/kg	248								
591-78-6	2-Hexanone	E624	ug/kg	20900								
67-64-1	Acetone	E624	ug/kg	6130000								
67-66-3	Chloroform	E624	ug/kg	295								
71-43-2	Benzene	E624	ug/kg	137								
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856								
74-83-9	Bromomethane	E624	ug/kg	732								
74-87-3	Chloromethane	E624	ug/kg	11900								
74-97-5	Bromochloromethane	E624	ug/kg	NL								
75-00-3	Chloroethane	E624	ug/kg	1450000								
75-01-4	Vinyl Chloride	E624	ug/kg	59.7								
75-09-2	Methylene chloride	E624	ug/kg	10700								
75-15-0	Carbon Disulfide	E624	ug/kg	0.851								
75-25-2	Bromoform	E624	ug/kg	1310								
75-27-4	Bromodichloromethane	E624	ug/kg	273								
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310								
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780								
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700								
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400								
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000								
78-87-5	1,2-Dichloropropane	E624	ug/kg	895								
78-93-3	2-Butanone	E624	ug/kg	2780000								
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570								
79-01-6	Trichloroethene	E624	ug/kg	1600								
79-20-9	Methyl Acetate	E624	ug/kg	7820000								

				sys_loc_code:	A139		A14		A140		A141	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A139 0-6		A14 0-6		A140 0-6		A141 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/15/2009		07/01/2009		07/14/2009		07/14/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202								
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858								
95-47-6	o-Xylene	E624	ug/kg	NL								
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989								
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35								
98-82-8	Isopropylbenzene	E624	ug/kg	86								
100-01-6	4-Nitroaniline	E625	ug/kg	24300								
100-02-7	4-Nitrophenol	E625	ug/kg	NL								
100-52-7	Benzaldehyde	E625	ug/kg	782000								
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230								
105-60-2	Caprolactam	E625	ug/kg	3060000								
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29								
106-44-5	4-Methylphenol	E625	ug/kg	670								
106-47-8	4-Chloroaniline	E625	ug/kg	2430								
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570								
108-95-2	Phenol	E625	ug/kg	420								
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214								
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300								
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182								
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL								
118-74-1	Hexachlorobenzene	E625	ug/kg	20								
120-12-7	Anthracene	E625	ug/kg	46.9								
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117								
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6								
129-00-0	Pyrene	E625	ug/kg	153								
131-11-3	Dimethylphthalate	E625	ug/kg	NL								
132-64-9	Dibenzofuran	E625	ug/kg	7300								
1912-24-9	Atrazine	E625	ug/kg	6.62								
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170								
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17								
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148								
206-44-0	Fluoranthene	E625	ug/kg	113								
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240								

				sys_loc_code:	A139		A14		A140		A141	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A139 0-6		A14 0-6		A140 0-6		A141 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/15/2009		07/01/2009		07/14/2009		07/14/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
208-96-8	Acenaphthylene	E625	ug/kg	5.87								
218-01-9	Chrysene	E625	ug/kg	108								
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8								
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200								
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611								
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22								
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8								
58-90-2	Chlorophenols	E625	ug/kg	284								
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000								
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120								
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4								
67-72-1	Hexachloroethane	E625	ug/kg	804								
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL								
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139								
78-59-1	Isophorone	E625	ug/kg	511000								
83-32-9	Acenaphthene	E625	ug/kg	6.71								
84-66-2	Diethylphthalate	E625	ug/kg	218								
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160								
85-01-8	Phenanthrene	E625	ug/kg	86.7								
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800								
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100								
86-73-7	Fluorene	E625	ug/kg	19								
86-74-8	Carbazole	E625	ug/kg	NL								
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110								
87-86-5	Pentachlorophenol	E625	ug/kg	2970								
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650								
88-74-4	2-Nitroaniline	E625	ug/kg	60600								
88-75-5	2-Nitrophenol	E625	ug/kg	NL								
91-20-3	Naphthalene	E625	ug/kg	34.6								
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2								
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000								
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080								
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220								

				sys_loc_code:	A139		A14		A140		A141	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A139 0-6		A14 0-6		A140 0-6		A141 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/15/2009		07/01/2009		07/14/2009		07/14/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
95-48-7	2-Methylphenol	E625	ug/kg	306000								
95-57-8	2-Chlorophenol	E625	ug/kg	344								
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830								
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819								
98-86-2	Acetophenone	E625	ug/kg	782000								
98-95-3	Nitrobenzene	E625	ug/kg	4790								
99-09-2	3-Nitroaniline	E625	ug/kg	NL								

				sys_loc_code:	A142		A143		A144		A145	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A142 0-6		A143 0-6		A144 0-6		A145 0-6	
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				sample_date:	07/15/2009		07/15/2009		07/15/2009		07/15/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	C200.7	mg/kg	7740								
7439-89-6	Iron	C200.7	mg/kg	2000								
7439-92-1	Lead	C200.7	mg/kg	30.2								
7439-95-4	Magnesium	C200.7	mg/kg	NL								
7439-96-5	Manganese	C200.7	mg/kg	183								
7440-02-0	Nickel	C200.7	mg/kg	15.9								
7440-09-7	Potassium	C200.7	mg/kg	NL								
7440-22-4	Silver	C200.7	mg/kg	0.73								
7440-23-5	Sodium	C200.7	mg/kg	NL								
7440-28-0	Thallium	C200.7	mg/kg	100000								
7440-31-5	Tin	C200.7	mg/kg	NL								
7440-36-0	Antimony	C200.7	mg/kg	2								
7440-38-2	Arsenic	C200.7	mg/kg	0.389								
7440-39-3	Barium	C200.7	mg/kg	130.1								
7440-41-7	Beryllium	C200.7	mg/kg	15.6								
7440-43-9	Cadmium	C200.7	mg/kg	0.68								
7440-47-3	Chromium	C200.7	mg/kg	52.3								
7440-48-4	Cobalt	C200.7	mg/kg	2.34								
7440-50-8	Copper	C200.7	mg/kg	18.7								
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548								
7440-66-6	Zinc	C200.7	mg/kg	124								
7440-70-2	Calcium	C200.7	mg/kg	NL								
7782-49-2	Selenium	C200.7	mg/kg	2								
7429-90-5	Aluminum	E200.7	mg/kg	7740	688		1190		2250		984	
7439-89-6	Iron	E200.7	mg/kg	2000	4550		6230		16300		8600	
7439-92-1	Lead	E200.7	mg/kg	30.2								
7439-95-4	Magnesium	E200.7	mg/kg	NL	521		701		977		520	J
7439-96-5	Manganese	E200.7	mg/kg	183								
7440-02-0	Nickel	E200.7	mg/kg	15.9								
7440-09-7	Potassium	E200.7	mg/kg	NL	479	U	548	U	510	U	596	U
7440-22-4	Silver	E200.7	mg/kg	0.73								
7440-23-5	Sodium	E200.7	mg/kg	NL	2330		2360		2230		1540	
7440-31-5	Tin	E200.7	mg/kg	NL								

				sys_loc_code:	A142		A143		A144		A145	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A142 0-6		A143 0-6		A144 0-6		A145 0-6	
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				sample_date:	07/15/2009		07/15/2009		07/15/2009		07/15/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7440-36-0	Antimony	E200.7	mg/kg	2								
7440-38-2	Arsenic	E200.7	mg/kg	0.389								
7440-47-3	Chromium	E200.7	mg/kg	52.3								
7440-50-8	Copper	E200.7	mg/kg	18.7								
7440-66-6	Zinc	E200.7	mg/kg	124								
7440-70-2	Calcium	E200.7	mg/kg	NL	1130		1060		3260		7840	
7439-92-1	Lead	E200.8	mg/kg	30.2	17.9	J	17.7	J	14	J	18.9	J
7439-96-5	Manganese	E200.8	mg/kg	183	35.2	J	84.9	J	75.2	J	71.4	J
7440-02-0	Nickel	E200.8	mg/kg	15.9	1.5		2.1		7.2		6.3	
7440-22-4	Silver	E200.8	mg/kg	0.73	0.3	UJ	0.32	UJ	0.31	UJ	0.31	UJ
7440-28-0	Thallium	E200.8	mg/kg	100000	0.61	U	0.64	U	0.63	U	0.62	U
7440-36-0	Antimony	E200.8	mg/kg	2	1.2	U	1.3	U	1.2	U	1.2	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389	1.6		1.9		11		14	
7440-39-3	Barium	E200.8	mg/kg	130.1	6.1	UJ	6.4	UJ	6.3	UJ	6.2	UJ
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.3	U	0.32	U	0.42		0.31	U
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.11	J	0.11	J	0.23	J	0.18	J
7440-47-3	Chromium	E200.8	mg/kg	52.3	5.6	J	6.6	J	13.5	J	10.7	J
7440-48-4	Cobalt	E200.8	mg/kg	2.34	1.1		1.3		2.3		2	
7440-50-8	Copper	E200.8	mg/kg	18.7	6		12.3		13		11.6	
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	10.5		11.2		25.4		21.9	
7440-66-6	Zinc	E200.8	mg/kg	124	32		39.9		63		57.8	
7782-49-2	Selenium	E200.8	mg/kg	2	0.61	U	0.64	U	0.68		1.1	
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.039	U	0.08		0.1		0.082	
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6								
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357								
309-00-2	Aldrin	CPEST	ug/kg	2								
319-84-6	Alpha-Bhc	CPEST	ug/kg	3								
319-85-7	Beta-Bhc	CPEST	ug/kg	3								
319-86-8	Delta-Bhc	CPEST	ug/kg	3								
33213-65-9	Endosulfan II	CPEST	ug/kg	14								
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19								
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7								
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7								

				sys_loc_code:	A142		A143		A144		A145	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A142 0-6		A143 0-6		A144 0-6		A145 0-6	
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				sample_date:	07/15/2009		07/15/2009		07/15/2009		07/15/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL								
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32								
60-57-1	Dieldrin	CPEST	ug/kg	0.72								
72-20-8	Endrin	CPEST	ug/kg	2.67								
72-43-5	Methoxychlor	CPEST	ug/kg	29.6								
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22								
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07								
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL								
76-44-8	Heptachlor	CPEST	ug/kg	68								
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1								
959-98-8	Endosulfan I	CPEST	ug/kg	2.9								
11096-82-5	Aroclor 1260	E608	ug/kg	21.6								
11097-69-1	Aroclor 1254	E608	ug/kg	23								
11100-14-4	Aroclor 1268	E608	ug/kg	21.6								
11104-28-2	Aroclor 1221	E608	ug/kg	21.6								
11141-16-5	Aroclor 1232	E608	ug/kg	21.6								
12672-29-6	Aroclor 1248	E608	ug/kg	21.6								
12674-11-2	Aroclor 1016	E608	ug/kg	21.6								
37324-23-5	Aroclor 1262	E608	ug/kg	21.6								
53469-21-9	Aroclor 1242	E608	ug/kg	21.6								
100-41-4	Ethylbenzene	E624	ug/kg	305								
100-42-5	Styrene	E624	ug/kg	7070								
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL								
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL								
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460								
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7								
107-06-2	1,2-Dichloroethane	E624	ug/kg	432								
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000								
108-87-2	Methylcyclohexane	E624	ug/kg	NL								
108-88-3	Toluene	E624	ug/kg	1090								
108-90-7	Chlorobenzene	E624	ug/kg	162								
110-82-7	Cyclohexane	E624	ug/kg	117000								
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473								

				sys_loc_code:	A142		A143		A144		A145	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A142 0-6		A143 0-6		A144 0-6		A145 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/15/2009		07/15/2009		07/15/2009		07/15/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
123-91-1	1,4-Dioxane	E624	ug/kg	44100								
124-48-1	Dibromochloromethane	E624	ug/kg	680								
127-18-4	Tetrachloroethene	E624	ug/kg	190								
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200								
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300								
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300								
179601-23-1	m,p-Xylene	E624	ug/kg	NL								
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842								
56-23-5	Carbon tetrachloride	E624	ug/kg	248								
591-78-6	2-Hexanone	E624	ug/kg	20900								
67-64-1	Acetone	E624	ug/kg	6130000								
67-66-3	Chloroform	E624	ug/kg	295								
71-43-2	Benzene	E624	ug/kg	137								
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856								
74-83-9	Bromomethane	E624	ug/kg	732								
74-87-3	Chloromethane	E624	ug/kg	11900								
74-97-5	Bromochloromethane	E624	ug/kg	NL								
75-00-3	Chloroethane	E624	ug/kg	1450000								
75-01-4	Vinyl Chloride	E624	ug/kg	59.7								
75-09-2	Methylene chloride	E624	ug/kg	10700								
75-15-0	Carbon Disulfide	E624	ug/kg	0.851								
75-25-2	Bromoform	E624	ug/kg	1310								
75-27-4	Bromodichloromethane	E624	ug/kg	273								
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310								
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780								
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700								
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400								
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000								
78-87-5	1,2-Dichloropropane	E624	ug/kg	895								
78-93-3	2-Butanone	E624	ug/kg	2780000								
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570								
79-01-6	Trichloroethene	E624	ug/kg	1600								
79-20-9	Methyl Acetate	E624	ug/kg	7820000								

				sys_loc_code:	A142		A143		A144		A145	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A142 0-6		A143 0-6		A144 0-6		A145 0-6	
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				sample_date:	07/15/2009		07/15/2009		07/15/2009		07/15/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202								
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858								
95-47-6	o-Xylene	E624	ug/kg	NL								
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989								
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35								
98-82-8	Isopropylbenzene	E624	ug/kg	86								
100-01-6	4-Nitroaniline	E625	ug/kg	24300								
100-02-7	4-Nitrophenol	E625	ug/kg	NL								
100-52-7	Benzaldehyde	E625	ug/kg	782000								
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230								
105-60-2	Caprolactam	E625	ug/kg	3060000								
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29								
106-44-5	4-Methylphenol	E625	ug/kg	670								
106-47-8	4-Chloroaniline	E625	ug/kg	2430								
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570								
108-95-2	Phenol	E625	ug/kg	420								
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214								
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300								
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182								
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL								
118-74-1	Hexachlorobenzene	E625	ug/kg	20								
120-12-7	Anthracene	E625	ug/kg	46.9								
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117								
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6								
129-00-0	Pyrene	E625	ug/kg	153								
131-11-3	Dimethylphthalate	E625	ug/kg	NL								
132-64-9	Dibenzofuran	E625	ug/kg	7300								
1912-24-9	Atrazine	E625	ug/kg	6.62								
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170								
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17								
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148								
206-44-0	Fluoranthene	E625	ug/kg	113								
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240								

				sys_loc_code:	A142		A143		A144		A145	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A142 0-6		A143 0-6		A144 0-6		A145 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/15/2009		07/15/2009		07/15/2009		07/15/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
208-96-8	Acenaphthylene	E625	ug/kg	5.87								
218-01-9	Chrysene	E625	ug/kg	108								
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8								
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200								
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611								
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22								
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8								
58-90-2	Chlorophenols	E625	ug/kg	284								
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000								
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120								
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4								
67-72-1	Hexachloroethane	E625	ug/kg	804								
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL								
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139								
78-59-1	Isophorone	E625	ug/kg	511000								
83-32-9	Acenaphthene	E625	ug/kg	6.71								
84-66-2	Diethylphthalate	E625	ug/kg	218								
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160								
85-01-8	Phenanthrene	E625	ug/kg	86.7								
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800								
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100								
86-73-7	Fluorene	E625	ug/kg	19								
86-74-8	Carbazole	E625	ug/kg	NL								
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110								
87-86-5	Pentachlorophenol	E625	ug/kg	2970								
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650								
88-74-4	2-Nitroaniline	E625	ug/kg	60600								
88-75-5	2-Nitrophenol	E625	ug/kg	NL								
91-20-3	Naphthalene	E625	ug/kg	34.6								
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2								
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000								
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080								
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220								

				sys_loc_code:	A142		A143		A144		A145	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A142 0-6		A143 0-6		A144 0-6		A145 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/15/2009		07/15/2009		07/15/2009		07/15/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
95-48-7	2-Methylphenol	E625	ug/kg	306000								
95-57-8	2-Chlorophenol	E625	ug/kg	344								
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830								
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819								
98-86-2	Acetophenone	E625	ug/kg	782000								
98-95-3	Nitrobenzene	E625	ug/kg	4790								
99-09-2	3-Nitroaniline	E625	ug/kg	NL								

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				sys_loc_code:	A146		A147		A148		A149	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A146 0-6		A147 0-6		A148 0-6		A149 0-6	
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				sample_date:	07/14/2009		07/16/2009		07/16/2009		07/16/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	C200.7	mg/kg	7740								
7439-89-6	Iron	C200.7	mg/kg	2000								
7439-92-1	Lead	C200.7	mg/kg	30.2								
7439-95-4	Magnesium	C200.7	mg/kg	NL								
7439-96-5	Manganese	C200.7	mg/kg	183								
7440-02-0	Nickel	C200.7	mg/kg	15.9								
7440-09-7	Potassium	C200.7	mg/kg	NL								
7440-22-4	Silver	C200.7	mg/kg	0.73								
7440-23-5	Sodium	C200.7	mg/kg	NL								
7440-28-0	Thallium	C200.7	mg/kg	100000								
7440-31-5	Tin	C200.7	mg/kg	NL								
7440-36-0	Antimony	C200.7	mg/kg	2								
7440-38-2	Arsenic	C200.7	mg/kg	0.389								
7440-39-3	Barium	C200.7	mg/kg	130.1								
7440-41-7	Beryllium	C200.7	mg/kg	15.6								
7440-43-9	Cadmium	C200.7	mg/kg	0.68								
7440-47-3	Chromium	C200.7	mg/kg	52.3								
7440-48-4	Cobalt	C200.7	mg/kg	2.34								
7440-50-8	Copper	C200.7	mg/kg	18.7								
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548								
7440-66-6	Zinc	C200.7	mg/kg	124								
7440-70-2	Calcium	C200.7	mg/kg	NL								
7782-49-2	Selenium	C200.7	mg/kg	2								
7429-90-5	Aluminum	E200.7	mg/kg	7740	1760		1090		530		1180	
7439-89-6	Iron	E200.7	mg/kg	2000	15700		6570		4950		10700	
7439-92-1	Lead	E200.7	mg/kg	30.2	17.7							
7439-95-4	Magnesium	E200.7	mg/kg	NL	591	J	483		313	J	481	J
7439-96-5	Manganese	E200.7	mg/kg	183	45.7							
7440-02-0	Nickel	E200.7	mg/kg	15.9								
7440-09-7	Potassium	E200.7	mg/kg	NL	255	J	329	J	608	U	496	U
7440-22-4	Silver	E200.7	mg/kg	0.73								
7440-23-5	Sodium	E200.7	mg/kg	NL	1780		1580		1380		1950	
7440-31-5	Tin	E200.7	mg/kg	NL								

				sys_loc_code:	A146		A147		A148		A149	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A146 0-6		A147 0-6		A148 0-6		A149 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/14/2009		07/16/2009		07/16/2009		07/16/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7440-36-0	Antimony	E200.7	mg/kg	2								
7440-38-2	Arsenic	E200.7	mg/kg	0.389	11.1							
7440-47-3	Chromium	E200.7	mg/kg	52.3								
7440-50-8	Copper	E200.7	mg/kg	18.7	13.8							
7440-66-6	Zinc	E200.7	mg/kg	124	66.5							
7440-70-2	Calcium	E200.7	mg/kg	NL	1840		7240		1760		7190	
7439-92-1	Lead	E200.8	mg/kg	30.2			15.9	J	18.3	J	20.2	J
7439-96-5	Manganese	E200.8	mg/kg	183			37.8		51		40.5	
7440-02-0	Nickel	E200.8	mg/kg	15.9	5.1		4.9		2.6		12.4	
7440-22-4	Silver	E200.8	mg/kg	0.73	0.28	UJ	0.28	UJ	0.32	UJ	0.3	UJ
7440-28-0	Thallium	E200.8	mg/kg	100000	0.56	U	0.56	U	0.64	U	0.6	U
7440-36-0	Antimony	E200.8	mg/kg	2	1.1	U	1.1	U	1.3	U	1.3	
7440-38-2	Arsenic	E200.8	mg/kg	0.389			8.7		4.3		12.5	
7440-39-3	Barium	E200.8	mg/kg	130.1	4.3	J	4.2	J	2.7	J	4.1	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.3		0.28	U	0.32	U	0.58	
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.28	U	0.18	J	0.1	J	0.29	J
7440-47-3	Chromium	E200.8	mg/kg	52.3	12.5	J	8.3	J	8.9	J	13.3	J
7440-48-4	Cobalt	E200.8	mg/kg	2.34	1.8	J	1.4		1.4		2.3	
7440-50-8	Copper	E200.8	mg/kg	18.7			14.5		8.1		19.6	
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	23.7	J	14	J	16.8	J	27.5	J
7440-66-6	Zinc	E200.8	mg/kg	124			48.4	J	61.3	J	98.1	J
7782-49-2	Selenium	E200.8	mg/kg	2	0.64		0.7		0.24	J	1.2	
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.1		0.12		0.054		0.075	
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6	2.1	UJ						
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357	4.1	U						
309-00-2	Aldrin	CPEST	ug/kg	2	2.1	U						
319-84-6	Alpha-Bhc	CPEST	ug/kg	3	2.1	U						
319-85-7	Beta-Bhc	CPEST	ug/kg	3	2.1	U						
319-86-8	Delta-Bhc	CPEST	ug/kg	3	2.1	U						
33213-65-9	Endosulfan II	CPEST	ug/kg	14	4.1	U						
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19	0.41	J						
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7	2.1	U						
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7	0.23	J						

				sys_loc_code:	A146		A147		A148		A149	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A146 0-6		A147 0-6		A148 0-6		A149 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/14/2009		07/16/2009		07/16/2009		07/16/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL	4.1	U						
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32	2.1	U						
60-57-1	Dieldrin	CPEST	ug/kg	0.72	4.1	U						
72-20-8	Endrin	CPEST	ug/kg	2.67	4.1	U						
72-43-5	Methoxychlor	CPEST	ug/kg	29.6	21	U						
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22	4.1	U						
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07	4.1	U						
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL	4.1	U						
76-44-8	Heptachlor	CPEST	ug/kg	68	2.1	U						
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1	210	U						
959-98-8	Endosulfan I	CPEST	ug/kg	2.9	2.1	U						
11096-82-5	Aroclor 1260	E608	ug/kg	21.6	41	U						
11097-69-1	Aroclor 1254	E608	ug/kg	23	41	U						
11100-14-4	Aroclor 1268	E608	ug/kg	21.6	41	U						
11104-28-2	Aroclor 1221	E608	ug/kg	21.6	41	U						
11141-16-5	Aroclor 1232	E608	ug/kg	21.6	41	U						
12672-29-6	Aroclor 1248	E608	ug/kg	21.6	41	U						
12674-11-2	Aroclor 1016	E608	ug/kg	21.6	41	U						
37324-23-5	Aroclor 1262	E608	ug/kg	21.6	41	U						
53469-21-9	Aroclor 1242	E608	ug/kg	21.6	41	U						
100-41-4	Ethylbenzene	E624	ug/kg	305	5.3	U						
100-42-5	Styrene	E624	ug/kg	7070	5.3	U						
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL	5.3	U						
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL	5.3	U						
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460	5.3	U						
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7	5.3	U						
107-06-2	1,2-Dichloroethane	E624	ug/kg	432	5.3	U						
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000	11	U						
108-87-2	Methylcyclohexane	E624	ug/kg	NL	5.3	U						
108-88-3	Toluene	E624	ug/kg	1090	5.3	U						
108-90-7	Chlorobenzene	E624	ug/kg	162	5.3	U						
110-82-7	Cyclohexane	E624	ug/kg	117000	5.3	U						
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473	5.3	U						

				sys_loc_code:	A146		A147		A148		A149	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A146 0-6		A147 0-6		A148 0-6		A149 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/14/2009		07/16/2009		07/16/2009		07/16/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
123-91-1	1,4-Dioxane	E624	ug/kg	44100	110	R						
124-48-1	Dibromochloromethane	E624	ug/kg	680	5.3	U						
127-18-4	Tetrachloroethene	E624	ug/kg	190	5.3	U						
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200	5.3	U						
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300	5.3	U						
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300	5.3	U						
179601-23-1	m,p-Xylene	E624	ug/kg	NL	5.3	U						
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842	5.3	U						
56-23-5	Carbon tetrachloride	E624	ug/kg	248	5.3	U						
591-78-6	2-Hexanone	E624	ug/kg	20900	11	U						
67-64-1	Acetone	E624	ug/kg	6130000	11	U						
67-66-3	Chloroform	E624	ug/kg	295	5.3	U						
71-43-2	Benzene	E624	ug/kg	137	5.3	U						
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856	5.3	U						
74-83-9	Bromomethane	E624	ug/kg	732	5.3	U						
74-87-3	Chloromethane	E624	ug/kg	11900	5.3	U						
74-97-5	Bromochloromethane	E624	ug/kg	NL	5.3	U						
75-00-3	Chloroethane	E624	ug/kg	1450000	5.3	U						
75-01-4	Vinyl Chloride	E624	ug/kg	59.7	5.3	U						
75-09-2	Methylene chloride	E624	ug/kg	10700	5.3	U						
75-15-0	Carbon Disulfide	E624	ug/kg	0.851	5.3	U						
75-25-2	Bromoform	E624	ug/kg	1310	5.3	U						
75-27-4	Bromodichloromethane	E624	ug/kg	273	5.3	U						
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310	5.3	U						
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780	5.3	U						
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700	5.3	U						
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400	5.3	U						
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000	5.3	U						
78-87-5	1,2-Dichloropropane	E624	ug/kg	895	5.3	U						
78-93-3	2-Butanone	E624	ug/kg	2780000	11	U						
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570	5.3	U						
79-01-6	Trichloroethene	E624	ug/kg	1600	5.3	U						
79-20-9	Methyl Acetate	E624	ug/kg	7820000	5.3	U						

				sys_loc_code:	A146		A147		A148		A149	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A146 0-6		A147 0-6		A148 0-6		A149 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/14/2009		07/16/2009		07/16/2009		07/16/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202	5.3	U						
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858	5.3	U						
95-47-6	o-Xylene	E624	ug/kg	NL	5.3	U						
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989	5.3	U						
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35	5.3	U						
98-82-8	Isopropylbenzene	E624	ug/kg	86	5.3	U						
100-01-6	4-Nitroaniline	E625	ug/kg	24300	410	U						
100-02-7	4-Nitrophenol	E625	ug/kg	NL	410	U						
100-52-7	Benzaldehyde	E625	ug/kg	782000	58	J						
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230	210	U						
105-60-2	Caprolactam	E625	ug/kg	3060000	210	U						
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29	210	U						
106-44-5	4-Methylphenol	E625	ug/kg	670	210	U						
106-47-8	4-Chloroaniline	E625	ug/kg	2430	210	U						
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570	210	U						
108-95-2	Phenol	E625	ug/kg	420	27	J						
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214	210	U						
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300	210	U						
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182	25	J						
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL	210	U						
118-74-1	Hexachlorobenzene	E625	ug/kg	20	210	U						
120-12-7	Anthracene	E625	ug/kg	46.9	210	U						
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117	210	U						
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6	210	U						
129-00-0	Pyrene	E625	ug/kg	153	8.7	J						
131-11-3	Dimethylphthalate	E625	ug/kg	NL	210	U						
132-64-9	Dibenzofuran	E625	ug/kg	7300	210	U						
1912-24-9	Atrazine	E625	ug/kg	6.62	210	U						
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170	210	U						
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17	210	U						
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148	210	U						
206-44-0	Fluoranthene	E625	ug/kg	113	210	U						
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240	210	U						

				sys_loc_code:	A146		A147		A148		A149	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A146 0-6		A147 0-6		A148 0-6		A149 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/14/2009		07/16/2009		07/16/2009		07/16/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
208-96-8	Acenaphthylene	E625	ug/kg	5.87	210	U						
218-01-9	Chrysene	E625	ug/kg	108	210	U						
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8	210	U						
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200	410	U						
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611	410	U						
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22	210	U						
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8	210	U						
58-90-2	Chlorophenols	E625	ug/kg	284	210	U						
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000	210	U						
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120	210	U						
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4	210	U						
67-72-1	Hexachloroethane	E625	ug/kg	804	210	U						
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL	210	U						
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139	210	U						
78-59-1	Isophorone	E625	ug/kg	511000	210	U						
83-32-9	Acenaphthene	E625	ug/kg	6.71	210	U						
84-66-2	Diethylphthalate	E625	ug/kg	218	210	U						
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160	210	U						
85-01-8	Phenanthrene	E625	ug/kg	86.7	6.9	J						
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800	210	U						
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100	210	U						
86-73-7	Fluorene	E625	ug/kg	19	210	U						
86-74-8	Carbazole	E625	ug/kg	NL	210	U						
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110	210	U						
87-86-5	Pentachlorophenol	E625	ug/kg	2970	410	U						
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650	210	U						
88-74-4	2-Nitroaniline	E625	ug/kg	60600	410	U						
88-75-5	2-Nitrophenol	E625	ug/kg	NL	210	U						
91-20-3	Naphthalene	E625	ug/kg	34.6	210	U						
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2	210	U						
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000	210	U						
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080	210	U						
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220	210	U						

				sys_loc_code:	A146		A147		A148		A149	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A146 0-6		A147 0-6		A148 0-6		A149 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/14/2009		07/16/2009		07/16/2009		07/16/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
95-48-7	2-Methylphenol	E625	ug/kg	306000	210	U						
95-57-8	2-Chlorophenol	E625	ug/kg	344	210	U						
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830	210	U						
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819	210	U						
98-86-2	Acetophenone	E625	ug/kg	782000	30	J						
98-95-3	Nitrobenzene	E625	ug/kg	4790	210	U						
99-09-2	3-Nitroaniline	E625	ug/kg	NL	410	U						

				sys_loc_code:	A15		A150		A151		A152	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A15 0-6		A150 0-6		A151 0-6		A152 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/01/2009		07/16/2009		07/22/2009		07/22/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	C200.7	mg/kg	7740								
7439-89-6	Iron	C200.7	mg/kg	2000								
7439-92-1	Lead	C200.7	mg/kg	30.2								
7439-95-4	Magnesium	C200.7	mg/kg	NL								
7439-96-5	Manganese	C200.7	mg/kg	183								
7440-02-0	Nickel	C200.7	mg/kg	15.9								
7440-09-7	Potassium	C200.7	mg/kg	NL								
7440-22-4	Silver	C200.7	mg/kg	0.73								
7440-23-5	Sodium	C200.7	mg/kg	NL								
7440-28-0	Thallium	C200.7	mg/kg	100000								
7440-31-5	Tin	C200.7	mg/kg	NL								
7440-36-0	Antimony	C200.7	mg/kg	2								
7440-38-2	Arsenic	C200.7	mg/kg	0.389								
7440-39-3	Barium	C200.7	mg/kg	130.1								
7440-41-7	Beryllium	C200.7	mg/kg	15.6								
7440-43-9	Cadmium	C200.7	mg/kg	0.68								
7440-47-3	Chromium	C200.7	mg/kg	52.3								
7440-48-4	Cobalt	C200.7	mg/kg	2.34								
7440-50-8	Copper	C200.7	mg/kg	18.7								
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548								
7440-66-6	Zinc	C200.7	mg/kg	124								
7440-70-2	Calcium	C200.7	mg/kg	NL								
7782-49-2	Selenium	C200.7	mg/kg	2								
7429-90-5	Aluminum	E200.7	mg/kg	7740	1770		967		1380		1590	
7439-89-6	Iron	E200.7	mg/kg	2000	15600		6750		8240		11700	
7439-92-1	Lead	E200.7	mg/kg	30.2	60	J						
7439-95-4	Magnesium	E200.7	mg/kg	NL	881		479	J	649	J	644	J
7439-96-5	Manganese	E200.7	mg/kg	183	141	J						
7440-02-0	Nickel	E200.7	mg/kg	15.9								
7440-09-7	Potassium	E200.7	mg/kg	NL	384	J	549	U	649	U	651	U
7440-22-4	Silver	E200.7	mg/kg	0.73								
7440-23-5	Sodium	E200.7	mg/kg	NL	2940		1850		2130		2200	
7440-31-5	Tin	E200.7	mg/kg	NL								

Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 1 Sediment Samples < 12 inches

				sys_loc_code:	A15		A150		A151		A152	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A15 0-6		A150 0-6		A151 0-6		A152 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/01/2009		07/16/2009		07/22/2009		07/22/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7440-36-0	Antimony	E200.7	mg/kg	2								
7440-38-2	Arsenic	E200.7	mg/kg	0.389	7.2							
7440-47-3	Chromium	E200.7	mg/kg	52.3								
7440-50-8	Copper	E200.7	mg/kg	18.7	21.9							
7440-66-6	Zinc	E200.7	mg/kg	124	54.9							
7440-70-2	Calcium	E200.7	mg/kg	NL	2610		3860		1440		6120	
7439-92-1	Lead	E200.8	mg/kg	30.2			19.3	J	18		17	
7439-96-5	Manganese	E200.8	mg/kg	183			32.7		42.6		48.9	
7440-02-0	Nickel	E200.8	mg/kg	15.9	4.1		2		9		6.4	
7440-22-4	Silver	E200.8	mg/kg	0.73	0.35	UJ	0.32	UJ	0.32	U	0.32	U
7440-28-0	Thallium	E200.8	mg/kg	100000	0.71	U	0.64	U	0.65	U	0.65	U
7440-36-0	Antimony	E200.8	mg/kg	2	1.9		1.3	U	1.3	U	1.2	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389			3.2		9.3	J	9.6	J
7440-39-3	Barium	E200.8	mg/kg	130.1	7.1	UJ	2.9	J	6.5	U	6.5	U
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.42		0.32	U	0.24	J	0.24	J
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.35	U	0.091	J	0.45		0.32	U
7440-47-3	Chromium	E200.8	mg/kg	52.3	18.4		7.1	J	14.2		15.4	
7440-48-4	Cobalt	E200.8	mg/kg	2.34	1.6	J	1.1		1.9		2.1	
7440-50-8	Copper	E200.8	mg/kg	18.7			8.1		19.5		15.1	
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	20.8		11	J	20.8	J	19.4	J
7440-66-6	Zinc	E200.8	mg/kg	124			38.2	J	71		63.5	
7782-49-2	Selenium	E200.8	mg/kg	2	0.71	U	0.16	J	1.1		0.74	
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.11		0.057		0.25		0.2	
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6								
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357								
309-00-2	Aldrin	CPEST	ug/kg	2								
319-84-6	Alpha-Bhc	CPEST	ug/kg	3								
319-85-7	Beta-Bhc	CPEST	ug/kg	3								
319-86-8	Delta-Bhc	CPEST	ug/kg	3								
33213-65-9	Endosulfan II	CPEST	ug/kg	14								
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19								
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7								
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7								

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				sys_loc_code:	A15		A150		A151		A152	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A15 0-6		A150 0-6		A151 0-6		A152 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/01/2009		07/16/2009		07/22/2009		07/22/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL								
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32								
60-57-1	Dieldrin	CPEST	ug/kg	0.72								
72-20-8	Endrin	CPEST	ug/kg	2.67								
72-43-5	Methoxychlor	CPEST	ug/kg	29.6								
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22								
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07								
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL								
76-44-8	Heptachlor	CPEST	ug/kg	68								
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1								
959-98-8	Endosulfan I	CPEST	ug/kg	2.9								
11096-82-5	Aroclor 1260	E608	ug/kg	21.6								
11097-69-1	Aroclor 1254	E608	ug/kg	23								
11100-14-4	Aroclor 1268	E608	ug/kg	21.6								
11104-28-2	Aroclor 1221	E608	ug/kg	21.6								
11141-16-5	Aroclor 1232	E608	ug/kg	21.6								
12672-29-6	Aroclor 1248	E608	ug/kg	21.6								
12674-11-2	Aroclor 1016	E608	ug/kg	21.6								
37324-23-5	Aroclor 1262	E608	ug/kg	21.6								
53469-21-9	Aroclor 1242	E608	ug/kg	21.6								
100-41-4	Ethylbenzene	E624	ug/kg	305								
100-42-5	Styrene	E624	ug/kg	7070								
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL								
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL								
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460								
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7								
107-06-2	1,2-Dichloroethane	E624	ug/kg	432								
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000								
108-87-2	Methylcyclohexane	E624	ug/kg	NL								
108-88-3	Toluene	E624	ug/kg	1090								
108-90-7	Chlorobenzene	E624	ug/kg	162								
110-82-7	Cyclohexane	E624	ug/kg	117000								
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473								

				sys_loc_code:	A15		A150		A151		A152	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A15 0-6		A150 0-6		A151 0-6		A152 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/01/2009		07/16/2009		07/22/2009		07/22/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
123-91-1	1,4-Dioxane	E624	ug/kg	44100								
124-48-1	Dibromochloromethane	E624	ug/kg	680								
127-18-4	Tetrachloroethene	E624	ug/kg	190								
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200								
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300								
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300								
179601-23-1	m,p-Xylene	E624	ug/kg	NL								
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842								
56-23-5	Carbon tetrachloride	E624	ug/kg	248								
591-78-6	2-Hexanone	E624	ug/kg	20900								
67-64-1	Acetone	E624	ug/kg	6130000								
67-66-3	Chloroform	E624	ug/kg	295								
71-43-2	Benzene	E624	ug/kg	137								
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856								
74-83-9	Bromomethane	E624	ug/kg	732								
74-87-3	Chloromethane	E624	ug/kg	11900								
74-97-5	Bromochloromethane	E624	ug/kg	NL								
75-00-3	Chloroethane	E624	ug/kg	1450000								
75-01-4	Vinyl Chloride	E624	ug/kg	59.7								
75-09-2	Methylene chloride	E624	ug/kg	10700								
75-15-0	Carbon Disulfide	E624	ug/kg	0.851								
75-25-2	Bromoform	E624	ug/kg	1310								
75-27-4	Bromodichloromethane	E624	ug/kg	273								
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310								
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780								
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700								
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400								
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000								
78-87-5	1,2-Dichloropropane	E624	ug/kg	895								
78-93-3	2-Butanone	E624	ug/kg	2780000								
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570								
79-01-6	Trichloroethene	E624	ug/kg	1600								
79-20-9	Methyl Acetate	E624	ug/kg	7820000								

				sys_loc_code:	A15		A150		A151		A152	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A15 0-6		A150 0-6		A151 0-6		A152 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/01/2009		07/16/2009		07/22/2009		07/22/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202								
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858								
95-47-6	o-Xylene	E624	ug/kg	NL								
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989								
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35								
98-82-8	Isopropylbenzene	E624	ug/kg	86								
100-01-6	4-Nitroaniline	E625	ug/kg	24300								
100-02-7	4-Nitrophenol	E625	ug/kg	NL								
100-52-7	Benzaldehyde	E625	ug/kg	782000								
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230								
105-60-2	Caprolactam	E625	ug/kg	3060000								
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29								
106-44-5	4-Methylphenol	E625	ug/kg	670								
106-47-8	4-Chloroaniline	E625	ug/kg	2430								
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570								
108-95-2	Phenol	E625	ug/kg	420								
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214								
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300								
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182								
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL								
118-74-1	Hexachlorobenzene	E625	ug/kg	20								
120-12-7	Anthracene	E625	ug/kg	46.9								
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117								
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6								
129-00-0	Pyrene	E625	ug/kg	153								
131-11-3	Dimethylphthalate	E625	ug/kg	NL								
132-64-9	Dibenzofuran	E625	ug/kg	7300								
1912-24-9	Atrazine	E625	ug/kg	6.62								
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170								
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17								
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148								
206-44-0	Fluoranthene	E625	ug/kg	113								
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240								

				sys_loc_code:	A15		A150		A151		A152	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A15 0-6		A150 0-6		A151 0-6		A152 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/01/2009		07/16/2009		07/22/2009		07/22/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
208-96-8	Acenaphthylene	E625	ug/kg	5.87								
218-01-9	Chrysene	E625	ug/kg	108								
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8								
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200								
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611								
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22								
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8								
58-90-2	Chlorophenols	E625	ug/kg	284								
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000								
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120								
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4								
67-72-1	Hexachloroethane	E625	ug/kg	804								
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL								
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139								
78-59-1	Isophorone	E625	ug/kg	511000								
83-32-9	Acenaphthene	E625	ug/kg	6.71								
84-66-2	Diethylphthalate	E625	ug/kg	218								
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160								
85-01-8	Phenanthrene	E625	ug/kg	86.7								
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800								
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100								
86-73-7	Fluorene	E625	ug/kg	19								
86-74-8	Carbazole	E625	ug/kg	NL								
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110								
87-86-5	Pentachlorophenol	E625	ug/kg	2970								
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650								
88-74-4	2-Nitroaniline	E625	ug/kg	60600								
88-75-5	2-Nitrophenol	E625	ug/kg	NL								
91-20-3	Naphthalene	E625	ug/kg	34.6								
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2								
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000								
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080								
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220								

				sys_loc_code:	A15		A150		A151		A152	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A15 0-6		A150 0-6		A151 0-6		A152 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/01/2009		07/16/2009		07/22/2009		07/22/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
95-48-7	2-Methylphenol	E625	ug/kg	306000								
95-57-8	2-Chlorophenol	E625	ug/kg	344								
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830								
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819								
98-86-2	Acetophenone	E625	ug/kg	782000								
98-95-3	Nitrobenzene	E625	ug/kg	4790								
99-09-2	3-Nitroaniline	E625	ug/kg	NL								

				sys_loc_code:	A153		A154		A155		A156	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A153 0-6		A154 0-6		A155 0-6		A156 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/21/2009		07/21/2009		07/21/2009		07/21/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	C200.7	mg/kg	7740								
7439-89-6	Iron	C200.7	mg/kg	2000								
7439-92-1	Lead	C200.7	mg/kg	30.2								
7439-95-4	Magnesium	C200.7	mg/kg	NL								
7439-96-5	Manganese	C200.7	mg/kg	183								
7440-02-0	Nickel	C200.7	mg/kg	15.9								
7440-09-7	Potassium	C200.7	mg/kg	NL								
7440-22-4	Silver	C200.7	mg/kg	0.73								
7440-23-5	Sodium	C200.7	mg/kg	NL								
7440-28-0	Thallium	C200.7	mg/kg	100000								
7440-31-5	Tin	C200.7	mg/kg	NL								
7440-36-0	Antimony	C200.7	mg/kg	2								
7440-38-2	Arsenic	C200.7	mg/kg	0.389								
7440-39-3	Barium	C200.7	mg/kg	130.1								
7440-41-7	Beryllium	C200.7	mg/kg	15.6								
7440-43-9	Cadmium	C200.7	mg/kg	0.68								
7440-47-3	Chromium	C200.7	mg/kg	52.3								
7440-48-4	Cobalt	C200.7	mg/kg	2.34								
7440-50-8	Copper	C200.7	mg/kg	18.7								
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548								
7440-66-6	Zinc	C200.7	mg/kg	124								
7440-70-2	Calcium	C200.7	mg/kg	NL								
7782-49-2	Selenium	C200.7	mg/kg	2								
7429-90-5	Aluminum	E200.7	mg/kg	7740	2170		3380		1710		1870	
7439-89-6	Iron	E200.7	mg/kg	2000	22300	J	21100	J	11200	J	11000	J
7439-92-1	Lead	E200.7	mg/kg	30.2								
7439-95-4	Magnesium	E200.7	mg/kg	NL	706	J	1070	J	603	J	590	J
7439-96-5	Manganese	E200.7	mg/kg	183								
7440-02-0	Nickel	E200.7	mg/kg	15.9								
7440-09-7	Potassium	E200.7	mg/kg	NL	620	U	610	U	631	U	623	U
7440-22-4	Silver	E200.7	mg/kg	0.73								
7440-23-5	Sodium	E200.7	mg/kg	NL	1710		1830		1820		1720	
7440-31-5	Tin	E200.7	mg/kg	NL								

Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 1 Sediment Samples < 12 inches

				sys_loc_code:	A153		A154		A155		A156	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A153 0-6		A154 0-6		A155 0-6		A156 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/21/2009		07/21/2009		07/21/2009		07/21/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7440-36-0	Antimony	E200.7	mg/kg	2								
7440-38-2	Arsenic	E200.7	mg/kg	0.389								
7440-47-3	Chromium	E200.7	mg/kg	52.3								
7440-50-8	Copper	E200.7	mg/kg	18.7								
7440-66-6	Zinc	E200.7	mg/kg	124								
7440-70-2	Calcium	E200.7	mg/kg	NL	3860		8150		2790	J	4960	
7439-92-1	Lead	E200.8	mg/kg	30.2	15		21.6		16.5		15.5	
7439-96-5	Manganese	E200.8	mg/kg	183	51.4		70.7		68.6		90.3	
7440-02-0	Nickel	E200.8	mg/kg	15.9	8.7		10.2		5		13.2	
7440-22-4	Silver	E200.8	mg/kg	0.73	0.31	J	0.3	J	0.31	J	0.31	J
7440-28-0	Thallium	E200.8	mg/kg	100000	0.62	J	0.61	J	0.63	J	0.61	J
7440-36-0	Antimony	E200.8	mg/kg	2	1.2	J	1.2	J	1.3	J	1.3	
7440-38-2	Arsenic	E200.8	mg/kg	0.389	9		10.7		7.7		15.6	
7440-39-3	Barium	E200.8	mg/kg	130.1	6.2	J	6.1	J	6.3	J	6.2	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.29	J	0.67		0.28	J	0.96	
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.31	J	0.3	J	0.31	J	0.31	J
7440-47-3	Chromium	E200.8	mg/kg	52.3	14.8		17.8		11		36.5	
7440-48-4	Cobalt	E200.8	mg/kg	2.34	2.2		2.7		1.7		3.2	
7440-50-8	Copper	E200.8	mg/kg	18.7	14.2		18.6		13.4		16.7	
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	18.9		42.3		18.6		65.2	
7440-66-6	Zinc	E200.8	mg/kg	124	72.8		70.3		58		78.3	
7782-49-2	Selenium	E200.8	mg/kg	2	0.82		1.2		0.72		0.79	
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.17		0.23		0.14		0.18	
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6								
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357								
309-00-2	Aldrin	CPEST	ug/kg	2								
319-84-6	Alpha-Bhc	CPEST	ug/kg	3								
319-85-7	Beta-Bhc	CPEST	ug/kg	3								
319-86-8	Delta-Bhc	CPEST	ug/kg	3								
33213-65-9	Endosulfan II	CPEST	ug/kg	14								
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19								
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7								
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7								

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				sys_loc_code:	A153		A154		A155		A156	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A153 0-6		A154 0-6		A155 0-6		A156 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/21/2009		07/21/2009		07/21/2009		07/21/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL								
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32								
60-57-1	Dieldrin	CPEST	ug/kg	0.72								
72-20-8	Endrin	CPEST	ug/kg	2.67								
72-43-5	Methoxychlor	CPEST	ug/kg	29.6								
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22								
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07								
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL								
76-44-8	Heptachlor	CPEST	ug/kg	68								
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1								
959-98-8	Endosulfan I	CPEST	ug/kg	2.9								
11096-82-5	Aroclor 1260	E608	ug/kg	21.6								
11097-69-1	Aroclor 1254	E608	ug/kg	23								
11100-14-4	Aroclor 1268	E608	ug/kg	21.6								
11104-28-2	Aroclor 1221	E608	ug/kg	21.6								
11141-16-5	Aroclor 1232	E608	ug/kg	21.6								
12672-29-6	Aroclor 1248	E608	ug/kg	21.6								
12674-11-2	Aroclor 1016	E608	ug/kg	21.6								
37324-23-5	Aroclor 1262	E608	ug/kg	21.6								
53469-21-9	Aroclor 1242	E608	ug/kg	21.6								
100-41-4	Ethylbenzene	E624	ug/kg	305								
100-42-5	Styrene	E624	ug/kg	7070								
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL								
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL								
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460								
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7								
107-06-2	1,2-Dichloroethane	E624	ug/kg	432								
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000								
108-87-2	Methylcyclohexane	E624	ug/kg	NL								
108-88-3	Toluene	E624	ug/kg	1090								
108-90-7	Chlorobenzene	E624	ug/kg	162								
110-82-7	Cyclohexane	E624	ug/kg	117000								
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473								

				sys_loc_code:	A153		A154		A155		A156	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A153 0-6		A154 0-6		A155 0-6		A156 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/21/2009		07/21/2009		07/21/2009		07/21/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
123-91-1	1,4-Dioxane	E624	ug/kg	44100								
124-48-1	Dibromochloromethane	E624	ug/kg	680								
127-18-4	Tetrachloroethene	E624	ug/kg	190								
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200								
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300								
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300								
179601-23-1	m,p-Xylene	E624	ug/kg	NL								
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842								
56-23-5	Carbon tetrachloride	E624	ug/kg	248								
591-78-6	2-Hexanone	E624	ug/kg	20900								
67-64-1	Acetone	E624	ug/kg	6130000								
67-66-3	Chloroform	E624	ug/kg	295								
71-43-2	Benzene	E624	ug/kg	137								
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856								
74-83-9	Bromomethane	E624	ug/kg	732								
74-87-3	Chloromethane	E624	ug/kg	11900								
74-97-5	Bromochloromethane	E624	ug/kg	NL								
75-00-3	Chloroethane	E624	ug/kg	1450000								
75-01-4	Vinyl Chloride	E624	ug/kg	59.7								
75-09-2	Methylene chloride	E624	ug/kg	10700								
75-15-0	Carbon Disulfide	E624	ug/kg	0.851								
75-25-2	Bromoform	E624	ug/kg	1310								
75-27-4	Bromodichloromethane	E624	ug/kg	273								
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310								
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780								
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700								
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400								
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000								
78-87-5	1,2-Dichloropropane	E624	ug/kg	895								
78-93-3	2-Butanone	E624	ug/kg	2780000								
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570								
79-01-6	Trichloroethene	E624	ug/kg	1600								
79-20-9	Methyl Acetate	E624	ug/kg	7820000								

				sys_loc_code:	A153		A154		A155		A156	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A153 0-6		A154 0-6		A155 0-6		A156 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/21/2009		07/21/2009		07/21/2009		07/21/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202								
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858								
95-47-6	o-Xylene	E624	ug/kg	NL								
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989								
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35								
98-82-8	Isopropylbenzene	E624	ug/kg	86								
100-01-6	4-Nitroaniline	E625	ug/kg	24300								
100-02-7	4-Nitrophenol	E625	ug/kg	NL								
100-52-7	Benzaldehyde	E625	ug/kg	782000								
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230								
105-60-2	Caprolactam	E625	ug/kg	3060000								
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29								
106-44-5	4-Methylphenol	E625	ug/kg	670								
106-47-8	4-Chloroaniline	E625	ug/kg	2430								
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570								
108-95-2	Phenol	E625	ug/kg	420								
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214								
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300								
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182								
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL								
118-74-1	Hexachlorobenzene	E625	ug/kg	20								
120-12-7	Anthracene	E625	ug/kg	46.9								
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117								
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6								
129-00-0	Pyrene	E625	ug/kg	153								
131-11-3	Dimethylphthalate	E625	ug/kg	NL								
132-64-9	Dibenzofuran	E625	ug/kg	7300								
1912-24-9	Atrazine	E625	ug/kg	6.62								
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170								
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17								
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148								
206-44-0	Fluoranthene	E625	ug/kg	113								
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240								

				sys_loc_code:	A153		A154		A155		A156	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A153 0-6		A154 0-6		A155 0-6		A156 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/21/2009		07/21/2009		07/21/2009		07/21/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
208-96-8	Acenaphthylene	E625	ug/kg	5.87								
218-01-9	Chrysene	E625	ug/kg	108								
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8								
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200								
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611								
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22								
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8								
58-90-2	Chlorophenols	E625	ug/kg	284								
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000								
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120								
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4								
67-72-1	Hexachloroethane	E625	ug/kg	804								
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL								
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139								
78-59-1	Isophorone	E625	ug/kg	511000								
83-32-9	Acenaphthene	E625	ug/kg	6.71								
84-66-2	Diethylphthalate	E625	ug/kg	218								
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160								
85-01-8	Phenanthrene	E625	ug/kg	86.7								
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800								
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100								
86-73-7	Fluorene	E625	ug/kg	19								
86-74-8	Carbazole	E625	ug/kg	NL								
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110								
87-86-5	Pentachlorophenol	E625	ug/kg	2970								
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650								
88-74-4	2-Nitroaniline	E625	ug/kg	60600								
88-75-5	2-Nitrophenol	E625	ug/kg	NL								
91-20-3	Naphthalene	E625	ug/kg	34.6								
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2								
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000								
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080								
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220								

				sys_loc_code:	A153		A154		A155		A156	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A153 0-6		A154 0-6		A155 0-6		A156 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/21/2009		07/21/2009		07/21/2009		07/21/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
95-48-7	2-Methylphenol	E625	ug/kg	306000								
95-57-8	2-Chlorophenol	E625	ug/kg	344								
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830								
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819								
98-86-2	Acetophenone	E625	ug/kg	782000								
98-95-3	Nitrobenzene	E625	ug/kg	4790								
99-09-2	3-Nitroaniline	E625	ug/kg	NL								

				sys_loc_code:	A157		A158		A159		A16	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A157 0-6		A158 0-6		A159 0-6		A16 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/21/2009		07/21/2009		07/21/2009		07/01/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	C200.7	mg/kg	7740								
7439-89-6	Iron	C200.7	mg/kg	2000								
7439-92-1	Lead	C200.7	mg/kg	30.2								
7439-95-4	Magnesium	C200.7	mg/kg	NL								
7439-96-5	Manganese	C200.7	mg/kg	183								
7440-02-0	Nickel	C200.7	mg/kg	15.9								
7440-09-7	Potassium	C200.7	mg/kg	NL								
7440-22-4	Silver	C200.7	mg/kg	0.73								
7440-23-5	Sodium	C200.7	mg/kg	NL								
7440-28-0	Thallium	C200.7	mg/kg	100000								
7440-31-5	Tin	C200.7	mg/kg	NL								
7440-36-0	Antimony	C200.7	mg/kg	2								
7440-38-2	Arsenic	C200.7	mg/kg	0.389								
7440-39-3	Barium	C200.7	mg/kg	130.1								
7440-41-7	Beryllium	C200.7	mg/kg	15.6								
7440-43-9	Cadmium	C200.7	mg/kg	0.68								
7440-47-3	Chromium	C200.7	mg/kg	52.3								
7440-48-4	Cobalt	C200.7	mg/kg	2.34								
7440-50-8	Copper	C200.7	mg/kg	18.7								
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548								
7440-66-6	Zinc	C200.7	mg/kg	124								
7440-70-2	Calcium	C200.7	mg/kg	NL								
7782-49-2	Selenium	C200.7	mg/kg	2								
7429-90-5	Aluminum	E200.7	mg/kg	7740	1210		1880		2500		923	
7439-89-6	Iron	E200.7	mg/kg	2000	4840	J	8040		8640	J	7790	
7439-92-1	Lead	E200.7	mg/kg	30.2							81.5	J
7439-95-4	Magnesium	E200.7	mg/kg	NL	496	J	690		804		590	J
7439-96-5	Manganese	E200.7	mg/kg	183							49.3	J
7440-02-0	Nickel	E200.7	mg/kg	15.9								
7440-09-7	Potassium	E200.7	mg/kg	NL	655	U	637	U	668	U	212	J
7440-22-4	Silver	E200.7	mg/kg	0.73								
7440-23-5	Sodium	E200.7	mg/kg	NL	2140		1840		1820		2180	
7440-31-5	Tin	E200.7	mg/kg	NL								

Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 1 Sediment Samples < 12 inches

				sys_loc_code:	A157		A158		A159		A16	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A157 0-6		A158 0-6		A159 0-6		A16 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/21/2009		07/21/2009		07/21/2009		07/01/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7440-36-0	Antimony	E200.7	mg/kg	2								
7440-38-2	Arsenic	E200.7	mg/kg	0.389							5.8	
7440-47-3	Chromium	E200.7	mg/kg	52.3								
7440-50-8	Copper	E200.7	mg/kg	18.7							13.5	J
7440-66-6	Zinc	E200.7	mg/kg	124							35.3	
7440-70-2	Calcium	E200.7	mg/kg	NL	1560	J	1870		834	J	877	
7439-92-1	Lead	E200.8	mg/kg	30.2	17.2		24.1		28.3			
7439-96-5	Manganese	E200.8	mg/kg	183	34		42.5		28			
7440-02-0	Nickel	E200.8	mg/kg	15.9	1.6		4		3.7	J	1.8	
7440-22-4	Silver	E200.8	mg/kg	0.73	0.33	J	0.32	U	0.33	U	0.34	UJ
7440-28-0	Thallium	E200.8	mg/kg	100000	0.66	U	0.64	U	0.67	U	0.68	U
7440-36-0	Antimony	E200.8	mg/kg	2	1.3	J	1.3	U	1.3	U	2.4	
7440-38-2	Arsenic	E200.8	mg/kg	0.389	2		6.2	J	5.7	J		
7440-39-3	Barium	E200.8	mg/kg	130.1	6.5	J	6.4	U	6.9		6.8	UJ
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.12	J	0.22	J	0.34		0.34	U
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.33	J	0.32	U	0.33	U	0.34	U
7440-47-3	Chromium	E200.8	mg/kg	52.3	5.4		10.4		10.8	J	7	
7440-48-4	Cobalt	E200.8	mg/kg	2.34	1		1.6		1.5		0.96	J
7440-50-8	Copper	E200.8	mg/kg	18.7	4.7		10.9		9.5	J		
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	7.5		13.5	J	16.3	J	11.7	
7440-66-6	Zinc	E200.8	mg/kg	124	26		36.7		38	J		
7782-49-2	Selenium	E200.8	mg/kg	2	0.66	U	0.64	U	0.67	U	0.68	U
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.059		0.23		0.1		0.04	U
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6								
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357								
309-00-2	Aldrin	CPEST	ug/kg	2								
319-84-6	Alpha-Bhc	CPEST	ug/kg	3								
319-85-7	Beta-Bhc	CPEST	ug/kg	3								
319-86-8	Delta-Bhc	CPEST	ug/kg	3								
33213-65-9	Endosulfan II	CPEST	ug/kg	14								
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19								
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7								
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7								

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				sys_loc_code:	A157		A158		A159		A16	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A157 0-6		A158 0-6		A159 0-6		A16 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/21/2009		07/21/2009		07/21/2009		07/01/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL								
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32								
60-57-1	Dieldrin	CPEST	ug/kg	0.72								
72-20-8	Endrin	CPEST	ug/kg	2.67								
72-43-5	Methoxychlor	CPEST	ug/kg	29.6								
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22								
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07								
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL								
76-44-8	Heptachlor	CPEST	ug/kg	68								
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1								
959-98-8	Endosulfan I	CPEST	ug/kg	2.9								
11096-82-5	Aroclor 1260	E608	ug/kg	21.6								
11097-69-1	Aroclor 1254	E608	ug/kg	23								
11100-14-4	Aroclor 1268	E608	ug/kg	21.6								
11104-28-2	Aroclor 1221	E608	ug/kg	21.6								
11141-16-5	Aroclor 1232	E608	ug/kg	21.6								
12672-29-6	Aroclor 1248	E608	ug/kg	21.6								
12674-11-2	Aroclor 1016	E608	ug/kg	21.6								
37324-23-5	Aroclor 1262	E608	ug/kg	21.6								
53469-21-9	Aroclor 1242	E608	ug/kg	21.6								
100-41-4	Ethylbenzene	E624	ug/kg	305								
100-42-5	Styrene	E624	ug/kg	7070								
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL								
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL								
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460								
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7								
107-06-2	1,2-Dichloroethane	E624	ug/kg	432								
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000								
108-87-2	Methylcyclohexane	E624	ug/kg	NL								
108-88-3	Toluene	E624	ug/kg	1090								
108-90-7	Chlorobenzene	E624	ug/kg	162								
110-82-7	Cyclohexane	E624	ug/kg	117000								
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473								

				sys_loc_code:	A157		A158		A159		A16	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A157 0-6		A158 0-6		A159 0-6		A16 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/21/2009		07/21/2009		07/21/2009		07/01/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
123-91-1	1,4-Dioxane	E624	ug/kg	44100								
124-48-1	Dibromochloromethane	E624	ug/kg	680								
127-18-4	Tetrachloroethene	E624	ug/kg	190								
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200								
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300								
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300								
179601-23-1	m,p-Xylene	E624	ug/kg	NL								
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842								
56-23-5	Carbon tetrachloride	E624	ug/kg	248								
591-78-6	2-Hexanone	E624	ug/kg	20900								
67-64-1	Acetone	E624	ug/kg	6130000								
67-66-3	Chloroform	E624	ug/kg	295								
71-43-2	Benzene	E624	ug/kg	137								
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856								
74-83-9	Bromomethane	E624	ug/kg	732								
74-87-3	Chloromethane	E624	ug/kg	11900								
74-97-5	Bromochloromethane	E624	ug/kg	NL								
75-00-3	Chloroethane	E624	ug/kg	1450000								
75-01-4	Vinyl Chloride	E624	ug/kg	59.7								
75-09-2	Methylene chloride	E624	ug/kg	10700								
75-15-0	Carbon Disulfide	E624	ug/kg	0.851								
75-25-2	Bromoform	E624	ug/kg	1310								
75-27-4	Bromodichloromethane	E624	ug/kg	273								
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310								
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780								
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700								
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400								
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000								
78-87-5	1,2-Dichloropropane	E624	ug/kg	895								
78-93-3	2-Butanone	E624	ug/kg	2780000								
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570								
79-01-6	Trichloroethene	E624	ug/kg	1600								
79-20-9	Methyl Acetate	E624	ug/kg	7820000								

				sys_loc_code:	A157		A158		A159		A16	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A157 0-6		A158 0-6		A159 0-6		A16 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/21/2009		07/21/2009		07/21/2009		07/01/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202								
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858								
95-47-6	o-Xylene	E624	ug/kg	NL								
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989								
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35								
98-82-8	Isopropylbenzene	E624	ug/kg	86								
100-01-6	4-Nitroaniline	E625	ug/kg	24300								
100-02-7	4-Nitrophenol	E625	ug/kg	NL								
100-52-7	Benzaldehyde	E625	ug/kg	782000								
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230								
105-60-2	Caprolactam	E625	ug/kg	3060000								
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29								
106-44-5	4-Methylphenol	E625	ug/kg	670								
106-47-8	4-Chloroaniline	E625	ug/kg	2430								
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570								
108-95-2	Phenol	E625	ug/kg	420								
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214								
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300								
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182								
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL								
118-74-1	Hexachlorobenzene	E625	ug/kg	20								
120-12-7	Anthracene	E625	ug/kg	46.9								
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117								
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6								
129-00-0	Pyrene	E625	ug/kg	153								
131-11-3	Dimethylphthalate	E625	ug/kg	NL								
132-64-9	Dibenzofuran	E625	ug/kg	7300								
1912-24-9	Atrazine	E625	ug/kg	6.62								
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170								
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17								
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148								
206-44-0	Fluoranthene	E625	ug/kg	113								
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240								

				sys_loc_code:	A157		A158		A159		A16	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A157 0-6		A158 0-6		A159 0-6		A16 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/21/2009		07/21/2009		07/21/2009		07/01/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
208-96-8	Acenaphthylene	E625	ug/kg	5.87								
218-01-9	Chrysene	E625	ug/kg	108								
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8								
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200								
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611								
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22								
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8								
58-90-2	Chlorophenols	E625	ug/kg	284								
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000								
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120								
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4								
67-72-1	Hexachloroethane	E625	ug/kg	804								
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL								
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139								
78-59-1	Isophorone	E625	ug/kg	511000								
83-32-9	Acenaphthene	E625	ug/kg	6.71								
84-66-2	Diethylphthalate	E625	ug/kg	218								
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160								
85-01-8	Phenanthrene	E625	ug/kg	86.7								
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800								
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100								
86-73-7	Fluorene	E625	ug/kg	19								
86-74-8	Carbazole	E625	ug/kg	NL								
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110								
87-86-5	Pentachlorophenol	E625	ug/kg	2970								
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650								
88-74-4	2-Nitroaniline	E625	ug/kg	60600								
88-75-5	2-Nitrophenol	E625	ug/kg	NL								
91-20-3	Naphthalene	E625	ug/kg	34.6								
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2								
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000								
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080								
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220								

				sys_loc_code:	A157		A158		A159		A16	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A157 0-6		A158 0-6		A159 0-6		A16 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/21/2009		07/21/2009		07/21/2009		07/01/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
95-48-7	2-Methylphenol	E625	ug/kg	306000								
95-57-8	2-Chlorophenol	E625	ug/kg	344								
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830								
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819								
98-86-2	Acetophenone	E625	ug/kg	782000								
98-95-3	Nitrobenzene	E625	ug/kg	4790								
99-09-2	3-Nitroaniline	E625	ug/kg	NL								

				sys_loc_code:	A17		A17		A18		A19	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A17 0-6		A17 0-6		A18 0-6		A19 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/01/2009		07/01/2009		07/01/2009		07/01/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	C200.7	mg/kg	7740								
7439-89-6	Iron	C200.7	mg/kg	2000								
7439-92-1	Lead	C200.7	mg/kg	30.2								
7439-95-4	Magnesium	C200.7	mg/kg	NL								
7439-96-5	Manganese	C200.7	mg/kg	183								
7440-02-0	Nickel	C200.7	mg/kg	15.9								
7440-09-7	Potassium	C200.7	mg/kg	NL								
7440-22-4	Silver	C200.7	mg/kg	0.73								
7440-23-5	Sodium	C200.7	mg/kg	NL								
7440-28-0	Thallium	C200.7	mg/kg	100000								
7440-31-5	Tin	C200.7	mg/kg	NL								
7440-36-0	Antimony	C200.7	mg/kg	2								
7440-38-2	Arsenic	C200.7	mg/kg	0.389								
7440-39-3	Barium	C200.7	mg/kg	130.1								
7440-41-7	Beryllium	C200.7	mg/kg	15.6								
7440-43-9	Cadmium	C200.7	mg/kg	0.68								
7440-47-3	Chromium	C200.7	mg/kg	52.3								
7440-48-4	Cobalt	C200.7	mg/kg	2.34								
7440-50-8	Copper	C200.7	mg/kg	18.7								
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548								
7440-66-6	Zinc	C200.7	mg/kg	124								
7440-70-2	Calcium	C200.7	mg/kg	NL								
7782-49-2	Selenium	C200.7	mg/kg	2								
7429-90-5	Aluminum	E200.7	mg/kg	7740	1360				1260		970	
7439-89-6	Iron	E200.7	mg/kg	2000	22700				12200		14700	
7439-92-1	Lead	E200.7	mg/kg	30.2	64.3	J			65.6	J	2570	J
7439-95-4	Magnesium	E200.7	mg/kg	NL	468	J			525	J	466	J
7439-96-5	Manganese	E200.7	mg/kg	183	46.6	J			38.7	J	26.9	J
7440-02-0	Nickel	E200.7	mg/kg	15.9								
7440-09-7	Potassium	E200.7	mg/kg	NL	184	J			183	J	161	J
7440-22-4	Silver	E200.7	mg/kg	0.73								
7440-23-5	Sodium	E200.7	mg/kg	NL	1510				1370		1810	
7440-31-5	Tin	E200.7	mg/kg	NL								

Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 1 Sediment Samples < 12 inches

				sys_loc_code:	A17		A17		A18		A19	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A17 0-6		A17 0-6		A18 0-6		A19 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/01/2009		07/01/2009		07/01/2009		07/01/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7440-36-0	Antimony	E200.7	mg/kg	2								
7440-38-2	Arsenic	E200.7	mg/kg	0.389	4.5				5		37.1	
7440-47-3	Chromium	E200.7	mg/kg	52.3								
7440-50-8	Copper	E200.7	mg/kg	18.7	9.6	J			10.8	J	171	
7440-66-6	Zinc	E200.7	mg/kg	124	42.5				45.6		59.5	
7440-70-2	Calcium	E200.7	mg/kg	NL	934				773		552	U
7439-92-1	Lead	E200.8	mg/kg	30.2								
7439-96-5	Manganese	E200.8	mg/kg	183								
7440-02-0	Nickel	E200.8	mg/kg	15.9	2.7				2		27.5	
7440-22-4	Silver	E200.8	mg/kg	0.73	0.29	UJ			0.34	UJ	0.42	J
7440-28-0	Thallium	E200.8	mg/kg	100000	0.57	U			0.68	U	0.49	U
7440-36-0	Antimony	E200.8	mg/kg	2	2.4				1.9		789	
7440-38-2	Arsenic	E200.8	mg/kg	0.389								
7440-39-3	Barium	E200.8	mg/kg	130.1	5.7	UJ			6.8	UJ	9.6	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.29				0.34	U	0.25	U
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.31				0.34	U	1.7	
7440-47-3	Chromium	E200.8	mg/kg	52.3	11.5				6.7		11.7	
7440-48-4	Cobalt	E200.8	mg/kg	2.34	0.99	J			0.89	J	3.9	J
7440-50-8	Copper	E200.8	mg/kg	18.7								
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	20.8				14.6		19.4	
7440-66-6	Zinc	E200.8	mg/kg	124								
7782-49-2	Selenium	E200.8	mg/kg	2	0.57	U			0.68	U	0.78	
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.037	U			0.041	U	0.058	
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6			0.19	J				
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357			3.9	U				
309-00-2	Aldrin	CPEST	ug/kg	2			2	U				
319-84-6	Alpha-Bhc	CPEST	ug/kg	3			2	U				
319-85-7	Beta-Bhc	CPEST	ug/kg	3			2	U				
319-86-8	Delta-Bhc	CPEST	ug/kg	3			2	U				
33213-65-9	Endosulfan II	CPEST	ug/kg	14			3.9	U				
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19			3.9	U				
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7			2	U				
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7			2	U				

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				sys_loc_code:	A17		A17		A18		A19	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A17 0-6		A17 0-6		A18 0-6		A19 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/01/2009		07/01/2009		07/01/2009		07/01/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL			3.9	U				
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32			2	U				
60-57-1	Dieldrin	CPEST	ug/kg	0.72			3.9	U				
72-20-8	Endrin	CPEST	ug/kg	2.67			3.9	U				
72-43-5	Methoxychlor	CPEST	ug/kg	29.6			20	U				
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22			3.9	U				
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07			3.9	U				
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL			3.9	U				
76-44-8	Heptachlor	CPEST	ug/kg	68			2	U				
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1			200	U				
959-98-8	Endosulfan I	CPEST	ug/kg	2.9			0.087	J				
11096-82-5	Aroclor 1260	E608	ug/kg	21.6			39	U				
11097-69-1	Aroclor 1254	E608	ug/kg	23			39	U				
11100-14-4	Aroclor 1268	E608	ug/kg	21.6			39	U				
11104-28-2	Aroclor 1221	E608	ug/kg	21.6			39	U				
11141-16-5	Aroclor 1232	E608	ug/kg	21.6			39	U				
12672-29-6	Aroclor 1248	E608	ug/kg	21.6			39	U				
12674-11-2	Aroclor 1016	E608	ug/kg	21.6			39	U				
37324-23-5	Aroclor 1262	E608	ug/kg	21.6			39	U				
53469-21-9	Aroclor 1242	E608	ug/kg	21.6			39	U				
100-41-4	Ethylbenzene	E624	ug/kg	305			5.5	U				
100-42-5	Styrene	E624	ug/kg	7070			5.5	U				
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL			5.5	U				
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL			5.5	U				
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460			5.5	U				
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7			5.5	U				
107-06-2	1,2-Dichloroethane	E624	ug/kg	432			5.5	U				
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000			11	U				
108-87-2	Methylcyclohexane	E624	ug/kg	NL			5.5	U				
108-88-3	Toluene	E624	ug/kg	1090			5.5	U				
108-90-7	Chlorobenzene	E624	ug/kg	162			1.2	J				
110-82-7	Cyclohexane	E624	ug/kg	117000			5.5	U				
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473			5.5	U				

				sys_loc_code:	A17		A17		A18		A19	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A17 0-6		A17 0-6		A18 0-6		A19 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/01/2009		07/01/2009		07/01/2009		07/01/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
123-91-1	1,4-Dioxane	E624	ug/kg	44100			110	R				
124-48-1	Dibromochloromethane	E624	ug/kg	680			5.5	U				
127-18-4	Tetrachloroethene	E624	ug/kg	190			5.5	U				
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200			5.5	U				
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300			5.5	U				
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300			5.5	U				
179601-23-1	m,p-Xylene	E624	ug/kg	NL			5.5	U				
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842			5.5	U				
56-23-5	Carbon tetrachloride	E624	ug/kg	248			5.5	U				
591-78-6	2-Hexanone	E624	ug/kg	20900			11	U				
67-64-1	Acetone	E624	ug/kg	6130000			11	U				
67-66-3	Chloroform	E624	ug/kg	295			5.5	U				
71-43-2	Benzene	E624	ug/kg	137			5.5	U				
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856			5.5	U				
74-83-9	Bromomethane	E624	ug/kg	732			5.5	U				
74-87-3	Chloromethane	E624	ug/kg	11900			5.5	U				
74-97-5	Bromochloromethane	E624	ug/kg	NL			5.5	U				
75-00-3	Chloroethane	E624	ug/kg	1450000			5.5	U				
75-01-4	Vinyl Chloride	E624	ug/kg	59.7			5.5	U				
75-09-2	Methylene chloride	E624	ug/kg	10700			5.5	U				
75-15-0	Carbon Disulfide	E624	ug/kg	0.851			5.5	U				
75-25-2	Bromoform	E624	ug/kg	1310			5.5	U				
75-27-4	Bromodichloromethane	E624	ug/kg	273			5.5	U				
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310			5.5	U				
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780			5.5	U				
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700			5.5	U				
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400			5.5	U				
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000			5.5	U				
78-87-5	1,2-Dichloropropane	E624	ug/kg	895			5.5	U				
78-93-3	2-Butanone	E624	ug/kg	2780000			11	U				
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570			5.5	U				
79-01-6	Trichloroethene	E624	ug/kg	1600			5.5	U				
79-20-9	Methyl Acetate	E624	ug/kg	7820000			5.5	U				

				sys_loc_code:	A17		A17		A18		A19	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A17 0-6		A17 0-6		A18 0-6		A19 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/01/2009		07/01/2009		07/01/2009		07/01/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202			5.5	U				
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858			5.5	U				
95-47-6	o-Xylene	E624	ug/kg	NL			5.5	U				
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989			5.5	U				
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35			5.5	U				
98-82-8	Isopropylbenzene	E624	ug/kg	86			5.5	U				
100-01-6	4-Nitroaniline	E625	ug/kg	24300			390	U				
100-02-7	4-Nitrophenol	E625	ug/kg	NL			390	U				
100-52-7	Benzaldehyde	E625	ug/kg	782000			120	J				
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230			200	U				
105-60-2	Caprolactam	E625	ug/kg	3060000			200	U				
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29			200	U				
106-44-5	4-Methylphenol	E625	ug/kg	670			200	U				
106-47-8	4-Chloroaniline	E625	ug/kg	2430			200	U				
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570			200	U				
108-95-2	Phenol	E625	ug/kg	420			16	J				
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214			200	U				
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300			200	U				
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182			21	J				
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL			200	U				
118-74-1	Hexachlorobenzene	E625	ug/kg	20			200	U				
120-12-7	Anthracene	E625	ug/kg	46.9			200	U				
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117			200	U				
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6			200	U				
129-00-0	Pyrene	E625	ug/kg	153			13	J				
131-11-3	Dimethylphthalate	E625	ug/kg	NL			200	U				
132-64-9	Dibenzofuran	E625	ug/kg	7300			200	U				
1912-24-9	Atrazine	E625	ug/kg	6.62			200	U				
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170			200	U				
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17			200	U				
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148			11	J				
206-44-0	Fluoranthene	E625	ug/kg	113			14	J				
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240			200	U				

				sys_loc_code:	A17		A17		A18		A19	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A17 0-6		A17 0-6		A18 0-6		A19 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/01/2009		07/01/2009		07/01/2009		07/01/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
208-96-8	Acenaphthylene	E625	ug/kg	5.87			200	U				
218-01-9	Chrysene	E625	ug/kg	108			7.5	J				
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8			200	U				
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200			390	U				
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611			390	U				
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22			200	U				
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8			8.6	J				
58-90-2	Chlorophenols	E625	ug/kg	284			200	U				
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000			200	U				
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120			200	U				
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4			200	U				
67-72-1	Hexachloroethane	E625	ug/kg	804			200	U				
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL			200	U				
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139			200	U				
78-59-1	Isophorone	E625	ug/kg	511000			200	U				
83-32-9	Acenaphthene	E625	ug/kg	6.71			200	U				
84-66-2	Diethylphthalate	E625	ug/kg	218			200	U				
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160			200	U				
85-01-8	Phenanthrene	E625	ug/kg	86.7			7.8	J				
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800			200	U				
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100			200	U				
86-73-7	Fluorene	E625	ug/kg	19			200	UJ				
86-74-8	Carbazole	E625	ug/kg	NL			200	U				
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110			200	U				
87-86-5	Pentachlorophenol	E625	ug/kg	2970			390	U				
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650			200	U				
88-74-4	2-Nitroaniline	E625	ug/kg	60600			390	U				
88-75-5	2-Nitrophenol	E625	ug/kg	NL			200	U				
91-20-3	Naphthalene	E625	ug/kg	34.6			200	U				
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2			200	U				
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000			200	U				
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080			200	U				
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220			200	U				

				sys_loc_code:	A17		A17		A18		A19	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A17 0-6		A17 0-6		A18 0-6		A19 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/01/2009		07/01/2009		07/01/2009		07/01/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
95-48-7	2-Methylphenol	E625	ug/kg	306000			200	U				
95-57-8	2-Chlorophenol	E625	ug/kg	344			200	U				
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830			200	U				
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819			200	U				
98-86-2	Acetophenone	E625	ug/kg	782000			33	J				
98-95-3	Nitrobenzene	E625	ug/kg	4790			200	U				
99-09-2	3-Nitroaniline	E625	ug/kg	NL			390	U				

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				sys_loc_code:	A2		A20		A21		A22	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A2 0-6		A20 0-6		A21 0-6		A22 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/01/2009		07/01/2009		07/15/2009		07/01/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	C200.7	mg/kg	7740								
7439-89-6	Iron	C200.7	mg/kg	2000								
7439-92-1	Lead	C200.7	mg/kg	30.2								
7439-95-4	Magnesium	C200.7	mg/kg	NL								
7439-96-5	Manganese	C200.7	mg/kg	183								
7440-02-0	Nickel	C200.7	mg/kg	15.9								
7440-09-7	Potassium	C200.7	mg/kg	NL								
7440-22-4	Silver	C200.7	mg/kg	0.73								
7440-23-5	Sodium	C200.7	mg/kg	NL								
7440-28-0	Thallium	C200.7	mg/kg	100000								
7440-31-5	Tin	C200.7	mg/kg	NL								
7440-36-0	Antimony	C200.7	mg/kg	2								
7440-38-2	Arsenic	C200.7	mg/kg	0.389								
7440-39-3	Barium	C200.7	mg/kg	130.1								
7440-41-7	Beryllium	C200.7	mg/kg	15.6								
7440-43-9	Cadmium	C200.7	mg/kg	0.68								
7440-47-3	Chromium	C200.7	mg/kg	52.3								
7440-48-4	Cobalt	C200.7	mg/kg	2.34								
7440-50-8	Copper	C200.7	mg/kg	18.7								
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548								
7440-66-6	Zinc	C200.7	mg/kg	124								
7440-70-2	Calcium	C200.7	mg/kg	NL								
7782-49-2	Selenium	C200.7	mg/kg	2								
7429-90-5	Aluminum	E200.7	mg/kg	7740	1160	J	1030		961		1060	
7439-89-6	Iron	E200.7	mg/kg	2000	19500	J	13900		13200	J	23100	
7439-92-1	Lead	E200.7	mg/kg	30.2	31.6		1250	J			30.9	R
7439-95-4	Magnesium	E200.7	mg/kg	NL	361	J	469	J	450	J	336	J
7439-96-5	Manganese	E200.7	mg/kg	183	39.2	J	50.1	J			31.3	J
7440-02-0	Nickel	E200.7	mg/kg	15.9								
7440-09-7	Potassium	E200.7	mg/kg	NL	119	J	156	J	594	U	103	J
7440-22-4	Silver	E200.7	mg/kg	0.73								
7440-23-5	Sodium	E200.7	mg/kg	NL	984		1680		1860	J	1130	
7440-31-5	Tin	E200.7	mg/kg	NL								

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				sys_loc_code:	A2		A20		A21		A22	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A2 0-6		A20 0-6		A21 0-6		A22 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/01/2009		07/01/2009		07/15/2009		07/01/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7440-36-0	Antimony	E200.7	mg/kg	2								
7440-38-2	Arsenic	E200.7	mg/kg	0.389	7.2	J	38.2				7.1	
7440-47-3	Chromium	E200.7	mg/kg	52.3								
7440-50-8	Copper	E200.7	mg/kg	18.7	5.2	J	92.9				5.5	J
7440-66-6	Zinc	E200.7	mg/kg	124	41.5		56.7				51.6	
7440-70-2	Calcium	E200.7	mg/kg	NL	446		522	U	2050		561	U
7439-92-1	Lead	E200.8	mg/kg	30.2					30.2	J		
7439-96-5	Manganese	E200.8	mg/kg	183					45.8			
7440-02-0	Nickel	E200.8	mg/kg	15.9	2.8	J	16.4		1.9		0.91	J
7440-22-4	Silver	E200.8	mg/kg	0.73	0.29	UJ	0.3	J	0.29	UJ	0.28	UJ
7440-28-0	Thallium	E200.8	mg/kg	100000	0.57	U	0.48	U	0.58	U	0.55	U
7440-36-0	Antimony	E200.8	mg/kg	2	1.1	U	194		1.2	U	1.1	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389					3.9	J		
7440-39-3	Barium	E200.8	mg/kg	130.1	5.7	UJ	41.1	J	3	J	5.5	UJ
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.29	U	0.24	U	0.29	U	0.28	U
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.29	U	2.2		0.079	J	0.28	U
7440-47-3	Chromium	E200.8	mg/kg	52.3	18		10.2		7.4		5.8	
7440-48-4	Cobalt	E200.8	mg/kg	2.34	1	J	1.9	J	0.91	J	0.55	UJ
7440-50-8	Copper	E200.8	mg/kg	18.7					8.3			
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	19.1		20.1		14.3	J	6.5	
7440-66-6	Zinc	E200.8	mg/kg	124					34.6			
7782-49-2	Selenium	E200.8	mg/kg	2	0.57	U	0.48	U	0.19	J	0.55	U
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.036	U	0.038	U	0.035	U	0.037	U
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6								
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357								
309-00-2	Aldrin	CPEST	ug/kg	2								
319-84-6	Alpha-Bhc	CPEST	ug/kg	3								
319-85-7	Beta-Bhc	CPEST	ug/kg	3								
319-86-8	Delta-Bhc	CPEST	ug/kg	3								
33213-65-9	Endosulfan II	CPEST	ug/kg	14								
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19								
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7								
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7								

				sys_loc_code:	A2		A20		A21		A22	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A2 0-6		A20 0-6		A21 0-6		A22 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/01/2009		07/01/2009		07/15/2009		07/01/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL								
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32								
60-57-1	Dieldrin	CPEST	ug/kg	0.72								
72-20-8	Endrin	CPEST	ug/kg	2.67								
72-43-5	Methoxychlor	CPEST	ug/kg	29.6								
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22								
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07								
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL								
76-44-8	Heptachlor	CPEST	ug/kg	68								
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1								
959-98-8	Endosulfan I	CPEST	ug/kg	2.9								
11096-82-5	Aroclor 1260	E608	ug/kg	21.6								
11097-69-1	Aroclor 1254	E608	ug/kg	23								
11100-14-4	Aroclor 1268	E608	ug/kg	21.6								
11104-28-2	Aroclor 1221	E608	ug/kg	21.6								
11141-16-5	Aroclor 1232	E608	ug/kg	21.6								
12672-29-6	Aroclor 1248	E608	ug/kg	21.6								
12674-11-2	Aroclor 1016	E608	ug/kg	21.6								
37324-23-5	Aroclor 1262	E608	ug/kg	21.6								
53469-21-9	Aroclor 1242	E608	ug/kg	21.6								
100-41-4	Ethylbenzene	E624	ug/kg	305								
100-42-5	Styrene	E624	ug/kg	7070								
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL								
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL								
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460								
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7								
107-06-2	1,2-Dichloroethane	E624	ug/kg	432								
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000								
108-87-2	Methylcyclohexane	E624	ug/kg	NL								
108-88-3	Toluene	E624	ug/kg	1090								
108-90-7	Chlorobenzene	E624	ug/kg	162								
110-82-7	Cyclohexane	E624	ug/kg	117000								
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473								

				sys_loc_code:	A2		A20		A21		A22	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A2 0-6		A20 0-6		A21 0-6		A22 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/01/2009		07/01/2009		07/15/2009		07/01/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
123-91-1	1,4-Dioxane	E624	ug/kg	44100								
124-48-1	Dibromochloromethane	E624	ug/kg	680								
127-18-4	Tetrachloroethene	E624	ug/kg	190								
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200								
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300								
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300								
179601-23-1	m,p-Xylene	E624	ug/kg	NL								
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842								
56-23-5	Carbon tetrachloride	E624	ug/kg	248								
591-78-6	2-Hexanone	E624	ug/kg	20900								
67-64-1	Acetone	E624	ug/kg	6130000								
67-66-3	Chloroform	E624	ug/kg	295								
71-43-2	Benzene	E624	ug/kg	137								
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856								
74-83-9	Bromomethane	E624	ug/kg	732								
74-87-3	Chloromethane	E624	ug/kg	11900								
74-97-5	Bromochloromethane	E624	ug/kg	NL								
75-00-3	Chloroethane	E624	ug/kg	1450000								
75-01-4	Vinyl Chloride	E624	ug/kg	59.7								
75-09-2	Methylene chloride	E624	ug/kg	10700								
75-15-0	Carbon Disulfide	E624	ug/kg	0.851								
75-25-2	Bromoform	E624	ug/kg	1310								
75-27-4	Bromodichloromethane	E624	ug/kg	273								
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310								
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780								
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700								
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400								
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000								
78-87-5	1,2-Dichloropropane	E624	ug/kg	895								
78-93-3	2-Butanone	E624	ug/kg	2780000								
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570								
79-01-6	Trichloroethene	E624	ug/kg	1600								
79-20-9	Methyl Acetate	E624	ug/kg	7820000								

				sys_loc_code:	A2		A20		A21		A22	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A2 0-6		A20 0-6		A21 0-6		A22 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/01/2009		07/01/2009		07/15/2009		07/01/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202								
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858								
95-47-6	o-Xylene	E624	ug/kg	NL								
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989								
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35								
98-82-8	Isopropylbenzene	E624	ug/kg	86								
100-01-6	4-Nitroaniline	E625	ug/kg	24300								
100-02-7	4-Nitrophenol	E625	ug/kg	NL								
100-52-7	Benzaldehyde	E625	ug/kg	782000								
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230								
105-60-2	Caprolactam	E625	ug/kg	3060000								
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29								
106-44-5	4-Methylphenol	E625	ug/kg	670								
106-47-8	4-Chloroaniline	E625	ug/kg	2430								
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570								
108-95-2	Phenol	E625	ug/kg	420								
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214								
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300								
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182								
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL								
118-74-1	Hexachlorobenzene	E625	ug/kg	20								
120-12-7	Anthracene	E625	ug/kg	46.9								
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117								
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6								
129-00-0	Pyrene	E625	ug/kg	153								
131-11-3	Dimethylphthalate	E625	ug/kg	NL								
132-64-9	Dibenzofuran	E625	ug/kg	7300								
1912-24-9	Atrazine	E625	ug/kg	6.62								
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170								
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17								
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148								
206-44-0	Fluoranthene	E625	ug/kg	113								
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240								

				sys_loc_code:	A2		A20		A21		A22	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A2 0-6		A20 0-6		A21 0-6		A22 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/01/2009		07/01/2009		07/15/2009		07/01/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
208-96-8	Acenaphthylene	E625	ug/kg	5.87								
218-01-9	Chrysene	E625	ug/kg	108								
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8								
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200								
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611								
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22								
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8								
58-90-2	Chlorophenols	E625	ug/kg	284								
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000								
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120								
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4								
67-72-1	Hexachloroethane	E625	ug/kg	804								
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL								
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139								
78-59-1	Isophorone	E625	ug/kg	511000								
83-32-9	Acenaphthene	E625	ug/kg	6.71								
84-66-2	Diethylphthalate	E625	ug/kg	218								
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160								
85-01-8	Phenanthrene	E625	ug/kg	86.7								
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800								
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100								
86-73-7	Fluorene	E625	ug/kg	19								
86-74-8	Carbazole	E625	ug/kg	NL								
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110								
87-86-5	Pentachlorophenol	E625	ug/kg	2970								
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650								
88-74-4	2-Nitroaniline	E625	ug/kg	60600								
88-75-5	2-Nitrophenol	E625	ug/kg	NL								
91-20-3	Naphthalene	E625	ug/kg	34.6								
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2								
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000								
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080								
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220								

				sys_loc_code:	A2		A20		A21		A22	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A2 0-6		A20 0-6		A21 0-6		A22 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/01/2009		07/01/2009		07/15/2009		07/01/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
95-48-7	2-Methylphenol	E625	ug/kg	306000								
95-57-8	2-Chlorophenol	E625	ug/kg	344								
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830								
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819								
98-86-2	Acetophenone	E625	ug/kg	782000								
98-95-3	Nitrobenzene	E625	ug/kg	4790								
99-09-2	3-Nitroaniline	E625	ug/kg	NL								

Raritan Bay Slag Superfund Site
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				sys_loc_code:	A22		A23		A24		A25	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A22 0-6		A23 0-6		A24 0-6		A25 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/01/2009		07/20/2009		07/20/2009		07/17/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	C200.7	mg/kg	7740								
7439-89-6	Iron	C200.7	mg/kg	2000								
7439-92-1	Lead	C200.7	mg/kg	30.2								
7439-95-4	Magnesium	C200.7	mg/kg	NL								
7439-96-5	Manganese	C200.7	mg/kg	183								
7440-02-0	Nickel	C200.7	mg/kg	15.9								
7440-09-7	Potassium	C200.7	mg/kg	NL								
7440-22-4	Silver	C200.7	mg/kg	0.73								
7440-23-5	Sodium	C200.7	mg/kg	NL								
7440-28-0	Thallium	C200.7	mg/kg	100000								
7440-31-5	Tin	C200.7	mg/kg	NL								
7440-36-0	Antimony	C200.7	mg/kg	2								
7440-38-2	Arsenic	C200.7	mg/kg	0.389								
7440-39-3	Barium	C200.7	mg/kg	130.1								
7440-41-7	Beryllium	C200.7	mg/kg	15.6								
7440-43-9	Cadmium	C200.7	mg/kg	0.68								
7440-47-3	Chromium	C200.7	mg/kg	52.3								
7440-48-4	Cobalt	C200.7	mg/kg	2.34								
7440-50-8	Copper	C200.7	mg/kg	18.7								
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548								
7440-66-6	Zinc	C200.7	mg/kg	124								
7440-70-2	Calcium	C200.7	mg/kg	NL								
7782-49-2	Selenium	C200.7	mg/kg	2								
7429-90-5	Aluminum	E200.7	mg/kg	7740			2030	J	1130	J	805	
7439-89-6	Iron	E200.7	mg/kg	2000			58800	J	16100	J	9680	
7439-92-1	Lead	E200.7	mg/kg	30.2								
7439-95-4	Magnesium	E200.7	mg/kg	NL			787	J	621	UJ	379	J
7439-96-5	Manganese	E200.7	mg/kg	183								
7440-02-0	Nickel	E200.7	mg/kg	15.9								
7440-09-7	Potassium	E200.7	mg/kg	NL			599	UJ	621	UJ	164	J
7440-22-4	Silver	E200.7	mg/kg	0.73								
7440-23-5	Sodium	E200.7	mg/kg	NL			1320	J	1740	J	1360	J
7440-31-5	Tin	E200.7	mg/kg	NL								

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Area 1 Sediment Samples < 12 inches

				sys_loc_code:	A22		A23		A24		A25	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A22 0-6		A23 0-6		A24 0-6		A25 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/01/2009		07/20/2009		07/20/2009		07/17/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7440-36-0	Antimony	E200.7	mg/kg	2								
7440-38-2	Arsenic	E200.7	mg/kg	0.389								
7440-47-3	Chromium	E200.7	mg/kg	52.3								
7440-50-8	Copper	E200.7	mg/kg	18.7								
7440-66-6	Zinc	E200.7	mg/kg	124								
7440-70-2	Calcium	E200.7	mg/kg	NL			599	UJ	621	UJ	480	J
7439-92-1	Lead	E200.8	mg/kg	30.2			36.9		18.6		24.5	J
7439-96-5	Manganese	E200.8	mg/kg	183			98		29.7		15	J
7440-02-0	Nickel	E200.8	mg/kg	15.9			4.5		1.4		1.2	
7440-22-4	Silver	E200.8	mg/kg	0.73			0.3	U	0.31	U	0.28	UJ
7440-28-0	Thallium	E200.8	mg/kg	100000			0.6	U	0.62	U	0.57	U
7440-36-0	Antimony	E200.8	mg/kg	2			1.5		1.2	U	1.1	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389			15.1		4.5		3	
7440-39-3	Barium	E200.8	mg/kg	130.1			2.1	J	1.8	J	2.1	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6			0.44		0.15	J	0.28	U
7440-43-9	Cadmium	E200.8	mg/kg	0.68			0.3	U	0.31	U	0.28	U
7440-47-3	Chromium	E200.8	mg/kg	52.3			32.6		10.7		5.3	J
7440-48-4	Cobalt	E200.8	mg/kg	2.34			1.8		0.69		0.57	UJ
7440-50-8	Copper	E200.8	mg/kg	18.7			22.3		11		5.9	J
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548			40.1	J	15.8	J	12.5	J
7440-66-6	Zinc	E200.8	mg/kg	124			54.3		22.8		22.7	
7782-49-2	Selenium	E200.8	mg/kg	2			0.33	J	0.62	U	0.57	U
7439-97-6	Mercury	E245.5	mg/kg	0.13			0.036	U	0.037	U	0.039	
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6	2	U						
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357	3.9	U						
309-00-2	Aldrin	CPEST	ug/kg	2	2	U						
319-84-6	Alpha-Bhc	CPEST	ug/kg	3	2	U						
319-85-7	Beta-Bhc	CPEST	ug/kg	3	2	U						
319-86-8	Delta-Bhc	CPEST	ug/kg	3	2	U						
33213-65-9	Endosulfan II	CPEST	ug/kg	14	3.9	U						
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19	3.9	U						
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7	2	U						
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7	2	U						

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				sys_loc_code:	A22		A23		A24		A25	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A22 0-6		A23 0-6		A24 0-6		A25 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/01/2009		07/20/2009		07/20/2009		07/17/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL	3.9	U						
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32	2	U						
60-57-1	Dieldrin	CPEST	ug/kg	0.72	3.9	U						
72-20-8	Endrin	CPEST	ug/kg	2.67	3.9	U						
72-43-5	Methoxychlor	CPEST	ug/kg	29.6	20	U						
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22	3.9	U						
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07	3.9	U						
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL	3.9	U						
76-44-8	Heptachlor	CPEST	ug/kg	68	2	U						
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1	200	U						
959-98-8	Endosulfan I	CPEST	ug/kg	2.9	0.047	J						
11096-82-5	Aroclor 1260	E608	ug/kg	21.6	39	U						
11097-69-1	Aroclor 1254	E608	ug/kg	23	39	U						
11100-14-4	Aroclor 1268	E608	ug/kg	21.6	39	U						
11104-28-2	Aroclor 1221	E608	ug/kg	21.6	39	U						
11141-16-5	Aroclor 1232	E608	ug/kg	21.6	39	U						
12672-29-6	Aroclor 1248	E608	ug/kg	21.6	39	U						
12674-11-2	Aroclor 1016	E608	ug/kg	21.6	39	U						
37324-23-5	Aroclor 1262	E608	ug/kg	21.6	39	U						
53469-21-9	Aroclor 1242	E608	ug/kg	21.6	39	U						
100-41-4	Ethylbenzene	E624	ug/kg	305	5.7	U						
100-42-5	Styrene	E624	ug/kg	7070	5.7	U						
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL	5.7	U						
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL	5.7	U						
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460	5.7	U						
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7	5.7	U						
107-06-2	1,2-Dichloroethane	E624	ug/kg	432	5.7	U						
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000	11	U						
108-87-2	Methylcyclohexane	E624	ug/kg	NL	5.7	U						
108-88-3	Toluene	E624	ug/kg	1090	5.7	U						
108-90-7	Chlorobenzene	E624	ug/kg	162	0.42	J						
110-82-7	Cyclohexane	E624	ug/kg	117000	5.7	U						
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473	5.7	U						

				sys_loc_code:	A22		A23		A24		A25	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A22 0-6		A23 0-6		A24 0-6		A25 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/01/2009		07/20/2009		07/20/2009		07/17/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
123-91-1	1,4-Dioxane	E624	ug/kg	44100	110	R						
124-48-1	Dibromochloromethane	E624	ug/kg	680	5.7	U						
127-18-4	Tetrachloroethene	E624	ug/kg	190	5.7	U						
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200	5.7	U						
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300	5.7	U						
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300	5.7	U						
179601-23-1	m,p-Xylene	E624	ug/kg	NL	5.7	U						
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842	5.7	U						
56-23-5	Carbon tetrachloride	E624	ug/kg	248	5.7	U						
591-78-6	2-Hexanone	E624	ug/kg	20900	11	U						
67-64-1	Acetone	E624	ug/kg	6130000	11	U						
67-66-3	Chloroform	E624	ug/kg	295	5.7	U						
71-43-2	Benzene	E624	ug/kg	137	5.7	U						
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856	5.7	U						
74-83-9	Bromomethane	E624	ug/kg	732	5.7	U						
74-87-3	Chloromethane	E624	ug/kg	11900	5.7	U						
74-97-5	Bromochloromethane	E624	ug/kg	NL	5.7	U						
75-00-3	Chloroethane	E624	ug/kg	1450000	5.7	U						
75-01-4	Vinyl Chloride	E624	ug/kg	59.7	5.7	U						
75-09-2	Methylene chloride	E624	ug/kg	10700	5.7	U						
75-15-0	Carbon Disulfide	E624	ug/kg	0.851	5.7	U						
75-25-2	Bromoform	E624	ug/kg	1310	5.7	U						
75-27-4	Bromodichloromethane	E624	ug/kg	273	5.7	U						
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310	5.7	U						
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780	5.7	U						
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700	5.7	U						
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400	5.7	U						
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000	5.7	U						
78-87-5	1,2-Dichloropropane	E624	ug/kg	895	5.7	U						
78-93-3	2-Butanone	E624	ug/kg	2780000	11	U						
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570	5.7	U						
79-01-6	Trichloroethene	E624	ug/kg	1600	5.7	U						
79-20-9	Methyl Acetate	E624	ug/kg	7820000	5.7	U						

				sys_loc_code:	A22		A23		A24		A25	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A22 0-6		A23 0-6		A24 0-6		A25 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/01/2009		07/20/2009		07/20/2009		07/17/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202	5.7	U						
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858	5.7	U						
95-47-6	o-Xylene	E624	ug/kg	NL	5.7	U						
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989	5.7	U						
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35	5.7	U						
98-82-8	Isopropylbenzene	E624	ug/kg	86	5.7	U						
100-01-6	4-Nitroaniline	E625	ug/kg	24300	390	U						
100-02-7	4-Nitrophenol	E625	ug/kg	NL	390	U						
100-52-7	Benzaldehyde	E625	ug/kg	782000	110	J						
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230	200	U						
105-60-2	Caprolactam	E625	ug/kg	3060000	200	U						
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29	200	U						
106-44-5	4-Methylphenol	E625	ug/kg	670	200	U						
106-47-8	4-Chloroaniline	E625	ug/kg	2430	200	U						
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570	200	U						
108-95-2	Phenol	E625	ug/kg	420	13	J						
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214	200	U						
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300	200	U						
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182	19	J						
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL	200	U						
118-74-1	Hexachlorobenzene	E625	ug/kg	20	200	U						
120-12-7	Anthracene	E625	ug/kg	46.9	200	U						
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117	200	U						
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6	200	U						
129-00-0	Pyrene	E625	ug/kg	153	16	J						
131-11-3	Dimethylphthalate	E625	ug/kg	NL	200	U						
132-64-9	Dibenzofuran	E625	ug/kg	7300	200	U						
1912-24-9	Atrazine	E625	ug/kg	6.62	200	U						
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170	200	U						
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17	200	U						
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148	200	U						
206-44-0	Fluoranthene	E625	ug/kg	113	15	J						
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240	200	U						

				sys_loc_code:	A22		A23		A24		A25	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A22 0-6		A23 0-6		A24 0-6		A25 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/01/2009		07/20/2009		07/20/2009		07/17/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
208-96-8	Acenaphthylene	E625	ug/kg	5.87	200	U						
218-01-9	Chrysene	E625	ug/kg	108	6.6	J						
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8	200	U						
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200	390	U						
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611	390	U						
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22	200	U						
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8	11	J						
58-90-2	Chlorophenols	E625	ug/kg	284	200	U						
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000	200	U						
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120	200	U						
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4	200	U						
67-72-1	Hexachloroethane	E625	ug/kg	804	200	U						
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL	200	U						
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139	200	U						
78-59-1	Isophorone	E625	ug/kg	511000	200	U						
83-32-9	Acenaphthene	E625	ug/kg	6.71	200	U						
84-66-2	Diethylphthalate	E625	ug/kg	218	200	U						
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160	200	U						
85-01-8	Phenanthrene	E625	ug/kg	86.7	200	U						
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800	200	U						
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100	200	U						
86-73-7	Fluorene	E625	ug/kg	19	200	UJ						
86-74-8	Carbazole	E625	ug/kg	NL	200	U						
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110	200	U						
87-86-5	Pentachlorophenol	E625	ug/kg	2970	390	U						
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650	200	U						
88-74-4	2-Nitroaniline	E625	ug/kg	60600	390	U						
88-75-5	2-Nitrophenol	E625	ug/kg	NL	200	U						
91-20-3	Naphthalene	E625	ug/kg	34.6	7.9	J						
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2	200	U						
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000	200	U						
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080	200	U						
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220	200	U						

				sys_loc_code:	A22		A23		A24		A25	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A22 0-6		A23 0-6		A24 0-6		A25 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/01/2009		07/20/2009		07/20/2009		07/17/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
95-48-7	2-Methylphenol	E625	ug/kg	306000	200	U						
95-57-8	2-Chlorophenol	E625	ug/kg	344	200	U						
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830	200	U						
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819	200	U						
98-86-2	Acetophenone	E625	ug/kg	782000	33	J						
98-95-3	Nitrobenzene	E625	ug/kg	4790	200	U						
99-09-2	3-Nitroaniline	E625	ug/kg	NL	390	U						

				sys_loc_code:	A26		A27		A28		A29	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A26 0-6		A27 0-6		A28 0-6		A29 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/15/2009		07/15/2009		07/15/2009		07/15/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	C200.7	mg/kg	7740								
7439-89-6	Iron	C200.7	mg/kg	2000								
7439-92-1	Lead	C200.7	mg/kg	30.2								
7439-95-4	Magnesium	C200.7	mg/kg	NL								
7439-96-5	Manganese	C200.7	mg/kg	183								
7440-02-0	Nickel	C200.7	mg/kg	15.9								
7440-09-7	Potassium	C200.7	mg/kg	NL								
7440-22-4	Silver	C200.7	mg/kg	0.73								
7440-23-5	Sodium	C200.7	mg/kg	NL								
7440-28-0	Thallium	C200.7	mg/kg	100000								
7440-31-5	Tin	C200.7	mg/kg	NL								
7440-36-0	Antimony	C200.7	mg/kg	2								
7440-38-2	Arsenic	C200.7	mg/kg	0.389								
7440-39-3	Barium	C200.7	mg/kg	130.1								
7440-41-7	Beryllium	C200.7	mg/kg	15.6								
7440-43-9	Cadmium	C200.7	mg/kg	0.68								
7440-47-3	Chromium	C200.7	mg/kg	52.3								
7440-48-4	Cobalt	C200.7	mg/kg	2.34								
7440-50-8	Copper	C200.7	mg/kg	18.7								
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548								
7440-66-6	Zinc	C200.7	mg/kg	124								
7440-70-2	Calcium	C200.7	mg/kg	NL								
7782-49-2	Selenium	C200.7	mg/kg	2								
7429-90-5	Aluminum	E200.7	mg/kg	7740	2900		2730		4130		4360	
7439-89-6	Iron	E200.7	mg/kg	2000	54300		33600	J	70800	J	60100	J
7439-92-1	Lead	E200.7	mg/kg	30.2								
7439-95-4	Magnesium	E200.7	mg/kg	NL	605		521		1000		1460	
7439-96-5	Manganese	E200.7	mg/kg	183								
7440-02-0	Nickel	E200.7	mg/kg	15.9								
7440-09-7	Potassium	E200.7	mg/kg	NL	321	J	227	J	533	U	617	
7440-22-4	Silver	E200.7	mg/kg	0.73								
7440-23-5	Sodium	E200.7	mg/kg	NL	1910		1700	J	1950	J	2120	J
7440-31-5	Tin	E200.7	mg/kg	NL								

				sys_loc_code:	A26		A27		A28		A29	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A26 0-6		A27 0-6		A28 0-6		A29 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/15/2009		07/15/2009		07/15/2009		07/15/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7440-36-0	Antimony	E200.7	mg/kg	2								
7440-38-2	Arsenic	E200.7	mg/kg	0.389								
7440-47-3	Chromium	E200.7	mg/kg	52.3								
7440-50-8	Copper	E200.7	mg/kg	18.7								
7440-66-6	Zinc	E200.7	mg/kg	124								
7440-70-2	Calcium	E200.7	mg/kg	NL	425	J	362	J	1060		963	
7439-92-1	Lead	E200.8	mg/kg	30.2	27	J	31.6	J	39.1	J	17.4	J
7439-96-5	Manganese	E200.8	mg/kg	183	94.4	J	57.2		167		157	
7440-02-0	Nickel	E200.8	mg/kg	15.9	5	J	4.3		8.3		5.3	
7440-22-4	Silver	E200.8	mg/kg	0.73	0.29	UJ	0.3	UJ	0.28	UJ	0.29	UJ
7440-28-0	Thallium	E200.8	mg/kg	100000	0.58	U	0.6	UJ	0.57	U	0.58	U
7440-36-0	Antimony	E200.8	mg/kg	2	2.2		1.2	U	1.6		1.2	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389	18.9		9	J	13.8	J	10	J
7440-39-3	Barium	E200.8	mg/kg	130.1	3.4	J	4.3	J	3.4	J	6.9	
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.7		0.48		1.1		0.48	
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.42		0.54		0.35		0.11	J
7440-47-3	Chromium	E200.8	mg/kg	52.3	38	J	20.5		49.9		19.8	
7440-48-4	Cobalt	E200.8	mg/kg	2.34	2.7	J	2.1	J	3.7	J	2.9	J
7440-50-8	Copper	E200.8	mg/kg	18.7	9.6		10.5		11.8		7.2	
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	91.4	J	54.4	J	76.2	J	41.3	J
7440-66-6	Zinc	E200.8	mg/kg	124	52		40.6		95.9		31.2	
7782-49-2	Selenium	E200.8	mg/kg	2	0.3	J	0.16	J	0.57	U	0.58	U
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.036	U	0.042		0.04		0.041	
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6								
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357								
309-00-2	Aldrin	CPEST	ug/kg	2								
319-84-6	Alpha-Bhc	CPEST	ug/kg	3								
319-85-7	Beta-Bhc	CPEST	ug/kg	3								
319-86-8	Delta-Bhc	CPEST	ug/kg	3								
33213-65-9	Endosulfan II	CPEST	ug/kg	14								
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19								
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7								
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7								

				sys_loc_code:	A26		A27		A28		A29	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A26 0-6		A27 0-6		A28 0-6		A29 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/15/2009		07/15/2009		07/15/2009		07/15/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL								
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32								
60-57-1	Dieldrin	CPEST	ug/kg	0.72								
72-20-8	Endrin	CPEST	ug/kg	2.67								
72-43-5	Methoxychlor	CPEST	ug/kg	29.6								
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22								
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07								
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL								
76-44-8	Heptachlor	CPEST	ug/kg	68								
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1								
959-98-8	Endosulfan I	CPEST	ug/kg	2.9								
11096-82-5	Aroclor 1260	E608	ug/kg	21.6								
11097-69-1	Aroclor 1254	E608	ug/kg	23								
11100-14-4	Aroclor 1268	E608	ug/kg	21.6								
11104-28-2	Aroclor 1221	E608	ug/kg	21.6								
11141-16-5	Aroclor 1232	E608	ug/kg	21.6								
12672-29-6	Aroclor 1248	E608	ug/kg	21.6								
12674-11-2	Aroclor 1016	E608	ug/kg	21.6								
37324-23-5	Aroclor 1262	E608	ug/kg	21.6								
53469-21-9	Aroclor 1242	E608	ug/kg	21.6								
100-41-4	Ethylbenzene	E624	ug/kg	305								
100-42-5	Styrene	E624	ug/kg	7070								
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL								
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL								
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460								
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7								
107-06-2	1,2-Dichloroethane	E624	ug/kg	432								
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000								
108-87-2	Methylcyclohexane	E624	ug/kg	NL								
108-88-3	Toluene	E624	ug/kg	1090								
108-90-7	Chlorobenzene	E624	ug/kg	162								
110-82-7	Cyclohexane	E624	ug/kg	117000								
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473								

				sys_loc_code:	A26		A27		A28		A29	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A26 0-6		A27 0-6		A28 0-6		A29 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/15/2009		07/15/2009		07/15/2009		07/15/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
123-91-1	1,4-Dioxane	E624	ug/kg	44100								
124-48-1	Dibromochloromethane	E624	ug/kg	680								
127-18-4	Tetrachloroethene	E624	ug/kg	190								
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200								
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300								
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300								
179601-23-1	m,p-Xylene	E624	ug/kg	NL								
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842								
56-23-5	Carbon tetrachloride	E624	ug/kg	248								
591-78-6	2-Hexanone	E624	ug/kg	20900								
67-64-1	Acetone	E624	ug/kg	6130000								
67-66-3	Chloroform	E624	ug/kg	295								
71-43-2	Benzene	E624	ug/kg	137								
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856								
74-83-9	Bromomethane	E624	ug/kg	732								
74-87-3	Chloromethane	E624	ug/kg	11900								
74-97-5	Bromochloromethane	E624	ug/kg	NL								
75-00-3	Chloroethane	E624	ug/kg	1450000								
75-01-4	Vinyl Chloride	E624	ug/kg	59.7								
75-09-2	Methylene chloride	E624	ug/kg	10700								
75-15-0	Carbon Disulfide	E624	ug/kg	0.851								
75-25-2	Bromoform	E624	ug/kg	1310								
75-27-4	Bromodichloromethane	E624	ug/kg	273								
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310								
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780								
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700								
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400								
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000								
78-87-5	1,2-Dichloropropane	E624	ug/kg	895								
78-93-3	2-Butanone	E624	ug/kg	2780000								
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570								
79-01-6	Trichloroethene	E624	ug/kg	1600								
79-20-9	Methyl Acetate	E624	ug/kg	7820000								

				sys_loc_code:	A26		A27		A28		A29	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A26 0-6		A27 0-6		A28 0-6		A29 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/15/2009		07/15/2009		07/15/2009		07/15/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202								
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858								
95-47-6	o-Xylene	E624	ug/kg	NL								
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989								
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35								
98-82-8	Isopropylbenzene	E624	ug/kg	86								
100-01-6	4-Nitroaniline	E625	ug/kg	24300								
100-02-7	4-Nitrophenol	E625	ug/kg	NL								
100-52-7	Benzaldehyde	E625	ug/kg	782000								
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230								
105-60-2	Caprolactam	E625	ug/kg	3060000								
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29								
106-44-5	4-Methylphenol	E625	ug/kg	670								
106-47-8	4-Chloroaniline	E625	ug/kg	2430								
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570								
108-95-2	Phenol	E625	ug/kg	420								
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214								
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300								
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182								
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL								
118-74-1	Hexachlorobenzene	E625	ug/kg	20								
120-12-7	Anthracene	E625	ug/kg	46.9								
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117								
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6								
129-00-0	Pyrene	E625	ug/kg	153								
131-11-3	Dimethylphthalate	E625	ug/kg	NL								
132-64-9	Dibenzofuran	E625	ug/kg	7300								
1912-24-9	Atrazine	E625	ug/kg	6.62								
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170								
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17								
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148								
206-44-0	Fluoranthene	E625	ug/kg	113								
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240								

				sys_loc_code:	A26		A27		A28		A29	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A26 0-6		A27 0-6		A28 0-6		A29 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/15/2009		07/15/2009		07/15/2009		07/15/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
208-96-8	Acenaphthylene	E625	ug/kg	5.87								
218-01-9	Chrysene	E625	ug/kg	108								
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8								
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200								
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611								
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22								
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8								
58-90-2	Chlorophenols	E625	ug/kg	284								
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000								
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120								
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4								
67-72-1	Hexachloroethane	E625	ug/kg	804								
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL								
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139								
78-59-1	Isophorone	E625	ug/kg	511000								
83-32-9	Acenaphthene	E625	ug/kg	6.71								
84-66-2	Diethylphthalate	E625	ug/kg	218								
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160								
85-01-8	Phenanthrene	E625	ug/kg	86.7								
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800								
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100								
86-73-7	Fluorene	E625	ug/kg	19								
86-74-8	Carbazole	E625	ug/kg	NL								
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110								
87-86-5	Pentachlorophenol	E625	ug/kg	2970								
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650								
88-74-4	2-Nitroaniline	E625	ug/kg	60600								
88-75-5	2-Nitrophenol	E625	ug/kg	NL								
91-20-3	Naphthalene	E625	ug/kg	34.6								
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2								
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000								
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080								
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220								

				sys_loc_code:	A26		A27		A28		A29	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A26 0-6		A27 0-6		A28 0-6		A29 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/15/2009		07/15/2009		07/15/2009		07/15/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
95-48-7	2-Methylphenol	E625	ug/kg	306000								
95-57-8	2-Chlorophenol	E625	ug/kg	344								
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830								
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819								
98-86-2	Acetophenone	E625	ug/kg	782000								
98-95-3	Nitrobenzene	E625	ug/kg	4790								
99-09-2	3-Nitroaniline	E625	ug/kg	NL								

				sys_loc_code:	A3		A30		A31		A32	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A3 0-6		A30 0-6		A31 0-6		A32 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/01/2009		07/15/2009		07/15/2009		07/01/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	C200.7	mg/kg	7740								
7439-89-6	Iron	C200.7	mg/kg	2000								
7439-92-1	Lead	C200.7	mg/kg	30.2								
7439-95-4	Magnesium	C200.7	mg/kg	NL								
7439-96-5	Manganese	C200.7	mg/kg	183								
7440-02-0	Nickel	C200.7	mg/kg	15.9								
7440-09-7	Potassium	C200.7	mg/kg	NL								
7440-22-4	Silver	C200.7	mg/kg	0.73								
7440-23-5	Sodium	C200.7	mg/kg	NL								
7440-28-0	Thallium	C200.7	mg/kg	100000								
7440-31-5	Tin	C200.7	mg/kg	NL								
7440-36-0	Antimony	C200.7	mg/kg	2								
7440-38-2	Arsenic	C200.7	mg/kg	0.389								
7440-39-3	Barium	C200.7	mg/kg	130.1								
7440-41-7	Beryllium	C200.7	mg/kg	15.6								
7440-43-9	Cadmium	C200.7	mg/kg	0.68								
7440-47-3	Chromium	C200.7	mg/kg	52.3								
7440-48-4	Cobalt	C200.7	mg/kg	2.34								
7440-50-8	Copper	C200.7	mg/kg	18.7								
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548								
7440-66-6	Zinc	C200.7	mg/kg	124								
7440-70-2	Calcium	C200.7	mg/kg	NL								
7782-49-2	Selenium	C200.7	mg/kg	2								
7429-90-5	Aluminum	E200.7	mg/kg	7740	3280		1090		3180		2890	
7439-89-6	Iron	E200.7	mg/kg	2000	47300		12000		49100		51600	
7439-92-1	Lead	E200.7	mg/kg	30.2	109	J					22.2	R
7439-95-4	Magnesium	E200.7	mg/kg	NL	884		598		730		629	
7439-96-5	Manganese	E200.7	mg/kg	183	102	J					68.6	J
7440-02-0	Nickel	E200.7	mg/kg	15.9								
7440-09-7	Potassium	E200.7	mg/kg	NL	411	J	518		322		229	J
7440-22-4	Silver	E200.7	mg/kg	0.73								
7440-23-5	Sodium	E200.7	mg/kg	NL	1450		1920		1860		1570	
7440-31-5	Tin	E200.7	mg/kg	NL								

				sys_loc_code:	A3		A30		A31		A32	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A3 0-6		A30 0-6		A31 0-6		A32 0-6	
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				sample_date:	07/01/2009		07/15/2009		07/15/2009		07/01/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7440-36-0	Antimony	E200.7	mg/kg	2								
7440-38-2	Arsenic	E200.7	mg/kg	0.389	13.9						9.7	
7440-47-3	Chromium	E200.7	mg/kg	52.3								
7440-50-8	Copper	E200.7	mg/kg	18.7	28.1						9	J
7440-66-6	Zinc	E200.7	mg/kg	124	105						37.4	
7440-70-2	Calcium	E200.7	mg/kg	NL	815		688		3640		556	U
7439-92-1	Lead	E200.8	mg/kg	30.2			50.8	J	37.1	J		
7439-96-5	Manganese	E200.8	mg/kg	183			59.3	J	159	J		
7440-02-0	Nickel	E200.8	mg/kg	15.9	10.1		3.2	J	6.7	J	1.9	J
7440-22-4	Silver	E200.8	mg/kg	0.73	0.21	UJ	0.31	UJ	0.3	UJ	0.28	UJ
7440-28-0	Thallium	E200.8	mg/kg	100000	0.42	U	0.62	U	0.59	U	0.56	U
7440-36-0	Antimony	E200.8	mg/kg	2	8.2		1.9		1.8		1.1	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389			4.4	J	10.4	J		
7440-39-3	Barium	E200.8	mg/kg	130.1	4.2	UJ	6.2	UJ	5.9	UJ	5.6	UJ
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.7		0.31	U	0.87		0.3	
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.36		0.67	J	0.3	UJ	0.28	U
7440-47-3	Chromium	E200.8	mg/kg	52.3	22.9		10.9	J	32.7	J	8.3	
7440-48-4	Cobalt	E200.8	mg/kg	2.34	2.6	J	1.5	J	3.3	J	0.68	J
7440-50-8	Copper	E200.8	mg/kg	18.7			9	J	11.7	J		
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	32.8		25.2		70.3		17.6	
7440-66-6	Zinc	E200.8	mg/kg	124			39.9	J	76	J		
7782-49-2	Selenium	E200.8	mg/kg	2	0.55		0.2	J	0.27	J	0.56	U
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.067		0.039	U	0.036	U	0.037	U
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6								
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357								
309-00-2	Aldrin	CPEST	ug/kg	2								
319-84-6	Alpha-Bhc	CPEST	ug/kg	3								
319-85-7	Beta-Bhc	CPEST	ug/kg	3								
319-86-8	Delta-Bhc	CPEST	ug/kg	3								
33213-65-9	Endosulfan II	CPEST	ug/kg	14								
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19								
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7								
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7								

				sys_loc_code:	A3		A30		A31		A32	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A3 0-6		A30 0-6		A31 0-6		A32 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/01/2009		07/15/2009		07/15/2009		07/01/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL								
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32								
60-57-1	Dieldrin	CPEST	ug/kg	0.72								
72-20-8	Endrin	CPEST	ug/kg	2.67								
72-43-5	Methoxychlor	CPEST	ug/kg	29.6								
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22								
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07								
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL								
76-44-8	Heptachlor	CPEST	ug/kg	68								
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1								
959-98-8	Endosulfan I	CPEST	ug/kg	2.9								
11096-82-5	Aroclor 1260	E608	ug/kg	21.6								
11097-69-1	Aroclor 1254	E608	ug/kg	23								
11100-14-4	Aroclor 1268	E608	ug/kg	21.6								
11104-28-2	Aroclor 1221	E608	ug/kg	21.6								
11141-16-5	Aroclor 1232	E608	ug/kg	21.6								
12672-29-6	Aroclor 1248	E608	ug/kg	21.6								
12674-11-2	Aroclor 1016	E608	ug/kg	21.6								
37324-23-5	Aroclor 1262	E608	ug/kg	21.6								
53469-21-9	Aroclor 1242	E608	ug/kg	21.6								
100-41-4	Ethylbenzene	E624	ug/kg	305								
100-42-5	Styrene	E624	ug/kg	7070								
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL								
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL								
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460								
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7								
107-06-2	1,2-Dichloroethane	E624	ug/kg	432								
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000								
108-87-2	Methylcyclohexane	E624	ug/kg	NL								
108-88-3	Toluene	E624	ug/kg	1090								
108-90-7	Chlorobenzene	E624	ug/kg	162								
110-82-7	Cyclohexane	E624	ug/kg	117000								
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473								

				sys_loc_code:	A3		A30		A31		A32	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A3 0-6		A30 0-6		A31 0-6		A32 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/01/2009		07/15/2009		07/15/2009		07/01/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
123-91-1	1,4-Dioxane	E624	ug/kg	44100								
124-48-1	Dibromochloromethane	E624	ug/kg	680								
127-18-4	Tetrachloroethene	E624	ug/kg	190								
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200								
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300								
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300								
179601-23-1	m,p-Xylene	E624	ug/kg	NL								
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842								
56-23-5	Carbon tetrachloride	E624	ug/kg	248								
591-78-6	2-Hexanone	E624	ug/kg	20900								
67-64-1	Acetone	E624	ug/kg	6130000								
67-66-3	Chloroform	E624	ug/kg	295								
71-43-2	Benzene	E624	ug/kg	137								
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856								
74-83-9	Bromomethane	E624	ug/kg	732								
74-87-3	Chloromethane	E624	ug/kg	11900								
74-97-5	Bromochloromethane	E624	ug/kg	NL								
75-00-3	Chloroethane	E624	ug/kg	1450000								
75-01-4	Vinyl Chloride	E624	ug/kg	59.7								
75-09-2	Methylene chloride	E624	ug/kg	10700								
75-15-0	Carbon Disulfide	E624	ug/kg	0.851								
75-25-2	Bromoform	E624	ug/kg	1310								
75-27-4	Bromodichloromethane	E624	ug/kg	273								
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310								
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780								
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700								
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400								
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000								
78-87-5	1,2-Dichloropropane	E624	ug/kg	895								
78-93-3	2-Butanone	E624	ug/kg	2780000								
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570								
79-01-6	Trichloroethene	E624	ug/kg	1600								
79-20-9	Methyl Acetate	E624	ug/kg	7820000								

				sys_loc_code:	A3		A30		A31		A32	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A3 0-6		A30 0-6		A31 0-6		A32 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/01/2009		07/15/2009		07/15/2009		07/01/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202								
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858								
95-47-6	o-Xylene	E624	ug/kg	NL								
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989								
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35								
98-82-8	Isopropylbenzene	E624	ug/kg	86								
100-01-6	4-Nitroaniline	E625	ug/kg	24300								
100-02-7	4-Nitrophenol	E625	ug/kg	NL								
100-52-7	Benzaldehyde	E625	ug/kg	782000								
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230								
105-60-2	Caprolactam	E625	ug/kg	3060000								
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29								
106-44-5	4-Methylphenol	E625	ug/kg	670								
106-47-8	4-Chloroaniline	E625	ug/kg	2430								
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570								
108-95-2	Phenol	E625	ug/kg	420								
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214								
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300								
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182								
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL								
118-74-1	Hexachlorobenzene	E625	ug/kg	20								
120-12-7	Anthracene	E625	ug/kg	46.9								
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117								
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6								
129-00-0	Pyrene	E625	ug/kg	153								
131-11-3	Dimethylphthalate	E625	ug/kg	NL								
132-64-9	Dibenzofuran	E625	ug/kg	7300								
1912-24-9	Atrazine	E625	ug/kg	6.62								
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170								
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17								
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148								
206-44-0	Fluoranthene	E625	ug/kg	113								
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240								

				sys_loc_code:	A3		A30		A31		A32	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A3 0-6		A30 0-6		A31 0-6		A32 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/01/2009		07/15/2009		07/15/2009		07/01/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
208-96-8	Acenaphthylene	E625	ug/kg	5.87								
218-01-9	Chrysene	E625	ug/kg	108								
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8								
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200								
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611								
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22								
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8								
58-90-2	Chlorophenols	E625	ug/kg	284								
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000								
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120								
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4								
67-72-1	Hexachloroethane	E625	ug/kg	804								
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL								
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139								
78-59-1	Isophorone	E625	ug/kg	511000								
83-32-9	Acenaphthene	E625	ug/kg	6.71								
84-66-2	Diethylphthalate	E625	ug/kg	218								
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160								
85-01-8	Phenanthrene	E625	ug/kg	86.7								
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800								
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100								
86-73-7	Fluorene	E625	ug/kg	19								
86-74-8	Carbazole	E625	ug/kg	NL								
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110								
87-86-5	Pentachlorophenol	E625	ug/kg	2970								
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650								
88-74-4	2-Nitroaniline	E625	ug/kg	60600								
88-75-5	2-Nitrophenol	E625	ug/kg	NL								
91-20-3	Naphthalene	E625	ug/kg	34.6								
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2								
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000								
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080								
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220								

				sys_loc_code:	A3		A30		A31		A32	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A3 0-6		A30 0-6		A31 0-6		A32 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/01/2009		07/15/2009		07/15/2009		07/01/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
95-48-7	2-Methylphenol	E625	ug/kg	306000								
95-57-8	2-Chlorophenol	E625	ug/kg	344								
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830								
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819								
98-86-2	Acetophenone	E625	ug/kg	782000								
98-95-3	Nitrobenzene	E625	ug/kg	4790								
99-09-2	3-Nitroaniline	E625	ug/kg	NL								

				sys_loc_code:	A32		A33		A34		A35	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A32 0-6		A33 0-6		A34 0-6		A35 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/01/2009		07/01/2009		07/01/2009		07/01/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	C200.7	mg/kg	7740								
7439-89-6	Iron	C200.7	mg/kg	2000								
7439-92-1	Lead	C200.7	mg/kg	30.2								
7439-95-4	Magnesium	C200.7	mg/kg	NL								
7439-96-5	Manganese	C200.7	mg/kg	183								
7440-02-0	Nickel	C200.7	mg/kg	15.9								
7440-09-7	Potassium	C200.7	mg/kg	NL								
7440-22-4	Silver	C200.7	mg/kg	0.73								
7440-23-5	Sodium	C200.7	mg/kg	NL								
7440-28-0	Thallium	C200.7	mg/kg	100000								
7440-31-5	Tin	C200.7	mg/kg	NL								
7440-36-0	Antimony	C200.7	mg/kg	2								
7440-38-2	Arsenic	C200.7	mg/kg	0.389								
7440-39-3	Barium	C200.7	mg/kg	130.1								
7440-41-7	Beryllium	C200.7	mg/kg	15.6								
7440-43-9	Cadmium	C200.7	mg/kg	0.68								
7440-47-3	Chromium	C200.7	mg/kg	52.3								
7440-48-4	Cobalt	C200.7	mg/kg	2.34								
7440-50-8	Copper	C200.7	mg/kg	18.7								
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548								
7440-66-6	Zinc	C200.7	mg/kg	124								
7440-70-2	Calcium	C200.7	mg/kg	NL								
7782-49-2	Selenium	C200.7	mg/kg	2								
7429-90-5	Aluminum	E200.7	mg/kg	7740			2670		2070		983	
7439-89-6	Iron	E200.7	mg/kg	2000			49700		28300	J	13800	
7439-92-1	Lead	E200.7	mg/kg	30.2			132	R			3.8	R
7439-95-4	Magnesium	E200.7	mg/kg	NL			635		671		162	J
7439-96-5	Manganese	E200.7	mg/kg	183			57.6	J			11.3	J
7440-02-0	Nickel	E200.7	mg/kg	15.9								
7440-09-7	Potassium	E200.7	mg/kg	NL			206	J	311	J	62.1	J
7440-22-4	Silver	E200.7	mg/kg	0.73								
7440-23-5	Sodium	E200.7	mg/kg	NL			1340		1590	J	1030	
7440-31-5	Tin	E200.7	mg/kg	NL								

				sys_loc_code:	A32		A33		A34		A35	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A32 0-6		A33 0-6		A34 0-6		A35 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/01/2009		07/01/2009		07/01/2009		07/01/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7440-36-0	Antimony	E200.7	mg/kg	2								
7440-38-2	Arsenic	E200.7	mg/kg	0.389			11.4				3.3	
7440-47-3	Chromium	E200.7	mg/kg	52.3								
7440-50-8	Copper	E200.7	mg/kg	18.7			11.2	J			6.7	J
7440-66-6	Zinc	E200.7	mg/kg	124			58.9				17.1	
7440-70-2	Calcium	E200.7	mg/kg	NL			576	U	419	J	600	U
7439-92-1	Lead	E200.8	mg/kg	30.2					140	J		
7439-96-5	Manganese	E200.8	mg/kg	183					107	J		
7440-02-0	Nickel	E200.8	mg/kg	15.9			9.9	J	12	J	0.77	J
7440-22-4	Silver	E200.8	mg/kg	0.73			0.24	UJ	0.31	UJ	0.3	U
7440-28-0	Thallium	E200.8	mg/kg	100000			0.47	U	0.63	UJ	0.59	U
7440-36-0	Antimony	E200.8	mg/kg	2			3.7		9.3		1.2	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389					21.7			
7440-39-3	Barium	E200.8	mg/kg	130.1			4.7	UJ	5.9	J	5.9	UJ
7440-41-7	Beryllium	E200.8	mg/kg	15.6			0.56		1		0.3	U
7440-43-9	Cadmium	E200.8	mg/kg	0.68			0.31		0.63		0.3	U
7440-47-3	Chromium	E200.8	mg/kg	52.3			23.3		35.7	J	5.5	
7440-48-4	Cobalt	E200.8	mg/kg	2.34			2.9	J	2.8	J	0.59	UJ
7440-50-8	Copper	E200.8	mg/kg	18.7					24.6	J		
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548			38.6		96.1	J	16.2	
7440-66-6	Zinc	E200.8	mg/kg	124					103	J		
7782-49-2	Selenium	E200.8	mg/kg	2			0.47	U	0.85		0.59	U
7439-97-6	Mercury	E245.5	mg/kg	0.13			0.037		0.14	J	0.039	U
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6	2.1	U						
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357	4	U						
309-00-2	Aldrin	CPEST	ug/kg	2	2.1	U						
319-84-6	Alpha-Bhc	CPEST	ug/kg	3	2.1	U						
319-85-7	Beta-Bhc	CPEST	ug/kg	3	2.1	U						
319-86-8	Delta-Bhc	CPEST	ug/kg	3	2.1	U						
33213-65-9	Endosulfan II	CPEST	ug/kg	14	4	U						
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19	4	U						
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7	2.1	U						
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7	2.1	U						

				sys_loc_code:	A32		A33		A34		A35	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A32 0-6		A33 0-6		A34 0-6		A35 0-6	
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				sample_date:	07/01/2009		07/01/2009		07/01/2009		07/01/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL	0.18	J						
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32	2.1	U						
60-57-1	Dieldrin	CPEST	ug/kg	0.72	4	U						
72-20-8	Endrin	CPEST	ug/kg	2.67	4	U						
72-43-5	Methoxychlor	CPEST	ug/kg	29.6	21	U						
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22	4	U						
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07	4	U						
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL	4	U						
76-44-8	Heptachlor	CPEST	ug/kg	68	2.1	U						
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1	210	U						
959-98-8	Endosulfan I	CPEST	ug/kg	2.9	2.1	U						
11096-82-5	Aroclor 1260	E608	ug/kg	21.6	40	U						
11097-69-1	Aroclor 1254	E608	ug/kg	23	40	U						
11100-14-4	Aroclor 1268	E608	ug/kg	21.6	40	U						
11104-28-2	Aroclor 1221	E608	ug/kg	21.6	40	U						
11141-16-5	Aroclor 1232	E608	ug/kg	21.6	40	U						
12672-29-6	Aroclor 1248	E608	ug/kg	21.6	40	U						
12674-11-2	Aroclor 1016	E608	ug/kg	21.6	40	U						
37324-23-5	Aroclor 1262	E608	ug/kg	21.6	40	U						
53469-21-9	Aroclor 1242	E608	ug/kg	21.6	40	U						
100-41-4	Ethylbenzene	E624	ug/kg	305	5.6	U						
100-42-5	Styrene	E624	ug/kg	7070	5.6	U						
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL	5.6	U						
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL	5.6	U						
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460	5.6	U						
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7	5.6	U						
107-06-2	1,2-Dichloroethane	E624	ug/kg	432	5.6	U						
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000	11	U						
108-87-2	Methylcyclohexane	E624	ug/kg	NL	5.6	U						
108-88-3	Toluene	E624	ug/kg	1090	5.6	U						
108-90-7	Chlorobenzene	E624	ug/kg	162	0.98	J						
110-82-7	Cyclohexane	E624	ug/kg	117000	5.6	U						
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473	5.6	U						

				sys_loc_code:	A32		A33		A34		A35	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A32 0-6		A33 0-6		A34 0-6		A35 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/01/2009		07/01/2009		07/01/2009		07/01/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
123-91-1	1,4-Dioxane	E624	ug/kg	44100	110	R						
124-48-1	Dibromochloromethane	E624	ug/kg	680	5.6	U						
127-18-4	Tetrachloroethene	E624	ug/kg	190	5.6	U						
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200	5.6	U						
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300	5.6	U						
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300	5.6	U						
179601-23-1	m,p-Xylene	E624	ug/kg	NL	5.6	U						
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842	5.6	U						
56-23-5	Carbon tetrachloride	E624	ug/kg	248	5.6	U						
591-78-6	2-Hexanone	E624	ug/kg	20900	11	U						
67-64-1	Acetone	E624	ug/kg	6130000	11	U						
67-66-3	Chloroform	E624	ug/kg	295	5.6	U						
71-43-2	Benzene	E624	ug/kg	137	5.6	U						
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856	5.6	U						
74-83-9	Bromomethane	E624	ug/kg	732	5.6	U						
74-87-3	Chloromethane	E624	ug/kg	11900	5.6	U						
74-97-5	Bromochloromethane	E624	ug/kg	NL	5.6	U						
75-00-3	Chloroethane	E624	ug/kg	1450000	5.6	U						
75-01-4	Vinyl Chloride	E624	ug/kg	59.7	5.6	U						
75-09-2	Methylene chloride	E624	ug/kg	10700	5.6	U						
75-15-0	Carbon Disulfide	E624	ug/kg	0.851	0.84	J						
75-25-2	Bromoform	E624	ug/kg	1310	5.6	U						
75-27-4	Bromodichloromethane	E624	ug/kg	273	5.6	U						
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310	5.6	U						
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780	5.6	U						
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700	5.6	U						
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400	5.6	U						
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000	5.6	U						
78-87-5	1,2-Dichloropropane	E624	ug/kg	895	5.6	U						
78-93-3	2-Butanone	E624	ug/kg	2780000	11	U						
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570	5.6	U						
79-01-6	Trichloroethene	E624	ug/kg	1600	5.6	U						
79-20-9	Methyl Acetate	E624	ug/kg	7820000	5.6	U						

				sys_loc_code:	A32		A33		A34		A35	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A32 0-6		A33 0-6		A34 0-6		A35 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/01/2009		07/01/2009		07/01/2009		07/01/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202	5.6	U						
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858	5.6	U						
95-47-6	o-Xylene	E624	ug/kg	NL	5.6	U						
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989	5.6	U						
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35	5.6	U						
98-82-8	Isopropylbenzene	E624	ug/kg	86	5.6	U						
100-01-6	4-Nitroaniline	E625	ug/kg	24300	400	U						
100-02-7	4-Nitrophenol	E625	ug/kg	NL	400	U						
100-52-7	Benzaldehyde	E625	ug/kg	782000	56	J						
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230	210	U						
105-60-2	Caprolactam	E625	ug/kg	3060000	210	U						
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29	210	U						
106-44-5	4-Methylphenol	E625	ug/kg	670	210	U						
106-47-8	4-Chloroaniline	E625	ug/kg	2430	210	U						
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570	210	U						
108-95-2	Phenol	E625	ug/kg	420	22	J						
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214	210	U						
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300	210	U						
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182	21	J						
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL	210	U						
118-74-1	Hexachlorobenzene	E625	ug/kg	20	210	U						
120-12-7	Anthracene	E625	ug/kg	46.9	210	U						
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117	210	U						
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6	210	U						
129-00-0	Pyrene	E625	ug/kg	153	210	U						
131-11-3	Dimethylphthalate	E625	ug/kg	NL	210	U						
132-64-9	Dibenzofuran	E625	ug/kg	7300	210	U						
1912-24-9	Atrazine	E625	ug/kg	6.62	210	U						
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170	210	U						
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17	210	U						
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148	210	U						
206-44-0	Fluoranthene	E625	ug/kg	113	210	UJ						
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240	210	U						

				sys_loc_code:	A32		A33		A34		A35	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A32 0-6		A33 0-6		A34 0-6		A35 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/01/2009		07/01/2009		07/01/2009		07/01/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
208-96-8	Acenaphthylene	E625	ug/kg	5.87	210	U						
218-01-9	Chrysene	E625	ug/kg	108	210	U						
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8	210	U						
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200	400	U						
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611	400	U						
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22	210	U						
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8	210	U						
58-90-2	Chlorophenols	E625	ug/kg	284	210	U						
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000	210	U						
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120	210	U						
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4	210	U						
67-72-1	Hexachloroethane	E625	ug/kg	804	210	U						
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL	210	U						
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139	210	U						
78-59-1	Isophorone	E625	ug/kg	511000	210	U						
83-32-9	Acenaphthene	E625	ug/kg	6.71	210	U						
84-66-2	Diethylphthalate	E625	ug/kg	218	210	U						
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160	210	U						
85-01-8	Phenanthrene	E625	ug/kg	86.7	210	U						
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800	210	U						
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100	210	U						
86-73-7	Fluorene	E625	ug/kg	19	210	UJ						
86-74-8	Carbazole	E625	ug/kg	NL	210	U						
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110	210	U						
87-86-5	Pentachlorophenol	E625	ug/kg	2970	400	U						
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650	210	U						
88-74-4	2-Nitroaniline	E625	ug/kg	60600	400	U						
88-75-5	2-Nitrophenol	E625	ug/kg	NL	210	U						
91-20-3	Naphthalene	E625	ug/kg	34.6	7.1	J						
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2	210	U						
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000	210	U						
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080	210	U						
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220	210	U						

				sys_loc_code:	A32		A33		A34		A35	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A32 0-6		A33 0-6		A34 0-6		A35 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/01/2009		07/01/2009		07/01/2009		07/01/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
95-48-7	2-Methylphenol	E625	ug/kg	306000	210	U						
95-57-8	2-Chlorophenol	E625	ug/kg	344	210	U						
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830	210	U						
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819	210	U						
98-86-2	Acetophenone	E625	ug/kg	782000	27	J						
98-95-3	Nitrobenzene	E625	ug/kg	4790	210	U						
99-09-2	3-Nitroaniline	E625	ug/kg	NL	400	U						

				sys_loc_code:	A36		A37		A38		A39	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A36 0-6		A37 0-6		A38 0-6		A39 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/15/2009		07/15/2009		07/15/2009		07/15/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	C200.7	mg/kg	7740								
7439-89-6	Iron	C200.7	mg/kg	2000								
7439-92-1	Lead	C200.7	mg/kg	30.2								
7439-95-4	Magnesium	C200.7	mg/kg	NL								
7439-96-5	Manganese	C200.7	mg/kg	183								
7440-02-0	Nickel	C200.7	mg/kg	15.9								
7440-09-7	Potassium	C200.7	mg/kg	NL								
7440-22-4	Silver	C200.7	mg/kg	0.73								
7440-23-5	Sodium	C200.7	mg/kg	NL								
7440-28-0	Thallium	C200.7	mg/kg	100000								
7440-31-5	Tin	C200.7	mg/kg	NL								
7440-36-0	Antimony	C200.7	mg/kg	2								
7440-38-2	Arsenic	C200.7	mg/kg	0.389								
7440-39-3	Barium	C200.7	mg/kg	130.1								
7440-41-7	Beryllium	C200.7	mg/kg	15.6								
7440-43-9	Cadmium	C200.7	mg/kg	0.68								
7440-47-3	Chromium	C200.7	mg/kg	52.3								
7440-48-4	Cobalt	C200.7	mg/kg	2.34								
7440-50-8	Copper	C200.7	mg/kg	18.7								
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548								
7440-66-6	Zinc	C200.7	mg/kg	124								
7440-70-2	Calcium	C200.7	mg/kg	NL								
7782-49-2	Selenium	C200.7	mg/kg	2								
7429-90-5	Aluminum	E200.7	mg/kg	7740	3010		2710		1330		3490	
7439-89-6	Iron	E200.7	mg/kg	2000	28600		28700		30300		43400	
7439-92-1	Lead	E200.7	mg/kg	30.2								
7439-95-4	Magnesium	E200.7	mg/kg	NL	337		483		639		1590	
7439-96-5	Manganese	E200.7	mg/kg	183								
7440-02-0	Nickel	E200.7	mg/kg	15.9								
7440-09-7	Potassium	E200.7	mg/kg	NL	165		195		244		672	U
7440-22-4	Silver	E200.7	mg/kg	0.73								
7440-23-5	Sodium	E200.7	mg/kg	NL	1540		1550		1720		3290	
7440-31-5	Tin	E200.7	mg/kg	NL								

Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 1 Sediment Samples < 12 inches

				sys_loc_code:	A36		A37		A38		A39	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A36 0-6		A37 0-6		A38 0-6		A39 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/15/2009		07/15/2009		07/15/2009		07/15/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7440-36-0	Antimony	E200.7	mg/kg	2								
7440-38-2	Arsenic	E200.7	mg/kg	0.389								
7440-47-3	Chromium	E200.7	mg/kg	52.3								
7440-50-8	Copper	E200.7	mg/kg	18.7								
7440-66-6	Zinc	E200.7	mg/kg	124								
7440-70-2	Calcium	E200.7	mg/kg	NL	272		344		7510		10200	
7439-92-1	Lead	E200.8	mg/kg	30.2	60.9	J	172	J			1120	J
7439-96-5	Manganese	E200.8	mg/kg	183	25.9	J	36.5	J	112	J	113	J
7440-02-0	Nickel	E200.8	mg/kg	15.9	3.5	J	4.1	J	16.6	J	11	
7440-22-4	Silver	E200.8	mg/kg	0.73	0.29	UJ	0.29	UJ	0.33	J	0.3	UJ
7440-28-0	Thallium	E200.8	mg/kg	100000	0.59	U	0.58	U	0.59	U	0.61	U
7440-36-0	Antimony	E200.8	mg/kg	2	4.1		5.8		191		38	
7440-38-2	Arsenic	E200.8	mg/kg	0.389	5.7	J	6.1	J	100	J	26.3	
7440-39-3	Barium	E200.8	mg/kg	130.1	5.9	UJ	5.8	UJ	36.1	J	6.1	UJ
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.52		0.37		0.32		0.4	
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.29	UJ	0.29	UJ	0.94	J	0.54	
7440-47-3	Chromium	E200.8	mg/kg	52.3	15.3	J	15	J	16.1	J	21.3	J
7440-48-4	Cobalt	E200.8	mg/kg	2.34	2.5	J	2	J	3.2	J	2.6	
7440-50-8	Copper	E200.8	mg/kg	18.7	9.9	J	15.4	J	334	J	57.4	
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	39.3		31.7		41.6		40.5	
7440-66-6	Zinc	E200.8	mg/kg	124	94.7	J	90.6	J	225	J	82.2	
7782-49-2	Selenium	E200.8	mg/kg	2	0.18	J	0.16	J	0.46	J	0.61	J
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.028	J	0.037		0.024	J	0.051	
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6								
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357								
309-00-2	Aldrin	CPEST	ug/kg	2								
319-84-6	Alpha-Bhc	CPEST	ug/kg	3								
319-85-7	Beta-Bhc	CPEST	ug/kg	3								
319-86-8	Delta-Bhc	CPEST	ug/kg	3								
33213-65-9	Endosulfan II	CPEST	ug/kg	14								
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19								
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7								
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7								

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Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 1 Sediment Samples < 12 inches

				sys_loc_code:	A36		A37		A38		A39	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A36 0-6		A37 0-6		A38 0-6		A39 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/15/2009		07/15/2009		07/15/2009		07/15/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL								
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32								
60-57-1	Dieldrin	CPEST	ug/kg	0.72								
72-20-8	Endrin	CPEST	ug/kg	2.67								
72-43-5	Methoxychlor	CPEST	ug/kg	29.6								
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22								
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07								
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL								
76-44-8	Heptachlor	CPEST	ug/kg	68								
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1								
959-98-8	Endosulfan I	CPEST	ug/kg	2.9								
11096-82-5	Aroclor 1260	E608	ug/kg	21.6								
11097-69-1	Aroclor 1254	E608	ug/kg	23								
11100-14-4	Aroclor 1268	E608	ug/kg	21.6								
11104-28-2	Aroclor 1221	E608	ug/kg	21.6								
11141-16-5	Aroclor 1232	E608	ug/kg	21.6								
12672-29-6	Aroclor 1248	E608	ug/kg	21.6								
12674-11-2	Aroclor 1016	E608	ug/kg	21.6								
37324-23-5	Aroclor 1262	E608	ug/kg	21.6								
53469-21-9	Aroclor 1242	E608	ug/kg	21.6								
100-41-4	Ethylbenzene	E624	ug/kg	305								
100-42-5	Styrene	E624	ug/kg	7070								
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL								
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL								
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460								
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7								
107-06-2	1,2-Dichloroethane	E624	ug/kg	432								
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000								
108-87-2	Methylcyclohexane	E624	ug/kg	NL								
108-88-3	Toluene	E624	ug/kg	1090								
108-90-7	Chlorobenzene	E624	ug/kg	162								
110-82-7	Cyclohexane	E624	ug/kg	117000								
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473								

				sys_loc_code:	A36		A37		A38		A39	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A36 0-6		A37 0-6		A38 0-6		A39 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/15/2009		07/15/2009		07/15/2009		07/15/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
123-91-1	1,4-Dioxane	E624	ug/kg	44100								
124-48-1	Dibromochloromethane	E624	ug/kg	680								
127-18-4	Tetrachloroethene	E624	ug/kg	190								
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200								
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300								
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300								
179601-23-1	m,p-Xylene	E624	ug/kg	NL								
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842								
56-23-5	Carbon tetrachloride	E624	ug/kg	248								
591-78-6	2-Hexanone	E624	ug/kg	20900								
67-64-1	Acetone	E624	ug/kg	6130000								
67-66-3	Chloroform	E624	ug/kg	295								
71-43-2	Benzene	E624	ug/kg	137								
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856								
74-83-9	Bromomethane	E624	ug/kg	732								
74-87-3	Chloromethane	E624	ug/kg	11900								
74-97-5	Bromochloromethane	E624	ug/kg	NL								
75-00-3	Chloroethane	E624	ug/kg	1450000								
75-01-4	Vinyl Chloride	E624	ug/kg	59.7								
75-09-2	Methylene chloride	E624	ug/kg	10700								
75-15-0	Carbon Disulfide	E624	ug/kg	0.851								
75-25-2	Bromoform	E624	ug/kg	1310								
75-27-4	Bromodichloromethane	E624	ug/kg	273								
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310								
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780								
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700								
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400								
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000								
78-87-5	1,2-Dichloropropane	E624	ug/kg	895								
78-93-3	2-Butanone	E624	ug/kg	2780000								
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570								
79-01-6	Trichloroethene	E624	ug/kg	1600								
79-20-9	Methyl Acetate	E624	ug/kg	7820000								

				sys_loc_code:	A36		A37		A38		A39	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A36 0-6		A37 0-6		A38 0-6		A39 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/15/2009		07/15/2009		07/15/2009		07/15/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202								
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858								
95-47-6	o-Xylene	E624	ug/kg	NL								
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989								
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35								
98-82-8	Isopropylbenzene	E624	ug/kg	86								
100-01-6	4-Nitroaniline	E625	ug/kg	24300								
100-02-7	4-Nitrophenol	E625	ug/kg	NL								
100-52-7	Benzaldehyde	E625	ug/kg	782000								
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230								
105-60-2	Caprolactam	E625	ug/kg	3060000								
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29								
106-44-5	4-Methylphenol	E625	ug/kg	670								
106-47-8	4-Chloroaniline	E625	ug/kg	2430								
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570								
108-95-2	Phenol	E625	ug/kg	420								
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214								
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300								
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182								
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL								
118-74-1	Hexachlorobenzene	E625	ug/kg	20								
120-12-7	Anthracene	E625	ug/kg	46.9								
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117								
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6								
129-00-0	Pyrene	E625	ug/kg	153								
131-11-3	Dimethylphthalate	E625	ug/kg	NL								
132-64-9	Dibenzofuran	E625	ug/kg	7300								
1912-24-9	Atrazine	E625	ug/kg	6.62								
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170								
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17								
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148								
206-44-0	Fluoranthene	E625	ug/kg	113								
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240								

				sys_loc_code:	A36		A37		A38		A39	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A36 0-6		A37 0-6		A38 0-6		A39 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/15/2009		07/15/2009		07/15/2009		07/15/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
208-96-8	Acenaphthylene	E625	ug/kg	5.87								
218-01-9	Chrysene	E625	ug/kg	108								
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8								
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200								
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611								
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22								
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8								
58-90-2	Chlorophenols	E625	ug/kg	284								
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000								
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120								
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4								
67-72-1	Hexachloroethane	E625	ug/kg	804								
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL								
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139								
78-59-1	Isophorone	E625	ug/kg	511000								
83-32-9	Acenaphthene	E625	ug/kg	6.71								
84-66-2	Diethylphthalate	E625	ug/kg	218								
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160								
85-01-8	Phenanthrene	E625	ug/kg	86.7								
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800								
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100								
86-73-7	Fluorene	E625	ug/kg	19								
86-74-8	Carbazole	E625	ug/kg	NL								
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110								
87-86-5	Pentachlorophenol	E625	ug/kg	2970								
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650								
88-74-4	2-Nitroaniline	E625	ug/kg	60600								
88-75-5	2-Nitrophenol	E625	ug/kg	NL								
91-20-3	Naphthalene	E625	ug/kg	34.6								
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2								
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000								
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080								
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220								

				sys_loc_code:	A36		A37		A38		A39	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A36 0-6		A37 0-6		A38 0-6		A39 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/15/2009		07/15/2009		07/15/2009		07/15/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
95-48-7	2-Methylphenol	E625	ug/kg	306000								
95-57-8	2-Chlorophenol	E625	ug/kg	344								
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830								
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819								
98-86-2	Acetophenone	E625	ug/kg	782000								
98-95-3	Nitrobenzene	E625	ug/kg	4790								
99-09-2	3-Nitroaniline	E625	ug/kg	NL								

				sys_loc_code:	A4		A40		A41		A42	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A4 0-6		A40 0-6		A41 0-6		A42 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/01/2009		07/14/2009		07/22/2009		07/17/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	C200.7	mg/kg	7740								
7439-89-6	Iron	C200.7	mg/kg	2000								
7439-92-1	Lead	C200.7	mg/kg	30.2								
7439-95-4	Magnesium	C200.7	mg/kg	NL								
7439-96-5	Manganese	C200.7	mg/kg	183								
7440-02-0	Nickel	C200.7	mg/kg	15.9								
7440-09-7	Potassium	C200.7	mg/kg	NL								
7440-22-4	Silver	C200.7	mg/kg	0.73								
7440-23-5	Sodium	C200.7	mg/kg	NL								
7440-28-0	Thallium	C200.7	mg/kg	100000								
7440-31-5	Tin	C200.7	mg/kg	NL								
7440-36-0	Antimony	C200.7	mg/kg	2								
7440-38-2	Arsenic	C200.7	mg/kg	0.389								
7440-39-3	Barium	C200.7	mg/kg	130.1								
7440-41-7	Beryllium	C200.7	mg/kg	15.6								
7440-43-9	Cadmium	C200.7	mg/kg	0.68								
7440-47-3	Chromium	C200.7	mg/kg	52.3								
7440-48-4	Cobalt	C200.7	mg/kg	2.34								
7440-50-8	Copper	C200.7	mg/kg	18.7								
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548								
7440-66-6	Zinc	C200.7	mg/kg	124								
7440-70-2	Calcium	C200.7	mg/kg	NL								
7782-49-2	Selenium	C200.7	mg/kg	2								
7429-90-5	Aluminum	E200.7	mg/kg	7740	2020	J	1230		3100		2270	
7439-89-6	Iron	E200.7	mg/kg	2000	35400	J	15100		9190		32300	
7439-92-1	Lead	E200.7	mg/kg	30.2	5660		22.2					
7439-95-4	Magnesium	E200.7	mg/kg	NL	560		548	J	1300		914	
7439-96-5	Manganese	E200.7	mg/kg	183	93.2	J	38.1					
7440-02-0	Nickel	E200.7	mg/kg	15.9								
7440-09-7	Potassium	E200.7	mg/kg	NL	119	J	226	J	800		310	J
7440-22-4	Silver	E200.7	mg/kg	0.73								
7440-23-5	Sodium	E200.7	mg/kg	NL	1050		1670		2780		2440	J
7440-31-5	Tin	E200.7	mg/kg	NL								

Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 1 Sediment Samples < 12 inches

				sys_loc_code:	A4		A40		A41		A42	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A4 0-6		A40 0-6		A41 0-6		A42 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/01/2009		07/14/2009		07/22/2009		07/17/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7440-36-0	Antimony	E200.7	mg/kg	2	1550							
7440-38-2	Arsenic	E200.7	mg/kg	0.389	760	J	8					
7440-47-3	Chromium	E200.7	mg/kg	52.3								
7440-50-8	Copper	E200.7	mg/kg	18.7	713	J	10.5					
7440-66-6	Zinc	E200.7	mg/kg	124	217		47.9					
7440-70-2	Calcium	E200.7	mg/kg	NL	415	U	485	J	1800		564	J
7439-92-1	Lead	E200.8	mg/kg	30.2					18.5		39.8	J
7439-96-5	Manganese	E200.8	mg/kg	183					83.4		41.7	J
7440-02-0	Nickel	E200.8	mg/kg	15.9	3.9	J	6.2		4.1		5.4	
7440-22-4	Silver	E200.8	mg/kg	0.73	0.24	UJ	0.28	UJ	0.35	U	0.31	UJ
7440-28-0	Thallium	E200.8	mg/kg	100000	0.48	U	0.57	U	0.69	U	0.62	U
7440-36-0	Antimony	E200.8	mg/kg	2			1.4		1.4	U	1.4	
7440-38-2	Arsenic	E200.8	mg/kg	0.389					4.5	J	8.2	
7440-39-3	Barium	E200.8	mg/kg	130.1	4.8	UJ	4	J	6.9	U	5	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.29		0.7		0.35	U	0.31	U
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.24	U	0.28	U	0.35	U	0.36	
7440-47-3	Chromium	E200.8	mg/kg	52.3	12.7		22.4	J	8.2	J	12.4	J
7440-48-4	Cobalt	E200.8	mg/kg	2.34	0.98	J	1.7	J	1.8		1.8	J
7440-50-8	Copper	E200.8	mg/kg	18.7					7.2	J	17.3	J
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	20.7		61.6	J	15		20.2	J
7440-66-6	Zinc	E200.8	mg/kg	124					31.1	J	71.3	
7782-49-2	Selenium	E200.8	mg/kg	2	0.48	U	0.99		0.69	U	0.55	J
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.033	U	0.049		0.087		0.12	
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6					2.6	UJ		
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357					5	UJ		
309-00-2	Aldrin	CPEST	ug/kg	2					2.6	U		
319-84-6	Alpha-Bhc	CPEST	ug/kg	3					2.6	U		
319-85-7	Beta-Bhc	CPEST	ug/kg	3					2.6	UJ		
319-86-8	Delta-Bhc	CPEST	ug/kg	3					2.6	U		
33213-65-9	Endosulfan II	CPEST	ug/kg	14					5	UJ		
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19					5	U		
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7					2.6	U		
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7					2.6	U		

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				sys_loc_code:	A4		A40		A41		A42	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A4 0-6		A40 0-6		A41 0-6		A42 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/01/2009		07/14/2009		07/22/2009		07/17/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL					5	UJ		
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32					2.6	UJ		
60-57-1	Dieldrin	CPEST	ug/kg	0.72					5	U		
72-20-8	Endrin	CPEST	ug/kg	2.67					5	U		
72-43-5	Methoxychlor	CPEST	ug/kg	29.6					26	U		
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22					5	UJ		
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07					0.13	J		
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL					5	UJ		
76-44-8	Heptachlor	CPEST	ug/kg	68					2.6	U		
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1					260	U		
959-98-8	Endosulfan I	CPEST	ug/kg	2.9					2.6	U		
11096-82-5	Aroclor 1260	E608	ug/kg	21.6					50	U		
11097-69-1	Aroclor 1254	E608	ug/kg	23					50	U		
11100-14-4	Aroclor 1268	E608	ug/kg	21.6					50	U		
11104-28-2	Aroclor 1221	E608	ug/kg	21.6					50	U		
11141-16-5	Aroclor 1232	E608	ug/kg	21.6					50	U		
12672-29-6	Aroclor 1248	E608	ug/kg	21.6					50	U		
12674-11-2	Aroclor 1016	E608	ug/kg	21.6					50	U		
37324-23-5	Aroclor 1262	E608	ug/kg	21.6					50	U		
53469-21-9	Aroclor 1242	E608	ug/kg	21.6					50	U		
100-41-4	Ethylbenzene	E624	ug/kg	305					8.3	U		
100-42-5	Styrene	E624	ug/kg	7070					8.3	U		
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL					8.3	U		
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL					8.3	U		
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460					8.3	U		
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7					8.3	U		
107-06-2	1,2-Dichloroethane	E624	ug/kg	432					8.3	U		
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000					17	U		
108-87-2	Methylcyclohexane	E624	ug/kg	NL					8.3	U		
108-88-3	Toluene	E624	ug/kg	1090					8.3	U		
108-90-7	Chlorobenzene	E624	ug/kg	162					8.3	U		
110-82-7	Cyclohexane	E624	ug/kg	117000					8.3	U		
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473					8.3	U		

				sys_loc_code:	A4		A40		A41		A42	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A4 0-6		A40 0-6		A41 0-6		A42 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/01/2009		07/14/2009		07/22/2009		07/17/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
123-91-1	1,4-Dioxane	E624	ug/kg	44100					170	R		
124-48-1	Dibromochloromethane	E624	ug/kg	680					8.3	U		
127-18-4	Tetrachloroethene	E624	ug/kg	190					8.3	U		
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200					8.3	U		
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300					8.3	U		
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300					8.3	U		
179601-23-1	m,p-Xylene	E624	ug/kg	NL					8.3	U		
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842					8.3	U		
56-23-5	Carbon tetrachloride	E624	ug/kg	248					8.3	U		
591-78-6	2-Hexanone	E624	ug/kg	20900					17	U		
67-64-1	Acetone	E624	ug/kg	6130000					17	U		
67-66-3	Chloroform	E624	ug/kg	295					8.3	U		
71-43-2	Benzene	E624	ug/kg	137					8.3	U		
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856					8.3	U		
74-83-9	Bromomethane	E624	ug/kg	732					8.3	U		
74-87-3	Chloromethane	E624	ug/kg	11900					8.3	U		
74-97-5	Bromochloromethane	E624	ug/kg	NL					8.3	U		
75-00-3	Chloroethane	E624	ug/kg	1450000					8.3	U		
75-01-4	Vinyl Chloride	E624	ug/kg	59.7					8.3	U		
75-09-2	Methylene chloride	E624	ug/kg	10700					8.3	U		
75-15-0	Carbon Disulfide	E624	ug/kg	0.851					5	J		
75-25-2	Bromoform	E624	ug/kg	1310					8.3	U		
75-27-4	Bromodichloromethane	E624	ug/kg	273					8.3	U		
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310					8.3	U		
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780					8.3	U		
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700					8.3	U		
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400					8.3	U		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000					8.3	U		
78-87-5	1,2-Dichloropropane	E624	ug/kg	895					8.3	U		
78-93-3	2-Butanone	E624	ug/kg	2780000					17	U		
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570					8.3	U		
79-01-6	Trichloroethene	E624	ug/kg	1600					8.3	U		
79-20-9	Methyl Acetate	E624	ug/kg	7820000					8.3	U		

				sys_loc_code:	A4		A40		A41		A42	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A4 0-6		A40 0-6		A41 0-6		A42 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/01/2009		07/14/2009		07/22/2009		07/17/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202					8.3	U		
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858					8.3	U		
95-47-6	o-Xylene	E624	ug/kg	NL					8.3	U		
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989					8.3	U		
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35					8.3	U		
98-82-8	Isopropylbenzene	E624	ug/kg	86					8.3	U		
100-01-6	4-Nitroaniline	E625	ug/kg	24300					500	U		
100-02-7	4-Nitrophenol	E625	ug/kg	NL					500	U		
100-52-7	Benzaldehyde	E625	ug/kg	782000					21	J		
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230					260	U		
105-60-2	Caprolactam	E625	ug/kg	3060000					260	U		
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29					260	U		
106-44-5	4-Methylphenol	E625	ug/kg	670					260	U		
106-47-8	4-Chloroaniline	E625	ug/kg	2430					260	U		
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570					260	U		
108-95-2	Phenol	E625	ug/kg	420					18	J		
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214					260	U		
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300					260	U		
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182					28	J		
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL					260	U		
118-74-1	Hexachlorobenzene	E625	ug/kg	20					260	U		
120-12-7	Anthracene	E625	ug/kg	46.9					260	U		
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117					260	U		
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6					260	U		
129-00-0	Pyrene	E625	ug/kg	153					260	U		
131-11-3	Dimethylphthalate	E625	ug/kg	NL					260	U		
132-64-9	Dibenzofuran	E625	ug/kg	7300					260	U		
1912-24-9	Atrazine	E625	ug/kg	6.62					260	U		
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170					260	U		
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17					260	UJ		
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148					260	U		
206-44-0	Fluoranthene	E625	ug/kg	113					260	U		
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240					260	U		

				sys_loc_code:	A4		A40		A41		A42	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A4 0-6		A40 0-6		A41 0-6		A42 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/01/2009		07/14/2009		07/22/2009		07/17/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
208-96-8	Acenaphthylene	E625	ug/kg	5.87					260	U		
218-01-9	Chrysene	E625	ug/kg	108					260	U		
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8					260	U		
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200					500	U		
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611					500	U		
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22					260	U		
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8					260	U		
58-90-2	Chlorophenols	E625	ug/kg	284					260	U		
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000					260	U		
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120					260	U		
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4					260	U		
67-72-1	Hexachloroethane	E625	ug/kg	804					260	U		
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL					260	U		
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139					260	U		
78-59-1	Isophorone	E625	ug/kg	511000					260	U		
83-32-9	Acenaphthene	E625	ug/kg	6.71					260	U		
84-66-2	Diethylphthalate	E625	ug/kg	218					260	U		
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160					8.7	J		
85-01-8	Phenanthrene	E625	ug/kg	86.7					260	U		
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800					260	U		
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100					260	U		
86-73-7	Fluorene	E625	ug/kg	19					260	U		
86-74-8	Carbazole	E625	ug/kg	NL					260	U		
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110					260	U		
87-86-5	Pentachlorophenol	E625	ug/kg	2970					500	U		
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650					260	U		
88-74-4	2-Nitroaniline	E625	ug/kg	60600					500	U		
88-75-5	2-Nitrophenol	E625	ug/kg	NL					260	U		
91-20-3	Naphthalene	E625	ug/kg	34.6					260	U		
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2					260	U		
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000					260	U		
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080					260	U		
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220					260	U		

				sys_loc_code:	A4		A40		A41		A42	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A4 0-6		A40 0-6		A41 0-6		A42 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/01/2009		07/14/2009		07/22/2009		07/17/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
95-48-7	2-Methylphenol	E625	ug/kg	306000					260	U		
95-57-8	2-Chlorophenol	E625	ug/kg	344					260	U		
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830					260	U		
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819					260	U		
98-86-2	Acetophenone	E625	ug/kg	782000					14	J		
98-95-3	Nitrobenzene	E625	ug/kg	4790					260	U		
99-09-2	3-Nitroaniline	E625	ug/kg	NL					500	U		

Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 1 Sediment Samples < 12 inches

				sys_loc_code:	A43		A44		A45		A46	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A43 0-6		A44 0-6		A45 0-6		A46 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/17/2009		07/17/2009		07/17/2009		07/17/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	C200.7	mg/kg	7740								
7439-89-6	Iron	C200.7	mg/kg	2000								
7439-92-1	Lead	C200.7	mg/kg	30.2								
7439-95-4	Magnesium	C200.7	mg/kg	NL								
7439-96-5	Manganese	C200.7	mg/kg	183								
7440-02-0	Nickel	C200.7	mg/kg	15.9								
7440-09-7	Potassium	C200.7	mg/kg	NL								
7440-22-4	Silver	C200.7	mg/kg	0.73								
7440-23-5	Sodium	C200.7	mg/kg	NL								
7440-28-0	Thallium	C200.7	mg/kg	100000								
7440-31-5	Tin	C200.7	mg/kg	NL								
7440-36-0	Antimony	C200.7	mg/kg	2								
7440-38-2	Arsenic	C200.7	mg/kg	0.389								
7440-39-3	Barium	C200.7	mg/kg	130.1								
7440-41-7	Beryllium	C200.7	mg/kg	15.6								
7440-43-9	Cadmium	C200.7	mg/kg	0.68								
7440-47-3	Chromium	C200.7	mg/kg	52.3								
7440-48-4	Cobalt	C200.7	mg/kg	2.34								
7440-50-8	Copper	C200.7	mg/kg	18.7								
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548								
7440-66-6	Zinc	C200.7	mg/kg	124								
7440-70-2	Calcium	C200.7	mg/kg	NL								
7782-49-2	Selenium	C200.7	mg/kg	2								
7429-90-5	Aluminum	E200.7	mg/kg	7740	1420		2840		3670		1290	
7439-89-6	Iron	E200.7	mg/kg	2000	7910		40300		58400		15100	
7439-92-1	Lead	E200.7	mg/kg	30.2								
7439-95-4	Magnesium	E200.7	mg/kg	NL	774		910		791		541	J
7439-96-5	Manganese	E200.7	mg/kg	183								
7440-02-0	Nickel	E200.7	mg/kg	15.9								
7440-09-7	Potassium	E200.7	mg/kg	NL	317	J	407	J	381	J	206	J
7440-22-4	Silver	E200.7	mg/kg	0.73								
7440-23-5	Sodium	E200.7	mg/kg	NL	2230	J	2260	J	1920	J	2100	J
7440-31-5	Tin	E200.7	mg/kg	NL								

R2-0000459

				sys_loc_code:	A43		A44		A45		A46	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A43 0-6		A44 0-6		A45 0-6		A46 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/17/2009		07/17/2009		07/17/2009		07/17/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7440-36-0	Antimony	E200.7	mg/kg	2								
7440-38-2	Arsenic	E200.7	mg/kg	0.389								
7440-47-3	Chromium	E200.7	mg/kg	52.3								
7440-50-8	Copper	E200.7	mg/kg	18.7								
7440-66-6	Zinc	E200.7	mg/kg	124								
7440-70-2	Calcium	E200.7	mg/kg	NL	2080		2160		504	J	1020	
7439-92-1	Lead	E200.8	mg/kg	30.2	66.4	J	38.2	J	33.6	J	33.3	J
7439-96-5	Manganese	E200.8	mg/kg	183	355	J	76.8	J	112	J	45.1	J
7440-02-0	Nickel	E200.8	mg/kg	15.9	5.1		4		4.2		2.5	
7440-22-4	Silver	E200.8	mg/kg	0.73	0.31	UJ	0.31	UJ	0.28	UJ	0.28	UJ
7440-28-0	Thallium	E200.8	mg/kg	100000	0.63	U	0.63	U	0.57	U	0.57	U
7440-36-0	Antimony	E200.8	mg/kg	2	2.1		1.3	U	1.1	U	1.1	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389	16.2		6.8		8.6		7	
7440-39-3	Barium	E200.8	mg/kg	130.1	8		4.5	J	4.8	J	3.8	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.31	U	0.31	U	0.51		0.28	U
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.31	U	0.31	U	0.28	U	0.28	U
7440-47-3	Chromium	E200.8	mg/kg	52.3	10.7	J	13.6	J	24.4	J	10.1	J
7440-48-4	Cobalt	E200.8	mg/kg	2.34	3	J	2	J	2.1	J	1.4	J
7440-50-8	Copper	E200.8	mg/kg	18.7	15.3	J	11.4	J	11.6	J	9.8	J
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	18.3	J	21.6	J	53.5	J	46.1	J
7440-66-6	Zinc	E200.8	mg/kg	124	70.5		51.1		48.3		42.7	
7782-49-2	Selenium	E200.8	mg/kg	2	0.45	J	0.28	J	0.31	J	0.38	J
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.11		0.07		0.036	J	0.063	
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6								
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357								
309-00-2	Aldrin	CPEST	ug/kg	2								
319-84-6	Alpha-Bhc	CPEST	ug/kg	3								
319-85-7	Beta-Bhc	CPEST	ug/kg	3								
319-86-8	Delta-Bhc	CPEST	ug/kg	3								
33213-65-9	Endosulfan II	CPEST	ug/kg	14								
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19								
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7								
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7								

				sys_loc_code:	A43		A44		A45		A46	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A43 0-6		A44 0-6		A45 0-6		A46 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/17/2009		07/17/2009		07/17/2009		07/17/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL								
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32								
60-57-1	Dieldrin	CPEST	ug/kg	0.72								
72-20-8	Endrin	CPEST	ug/kg	2.67								
72-43-5	Methoxychlor	CPEST	ug/kg	29.6								
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22								
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07								
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL								
76-44-8	Heptachlor	CPEST	ug/kg	68								
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1								
959-98-8	Endosulfan I	CPEST	ug/kg	2.9								
11096-82-5	Aroclor 1260	E608	ug/kg	21.6								
11097-69-1	Aroclor 1254	E608	ug/kg	23								
11100-14-4	Aroclor 1268	E608	ug/kg	21.6								
11104-28-2	Aroclor 1221	E608	ug/kg	21.6								
11141-16-5	Aroclor 1232	E608	ug/kg	21.6								
12672-29-6	Aroclor 1248	E608	ug/kg	21.6								
12674-11-2	Aroclor 1016	E608	ug/kg	21.6								
37324-23-5	Aroclor 1262	E608	ug/kg	21.6								
53469-21-9	Aroclor 1242	E608	ug/kg	21.6								
100-41-4	Ethylbenzene	E624	ug/kg	305								
100-42-5	Styrene	E624	ug/kg	7070								
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL								
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL								
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460								
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7								
107-06-2	1,2-Dichloroethane	E624	ug/kg	432								
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000								
108-87-2	Methylcyclohexane	E624	ug/kg	NL								
108-88-3	Toluene	E624	ug/kg	1090								
108-90-7	Chlorobenzene	E624	ug/kg	162								
110-82-7	Cyclohexane	E624	ug/kg	117000								
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473								

				sys_loc_code:	A43		A44		A45		A46	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A43 0-6		A44 0-6		A45 0-6		A46 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/17/2009		07/17/2009		07/17/2009		07/17/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
123-91-1	1,4-Dioxane	E624	ug/kg	44100								
124-48-1	Dibromochloromethane	E624	ug/kg	680								
127-18-4	Tetrachloroethene	E624	ug/kg	190								
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200								
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300								
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300								
179601-23-1	m,p-Xylene	E624	ug/kg	NL								
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842								
56-23-5	Carbon tetrachloride	E624	ug/kg	248								
591-78-6	2-Hexanone	E624	ug/kg	20900								
67-64-1	Acetone	E624	ug/kg	6130000								
67-66-3	Chloroform	E624	ug/kg	295								
71-43-2	Benzene	E624	ug/kg	137								
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856								
74-83-9	Bromomethane	E624	ug/kg	732								
74-87-3	Chloromethane	E624	ug/kg	11900								
74-97-5	Bromochloromethane	E624	ug/kg	NL								
75-00-3	Chloroethane	E624	ug/kg	1450000								
75-01-4	Vinyl Chloride	E624	ug/kg	59.7								
75-09-2	Methylene chloride	E624	ug/kg	10700								
75-15-0	Carbon Disulfide	E624	ug/kg	0.851								
75-25-2	Bromoform	E624	ug/kg	1310								
75-27-4	Bromodichloromethane	E624	ug/kg	273								
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310								
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780								
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700								
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400								
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000								
78-87-5	1,2-Dichloropropane	E624	ug/kg	895								
78-93-3	2-Butanone	E624	ug/kg	2780000								
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570								
79-01-6	Trichloroethene	E624	ug/kg	1600								
79-20-9	Methyl Acetate	E624	ug/kg	7820000								

				sys_loc_code:	A43		A44		A45		A46	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A43 0-6		A44 0-6		A45 0-6		A46 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/17/2009		07/17/2009		07/17/2009		07/17/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202								
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858								
95-47-6	o-Xylene	E624	ug/kg	NL								
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989								
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35								
98-82-8	Isopropylbenzene	E624	ug/kg	86								
100-01-6	4-Nitroaniline	E625	ug/kg	24300								
100-02-7	4-Nitrophenol	E625	ug/kg	NL								
100-52-7	Benzaldehyde	E625	ug/kg	782000								
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230								
105-60-2	Caprolactam	E625	ug/kg	3060000								
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29								
106-44-5	4-Methylphenol	E625	ug/kg	670								
106-47-8	4-Chloroaniline	E625	ug/kg	2430								
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570								
108-95-2	Phenol	E625	ug/kg	420								
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214								
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300								
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182								
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL								
118-74-1	Hexachlorobenzene	E625	ug/kg	20								
120-12-7	Anthracene	E625	ug/kg	46.9								
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117								
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6								
129-00-0	Pyrene	E625	ug/kg	153								
131-11-3	Dimethylphthalate	E625	ug/kg	NL								
132-64-9	Dibenzofuran	E625	ug/kg	7300								
1912-24-9	Atrazine	E625	ug/kg	6.62								
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170								
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17								
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148								
206-44-0	Fluoranthene	E625	ug/kg	113								
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240								

				sys_loc_code:	A43		A44		A45		A46	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A43 0-6		A44 0-6		A45 0-6		A46 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/17/2009		07/17/2009		07/17/2009		07/17/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
208-96-8	Acenaphthylene	E625	ug/kg	5.87								
218-01-9	Chrysene	E625	ug/kg	108								
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8								
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200								
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611								
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22								
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8								
58-90-2	Chlorophenols	E625	ug/kg	284								
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000								
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120								
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4								
67-72-1	Hexachloroethane	E625	ug/kg	804								
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL								
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139								
78-59-1	Isophorone	E625	ug/kg	511000								
83-32-9	Acenaphthene	E625	ug/kg	6.71								
84-66-2	Diethylphthalate	E625	ug/kg	218								
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160								
85-01-8	Phenanthrene	E625	ug/kg	86.7								
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800								
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100								
86-73-7	Fluorene	E625	ug/kg	19								
86-74-8	Carbazole	E625	ug/kg	NL								
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110								
87-86-5	Pentachlorophenol	E625	ug/kg	2970								
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650								
88-74-4	2-Nitroaniline	E625	ug/kg	60600								
88-75-5	2-Nitrophenol	E625	ug/kg	NL								
91-20-3	Naphthalene	E625	ug/kg	34.6								
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2								
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000								
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080								
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220								

				sys_loc_code:	A43		A44		A45		A46	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A43 0-6		A44 0-6		A45 0-6		A46 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/17/2009		07/17/2009		07/17/2009		07/17/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
95-48-7	2-Methylphenol	E625	ug/kg	306000								
95-57-8	2-Chlorophenol	E625	ug/kg	344								
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830								
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819								
98-86-2	Acetophenone	E625	ug/kg	782000								
98-95-3	Nitrobenzene	E625	ug/kg	4790								
99-09-2	3-Nitroaniline	E625	ug/kg	NL								

				sys_loc_code:	A47		A48		A49		A5	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A47 0-6		A48 0-6		A49 0-6		A5 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/17/2009		07/16/2009		07/16/2009		07/01/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	C200.7	mg/kg	7740								
7439-89-6	Iron	C200.7	mg/kg	2000								
7439-92-1	Lead	C200.7	mg/kg	30.2								
7439-95-4	Magnesium	C200.7	mg/kg	NL								
7439-96-5	Manganese	C200.7	mg/kg	183								
7440-02-0	Nickel	C200.7	mg/kg	15.9								
7440-09-7	Potassium	C200.7	mg/kg	NL								
7440-22-4	Silver	C200.7	mg/kg	0.73								
7440-23-5	Sodium	C200.7	mg/kg	NL								
7440-28-0	Thallium	C200.7	mg/kg	100000								
7440-31-5	Tin	C200.7	mg/kg	NL								
7440-36-0	Antimony	C200.7	mg/kg	2								
7440-38-2	Arsenic	C200.7	mg/kg	0.389								
7440-39-3	Barium	C200.7	mg/kg	130.1								
7440-41-7	Beryllium	C200.7	mg/kg	15.6								
7440-43-9	Cadmium	C200.7	mg/kg	0.68								
7440-47-3	Chromium	C200.7	mg/kg	52.3								
7440-48-4	Cobalt	C200.7	mg/kg	2.34								
7440-50-8	Copper	C200.7	mg/kg	18.7								
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548								
7440-66-6	Zinc	C200.7	mg/kg	124								
7440-70-2	Calcium	C200.7	mg/kg	NL								
7782-49-2	Selenium	C200.7	mg/kg	2								
7429-90-5	Aluminum	E200.7	mg/kg	7740	1050		2410		2260	J	1960	J
7439-89-6	Iron	E200.7	mg/kg	2000	12200		32900		43300	J	19100	J
7439-92-1	Lead	E200.7	mg/kg	30.2							239	
7439-95-4	Magnesium	E200.7	mg/kg	NL	611	J	730		727	J	669	
7439-96-5	Manganese	E200.7	mg/kg	183							51.9	J
7440-02-0	Nickel	E200.7	mg/kg	15.9								
7440-09-7	Potassium	E200.7	mg/kg	NL	269	J	284	J	471	UJ	229	J
7440-22-4	Silver	E200.7	mg/kg	0.73								
7440-23-5	Sodium	E200.7	mg/kg	NL	2060	J	1900		1920	J	1850	
7440-31-5	Tin	E200.7	mg/kg	NL								

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Raritan Bay Slag Superfund Site
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Data Gap Technical Memorandum
Area 1 Sediment Samples < 12 inches

				sys_loc_code:	A47		A48		A49		A5	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A47 0-6		A48 0-6		A49 0-6		A5 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/17/2009		07/16/2009		07/16/2009		07/01/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7440-36-0	Antimony	E200.7	mg/kg	2								
7440-38-2	Arsenic	E200.7	mg/kg	0.389							10	J
7440-47-3	Chromium	E200.7	mg/kg	52.3								
7440-50-8	Copper	E200.7	mg/kg	18.7							42.9	J
7440-66-6	Zinc	E200.7	mg/kg	124							49.1	
7440-70-2	Calcium	E200.7	mg/kg	NL	1540		7920		5120	J	638	U
7439-92-1	Lead	E200.8	mg/kg	30.2	38.6	J	32	J	22.8	J		
7439-96-5	Manganese	E200.8	mg/kg	183	50.3	J	72.2	J	168	J		
7440-02-0	Nickel	E200.8	mg/kg	15.9	4.5		6.1	J	8.2	J	3.3	J
7440-22-4	Silver	E200.8	mg/kg	0.73	0.32	UJ	0.29	UJ	0.27	UJ	0.31	UJ
7440-28-0	Thallium	E200.8	mg/kg	100000	0.63	U	0.57	U	0.54	U	0.63	U
7440-36-0	Antimony	E200.8	mg/kg	2	2.3		1.9		1.3		7.5	
7440-38-2	Arsenic	E200.8	mg/kg	0.389	6.3		16.4		11.2			
7440-39-3	Barium	E200.8	mg/kg	130.1	4.8	J	4.3	J	2.2	J	6.3	UJ
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.32	U	0.89		0.4		0.31	U
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.19	J	0.2	J	0.15	J	0.31	U
7440-47-3	Chromium	E200.8	mg/kg	52.3	11.6	J	41.7	J	19.3	J	8.1	
7440-48-4	Cobalt	E200.8	mg/kg	2.34	1.6	J	2.2	J	3.4	J	1.1	J
7440-50-8	Copper	E200.8	mg/kg	18.7	10.7	J	8.2		8.2			
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	19	J	118	J	47.5	J	12.1	
7440-66-6	Zinc	E200.8	mg/kg	124	46.1		50.2		61	J		
7782-49-2	Selenium	E200.8	mg/kg	2	0.3	J	0.29	J	0.54	UJ	0.63	U
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.054		0.029	J	0.036		0.048	
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6								
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357								
309-00-2	Aldrin	CPEST	ug/kg	2								
319-84-6	Alpha-Bhc	CPEST	ug/kg	3								
319-85-7	Beta-Bhc	CPEST	ug/kg	3								
319-86-8	Delta-Bhc	CPEST	ug/kg	3								
33213-65-9	Endosulfan II	CPEST	ug/kg	14								
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19								
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7								
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7								

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				sys_loc_code:	A47		A48		A49		A5	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A47 0-6		A48 0-6		A49 0-6		A5 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/17/2009		07/16/2009		07/16/2009		07/01/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL								
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32								
60-57-1	Dieldrin	CPEST	ug/kg	0.72								
72-20-8	Endrin	CPEST	ug/kg	2.67								
72-43-5	Methoxychlor	CPEST	ug/kg	29.6								
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22								
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07								
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL								
76-44-8	Heptachlor	CPEST	ug/kg	68								
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1								
959-98-8	Endosulfan I	CPEST	ug/kg	2.9								
11096-82-5	Aroclor 1260	E608	ug/kg	21.6								
11097-69-1	Aroclor 1254	E608	ug/kg	23								
11100-14-4	Aroclor 1268	E608	ug/kg	21.6								
11104-28-2	Aroclor 1221	E608	ug/kg	21.6								
11141-16-5	Aroclor 1232	E608	ug/kg	21.6								
12672-29-6	Aroclor 1248	E608	ug/kg	21.6								
12674-11-2	Aroclor 1016	E608	ug/kg	21.6								
37324-23-5	Aroclor 1262	E608	ug/kg	21.6								
53469-21-9	Aroclor 1242	E608	ug/kg	21.6								
100-41-4	Ethylbenzene	E624	ug/kg	305								
100-42-5	Styrene	E624	ug/kg	7070								
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL								
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL								
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460								
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7								
107-06-2	1,2-Dichloroethane	E624	ug/kg	432								
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000								
108-87-2	Methylcyclohexane	E624	ug/kg	NL								
108-88-3	Toluene	E624	ug/kg	1090								
108-90-7	Chlorobenzene	E624	ug/kg	162								
110-82-7	Cyclohexane	E624	ug/kg	117000								
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473								

				sys_loc_code:	A47		A48		A49		A5	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A47 0-6		A48 0-6		A49 0-6		A5 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/17/2009		07/16/2009		07/16/2009		07/01/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
123-91-1	1,4-Dioxane	E624	ug/kg	44100								
124-48-1	Dibromochloromethane	E624	ug/kg	680								
127-18-4	Tetrachloroethene	E624	ug/kg	190								
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200								
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300								
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300								
179601-23-1	m,p-Xylene	E624	ug/kg	NL								
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842								
56-23-5	Carbon tetrachloride	E624	ug/kg	248								
591-78-6	2-Hexanone	E624	ug/kg	20900								
67-64-1	Acetone	E624	ug/kg	6130000								
67-66-3	Chloroform	E624	ug/kg	295								
71-43-2	Benzene	E624	ug/kg	137								
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856								
74-83-9	Bromomethane	E624	ug/kg	732								
74-87-3	Chloromethane	E624	ug/kg	11900								
74-97-5	Bromochloromethane	E624	ug/kg	NL								
75-00-3	Chloroethane	E624	ug/kg	1450000								
75-01-4	Vinyl Chloride	E624	ug/kg	59.7								
75-09-2	Methylene chloride	E624	ug/kg	10700								
75-15-0	Carbon Disulfide	E624	ug/kg	0.851								
75-25-2	Bromoform	E624	ug/kg	1310								
75-27-4	Bromodichloromethane	E624	ug/kg	273								
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310								
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780								
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700								
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400								
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000								
78-87-5	1,2-Dichloropropane	E624	ug/kg	895								
78-93-3	2-Butanone	E624	ug/kg	2780000								
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570								
79-01-6	Trichloroethene	E624	ug/kg	1600								
79-20-9	Methyl Acetate	E624	ug/kg	7820000								

				sys_loc_code:	A47		A48		A49		A5	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A47 0-6		A48 0-6		A49 0-6		A5 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/17/2009		07/16/2009		07/16/2009		07/01/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202								
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858								
95-47-6	o-Xylene	E624	ug/kg	NL								
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989								
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35								
98-82-8	Isopropylbenzene	E624	ug/kg	86								
100-01-6	4-Nitroaniline	E625	ug/kg	24300								
100-02-7	4-Nitrophenol	E625	ug/kg	NL								
100-52-7	Benzaldehyde	E625	ug/kg	782000								
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230								
105-60-2	Caprolactam	E625	ug/kg	3060000								
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29								
106-44-5	4-Methylphenol	E625	ug/kg	670								
106-47-8	4-Chloroaniline	E625	ug/kg	2430								
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570								
108-95-2	Phenol	E625	ug/kg	420								
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214								
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300								
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182								
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL								
118-74-1	Hexachlorobenzene	E625	ug/kg	20								
120-12-7	Anthracene	E625	ug/kg	46.9								
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117								
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6								
129-00-0	Pyrene	E625	ug/kg	153								
131-11-3	Dimethylphthalate	E625	ug/kg	NL								
132-64-9	Dibenzofuran	E625	ug/kg	7300								
1912-24-9	Atrazine	E625	ug/kg	6.62								
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170								
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17								
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148								
206-44-0	Fluoranthene	E625	ug/kg	113								
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240								

				sys_loc_code:	A47		A48		A49		A5	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A47 0-6		A48 0-6		A49 0-6		A5 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/17/2009		07/16/2009		07/16/2009		07/01/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
208-96-8	Acenaphthylene	E625	ug/kg	5.87								
218-01-9	Chrysene	E625	ug/kg	108								
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8								
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200								
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611								
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22								
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8								
58-90-2	Chlorophenols	E625	ug/kg	284								
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000								
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120								
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4								
67-72-1	Hexachloroethane	E625	ug/kg	804								
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL								
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139								
78-59-1	Isophorone	E625	ug/kg	511000								
83-32-9	Acenaphthene	E625	ug/kg	6.71								
84-66-2	Diethylphthalate	E625	ug/kg	218								
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160								
85-01-8	Phenanthrene	E625	ug/kg	86.7								
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800								
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100								
86-73-7	Fluorene	E625	ug/kg	19								
86-74-8	Carbazole	E625	ug/kg	NL								
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110								
87-86-5	Pentachlorophenol	E625	ug/kg	2970								
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650								
88-74-4	2-Nitroaniline	E625	ug/kg	60600								
88-75-5	2-Nitrophenol	E625	ug/kg	NL								
91-20-3	Naphthalene	E625	ug/kg	34.6								
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2								
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000								
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080								
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220								

				sys_loc_code:	A47		A48		A49		A5	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A47 0-6		A48 0-6		A49 0-6		A5 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/17/2009		07/16/2009		07/16/2009		07/01/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
95-48-7	2-Methylphenol	E625	ug/kg	306000								
95-57-8	2-Chlorophenol	E625	ug/kg	344								
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830								
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819								
98-86-2	Acetophenone	E625	ug/kg	782000								
98-95-3	Nitrobenzene	E625	ug/kg	4790								
99-09-2	3-Nitroaniline	E625	ug/kg	NL								

				sys_loc_code:	A50		A51		A52		A53	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A50 0-6		A51 0-6		A52 0-6		A53 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/16/2009		07/16/2009		07/16/2009		07/16/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	C200.7	mg/kg	7740								
7439-89-6	Iron	C200.7	mg/kg	2000								
7439-92-1	Lead	C200.7	mg/kg	30.2								
7439-95-4	Magnesium	C200.7	mg/kg	NL								
7439-96-5	Manganese	C200.7	mg/kg	183								
7440-02-0	Nickel	C200.7	mg/kg	15.9								
7440-09-7	Potassium	C200.7	mg/kg	NL								
7440-22-4	Silver	C200.7	mg/kg	0.73								
7440-23-5	Sodium	C200.7	mg/kg	NL								
7440-28-0	Thallium	C200.7	mg/kg	100000								
7440-31-5	Tin	C200.7	mg/kg	NL								
7440-36-0	Antimony	C200.7	mg/kg	2								
7440-38-2	Arsenic	C200.7	mg/kg	0.389								
7440-39-3	Barium	C200.7	mg/kg	130.1								
7440-41-7	Beryllium	C200.7	mg/kg	15.6								
7440-43-9	Cadmium	C200.7	mg/kg	0.68								
7440-47-3	Chromium	C200.7	mg/kg	52.3								
7440-48-4	Cobalt	C200.7	mg/kg	2.34								
7440-50-8	Copper	C200.7	mg/kg	18.7								
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548								
7440-66-6	Zinc	C200.7	mg/kg	124								
7440-70-2	Calcium	C200.7	mg/kg	NL								
7782-49-2	Selenium	C200.7	mg/kg	2								
7429-90-5	Aluminum	E200.7	mg/kg	7740	2900		4030	J	1200	J	2600	
7439-89-6	Iron	E200.7	mg/kg	2000	45900		50900	J	8840	J	18900	
7439-92-1	Lead	E200.7	mg/kg	30.2								
7439-95-4	Magnesium	E200.7	mg/kg	NL	733		1330	J	783	J	1280	
7439-96-5	Manganese	E200.7	mg/kg	183								
7440-02-0	Nickel	E200.7	mg/kg	15.9								
7440-09-7	Potassium	E200.7	mg/kg	NL	602	U	631	J	577	UJ	636	J
7440-22-4	Silver	E200.7	mg/kg	0.73								
7440-23-5	Sodium	E200.7	mg/kg	NL	1830		3290	J	2900	J	2390	
7440-31-5	Tin	E200.7	mg/kg	NL								

Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 1 Sediment Samples < 12 inches

				sys_loc_code:	A50		A51		A52		A53	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A50 0-6		A51 0-6		A52 0-6		A53 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/16/2009		07/16/2009		07/16/2009		07/16/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7440-36-0	Antimony	E200.7	mg/kg	2								
7440-38-2	Arsenic	E200.7	mg/kg	0.389								
7440-47-3	Chromium	E200.7	mg/kg	52.3								
7440-50-8	Copper	E200.7	mg/kg	18.7								
7440-66-6	Zinc	E200.7	mg/kg	124								
7440-70-2	Calcium	E200.7	mg/kg	NL	1990		1130	J	9270	J	11300	
7439-92-1	Lead	E200.8	mg/kg	30.2	52	J	69.5	J	62.4	J	25.1	J
7439-96-5	Manganese	E200.8	mg/kg	183	78.5	J	49.4	J	123	J	209	
7440-02-0	Nickel	E200.8	mg/kg	15.9	7.1	J	5.3	J	2.2	J	12.4	
7440-22-4	Silver	E200.8	mg/kg	0.73	0.3	UJ	0.3	UJ	0.33	UJ	0.39	UJ
7440-28-0	Thallium	E200.8	mg/kg	100000	0.6	U	0.61	U	0.67	U	0.77	U
7440-36-0	Antimony	E200.8	mg/kg	2	3.9		3.2		2.8		1.5	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389	15.6		7.2		4.2		12.9	
7440-39-3	Barium	E200.8	mg/kg	130.1	4.5	J	5.1	J	4.5	J	11.6	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.48		0.37		0.33	U	0.53	
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.3		0.22	J	0.11	J	0.23	J
7440-47-3	Chromium	E200.8	mg/kg	52.3	27.4	J	13.2	J	7	J	18.5	J
7440-48-4	Cobalt	E200.8	mg/kg	2.34	2.4	J	2	J	1	J	4.5	
7440-50-8	Copper	E200.8	mg/kg	18.7	13.3		13.8		9.5		13.3	
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	74.5	J	25.5	J	14.5	J	31.1	J
7440-66-6	Zinc	E200.8	mg/kg	124	76.2		64	J	42.9	J	67.3	J
7782-49-2	Selenium	E200.8	mg/kg	2	0.95		0.61	UJ	0.67	U	0.69	J
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.066		0.11		0.089		0.064	
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6	0.78	J						
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357	3.9	UJ						
309-00-2	Aldrin	CPEST	ug/kg	2	2	U						
319-84-6	Alpha-Bhc	CPEST	ug/kg	3	2	U						
319-85-7	Beta-Bhc	CPEST	ug/kg	3	2	UJ						
319-86-8	Delta-Bhc	CPEST	ug/kg	3	2	U						
33213-65-9	Endosulfan II	CPEST	ug/kg	14	3.9	UJ						
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19	1.9	J						
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7	2	U						
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7	2	UJ						

				sys_loc_code:	A50		A51		A52		A53	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A50 0-6		A51 0-6		A52 0-6		A53 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/16/2009		07/16/2009		07/16/2009		07/16/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL	3.9	UJ						
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32	2	U						
60-57-1	Dieldrin	CPEST	ug/kg	0.72	3.9	U						
72-20-8	Endrin	CPEST	ug/kg	2.67	3.9	U						
72-43-5	Methoxychlor	CPEST	ug/kg	29.6	20	U						
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22	3.9	UJ						
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07	3.9	UJ						
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL	3.9	UJ						
76-44-8	Heptachlor	CPEST	ug/kg	68	2	UJ						
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1	200	U						
959-98-8	Endosulfan I	CPEST	ug/kg	2.9	2	U						
11096-82-5	Aroclor 1260	E608	ug/kg	21.6	39	U						
11097-69-1	Aroclor 1254	E608	ug/kg	23	39	U						
11100-14-4	Aroclor 1268	E608	ug/kg	21.6	39	U						
11104-28-2	Aroclor 1221	E608	ug/kg	21.6	39	U						
11141-16-5	Aroclor 1232	E608	ug/kg	21.6	39	U						
12672-29-6	Aroclor 1248	E608	ug/kg	21.6	39	U						
12674-11-2	Aroclor 1016	E608	ug/kg	21.6	39	U						
37324-23-5	Aroclor 1262	E608	ug/kg	21.6	39	U						
53469-21-9	Aroclor 1242	E608	ug/kg	21.6	39	U						
100-41-4	Ethylbenzene	E624	ug/kg	305	5.5	U						
100-42-5	Styrene	E624	ug/kg	7070	5.5	U						
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL	5.5	U						
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL	5.5	U						
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460	5.5	U						
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7	5.5	U						
107-06-2	1,2-Dichloroethane	E624	ug/kg	432	5.5	U						
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000	11	U						
108-87-2	Methylcyclohexane	E624	ug/kg	NL	5.5	U						
108-88-3	Toluene	E624	ug/kg	1090	5.5	U						
108-90-7	Chlorobenzene	E624	ug/kg	162	5.5	U						
110-82-7	Cyclohexane	E624	ug/kg	117000	5.5	U						
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473	5.5	U						

				sys_loc_code:	A50		A51		A52		A53	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A50 0-6		A51 0-6		A52 0-6		A53 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/16/2009		07/16/2009		07/16/2009		07/16/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
123-91-1	1,4-Dioxane	E624	ug/kg	44100	110	R						
124-48-1	Dibromochloromethane	E624	ug/kg	680	5.5	U						
127-18-4	Tetrachloroethene	E624	ug/kg	190	5.5	U						
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200	5.5	U						
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300	5.5	U						
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300	5.5	U						
179601-23-1	m,p-Xylene	E624	ug/kg	NL	5.5	U						
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842	5.5	U						
56-23-5	Carbon tetrachloride	E624	ug/kg	248	5.5	U						
591-78-6	2-Hexanone	E624	ug/kg	20900	11	U						
67-64-1	Acetone	E624	ug/kg	6130000	11	U						
67-66-3	Chloroform	E624	ug/kg	295	5.5	U						
71-43-2	Benzene	E624	ug/kg	137	5.5	U						
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856	5.5	U						
74-83-9	Bromomethane	E624	ug/kg	732	5.5	U						
74-87-3	Chloromethane	E624	ug/kg	11900	5.5	U						
74-97-5	Bromochloromethane	E624	ug/kg	NL	5.5	U						
75-00-3	Chloroethane	E624	ug/kg	1450000	5.5	U						
75-01-4	Vinyl Chloride	E624	ug/kg	59.7	5.5	U						
75-09-2	Methylene chloride	E624	ug/kg	10700	5.5	U						
75-15-0	Carbon Disulfide	E624	ug/kg	0.851	0.99	J						
75-25-2	Bromoform	E624	ug/kg	1310	5.5	U						
75-27-4	Bromodichloromethane	E624	ug/kg	273	5.5	U						
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310	5.5	U						
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780	5.5	U						
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700	5.5	U						
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400	5.5	U						
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000	5.5	U						
78-87-5	1,2-Dichloropropane	E624	ug/kg	895	5.5	U						
78-93-3	2-Butanone	E624	ug/kg	2780000	11	U						
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570	5.5	U						
79-01-6	Trichloroethene	E624	ug/kg	1600	5.5	U						
79-20-9	Methyl Acetate	E624	ug/kg	7820000	5.5	U						

				sys_loc_code:	A50		A51		A52		A53	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A50 0-6		A51 0-6		A52 0-6		A53 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/16/2009		07/16/2009		07/16/2009		07/16/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202	5.5	U						
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858	5.5	U						
95-47-6	o-Xylene	E624	ug/kg	NL	5.5	U						
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989	5.5	U						
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35	5.5	U						
98-82-8	Isopropylbenzene	E624	ug/kg	86	5.5	U						
100-01-6	4-Nitroaniline	E625	ug/kg	24300	390	U						
100-02-7	4-Nitrophenol	E625	ug/kg	NL	390	U						
100-52-7	Benzaldehyde	E625	ug/kg	782000	46	J						
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230	200	U						
105-60-2	Caprolactam	E625	ug/kg	3060000	200	U						
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29	200	U						
106-44-5	4-Methylphenol	E625	ug/kg	670	200	U						
106-47-8	4-Chloroaniline	E625	ug/kg	2430	200	U						
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570	200	U						
108-95-2	Phenol	E625	ug/kg	420	48	J						
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214	200	U						
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300	200	U						
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182	15	J						
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL	200	U						
118-74-1	Hexachlorobenzene	E625	ug/kg	20	200	U						
120-12-7	Anthracene	E625	ug/kg	46.9	200	U						
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117	200	U						
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6	200	U						
129-00-0	Pyrene	E625	ug/kg	153	10	J						
131-11-3	Dimethylphthalate	E625	ug/kg	NL	200	U						
132-64-9	Dibenzofuran	E625	ug/kg	7300	200	U						
1912-24-9	Atrazine	E625	ug/kg	6.62	200	U						
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170	200	U						
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17	200	U						
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148	5.9	J						
206-44-0	Fluoranthene	E625	ug/kg	113	200	U						
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240	200	U						

				sys_loc_code:	A50		A51		A52		A53	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A50 0-6		A51 0-6		A52 0-6		A53 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/16/2009		07/16/2009		07/16/2009		07/16/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
208-96-8	Acenaphthylene	E625	ug/kg	5.87	200	U						
218-01-9	Chrysene	E625	ug/kg	108	200	U						
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8	200	U						
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200	390	U						
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611	390	U						
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22	200	U						
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8	6.1	J						
58-90-2	Chlorophenols	E625	ug/kg	284	200	U						
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000	200	U						
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120	200	U						
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4	200	U						
67-72-1	Hexachloroethane	E625	ug/kg	804	200	U						
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL	200	U						
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139	200	U						
78-59-1	Isophorone	E625	ug/kg	511000	200	U						
83-32-9	Acenaphthene	E625	ug/kg	6.71	200	U						
84-66-2	Diethylphthalate	E625	ug/kg	218	200	U						
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160	200	U						
85-01-8	Phenanthrene	E625	ug/kg	86.7	6.5	J						
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800	200	U						
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100	200	U						
86-73-7	Fluorene	E625	ug/kg	19	200	U						
86-74-8	Carbazole	E625	ug/kg	NL	200	U						
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110	200	U						
87-86-5	Pentachlorophenol	E625	ug/kg	2970	390	U						
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650	200	U						
88-74-4	2-Nitroaniline	E625	ug/kg	60600	390	U						
88-75-5	2-Nitrophenol	E625	ug/kg	NL	200	U						
91-20-3	Naphthalene	E625	ug/kg	34.6	6.8	J						
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2	200	U						
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000	200	U						
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080	200	U						
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220	200	U						

				sys_loc_code:	A50		A51		A52		A53	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A50 0-6		A51 0-6		A52 0-6		A53 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/16/2009		07/16/2009		07/16/2009		07/16/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
95-48-7	2-Methylphenol	E625	ug/kg	306000	200	U						
95-57-8	2-Chlorophenol	E625	ug/kg	344	200	U						
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830	200	U						
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819	200	U						
98-86-2	Acetophenone	E625	ug/kg	782000	24	J						
98-95-3	Nitrobenzene	E625	ug/kg	4790	200	U						
99-09-2	3-Nitroaniline	E625	ug/kg	NL	390	U						

				sys_loc_code:	A54		A55		A56		A57	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A54 0-6		A55 0-6		A56 0-6		A57 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/16/2009		07/16/2009		07/16/2009		07/16/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	C200.7	mg/kg	7740								
7439-89-6	Iron	C200.7	mg/kg	2000								
7439-92-1	Lead	C200.7	mg/kg	30.2								
7439-95-4	Magnesium	C200.7	mg/kg	NL								
7439-96-5	Manganese	C200.7	mg/kg	183								
7440-02-0	Nickel	C200.7	mg/kg	15.9								
7440-09-7	Potassium	C200.7	mg/kg	NL								
7440-22-4	Silver	C200.7	mg/kg	0.73								
7440-23-5	Sodium	C200.7	mg/kg	NL								
7440-28-0	Thallium	C200.7	mg/kg	100000								
7440-31-5	Tin	C200.7	mg/kg	NL								
7440-36-0	Antimony	C200.7	mg/kg	2								
7440-38-2	Arsenic	C200.7	mg/kg	0.389								
7440-39-3	Barium	C200.7	mg/kg	130.1								
7440-41-7	Beryllium	C200.7	mg/kg	15.6								
7440-43-9	Cadmium	C200.7	mg/kg	0.68								
7440-47-3	Chromium	C200.7	mg/kg	52.3								
7440-48-4	Cobalt	C200.7	mg/kg	2.34								
7440-50-8	Copper	C200.7	mg/kg	18.7								
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548								
7440-66-6	Zinc	C200.7	mg/kg	124								
7440-70-2	Calcium	C200.7	mg/kg	NL								
7782-49-2	Selenium	C200.7	mg/kg	2								
7429-90-5	Aluminum	E200.7	mg/kg	7740	5150	J	4810	J	4300	J	1050	J
7439-89-6	Iron	E200.7	mg/kg	2000	14400	J	11600	J	13800	J	7260	J
7439-92-1	Lead	E200.7	mg/kg	30.2								
7439-95-4	Magnesium	E200.7	mg/kg	NL	2940	J	3130	J	5020	J	625	J
7439-96-5	Manganese	E200.7	mg/kg	183								
7440-02-0	Nickel	E200.7	mg/kg	15.9								
7440-09-7	Potassium	E200.7	mg/kg	NL	1300	J	1350	J	1430	J	540	UJ
7440-22-4	Silver	E200.7	mg/kg	0.73								
7440-23-5	Sodium	E200.7	mg/kg	NL	7360	J	8910	J	16400	J	2080	J
7440-31-5	Tin	E200.7	mg/kg	NL								

Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 1 Sediment Samples < 12 inches

				sys_loc_code:	A54		A55		A56		A57	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A54 0-6		A55 0-6		A56 0-6		A57 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/16/2009		07/16/2009		07/16/2009		07/16/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7440-36-0	Antimony	E200.7	mg/kg	2								
7440-38-2	Arsenic	E200.7	mg/kg	0.389								
7440-47-3	Chromium	E200.7	mg/kg	52.3								
7440-50-8	Copper	E200.7	mg/kg	18.7								
7440-66-6	Zinc	E200.7	mg/kg	124								
7440-70-2	Calcium	E200.7	mg/kg	NL	10300	J	6540	J	7330	J	4960	J
7439-92-1	Lead	E200.8	mg/kg	30.2	27.5	J	56.4	J	30	J	48.7	J
7439-96-5	Manganese	E200.8	mg/kg	183	287	J	70.5	J	105	J	77.7	J
7440-02-0	Nickel	E200.8	mg/kg	15.9	7.5	J	4.1	J	8.7	J	2.5	J
7440-22-4	Silver	E200.8	mg/kg	0.73	0.48	UJ	0.52	UJ	0.76	UJ	0.31	UJ
7440-28-0	Thallium	E200.8	mg/kg	100000	1	UJ	1	UJ	1.5	UJ	0.62	U
7440-36-0	Antimony	E200.8	mg/kg	2	1.9	UJ	2.1	J	3.1	UJ	1.5	
7440-38-2	Arsenic	E200.8	mg/kg	0.389	5.3	J	4.1	J	16.6	J	4.3	
7440-39-3	Barium	E200.8	mg/kg	130.1	9.4	J	8.8	J	12.8	J	5.3	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.48	UJ	0.52	UJ	0.76	UJ	0.31	U
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.25	J	0.15	J	0.23	J	0.13	J
7440-47-3	Chromium	E200.8	mg/kg	52.3	14	J	10.2	J	17.1	J	8	J
7440-48-4	Cobalt	E200.8	mg/kg	2.34	3.6	J	1.8	J	3.2	J	1.1	J
7440-50-8	Copper	E200.8	mg/kg	18.7	11.1	J	11.6	J	16.6	J	9.8	
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	24.8	J	14.6	J	25.4	J	12.4	J
7440-66-6	Zinc	E200.8	mg/kg	124	48.2	J	36.5	J	62.5	J	37.7	J
7782-49-2	Selenium	E200.8	mg/kg	2	0.37	J	1	UJ	0.81	J	0.62	UJ
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.061	UJ	0.063	UJ	0.099	UJ	0.1	
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6					0.45	J		
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357					10	U		
309-00-2	Aldrin	CPEST	ug/kg	2					5.4	U		
319-84-6	Alpha-Bhc	CPEST	ug/kg	3					5.4	U		
319-85-7	Beta-Bhc	CPEST	ug/kg	3					5.4	U		
319-86-8	Delta-Bhc	CPEST	ug/kg	3					5.4	U		
33213-65-9	Endosulfan II	CPEST	ug/kg	14					10	U		
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19					0.56	J		
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7					5.4	U		
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7					5.4	U		

				sys_loc_code:	A54		A55		A56		A57	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A54 0-6		A55 0-6		A56 0-6		A57 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/16/2009		07/16/2009		07/16/2009		07/16/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL					10	U		
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32					5.4	U		
60-57-1	Dieldrin	CPEST	ug/kg	0.72					10	U		
72-20-8	Endrin	CPEST	ug/kg	2.67					10	U		
72-43-5	Methoxychlor	CPEST	ug/kg	29.6					54	U		
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22					10	U		
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07					10	U		
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL					10	UJ		
76-44-8	Heptachlor	CPEST	ug/kg	68					5.4	U		
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1					540	U		
959-98-8	Endosulfan I	CPEST	ug/kg	2.9					5.4	U		
11096-82-5	Aroclor 1260	E608	ug/kg	21.6					100	U		
11097-69-1	Aroclor 1254	E608	ug/kg	23					100	U		
11100-14-4	Aroclor 1268	E608	ug/kg	21.6					100	U		
11104-28-2	Aroclor 1221	E608	ug/kg	21.6					100	U		
11141-16-5	Aroclor 1232	E608	ug/kg	21.6					100	U		
12672-29-6	Aroclor 1248	E608	ug/kg	21.6					100	U		
12674-11-2	Aroclor 1016	E608	ug/kg	21.6					100	U		
37324-23-5	Aroclor 1262	E608	ug/kg	21.6					100	U		
53469-21-9	Aroclor 1242	E608	ug/kg	21.6					100	U		
100-41-4	Ethylbenzene	E624	ug/kg	305					24	U		
100-42-5	Styrene	E624	ug/kg	7070					24	U		
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL					24	U		
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL					24	U		
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460					24	U		
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7					24	U		
107-06-2	1,2-Dichloroethane	E624	ug/kg	432					24	U		
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000					49	U		
108-87-2	Methylcyclohexane	E624	ug/kg	NL					24	U		
108-88-3	Toluene	E624	ug/kg	1090					24	U		
108-90-7	Chlorobenzene	E624	ug/kg	162					24	U		
110-82-7	Cyclohexane	E624	ug/kg	117000					24	U		
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473					24	U		

				sys_loc_code:	A54		A55		A56		A57	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A54 0-6		A55 0-6		A56 0-6		A57 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/16/2009		07/16/2009		07/16/2009		07/16/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
123-91-1	1,4-Dioxane	E624	ug/kg	44100					490	R		
124-48-1	Dibromochloromethane	E624	ug/kg	680					24	U		
127-18-4	Tetrachloroethene	E624	ug/kg	190					24	U		
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200					24	U		
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300					24	U		
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300					24	U		
179601-23-1	m,p-Xylene	E624	ug/kg	NL					24	U		
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842					24	U		
56-23-5	Carbon tetrachloride	E624	ug/kg	248					24	U		
591-78-6	2-Hexanone	E624	ug/kg	20900					49	U		
67-64-1	Acetone	E624	ug/kg	6130000					49	U		
67-66-3	Chloroform	E624	ug/kg	295					24	U		
71-43-2	Benzene	E624	ug/kg	137					24	U		
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856					24	U		
74-83-9	Bromomethane	E624	ug/kg	732					24	U		
74-87-3	Chloromethane	E624	ug/kg	11900					24	U		
74-97-5	Bromochloromethane	E624	ug/kg	NL					24	U		
75-00-3	Chloroethane	E624	ug/kg	1450000					24	U		
75-01-4	Vinyl Chloride	E624	ug/kg	59.7					24	U		
75-09-2	Methylene chloride	E624	ug/kg	10700					24	U		
75-15-0	Carbon Disulfide	E624	ug/kg	0.851					3.7	J		
75-25-2	Bromoform	E624	ug/kg	1310					24	U		
75-27-4	Bromodichloromethane	E624	ug/kg	273					24	U		
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310					24	U		
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780					24	U		
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700					24	U		
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400					24	U		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000					24	U		
78-87-5	1,2-Dichloropropane	E624	ug/kg	895					24	U		
78-93-3	2-Butanone	E624	ug/kg	2780000					49	U		
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570					24	U		
79-01-6	Trichloroethene	E624	ug/kg	1600					24	U		
79-20-9	Methyl Acetate	E624	ug/kg	7820000					24	U		

				sys_loc_code:	A54		A55		A56		A57	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A54 0-6		A55 0-6		A56 0-6		A57 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/16/2009		07/16/2009		07/16/2009		07/16/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202					24	U		
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858					24	U		
95-47-6	o-Xylene	E624	ug/kg	NL					24	U		
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989					24	U		
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35					24	U		
98-82-8	Isopropylbenzene	E624	ug/kg	86					24	U		
100-01-6	4-Nitroaniline	E625	ug/kg	24300					1000	U		
100-02-7	4-Nitrophenol	E625	ug/kg	NL					1000	U		
100-52-7	Benzaldehyde	E625	ug/kg	782000					140	J		
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230					540	U		
105-60-2	Caprolactam	E625	ug/kg	3060000					540	U		
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29					540	U		
106-44-5	4-Methylphenol	E625	ug/kg	670					540	U		
106-47-8	4-Chloroaniline	E625	ug/kg	2430					540	U		
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570					540	U		
108-95-2	Phenol	E625	ug/kg	420					73	J		
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214					540	U		
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300					540	U		
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182					38	J		
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL					540	U		
118-74-1	Hexachlorobenzene	E625	ug/kg	20					540	U		
120-12-7	Anthracene	E625	ug/kg	46.9					540	U		
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117					540	U		
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6					540	U		
129-00-0	Pyrene	E625	ug/kg	153					540	U		
131-11-3	Dimethylphthalate	E625	ug/kg	NL					540	U		
132-64-9	Dibenzofuran	E625	ug/kg	7300					540	U		
1912-24-9	Atrazine	E625	ug/kg	6.62					540	U		
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170					540	U		
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17					540	U		
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148					540	U		
206-44-0	Fluoranthene	E625	ug/kg	113					540	U		
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240					540	U		

				sys_loc_code:	A54		A55		A56		A57	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A54 0-6		A55 0-6		A56 0-6		A57 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/16/2009		07/16/2009		07/16/2009		07/16/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
208-96-8	Acenaphthylene	E625	ug/kg	5.87					540	U		
218-01-9	Chrysene	E625	ug/kg	108					540	U		
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8					540	U		
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200					1000	U		
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611					1000	U		
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22					540	U		
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8					540	U		
58-90-2	Chlorophenols	E625	ug/kg	284					540	U		
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000					540	U		
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120					540	U		
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4					540	U		
67-72-1	Hexachloroethane	E625	ug/kg	804					540	U		
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL					540	U		
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139					540	U		
78-59-1	Isophorone	E625	ug/kg	511000					540	U		
83-32-9	Acenaphthene	E625	ug/kg	6.71					540	U		
84-66-2	Diethylphthalate	E625	ug/kg	218					540	U		
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160					540	U		
85-01-8	Phenanthrene	E625	ug/kg	86.7					20	J		
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800					540	U		
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100					540	U		
86-73-7	Fluorene	E625	ug/kg	19					540	U		
86-74-8	Carbazole	E625	ug/kg	NL					540	U		
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110					540	U		
87-86-5	Pentachlorophenol	E625	ug/kg	2970					1000	U		
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650					540	U		
88-74-4	2-Nitroaniline	E625	ug/kg	60600					1000	U		
88-75-5	2-Nitrophenol	E625	ug/kg	NL					540	U		
91-20-3	Naphthalene	E625	ug/kg	34.6					18	J		
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2					540	U		
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000					540	U		
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080					540	U		
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220					540	U		

				sys_loc_code:	A54		A55		A56		A57	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A54 0-6		A55 0-6		A56 0-6		A57 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/16/2009		07/16/2009		07/16/2009		07/16/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
95-48-7	2-Methylphenol	E625	ug/kg	306000					540	U		
95-57-8	2-Chlorophenol	E625	ug/kg	344					540	U		
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830					540	U		
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819					540	U		
98-86-2	Acetophenone	E625	ug/kg	782000					61	J		
98-95-3	Nitrobenzene	E625	ug/kg	4790					540	U		
99-09-2	3-Nitroaniline	E625	ug/kg	NL					1000	U		

				sys_loc_code:	A58		A59		A6		A60	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A58 0-6		A59 0-6		A6 0-6		A60 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/16/2009		07/16/2009		07/01/2009		07/14/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	C200.7	mg/kg	7740								
7439-89-6	Iron	C200.7	mg/kg	2000								
7439-92-1	Lead	C200.7	mg/kg	30.2								
7439-95-4	Magnesium	C200.7	mg/kg	NL								
7439-96-5	Manganese	C200.7	mg/kg	183								
7440-02-0	Nickel	C200.7	mg/kg	15.9								
7440-09-7	Potassium	C200.7	mg/kg	NL								
7440-22-4	Silver	C200.7	mg/kg	0.73								
7440-23-5	Sodium	C200.7	mg/kg	NL								
7440-28-0	Thallium	C200.7	mg/kg	100000								
7440-31-5	Tin	C200.7	mg/kg	NL								
7440-36-0	Antimony	C200.7	mg/kg	2								
7440-38-2	Arsenic	C200.7	mg/kg	0.389								
7440-39-3	Barium	C200.7	mg/kg	130.1								
7440-41-7	Beryllium	C200.7	mg/kg	15.6								
7440-43-9	Cadmium	C200.7	mg/kg	0.68								
7440-47-3	Chromium	C200.7	mg/kg	52.3								
7440-48-4	Cobalt	C200.7	mg/kg	2.34								
7440-50-8	Copper	C200.7	mg/kg	18.7								
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548								
7440-66-6	Zinc	C200.7	mg/kg	124								
7440-70-2	Calcium	C200.7	mg/kg	NL								
7782-49-2	Selenium	C200.7	mg/kg	2								
7429-90-5	Aluminum	E200.7	mg/kg	7740	2200	J	1000		1840		3280	
7439-89-6	Iron	E200.7	mg/kg	2000	6820	J	15400		33800		12800	
7439-92-1	Lead	E200.7	mg/kg	30.2					523	J	23.5	
7439-95-4	Magnesium	E200.7	mg/kg	NL	447	J	260	J	578		1620	
7439-96-5	Manganese	E200.7	mg/kg	183					78	J	128	
7440-02-0	Nickel	E200.7	mg/kg	15.9								
7440-09-7	Potassium	E200.7	mg/kg	NL	557	UJ	157	J	121	J	837	
7440-22-4	Silver	E200.7	mg/kg	0.73								
7440-23-5	Sodium	E200.7	mg/kg	NL	1380	J	1030		581		2690	
7440-31-5	Tin	E200.7	mg/kg	NL								

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Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 1 Sediment Samples < 12 inches

				sys_loc_code:	A58		A59		A6		A60	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A58 0-6		A59 0-6		A6 0-6		A60 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/16/2009		07/16/2009		07/01/2009		07/14/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7440-36-0	Antimony	E200.7	mg/kg	2								
7440-38-2	Arsenic	E200.7	mg/kg	0.389					94.2		7.4	
7440-47-3	Chromium	E200.7	mg/kg	52.3								
7440-50-8	Copper	E200.7	mg/kg	18.7					48.8		9.8	
7440-66-6	Zinc	E200.7	mg/kg	124					58.9		47.6	
7440-70-2	Calcium	E200.7	mg/kg	NL	325	J	249	J	716		1510	
7439-92-1	Lead	E200.8	mg/kg	30.2	40.6	J	83	J				
7439-96-5	Manganese	E200.8	mg/kg	183	13	J	15.2					
7440-02-0	Nickel	E200.8	mg/kg	15.9	1.7	J	10.6		3.5		5	
7440-22-4	Silver	E200.8	mg/kg	0.73	0.32	UJ	0.31	UJ	0.2	UJ	0.33	UJ
7440-28-0	Thallium	E200.8	mg/kg	100000	0.63	U	0.61	U	0.4	U	0.66	U
7440-36-0	Antimony	E200.8	mg/kg	2	1.3	U	3.1		3.4		1.3	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389	3.9		8.3					
7440-39-3	Barium	E200.8	mg/kg	130.1	4.2	J	3.5	J	4	UJ	6.8	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.32	U	0.35		0.41		0.29	J
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.068	J	0.19	J	0.2	U	0.33	U
7440-47-3	Chromium	E200.8	mg/kg	52.3	8.8	J	12.5	J	19.9		9.9	J
7440-48-4	Cobalt	E200.8	mg/kg	2.34	0.76	J	7.7		1.1	J	2.3	J
7440-50-8	Copper	E200.8	mg/kg	18.7	7.6		14.2					
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	18.4	J	16.6	J	21.7		16.5	J
7440-66-6	Zinc	E200.8	mg/kg	124	21.3	J	105	J				
7782-49-2	Selenium	E200.8	mg/kg	2	0.63	UJ	0.47	J	0.4	U	0.25	J
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.044		0.026	J	0.032	U	0.079	
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6							2.6	U
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357							5	U
309-00-2	Aldrin	CPEST	ug/kg	2							2.6	U
319-84-6	Alpha-Bhc	CPEST	ug/kg	3							2.6	U
319-85-7	Beta-Bhc	CPEST	ug/kg	3							2.6	U
319-86-8	Delta-Bhc	CPEST	ug/kg	3							2.6	U
33213-65-9	Endosulfan II	CPEST	ug/kg	14							5	U
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19							5	UJ
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7							2.6	U
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7							2.6	U

				sys_loc_code:	A58		A59		A6		A60	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A58 0-6		A59 0-6		A6 0-6		A60 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/16/2009		07/16/2009		07/01/2009		07/14/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL							5	U
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32							2.6	U
60-57-1	Dieldrin	CPEST	ug/kg	0.72							5	U
72-20-8	Endrin	CPEST	ug/kg	2.67							5	U
72-43-5	Methoxychlor	CPEST	ug/kg	29.6							26	U
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22							5	U
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07							0.17	J
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL							5	U
76-44-8	Heptachlor	CPEST	ug/kg	68							2.6	U
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1							260	U
959-98-8	Endosulfan I	CPEST	ug/kg	2.9							2.6	U
11096-82-5	Aroclor 1260	E608	ug/kg	21.6							50	U
11097-69-1	Aroclor 1254	E608	ug/kg	23							50	U
11100-14-4	Aroclor 1268	E608	ug/kg	21.6							50	U
11104-28-2	Aroclor 1221	E608	ug/kg	21.6							50	U
11141-16-5	Aroclor 1232	E608	ug/kg	21.6							50	U
12672-29-6	Aroclor 1248	E608	ug/kg	21.6							50	U
12674-11-2	Aroclor 1016	E608	ug/kg	21.6							50	U
37324-23-5	Aroclor 1262	E608	ug/kg	21.6							50	U
53469-21-9	Aroclor 1242	E608	ug/kg	21.6							50	U
100-41-4	Ethylbenzene	E624	ug/kg	305							6.7	U
100-42-5	Styrene	E624	ug/kg	7070							6.7	U
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL							6.7	U
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL							6.7	U
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460							6.7	U
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7							6.7	U
107-06-2	1,2-Dichloroethane	E624	ug/kg	432							6.7	U
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000							13	U
108-87-2	Methylcyclohexane	E624	ug/kg	NL							6.7	U
108-88-3	Toluene	E624	ug/kg	1090							6.7	U
108-90-7	Chlorobenzene	E624	ug/kg	162							6.7	U
110-82-7	Cyclohexane	E624	ug/kg	117000							6.7	U
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473							6.7	U

				sys_loc_code:	A58		A59		A6		A60	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A58 0-6		A59 0-6		A6 0-6		A60 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/16/2009		07/16/2009		07/01/2009		07/14/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
123-91-1	1,4-Dioxane	E624	ug/kg	44100							130	R
124-48-1	Dibromochloromethane	E624	ug/kg	680							6.7	U
127-18-4	Tetrachloroethene	E624	ug/kg	190							6.7	U
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200							6.7	U
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300							6.7	U
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300							6.7	U
179601-23-1	m,p-Xylene	E624	ug/kg	NL							6.7	U
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842							6.7	U
56-23-5	Carbon tetrachloride	E624	ug/kg	248							6.7	U
591-78-6	2-Hexanone	E624	ug/kg	20900							13	U
67-64-1	Acetone	E624	ug/kg	6130000							13	U
67-66-3	Chloroform	E624	ug/kg	295							6.7	U
71-43-2	Benzene	E624	ug/kg	137							6.7	U
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856							6.7	U
74-83-9	Bromomethane	E624	ug/kg	732							6.7	U
74-87-3	Chloromethane	E624	ug/kg	11900							6.7	U
74-97-5	Bromochloromethane	E624	ug/kg	NL							6.7	U
75-00-3	Chloroethane	E624	ug/kg	1450000							6.7	U
75-01-4	Vinyl Chloride	E624	ug/kg	59.7							6.7	U
75-09-2	Methylene chloride	E624	ug/kg	10700							6.7	U
75-15-0	Carbon Disulfide	E624	ug/kg	0.851							6.7	U
75-25-2	Bromoform	E624	ug/kg	1310							6.7	U
75-27-4	Bromodichloromethane	E624	ug/kg	273							6.7	U
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310							6.7	U
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780							6.7	U
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700							6.7	U
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400							6.7	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000							6.7	U
78-87-5	1,2-Dichloropropane	E624	ug/kg	895							6.7	U
78-93-3	2-Butanone	E624	ug/kg	2780000							13	U
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570							6.7	U
79-01-6	Trichloroethene	E624	ug/kg	1600							6.7	U
79-20-9	Methyl Acetate	E624	ug/kg	7820000							6.7	U

				sys_loc_code:	A58		A59		A6		A60	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A58 0-6		A59 0-6		A6 0-6		A60 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/16/2009		07/16/2009		07/01/2009		07/14/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202							6.7	U
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858							6.7	U
95-47-6	o-Xylene	E624	ug/kg	NL							6.7	U
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989							6.7	U
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35							6.7	U
98-82-8	Isopropylbenzene	E624	ug/kg	86							6.7	U
100-01-6	4-Nitroaniline	E625	ug/kg	24300							500	U
100-02-7	4-Nitrophenol	E625	ug/kg	NL							500	U
100-52-7	Benzaldehyde	E625	ug/kg	782000							140	J
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230							260	U
105-60-2	Caprolactam	E625	ug/kg	3060000							260	U
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29							260	U
106-44-5	4-Methylphenol	E625	ug/kg	670							9.2	J
106-47-8	4-Chloroaniline	E625	ug/kg	2430							260	U
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570							260	U
108-95-2	Phenol	E625	ug/kg	420							110	J
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214							260	U
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300							260	U
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182							30	J
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL							260	U
118-74-1	Hexachlorobenzene	E625	ug/kg	20							260	U
120-12-7	Anthracene	E625	ug/kg	46.9							260	U
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117							260	U
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6							260	U
129-00-0	Pyrene	E625	ug/kg	153							12	J
131-11-3	Dimethylphthalate	E625	ug/kg	NL							260	U
132-64-9	Dibenzofuran	E625	ug/kg	7300							260	U
1912-24-9	Atrazine	E625	ug/kg	6.62							260	U
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170							260	U
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17							260	U
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148							9	J
206-44-0	Fluoranthene	E625	ug/kg	113							11	J
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240							260	U

				sys_loc_code:	A58		A59		A6		A60	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A58 0-6		A59 0-6		A6 0-6		A60 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/16/2009		07/16/2009		07/01/2009		07/14/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
208-96-8	Acenaphthylene	E625	ug/kg	5.87							260	U
218-01-9	Chrysene	E625	ug/kg	108							260	U
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8							260	U
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200							500	U
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611							500	U
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22							260	U
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8							11	J
58-90-2	Chlorophenols	E625	ug/kg	284							260	U
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000							260	U
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120							260	U
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4							260	U
67-72-1	Hexachloroethane	E625	ug/kg	804							260	U
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL							260	U
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139							260	U
78-59-1	Isophorone	E625	ug/kg	511000							260	U
83-32-9	Acenaphthene	E625	ug/kg	6.71							260	U
84-66-2	Diethylphthalate	E625	ug/kg	218							8.8	J
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160							12	J
85-01-8	Phenanthrene	E625	ug/kg	86.7							9.2	J
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800							260	U
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100							260	U
86-73-7	Fluorene	E625	ug/kg	19							260	U
86-74-8	Carbazole	E625	ug/kg	NL							260	U
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110							260	U
87-86-5	Pentachlorophenol	E625	ug/kg	2970							500	U
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650							260	U
88-74-4	2-Nitroaniline	E625	ug/kg	60600							500	U
88-75-5	2-Nitrophenol	E625	ug/kg	NL							260	U
91-20-3	Naphthalene	E625	ug/kg	34.6							9.8	J
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2							260	U
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000							260	U
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080							260	U
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220							260	U

				sys_loc_code:	A58		A59		A6		A60	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A58 0-6		A59 0-6		A6 0-6		A60 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/16/2009		07/16/2009		07/01/2009		07/14/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
95-48-7	2-Methylphenol	E625	ug/kg	306000							260	U
95-57-8	2-Chlorophenol	E625	ug/kg	344							260	U
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830							260	U
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819							260	U
98-86-2	Acetophenone	E625	ug/kg	782000							42	J
98-95-3	Nitrobenzene	E625	ug/kg	4790							260	U
99-09-2	3-Nitroaniline	E625	ug/kg	NL							500	U

Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 1 Sediment Samples < 12 inches

				sys_loc_code:	A61		A62		A63		A64	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A61 0-6		A62 0-6		A63 0-6		A64 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/22/2009		07/20/2009		07/20/2009		07/20/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	C200.7	mg/kg	7740								
7439-89-6	Iron	C200.7	mg/kg	2000								
7439-92-1	Lead	C200.7	mg/kg	30.2								
7439-95-4	Magnesium	C200.7	mg/kg	NL								
7439-96-5	Manganese	C200.7	mg/kg	183								
7440-02-0	Nickel	C200.7	mg/kg	15.9								
7440-09-7	Potassium	C200.7	mg/kg	NL								
7440-22-4	Silver	C200.7	mg/kg	0.73								
7440-23-5	Sodium	C200.7	mg/kg	NL								
7440-28-0	Thallium	C200.7	mg/kg	100000								
7440-31-5	Tin	C200.7	mg/kg	NL								
7440-36-0	Antimony	C200.7	mg/kg	2								
7440-38-2	Arsenic	C200.7	mg/kg	0.389								
7440-39-3	Barium	C200.7	mg/kg	130.1								
7440-41-7	Beryllium	C200.7	mg/kg	15.6								
7440-43-9	Cadmium	C200.7	mg/kg	0.68								
7440-47-3	Chromium	C200.7	mg/kg	52.3								
7440-48-4	Cobalt	C200.7	mg/kg	2.34								
7440-50-8	Copper	C200.7	mg/kg	18.7								
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548								
7440-66-6	Zinc	C200.7	mg/kg	124								
7440-70-2	Calcium	C200.7	mg/kg	NL								
7782-49-2	Selenium	C200.7	mg/kg	2								
7429-90-5	Aluminum	E200.7	mg/kg	7740	4700	J	3210	J	2390		1820	
7439-89-6	Iron	E200.7	mg/kg	2000	16600	J	13600	J	21700		10800	
7439-92-1	Lead	E200.7	mg/kg	30.2								
7439-95-4	Magnesium	E200.7	mg/kg	NL	1950	J	1240	J	977		737	
7439-96-5	Manganese	E200.7	mg/kg	183								
7440-02-0	Nickel	E200.7	mg/kg	15.9								
7440-09-7	Potassium	E200.7	mg/kg	NL	1120	J	712	J	663	U	643	U
7440-22-4	Silver	E200.7	mg/kg	0.73								
7440-23-5	Sodium	E200.7	mg/kg	NL	3070	J	2210	J	2140		1880	
7440-31-5	Tin	E200.7	mg/kg	NL								

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Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 1 Sediment Samples < 12 inches

				sys_loc_code:	A61		A62		A63		A64	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A61 0-6		A62 0-6		A63 0-6		A64 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/22/2009		07/20/2009		07/20/2009		07/20/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7440-36-0	Antimony	E200.7	mg/kg	2								
7440-38-2	Arsenic	E200.7	mg/kg	0.389								
7440-47-3	Chromium	E200.7	mg/kg	52.3								
7440-50-8	Copper	E200.7	mg/kg	18.7								
7440-66-6	Zinc	E200.7	mg/kg	124								
7440-70-2	Calcium	E200.7	mg/kg	NL	1790		1600	J	1660	J	743	J
7439-92-1	Lead	E200.8	mg/kg	30.2	28.8		30.4		32.7		52.9	
7439-96-5	Manganese	E200.8	mg/kg	183	114		61.4		154		62.7	
7440-02-0	Nickel	E200.8	mg/kg	15.9	9.1	J	5.2		9.6		8.7	
7440-22-4	Silver	E200.8	mg/kg	0.73	0.34	U	0.33	U	0.33	U	0.42	
7440-28-0	Thallium	E200.8	mg/kg	100000	0.69	U	0.67	U	0.66	U	0.64	U
7440-36-0	Antimony	E200.8	mg/kg	2	1.4	U	1.7		1.7		3.1	
7440-38-2	Arsenic	E200.8	mg/kg	0.389	18.8		9.4		40.2	J	14.3	J
7440-39-3	Barium	E200.8	mg/kg	130.1	8.9	J	6.1	J	5	J	7.3	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.42		0.23	J	0.31	J	0.28	J
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.34	U	0.33	U	0.33	U	0.42	
7440-47-3	Chromium	E200.8	mg/kg	52.3	19.6		13.5		15.3		19.5	
7440-48-4	Cobalt	E200.8	mg/kg	2.34	3.2		1.9		2.7		2.3	
7440-50-8	Copper	E200.8	mg/kg	18.7	17.8	J	15.8		15.1		25.9	
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	30.6	J	19.9	J	32.3		29.6	
7440-66-6	Zinc	E200.8	mg/kg	124	77	J	67.7		74.1	J	100	J
7782-49-2	Selenium	E200.8	mg/kg	2	0.82		0.7		1.6		1.2	
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.16		0.19		0.27	J	0.089	J
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6	0.3	J						
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357	4.5	UJ						
309-00-2	Aldrin	CPEST	ug/kg	2	2.3	U						
319-84-6	Alpha-Bhc	CPEST	ug/kg	3	2.3	U						
319-85-7	Beta-Bhc	CPEST	ug/kg	3	2.3	U						
319-86-8	Delta-Bhc	CPEST	ug/kg	3	2.3	U						
33213-65-9	Endosulfan II	CPEST	ug/kg	14	4.5	U						
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19	4.5	U						
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7	2.3	U						
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7	2.3	U						

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				sys_loc_code:	A61		A62		A63		A64	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A61 0-6		A62 0-6		A63 0-6		A64 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/22/2009		07/20/2009		07/20/2009		07/20/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL	4.5	UJ						
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32	2.3	UJ						
60-57-1	Dieldrin	CPEST	ug/kg	0.72	4.5	U						
72-20-8	Endrin	CPEST	ug/kg	2.67	4.5	U						
72-43-5	Methoxychlor	CPEST	ug/kg	29.6	23	U						
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22	4.5	UJ						
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07	0.16	J						
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL	4.5	UJ						
76-44-8	Heptachlor	CPEST	ug/kg	68	2.3	U						
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1	230	U						
959-98-8	Endosulfan I	CPEST	ug/kg	2.9	2.3	U						
11096-82-5	Aroclor 1260	E608	ug/kg	21.6	45	U						
11097-69-1	Aroclor 1254	E608	ug/kg	23	45	U						
11100-14-4	Aroclor 1268	E608	ug/kg	21.6	45	U						
11104-28-2	Aroclor 1221	E608	ug/kg	21.6	45	U						
11141-16-5	Aroclor 1232	E608	ug/kg	21.6	45	U						
12672-29-6	Aroclor 1248	E608	ug/kg	21.6	45	U						
12674-11-2	Aroclor 1016	E608	ug/kg	21.6	45	U						
37324-23-5	Aroclor 1262	E608	ug/kg	21.6	45	U						
53469-21-9	Aroclor 1242	E608	ug/kg	21.6	45	U						
100-41-4	Ethylbenzene	E624	ug/kg	305	11	U						
100-42-5	Styrene	E624	ug/kg	7070	11	U						
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL	11	U						
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL	11	U						
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460	11	U						
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7	11	U						
107-06-2	1,2-Dichloroethane	E624	ug/kg	432	11	U						
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000	21	U						
108-87-2	Methylcyclohexane	E624	ug/kg	NL	11	U						
108-88-3	Toluene	E624	ug/kg	1090	11	U						
108-90-7	Chlorobenzene	E624	ug/kg	162	11	U						
110-82-7	Cyclohexane	E624	ug/kg	117000	11	U						
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473	11	U						

				sys_loc_code:	A61		A62		A63		A64	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A61 0-6		A62 0-6		A63 0-6		A64 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/22/2009		07/20/2009		07/20/2009		07/20/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
123-91-1	1,4-Dioxane	E624	ug/kg	44100	210	R						
124-48-1	Dibromochloromethane	E624	ug/kg	680	11	U						
127-18-4	Tetrachloroethene	E624	ug/kg	190	11	U						
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200	11	U						
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300	11	U						
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300	11	U						
179601-23-1	m,p-Xylene	E624	ug/kg	NL	11	U						
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842	11	U						
56-23-5	Carbon tetrachloride	E624	ug/kg	248	11	U						
591-78-6	2-Hexanone	E624	ug/kg	20900	21	U						
67-64-1	Acetone	E624	ug/kg	6130000	21	U						
67-66-3	Chloroform	E624	ug/kg	295	11	U						
71-43-2	Benzene	E624	ug/kg	137	11	U						
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856	11	U						
74-83-9	Bromomethane	E624	ug/kg	732	11	U						
74-87-3	Chloromethane	E624	ug/kg	11900	11	U						
74-97-5	Bromochloromethane	E624	ug/kg	NL	11	U						
75-00-3	Chloroethane	E624	ug/kg	1450000	11	U						
75-01-4	Vinyl Chloride	E624	ug/kg	59.7	11	U						
75-09-2	Methylene chloride	E624	ug/kg	10700	11	U						
75-15-0	Carbon Disulfide	E624	ug/kg	0.851	9.7	J						
75-25-2	Bromoform	E624	ug/kg	1310	11	U						
75-27-4	Bromodichloromethane	E624	ug/kg	273	11	U						
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310	11	U						
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780	11	U						
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700	11	U						
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400	11	U						
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000	11	U						
78-87-5	1,2-Dichloropropane	E624	ug/kg	895	11	U						
78-93-3	2-Butanone	E624	ug/kg	2780000	21	U						
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570	11	U						
79-01-6	Trichloroethene	E624	ug/kg	1600	11	U						
79-20-9	Methyl Acetate	E624	ug/kg	7820000	11	U						

				sys_loc_code:	A61		A62		A63		A64	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A61 0-6		A62 0-6		A63 0-6		A64 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/22/2009		07/20/2009		07/20/2009		07/20/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202	11	U						
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858	11	U						
95-47-6	o-Xylene	E624	ug/kg	NL	11	U						
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989	11	U						
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35	11	U						
98-82-8	Isopropylbenzene	E624	ug/kg	86	11	U						
100-01-6	4-Nitroaniline	E625	ug/kg	24300	450	U						
100-02-7	4-Nitrophenol	E625	ug/kg	NL	450	U						
100-52-7	Benzaldehyde	E625	ug/kg	782000	33	J						
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230	230	U						
105-60-2	Caprolactam	E625	ug/kg	3060000	230	U						
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29	230	U						
106-44-5	4-Methylphenol	E625	ug/kg	670	230	U						
106-47-8	4-Chloroaniline	E625	ug/kg	2430	230	U						
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570	230	U						
108-95-2	Phenol	E625	ug/kg	420	34	J						
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214	230	U						
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300	230	U						
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182	17	J						
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL	230	U						
118-74-1	Hexachlorobenzene	E625	ug/kg	20	230	U						
120-12-7	Anthracene	E625	ug/kg	46.9	230	U						
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117	230	U						
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6	230	U						
129-00-0	Pyrene	E625	ug/kg	153	25	J						
131-11-3	Dimethylphthalate	E625	ug/kg	NL	230	U						
132-64-9	Dibenzofuran	E625	ug/kg	7300	230	U						
1912-24-9	Atrazine	E625	ug/kg	6.62	230	U						
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170	7.7	J						
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17	230	UJ						
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148	14	J						
206-44-0	Fluoranthene	E625	ug/kg	113	29	J						
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240	7.2	J						

				sys_loc_code:	A61		A62		A63		A64	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A61 0-6		A62 0-6		A63 0-6		A64 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/22/2009		07/20/2009		07/20/2009		07/20/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
208-96-8	Acenaphthylene	E625	ug/kg	5.87	230	U						
218-01-9	Chrysene	E625	ug/kg	108	12	J						
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8	16	J						
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200	450	U						
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611	450	U						
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22	230	U						
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8	16	J						
58-90-2	Chlorophenols	E625	ug/kg	284	230	U						
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000	230	U						
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120	230	U						
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4	230	U						
67-72-1	Hexachloroethane	E625	ug/kg	804	230	U						
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL	230	U						
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139	230	U						
78-59-1	Isophorone	E625	ug/kg	511000	230	U						
83-32-9	Acenaphthene	E625	ug/kg	6.71	230	U						
84-66-2	Diethylphthalate	E625	ug/kg	218	230	U						
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160	8.3	J						
85-01-8	Phenanthrene	E625	ug/kg	86.7	22	J						
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800	230	U						
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100	230	U						
86-73-7	Fluorene	E625	ug/kg	19	230	U						
86-74-8	Carbazole	E625	ug/kg	NL	230	U						
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110	230	U						
87-86-5	Pentachlorophenol	E625	ug/kg	2970	450	U						
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650	230	U						
88-74-4	2-Nitroaniline	E625	ug/kg	60600	450	U						
88-75-5	2-Nitrophenol	E625	ug/kg	NL	230	U						
91-20-3	Naphthalene	E625	ug/kg	34.6	230	U						
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2	230	U						
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000	230	U						
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080	230	U						
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220	230	U						

				sys_loc_code:	A61		A62		A63		A64	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A61 0-6		A62 0-6		A63 0-6		A64 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/22/2009		07/20/2009		07/20/2009		07/20/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
95-48-7	2-Methylphenol	E625	ug/kg	306000	230	U						
95-57-8	2-Chlorophenol	E625	ug/kg	344	230	U						
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830	230	U						
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819	230	U						
98-86-2	Acetophenone	E625	ug/kg	782000	16	J						
98-95-3	Nitrobenzene	E625	ug/kg	4790	230	U						
99-09-2	3-Nitroaniline	E625	ug/kg	NL	450	U						

Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 1 Sediment Samples < 12 inches

				sys_loc_code:	A65		A66		A67		A68	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A65 0-6		A66 0-6		A67 0-6		A68 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/20/2009		07/20/2009		07/20/2009		07/17/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	C200.7	mg/kg	7740								
7439-89-6	Iron	C200.7	mg/kg	2000								
7439-92-1	Lead	C200.7	mg/kg	30.2								
7439-95-4	Magnesium	C200.7	mg/kg	NL								
7439-96-5	Manganese	C200.7	mg/kg	183								
7440-02-0	Nickel	C200.7	mg/kg	15.9								
7440-09-7	Potassium	C200.7	mg/kg	NL								
7440-22-4	Silver	C200.7	mg/kg	0.73								
7440-23-5	Sodium	C200.7	mg/kg	NL								
7440-28-0	Thallium	C200.7	mg/kg	100000								
7440-31-5	Tin	C200.7	mg/kg	NL								
7440-36-0	Antimony	C200.7	mg/kg	2								
7440-38-2	Arsenic	C200.7	mg/kg	0.389								
7440-39-3	Barium	C200.7	mg/kg	130.1								
7440-41-7	Beryllium	C200.7	mg/kg	15.6								
7440-43-9	Cadmium	C200.7	mg/kg	0.68								
7440-47-3	Chromium	C200.7	mg/kg	52.3								
7440-48-4	Cobalt	C200.7	mg/kg	2.34								
7440-50-8	Copper	C200.7	mg/kg	18.7								
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548								
7440-66-6	Zinc	C200.7	mg/kg	124								
7440-70-2	Calcium	C200.7	mg/kg	NL								
7782-49-2	Selenium	C200.7	mg/kg	2								
7429-90-5	Aluminum	E200.7	mg/kg	7740	2600		2340		1360		9950	
7439-89-6	Iron	E200.7	mg/kg	2000	28000		28600		8350		28900	J
7439-92-1	Lead	E200.7	mg/kg	30.2								
7439-95-4	Magnesium	E200.7	mg/kg	NL	789		739		657	U	4910	
7439-96-5	Manganese	E200.7	mg/kg	183								
7440-02-0	Nickel	E200.7	mg/kg	15.9								
7440-09-7	Potassium	E200.7	mg/kg	NL	639	U	635	U	657	U	2390	
7440-22-4	Silver	E200.7	mg/kg	0.73								
7440-23-5	Sodium	E200.7	mg/kg	NL	1960		1850		2020		6430	J
7440-31-5	Tin	E200.7	mg/kg	NL								

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Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
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Area 1 Sediment Samples < 12 inches

				sys_loc_code:	A65		A66		A67		A68	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A65 0-6		A66 0-6		A67 0-6		A68 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/20/2009		07/20/2009		07/20/2009		07/17/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7440-36-0	Antimony	E200.7	mg/kg	2								
7440-38-2	Arsenic	E200.7	mg/kg	0.389								
7440-47-3	Chromium	E200.7	mg/kg	52.3								
7440-50-8	Copper	E200.7	mg/kg	18.7								
7440-66-6	Zinc	E200.7	mg/kg	124								
7440-70-2	Calcium	E200.7	mg/kg	NL	639	UJ	3230		1740	J	1820	
7439-92-1	Lead	E200.8	mg/kg	30.2	33.8		37.1		34.8		14.3	J
7439-96-5	Manganese	E200.8	mg/kg	183	44.5		36.3		39.8		219	
7440-02-0	Nickel	E200.8	mg/kg	15.9	9.7		4.3		3.7		14.9	
7440-22-4	Silver	E200.8	mg/kg	0.73	0.32	U	0.32	U	0.33	U	0.39	UJ
7440-28-0	Thallium	E200.8	mg/kg	100000	0.64	U	0.63	U	0.66	U	0.79	UJ
7440-36-0	Antimony	E200.8	mg/kg	2	2.4		2.2		1.3	U	1.4	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389	19.8	J	8.9	J	6.3	J	8.7	J
7440-39-3	Barium	E200.8	mg/kg	130.1	9.8	J	5.2	J	6.6	UJ	17.3	
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.27	J	0.2	J	0.33	U	0.69	
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.32	U	0.32	U	0.33	U	0.26	J
7440-47-3	Chromium	E200.8	mg/kg	52.3	17.7		11		9.8		21.3	
7440-48-4	Cobalt	E200.8	mg/kg	2.34	2		1.4		1.4		5.9	J
7440-50-8	Copper	E200.8	mg/kg	18.7	17.4		13.3		9.8		10.7	
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	66.3		18.8		19.4		26.7	J
7440-66-6	Zinc	E200.8	mg/kg	124	61.8	J	60.5	J	52	J	54.1	
7782-49-2	Selenium	E200.8	mg/kg	2	1.7		0.63	U	0.66	U	0.79	U
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.14	J	0.11	J	0.09	J	0.088	
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6							2.2	U
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357							4.3	U
309-00-2	Aldrin	CPEST	ug/kg	2							2.2	U
319-84-6	Alpha-Bhc	CPEST	ug/kg	3							2.2	U
319-85-7	Beta-Bhc	CPEST	ug/kg	3							2.2	U
319-86-8	Delta-Bhc	CPEST	ug/kg	3							2.2	U
33213-65-9	Endosulfan II	CPEST	ug/kg	14							4.3	U
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19							4.3	U
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7							2.2	U
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7							2.2	U

				sys_loc_code:	A65		A66		A67		A68	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A65 0-6		A66 0-6		A67 0-6		A68 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/20/2009		07/20/2009		07/20/2009		07/17/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL							0.054	J
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32							2.2	U
60-57-1	Dieldrin	CPEST	ug/kg	0.72							4.3	U
72-20-8	Endrin	CPEST	ug/kg	2.67							4.3	U
72-43-5	Methoxychlor	CPEST	ug/kg	29.6							22	U
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22							4.3	U
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07							4.3	U
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL							4.3	U
76-44-8	Heptachlor	CPEST	ug/kg	68							2.2	U
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1							220	U
959-98-8	Endosulfan I	CPEST	ug/kg	2.9							2.2	U
11096-82-5	Aroclor 1260	E608	ug/kg	21.6							43	U
11097-69-1	Aroclor 1254	E608	ug/kg	23							43	U
11100-14-4	Aroclor 1268	E608	ug/kg	21.6							43	U
11104-28-2	Aroclor 1221	E608	ug/kg	21.6							43	U
11141-16-5	Aroclor 1232	E608	ug/kg	21.6							43	U
12672-29-6	Aroclor 1248	E608	ug/kg	21.6							43	U
12674-11-2	Aroclor 1016	E608	ug/kg	21.6							43	U
37324-23-5	Aroclor 1262	E608	ug/kg	21.6							43	U
53469-21-9	Aroclor 1242	E608	ug/kg	21.6							43	U
100-41-4	Ethylbenzene	E624	ug/kg	305							9.6	U
100-42-5	Styrene	E624	ug/kg	7070							9.6	U
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL							9.6	U
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL							9.6	U
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460							9.6	U
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7							9.6	U
107-06-2	1,2-Dichloroethane	E624	ug/kg	432							9.6	U
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000							19	U
108-87-2	Methylcyclohexane	E624	ug/kg	NL							9.6	U
108-88-3	Toluene	E624	ug/kg	1090							9.6	U
108-90-7	Chlorobenzene	E624	ug/kg	162							9.6	U
110-82-7	Cyclohexane	E624	ug/kg	117000							9.6	U
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473							9.6	U

				sys_loc_code:	A65		A66		A67		A68	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A65 0-6		A66 0-6		A67 0-6		A68 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/20/2009		07/20/2009		07/20/2009		07/17/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
123-91-1	1,4-Dioxane	E624	ug/kg	44100							190	R
124-48-1	Dibromochloromethane	E624	ug/kg	680							9.6	U
127-18-4	Tetrachloroethene	E624	ug/kg	190							9.6	U
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200							9.6	U
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300							9.6	U
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300							9.6	U
179601-23-1	m,p-Xylene	E624	ug/kg	NL							9.6	U
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842							9.6	U
56-23-5	Carbon tetrachloride	E624	ug/kg	248							9.6	U
591-78-6	2-Hexanone	E624	ug/kg	20900							19	U
67-64-1	Acetone	E624	ug/kg	6130000							40	
67-66-3	Chloroform	E624	ug/kg	295							9.6	U
71-43-2	Benzene	E624	ug/kg	137							9.6	U
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856							9.6	U
74-83-9	Bromomethane	E624	ug/kg	732							9.6	U
74-87-3	Chloromethane	E624	ug/kg	11900							9.6	U
74-97-5	Bromochloromethane	E624	ug/kg	NL							9.6	U
75-00-3	Chloroethane	E624	ug/kg	1450000							9.6	U
75-01-4	Vinyl Chloride	E624	ug/kg	59.7							9.6	U
75-09-2	Methylene chloride	E624	ug/kg	10700							9.6	U
75-15-0	Carbon Disulfide	E624	ug/kg	0.851							16	
75-25-2	Bromoform	E624	ug/kg	1310							9.6	U
75-27-4	Bromodichloromethane	E624	ug/kg	273							9.6	U
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310							9.6	U
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780							9.6	U
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700							9.6	U
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400							9.6	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000							9.6	U
78-87-5	1,2-Dichloropropane	E624	ug/kg	895							9.6	U
78-93-3	2-Butanone	E624	ug/kg	2780000							19	U
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570							9.6	U
79-01-6	Trichloroethene	E624	ug/kg	1600							9.6	U
79-20-9	Methyl Acetate	E624	ug/kg	7820000							9.6	U

				sys_loc_code:	A65		A66		A67		A68	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A65 0-6		A66 0-6		A67 0-6		A68 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/20/2009		07/20/2009		07/20/2009		07/17/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202							9.6	U
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858							9.6	U
95-47-6	o-Xylene	E624	ug/kg	NL							9.6	U
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989							9.6	U
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35							9.6	U
98-82-8	Isopropylbenzene	E624	ug/kg	86							9.6	U
100-01-6	4-Nitroaniline	E625	ug/kg	24300							430	U
100-02-7	4-Nitrophenol	E625	ug/kg	NL							430	U
100-52-7	Benzaldehyde	E625	ug/kg	782000							46	J
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230							220	UJ
105-60-2	Caprolactam	E625	ug/kg	3060000							220	U
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29							220	U
106-44-5	4-Methylphenol	E625	ug/kg	670							14	J
106-47-8	4-Chloroaniline	E625	ug/kg	2430							220	U
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570							220	U
108-95-2	Phenol	E625	ug/kg	420							30	J
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214							220	U
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300							220	U
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182							12	J
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL							220	U
118-74-1	Hexachlorobenzene	E625	ug/kg	20							220	UJ
120-12-7	Anthracene	E625	ug/kg	46.9							220	U
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117							220	U
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6							220	U
129-00-0	Pyrene	E625	ug/kg	153							11	J
131-11-3	Dimethylphthalate	E625	ug/kg	NL							220	U
132-64-9	Dibenzofuran	E625	ug/kg	7300							220	U
1912-24-9	Atrazine	E625	ug/kg	6.62							220	U
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170							220	U
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17							220	U
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148							6.9	J
206-44-0	Fluoranthene	E625	ug/kg	113							10	J
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240							220	U

				sys_loc_code:	A65		A66		A67		A68	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A65 0-6		A66 0-6		A67 0-6		A68 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/20/2009		07/20/2009		07/20/2009		07/17/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
208-96-8	Acenaphthylene	E625	ug/kg	5.87							220	U
218-01-9	Chrysene	E625	ug/kg	108							220	U
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8							220	U
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200							430	U
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611							430	U
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22							220	U
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8							7.3	J
58-90-2	Chlorophenols	E625	ug/kg	284							220	U
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000							220	U
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120							220	U
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4							220	U
67-72-1	Hexachloroethane	E625	ug/kg	804							220	U
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL							220	U
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139							220	U
78-59-1	Isophorone	E625	ug/kg	511000							220	U
83-32-9	Acenaphthene	E625	ug/kg	6.71							220	U
84-66-2	Diethylphthalate	E625	ug/kg	218							8.5	J
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160							9	J
85-01-8	Phenanthrene	E625	ug/kg	86.7							6.6	J
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800							220	U
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100							220	U
86-73-7	Fluorene	E625	ug/kg	19							220	U
86-74-8	Carbazole	E625	ug/kg	NL							220	U
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110							220	U
87-86-5	Pentachlorophenol	E625	ug/kg	2970							430	U
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650							220	U
88-74-4	2-Nitroaniline	E625	ug/kg	60600							430	U
88-75-5	2-Nitrophenol	E625	ug/kg	NL							220	U
91-20-3	Naphthalene	E625	ug/kg	34.6							220	U
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2							220	U
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000							220	U
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080							220	U
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220							220	U

				sys_loc_code:	A65		A66		A67		A68	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A65 0-6		A66 0-6		A67 0-6		A68 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/20/2009		07/20/2009		07/20/2009		07/17/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
95-48-7	2-Methylphenol	E625	ug/kg	306000							220	U
95-57-8	2-Chlorophenol	E625	ug/kg	344							220	U
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830							220	U
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819							220	U
98-86-2	Acetophenone	E625	ug/kg	782000							16	J
98-95-3	Nitrobenzene	E625	ug/kg	4790							220	U
99-09-2	3-Nitroaniline	E625	ug/kg	NL							430	U

Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 1 Sediment Samples < 12 inches

				sys_loc_code:	A69		A7		A70		A71	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A69 0-6		A7 0-6		A70 0-6		A71 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/20/2009		07/01/2009		07/20/2009		07/17/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	C200.7	mg/kg	7740								
7439-89-6	Iron	C200.7	mg/kg	2000								
7439-92-1	Lead	C200.7	mg/kg	30.2								
7439-95-4	Magnesium	C200.7	mg/kg	NL								
7439-96-5	Manganese	C200.7	mg/kg	183								
7440-02-0	Nickel	C200.7	mg/kg	15.9								
7440-09-7	Potassium	C200.7	mg/kg	NL								
7440-22-4	Silver	C200.7	mg/kg	0.73								
7440-23-5	Sodium	C200.7	mg/kg	NL								
7440-28-0	Thallium	C200.7	mg/kg	100000								
7440-31-5	Tin	C200.7	mg/kg	NL								
7440-36-0	Antimony	C200.7	mg/kg	2								
7440-38-2	Arsenic	C200.7	mg/kg	0.389								
7440-39-3	Barium	C200.7	mg/kg	130.1								
7440-41-7	Beryllium	C200.7	mg/kg	15.6								
7440-43-9	Cadmium	C200.7	mg/kg	0.68								
7440-47-3	Chromium	C200.7	mg/kg	52.3								
7440-48-4	Cobalt	C200.7	mg/kg	2.34								
7440-50-8	Copper	C200.7	mg/kg	18.7								
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548								
7440-66-6	Zinc	C200.7	mg/kg	124								
7440-70-2	Calcium	C200.7	mg/kg	NL								
7782-49-2	Selenium	C200.7	mg/kg	2								
7429-90-5	Aluminum	E200.7	mg/kg	7740	1780		802		2640		1840	
7439-89-6	Iron	E200.7	mg/kg	2000	9290		14900		7140		16900	J
7439-92-1	Lead	E200.7	mg/kg	30.2			117	J				
7439-95-4	Magnesium	E200.7	mg/kg	NL	680		189	J	626	U	525	J
7439-96-5	Manganese	E200.7	mg/kg	183			45.9	J				
7440-02-0	Nickel	E200.7	mg/kg	15.9								
7440-09-7	Potassium	E200.7	mg/kg	NL	636	U	42.3	J	626	U	270	J
7440-22-4	Silver	E200.7	mg/kg	0.73								
7440-23-5	Sodium	E200.7	mg/kg	NL	1750		140	J	1190		1670	J
7440-31-5	Tin	E200.7	mg/kg	NL								

Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 1 Sediment Samples < 12 inches

				sys_loc_code:	A69		A7		A70		A71	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A69 0-6		A7 0-6		A70 0-6		A71 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/20/2009		07/01/2009		07/20/2009		07/17/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7440-36-0	Antimony	E200.7	mg/kg	2								
7440-38-2	Arsenic	E200.7	mg/kg	0.389			7.7					
7440-47-3	Chromium	E200.7	mg/kg	52.3								
7440-50-8	Copper	E200.7	mg/kg	18.7			17.8					
7440-66-6	Zinc	E200.7	mg/kg	124			30.5					
7440-70-2	Calcium	E200.7	mg/kg	NL	7090		1010		141	J	396	J
7439-92-1	Lead	E200.8	mg/kg	30.2	22.1				26.8		33.7	J
7439-96-5	Manganese	E200.8	mg/kg	183	57.1				16.1		37.8	
7440-02-0	Nickel	E200.8	mg/kg	15.9	4.2		1.7		7.4		6.8	
7440-22-4	Silver	E200.8	mg/kg	0.73	0.32	U	0.26	UJ	0.31	U	0.31	UJ
7440-28-0	Thallium	E200.8	mg/kg	100000	0.64	U	0.52	U	0.63	U	0.62	UJ
7440-36-0	Antimony	E200.8	mg/kg	2	1.3	U	7.7		1.4		1.8	
7440-38-2	Arsenic	E200.8	mg/kg	0.389	7.1	J			8.4	J	8.3	J
7440-39-3	Barium	E200.8	mg/kg	130.1	6.4	UJ	5.2	UJ	7.5	J	4.6	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.32	U	0.26	U	0.31	U	0.31	U
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.32	U	0.26	U	0.31	U	0.22	J
7440-47-3	Chromium	E200.8	mg/kg	52.3	10.4		7.1		12.6		12.1	
7440-48-4	Cobalt	E200.8	mg/kg	2.34	1.4		0.56	J	2.6		1.8	J
7440-50-8	Copper	E200.8	mg/kg	18.7	10.2				14.7		17.4	
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	19.9		13.3		27.7		18.9	J
7440-66-6	Zinc	E200.8	mg/kg	124	50.8	J			95.3	J	60.4	
7782-49-2	Selenium	E200.8	mg/kg	2	0.64	U	0.52	U	1.1		0.68	
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.11	J	0.031	U	0.091	J	0.12	
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6								
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357								
309-00-2	Aldrin	CPEST	ug/kg	2								
319-84-6	Alpha-Bhc	CPEST	ug/kg	3								
319-85-7	Beta-Bhc	CPEST	ug/kg	3								
319-86-8	Delta-Bhc	CPEST	ug/kg	3								
33213-65-9	Endosulfan II	CPEST	ug/kg	14								
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19								
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7								
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7								

				sys_loc_code:	A69		A7		A70		A71	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A69 0-6		A7 0-6		A70 0-6		A71 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/20/2009		07/01/2009		07/20/2009		07/17/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL								
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32								
60-57-1	Dieldrin	CPEST	ug/kg	0.72								
72-20-8	Endrin	CPEST	ug/kg	2.67								
72-43-5	Methoxychlor	CPEST	ug/kg	29.6								
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22								
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07								
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL								
76-44-8	Heptachlor	CPEST	ug/kg	68								
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1								
959-98-8	Endosulfan I	CPEST	ug/kg	2.9								
11096-82-5	Aroclor 1260	E608	ug/kg	21.6								
11097-69-1	Aroclor 1254	E608	ug/kg	23								
11100-14-4	Aroclor 1268	E608	ug/kg	21.6								
11104-28-2	Aroclor 1221	E608	ug/kg	21.6								
11141-16-5	Aroclor 1232	E608	ug/kg	21.6								
12672-29-6	Aroclor 1248	E608	ug/kg	21.6								
12674-11-2	Aroclor 1016	E608	ug/kg	21.6								
37324-23-5	Aroclor 1262	E608	ug/kg	21.6								
53469-21-9	Aroclor 1242	E608	ug/kg	21.6								
100-41-4	Ethylbenzene	E624	ug/kg	305								
100-42-5	Styrene	E624	ug/kg	7070								
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL								
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL								
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460								
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7								
107-06-2	1,2-Dichloroethane	E624	ug/kg	432								
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000								
108-87-2	Methylcyclohexane	E624	ug/kg	NL								
108-88-3	Toluene	E624	ug/kg	1090								
108-90-7	Chlorobenzene	E624	ug/kg	162								
110-82-7	Cyclohexane	E624	ug/kg	117000								
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473								

				sys_loc_code:	A69		A7		A70		A71	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A69 0-6		A7 0-6		A70 0-6		A71 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/20/2009		07/01/2009		07/20/2009		07/17/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
123-91-1	1,4-Dioxane	E624	ug/kg	44100								
124-48-1	Dibromochloromethane	E624	ug/kg	680								
127-18-4	Tetrachloroethene	E624	ug/kg	190								
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200								
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300								
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300								
179601-23-1	m,p-Xylene	E624	ug/kg	NL								
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842								
56-23-5	Carbon tetrachloride	E624	ug/kg	248								
591-78-6	2-Hexanone	E624	ug/kg	20900								
67-64-1	Acetone	E624	ug/kg	6130000								
67-66-3	Chloroform	E624	ug/kg	295								
71-43-2	Benzene	E624	ug/kg	137								
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856								
74-83-9	Bromomethane	E624	ug/kg	732								
74-87-3	Chloromethane	E624	ug/kg	11900								
74-97-5	Bromochloromethane	E624	ug/kg	NL								
75-00-3	Chloroethane	E624	ug/kg	1450000								
75-01-4	Vinyl Chloride	E624	ug/kg	59.7								
75-09-2	Methylene chloride	E624	ug/kg	10700								
75-15-0	Carbon Disulfide	E624	ug/kg	0.851								
75-25-2	Bromoform	E624	ug/kg	1310								
75-27-4	Bromodichloromethane	E624	ug/kg	273								
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310								
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780								
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700								
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400								
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000								
78-87-5	1,2-Dichloropropane	E624	ug/kg	895								
78-93-3	2-Butanone	E624	ug/kg	2780000								
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570								
79-01-6	Trichloroethene	E624	ug/kg	1600								
79-20-9	Methyl Acetate	E624	ug/kg	7820000								

				sys_loc_code:	A69		A7		A70		A71	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A69 0-6		A7 0-6		A70 0-6		A71 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/20/2009		07/01/2009		07/20/2009		07/17/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202								
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858								
95-47-6	o-Xylene	E624	ug/kg	NL								
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989								
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35								
98-82-8	Isopropylbenzene	E624	ug/kg	86								
100-01-6	4-Nitroaniline	E625	ug/kg	24300								
100-02-7	4-Nitrophenol	E625	ug/kg	NL								
100-52-7	Benzaldehyde	E625	ug/kg	782000								
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230								
105-60-2	Caprolactam	E625	ug/kg	3060000								
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29								
106-44-5	4-Methylphenol	E625	ug/kg	670								
106-47-8	4-Chloroaniline	E625	ug/kg	2430								
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570								
108-95-2	Phenol	E625	ug/kg	420								
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214								
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300								
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182								
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL								
118-74-1	Hexachlorobenzene	E625	ug/kg	20								
120-12-7	Anthracene	E625	ug/kg	46.9								
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117								
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6								
129-00-0	Pyrene	E625	ug/kg	153								
131-11-3	Dimethylphthalate	E625	ug/kg	NL								
132-64-9	Dibenzofuran	E625	ug/kg	7300								
1912-24-9	Atrazine	E625	ug/kg	6.62								
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170								
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17								
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148								
206-44-0	Fluoranthene	E625	ug/kg	113								
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240								

				sys_loc_code:	A69		A7		A70		A71	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A69 0-6		A7 0-6		A70 0-6		A71 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/20/2009		07/01/2009		07/20/2009		07/17/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
208-96-8	Acenaphthylene	E625	ug/kg	5.87								
218-01-9	Chrysene	E625	ug/kg	108								
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8								
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200								
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611								
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22								
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8								
58-90-2	Chlorophenols	E625	ug/kg	284								
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000								
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120								
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4								
67-72-1	Hexachloroethane	E625	ug/kg	804								
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL								
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139								
78-59-1	Isophorone	E625	ug/kg	511000								
83-32-9	Acenaphthene	E625	ug/kg	6.71								
84-66-2	Diethylphthalate	E625	ug/kg	218								
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160								
85-01-8	Phenanthrene	E625	ug/kg	86.7								
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800								
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100								
86-73-7	Fluorene	E625	ug/kg	19								
86-74-8	Carbazole	E625	ug/kg	NL								
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110								
87-86-5	Pentachlorophenol	E625	ug/kg	2970								
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650								
88-74-4	2-Nitroaniline	E625	ug/kg	60600								
88-75-5	2-Nitrophenol	E625	ug/kg	NL								
91-20-3	Naphthalene	E625	ug/kg	34.6								
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2								
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000								
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080								
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220								

				sys_loc_code:	A69		A7		A70		A71	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A69 0-6		A7 0-6		A70 0-6		A71 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/20/2009		07/01/2009		07/20/2009		07/17/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
95-48-7	2-Methylphenol	E625	ug/kg	306000								
95-57-8	2-Chlorophenol	E625	ug/kg	344								
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830								
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819								
98-86-2	Acetophenone	E625	ug/kg	782000								
98-95-3	Nitrobenzene	E625	ug/kg	4790								
99-09-2	3-Nitroaniline	E625	ug/kg	NL								

Raritan Bay Slag Superfund Site
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				sys_loc_code:	A72		A73		A74		A75	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A72 0-6		A73 0-6		A74 0-6		A75 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/17/2009		07/17/2009		07/17/2009		07/17/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	C200.7	mg/kg	7740								
7439-89-6	Iron	C200.7	mg/kg	2000								
7439-92-1	Lead	C200.7	mg/kg	30.2								
7439-95-4	Magnesium	C200.7	mg/kg	NL								
7439-96-5	Manganese	C200.7	mg/kg	183								
7440-02-0	Nickel	C200.7	mg/kg	15.9								
7440-09-7	Potassium	C200.7	mg/kg	NL								
7440-22-4	Silver	C200.7	mg/kg	0.73								
7440-23-5	Sodium	C200.7	mg/kg	NL								
7440-28-0	Thallium	C200.7	mg/kg	100000								
7440-31-5	Tin	C200.7	mg/kg	NL								
7440-36-0	Antimony	C200.7	mg/kg	2								
7440-38-2	Arsenic	C200.7	mg/kg	0.389								
7440-39-3	Barium	C200.7	mg/kg	130.1								
7440-41-7	Beryllium	C200.7	mg/kg	15.6								
7440-43-9	Cadmium	C200.7	mg/kg	0.68								
7440-47-3	Chromium	C200.7	mg/kg	52.3								
7440-48-4	Cobalt	C200.7	mg/kg	2.34								
7440-50-8	Copper	C200.7	mg/kg	18.7								
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548								
7440-66-6	Zinc	C200.7	mg/kg	124								
7440-70-2	Calcium	C200.7	mg/kg	NL								
7782-49-2	Selenium	C200.7	mg/kg	2								
7429-90-5	Aluminum	E200.7	mg/kg	7740	1090		2370		1190		1500	
7439-89-6	Iron	E200.7	mg/kg	2000	8290	J	25500	J	12900		13000	
7439-92-1	Lead	E200.7	mg/kg	30.2								
7439-95-4	Magnesium	E200.7	mg/kg	NL	613	J	844		549		618	
7439-96-5	Manganese	E200.7	mg/kg	183								
7440-02-0	Nickel	E200.7	mg/kg	15.9								
7440-09-7	Potassium	E200.7	mg/kg	NL	252	J	302	J	192	J	249	J
7440-22-4	Silver	E200.7	mg/kg	0.73								
7440-23-5	Sodium	E200.7	mg/kg	NL	2320	J	1770	J	1610	J	2030	J
7440-31-5	Tin	E200.7	mg/kg	NL								

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				sys_loc_code:	A72		A73		A74		A75	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A72 0-6		A73 0-6		A74 0-6		A75 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/17/2009		07/17/2009		07/17/2009		07/17/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7440-36-0	Antimony	E200.7	mg/kg	2								
7440-38-2	Arsenic	E200.7	mg/kg	0.389								
7440-47-3	Chromium	E200.7	mg/kg	52.3								
7440-50-8	Copper	E200.7	mg/kg	18.7								
7440-66-6	Zinc	E200.7	mg/kg	124								
7440-70-2	Calcium	E200.7	mg/kg	NL	1130		5120		5270		2130	
7439-92-1	Lead	E200.8	mg/kg	30.2	25.6	J	25.5	J	23.6		31.2	
7439-96-5	Manganese	E200.8	mg/kg	183	30.5		35.2		36		32.4	
7440-02-0	Nickel	E200.8	mg/kg	15.9	8		13.9		5.3	J	7.5	J
7440-22-4	Silver	E200.8	mg/kg	0.73	0.31	UJ	0.31	UJ	0.31	UJ	0.31	UJ
7440-28-0	Thallium	E200.8	mg/kg	100000	0.62	UJ	0.63	UJ	0.61	U	0.61	U
7440-36-0	Antimony	E200.8	mg/kg	2	1.6		2.1		1.2	U	1.6	
7440-38-2	Arsenic	E200.8	mg/kg	0.389	10.1	J	15.9	J	7.7	J	9.6	J
7440-39-3	Barium	E200.8	mg/kg	130.1	5	J	5.2	J	4	J	4.9	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.31	U	0.4		0.31	U	0.55	
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.21	J	0.41		0.15	J	0.27	J
7440-47-3	Chromium	E200.8	mg/kg	52.3	9.6		15.5		8.6	J	15.1	J
7440-48-4	Cobalt	E200.8	mg/kg	2.34	1.7	J	2.9	J	1.2	J	2.1	J
7440-50-8	Copper	E200.8	mg/kg	18.7	17.6		24.8		12.3	J	16.4	J
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	16.7	J	37	J	16.3	J	43.3	J
7440-66-6	Zinc	E200.8	mg/kg	124	61.8		101		45.8		76.9	
7782-49-2	Selenium	E200.8	mg/kg	2	1.3		2.1		0.82	J	0.65	J
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.11		0.14		0.16		0.067	
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6								
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357								
309-00-2	Aldrin	CPEST	ug/kg	2								
319-84-6	Alpha-Bhc	CPEST	ug/kg	3								
319-85-7	Beta-Bhc	CPEST	ug/kg	3								
319-86-8	Delta-Bhc	CPEST	ug/kg	3								
33213-65-9	Endosulfan II	CPEST	ug/kg	14								
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19								
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7								
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7								

Raritan Bay Slag Superfund Site
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Area 1 Sediment Samples < 12 inches

				sys_loc_code:	A72		A73		A74		A75	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A72 0-6		A73 0-6		A74 0-6		A75 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/17/2009		07/17/2009		07/17/2009		07/17/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL								
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32								
60-57-1	Dieldrin	CPEST	ug/kg	0.72								
72-20-8	Endrin	CPEST	ug/kg	2.67								
72-43-5	Methoxychlor	CPEST	ug/kg	29.6								
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22								
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07								
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL								
76-44-8	Heptachlor	CPEST	ug/kg	68								
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1								
959-98-8	Endosulfan I	CPEST	ug/kg	2.9								
11096-82-5	Aroclor 1260	E608	ug/kg	21.6								
11097-69-1	Aroclor 1254	E608	ug/kg	23								
11100-14-4	Aroclor 1268	E608	ug/kg	21.6								
11104-28-2	Aroclor 1221	E608	ug/kg	21.6								
11141-16-5	Aroclor 1232	E608	ug/kg	21.6								
12672-29-6	Aroclor 1248	E608	ug/kg	21.6								
12674-11-2	Aroclor 1016	E608	ug/kg	21.6								
37324-23-5	Aroclor 1262	E608	ug/kg	21.6								
53469-21-9	Aroclor 1242	E608	ug/kg	21.6								
100-41-4	Ethylbenzene	E624	ug/kg	305								
100-42-5	Styrene	E624	ug/kg	7070								
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL								
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL								
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460								
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7								
107-06-2	1,2-Dichloroethane	E624	ug/kg	432								
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000								
108-87-2	Methylcyclohexane	E624	ug/kg	NL								
108-88-3	Toluene	E624	ug/kg	1090								
108-90-7	Chlorobenzene	E624	ug/kg	162								
110-82-7	Cyclohexane	E624	ug/kg	117000								
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473								

				sys_loc_code:	A72		A73		A74		A75	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A72 0-6		A73 0-6		A74 0-6		A75 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/17/2009		07/17/2009		07/17/2009		07/17/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
123-91-1	1,4-Dioxane	E624	ug/kg	44100								
124-48-1	Dibromochloromethane	E624	ug/kg	680								
127-18-4	Tetrachloroethene	E624	ug/kg	190								
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200								
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300								
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300								
179601-23-1	m,p-Xylene	E624	ug/kg	NL								
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842								
56-23-5	Carbon tetrachloride	E624	ug/kg	248								
591-78-6	2-Hexanone	E624	ug/kg	20900								
67-64-1	Acetone	E624	ug/kg	6130000								
67-66-3	Chloroform	E624	ug/kg	295								
71-43-2	Benzene	E624	ug/kg	137								
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856								
74-83-9	Bromomethane	E624	ug/kg	732								
74-87-3	Chloromethane	E624	ug/kg	11900								
74-97-5	Bromochloromethane	E624	ug/kg	NL								
75-00-3	Chloroethane	E624	ug/kg	1450000								
75-01-4	Vinyl Chloride	E624	ug/kg	59.7								
75-09-2	Methylene chloride	E624	ug/kg	10700								
75-15-0	Carbon Disulfide	E624	ug/kg	0.851								
75-25-2	Bromoform	E624	ug/kg	1310								
75-27-4	Bromodichloromethane	E624	ug/kg	273								
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310								
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780								
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700								
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400								
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000								
78-87-5	1,2-Dichloropropane	E624	ug/kg	895								
78-93-3	2-Butanone	E624	ug/kg	2780000								
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570								
79-01-6	Trichloroethene	E624	ug/kg	1600								
79-20-9	Methyl Acetate	E624	ug/kg	7820000								

				sys_loc_code:	A72		A73		A74		A75	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A72 0-6		A73 0-6		A74 0-6		A75 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/17/2009		07/17/2009		07/17/2009		07/17/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202								
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858								
95-47-6	o-Xylene	E624	ug/kg	NL								
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989								
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35								
98-82-8	Isopropylbenzene	E624	ug/kg	86								
100-01-6	4-Nitroaniline	E625	ug/kg	24300								
100-02-7	4-Nitrophenol	E625	ug/kg	NL								
100-52-7	Benzaldehyde	E625	ug/kg	782000								
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230								
105-60-2	Caprolactam	E625	ug/kg	3060000								
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29								
106-44-5	4-Methylphenol	E625	ug/kg	670								
106-47-8	4-Chloroaniline	E625	ug/kg	2430								
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570								
108-95-2	Phenol	E625	ug/kg	420								
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214								
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300								
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182								
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL								
118-74-1	Hexachlorobenzene	E625	ug/kg	20								
120-12-7	Anthracene	E625	ug/kg	46.9								
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117								
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6								
129-00-0	Pyrene	E625	ug/kg	153								
131-11-3	Dimethylphthalate	E625	ug/kg	NL								
132-64-9	Dibenzofuran	E625	ug/kg	7300								
1912-24-9	Atrazine	E625	ug/kg	6.62								
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170								
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17								
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148								
206-44-0	Fluoranthene	E625	ug/kg	113								
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240								

				sys_loc_code:	A72		A73		A74		A75	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A72 0-6		A73 0-6		A74 0-6		A75 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/17/2009		07/17/2009		07/17/2009		07/17/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
208-96-8	Acenaphthylene	E625	ug/kg	5.87								
218-01-9	Chrysene	E625	ug/kg	108								
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8								
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200								
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611								
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22								
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8								
58-90-2	Chlorophenols	E625	ug/kg	284								
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000								
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120								
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4								
67-72-1	Hexachloroethane	E625	ug/kg	804								
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL								
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139								
78-59-1	Isophorone	E625	ug/kg	511000								
83-32-9	Acenaphthene	E625	ug/kg	6.71								
84-66-2	Diethylphthalate	E625	ug/kg	218								
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160								
85-01-8	Phenanthrene	E625	ug/kg	86.7								
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800								
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100								
86-73-7	Fluorene	E625	ug/kg	19								
86-74-8	Carbazole	E625	ug/kg	NL								
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110								
87-86-5	Pentachlorophenol	E625	ug/kg	2970								
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650								
88-74-4	2-Nitroaniline	E625	ug/kg	60600								
88-75-5	2-Nitrophenol	E625	ug/kg	NL								
91-20-3	Naphthalene	E625	ug/kg	34.6								
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2								
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000								
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080								
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220								

				sys_loc_code:	A72		A73		A74		A75	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A72 0-6		A73 0-6		A74 0-6		A75 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/17/2009		07/17/2009		07/17/2009		07/17/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
95-48-7	2-Methylphenol	E625	ug/kg	306000								
95-57-8	2-Chlorophenol	E625	ug/kg	344								
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830								
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819								
98-86-2	Acetophenone	E625	ug/kg	782000								
98-95-3	Nitrobenzene	E625	ug/kg	4790								
99-09-2	3-Nitroaniline	E625	ug/kg	NL								

				sys_loc_code:	A76		A77		A78		A79	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A76 0-6		A77 0-6		A78 0-6		A79 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/17/2009		07/17/2009		07/17/2009		07/17/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	C200.7	mg/kg	7740								
7439-89-6	Iron	C200.7	mg/kg	2000								
7439-92-1	Lead	C200.7	mg/kg	30.2								
7439-95-4	Magnesium	C200.7	mg/kg	NL								
7439-96-5	Manganese	C200.7	mg/kg	183								
7440-02-0	Nickel	C200.7	mg/kg	15.9								
7440-09-7	Potassium	C200.7	mg/kg	NL								
7440-22-4	Silver	C200.7	mg/kg	0.73								
7440-23-5	Sodium	C200.7	mg/kg	NL								
7440-28-0	Thallium	C200.7	mg/kg	100000								
7440-31-5	Tin	C200.7	mg/kg	NL								
7440-36-0	Antimony	C200.7	mg/kg	2								
7440-38-2	Arsenic	C200.7	mg/kg	0.389								
7440-39-3	Barium	C200.7	mg/kg	130.1								
7440-41-7	Beryllium	C200.7	mg/kg	15.6								
7440-43-9	Cadmium	C200.7	mg/kg	0.68								
7440-47-3	Chromium	C200.7	mg/kg	52.3								
7440-48-4	Cobalt	C200.7	mg/kg	2.34								
7440-50-8	Copper	C200.7	mg/kg	18.7								
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548								
7440-66-6	Zinc	C200.7	mg/kg	124								
7440-70-2	Calcium	C200.7	mg/kg	NL								
7782-49-2	Selenium	C200.7	mg/kg	2								
7429-90-5	Aluminum	E200.7	mg/kg	7740	1470		1270		725		1580	
7439-89-6	Iron	E200.7	mg/kg	2000	14200		2750		5960		9890	
7439-92-1	Lead	E200.7	mg/kg	30.2								
7439-95-4	Magnesium	E200.7	mg/kg	NL	609		482	J	451	J	209	J
7439-96-5	Manganese	E200.7	mg/kg	183								
7440-02-0	Nickel	E200.7	mg/kg	15.9								
7440-09-7	Potassium	E200.7	mg/kg	NL	213	J	436	J	190	J	116	J
7440-22-4	Silver	E200.7	mg/kg	0.73								
7440-23-5	Sodium	E200.7	mg/kg	NL	1940	J	1860	J	1970	J	621	UJ
7440-31-5	Tin	E200.7	mg/kg	NL								

Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 1 Sediment Samples < 12 inches

				sys_loc_code:	A76		A77		A78		A79	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A76 0-6		A77 0-6		A78 0-6		A79 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/17/2009		07/17/2009		07/17/2009		07/17/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7440-36-0	Antimony	E200.7	mg/kg	2								
7440-38-2	Arsenic	E200.7	mg/kg	0.389								
7440-47-3	Chromium	E200.7	mg/kg	52.3								
7440-50-8	Copper	E200.7	mg/kg	18.7								
7440-66-6	Zinc	E200.7	mg/kg	124								
7440-70-2	Calcium	E200.7	mg/kg	NL	1340		1150		1960		273	J
7439-92-1	Lead	E200.8	mg/kg	30.2	28		24.7		100		76.3	
7439-96-5	Manganese	E200.8	mg/kg	183	22.6		16.3		19.9		12	
7440-02-0	Nickel	E200.8	mg/kg	15.9	3.6	J	3.8	J	1.8	J	2.3	J
7440-22-4	Silver	E200.8	mg/kg	0.73	0.31	UJ	0.31	UJ	0.33	UJ	0.31	UJ
7440-28-0	Thallium	E200.8	mg/kg	100000	0.62	U	0.63	U	0.66	U	0.62	U
7440-36-0	Antimony	E200.8	mg/kg	2	1.2	U	1.3	U	4.6		3.3	
7440-38-2	Arsenic	E200.8	mg/kg	0.389	6.3	J	3.2	J	3.3	J	5.7	J
7440-39-3	Barium	E200.8	mg/kg	130.1	4.1	J	5.2	J	3.7	J	3.5	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.35		0.31	U	0.33	U	0.33	
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.12	J	0.15	J	0.11	J	0.087	J
7440-47-3	Chromium	E200.8	mg/kg	52.3	9.5	J	5.1	J	6.4	J	10.5	J
7440-48-4	Cobalt	E200.8	mg/kg	2.34	1.5	J	2.4	J	0.86	J	1.1	J
7440-50-8	Copper	E200.8	mg/kg	18.7	8.8	J	8.3	J	10.9	J	12.8	J
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	18.3	J	14.1	J	12.3	J	17.6	J
7440-66-6	Zinc	E200.8	mg/kg	124	40.7		45		33.7		29.4	
7782-49-2	Selenium	E200.8	mg/kg	2	0.45	J	0.14	J	0.14	J	0.28	J
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.061		0.048		0.039	J	0.032	J
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6								
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357								
309-00-2	Aldrin	CPEST	ug/kg	2								
319-84-6	Alpha-Bhc	CPEST	ug/kg	3								
319-85-7	Beta-Bhc	CPEST	ug/kg	3								
319-86-8	Delta-Bhc	CPEST	ug/kg	3								
33213-65-9	Endosulfan II	CPEST	ug/kg	14								
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19								
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7								
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7								

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				sys_loc_code:	A76		A77		A78		A79	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A76 0-6		A77 0-6		A78 0-6		A79 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/17/2009		07/17/2009		07/17/2009		07/17/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL								
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32								
60-57-1	Dieldrin	CPEST	ug/kg	0.72								
72-20-8	Endrin	CPEST	ug/kg	2.67								
72-43-5	Methoxychlor	CPEST	ug/kg	29.6								
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22								
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07								
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL								
76-44-8	Heptachlor	CPEST	ug/kg	68								
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1								
959-98-8	Endosulfan I	CPEST	ug/kg	2.9								
11096-82-5	Aroclor 1260	E608	ug/kg	21.6								
11097-69-1	Aroclor 1254	E608	ug/kg	23								
11100-14-4	Aroclor 1268	E608	ug/kg	21.6								
11104-28-2	Aroclor 1221	E608	ug/kg	21.6								
11141-16-5	Aroclor 1232	E608	ug/kg	21.6								
12672-29-6	Aroclor 1248	E608	ug/kg	21.6								
12674-11-2	Aroclor 1016	E608	ug/kg	21.6								
37324-23-5	Aroclor 1262	E608	ug/kg	21.6								
53469-21-9	Aroclor 1242	E608	ug/kg	21.6								
100-41-4	Ethylbenzene	E624	ug/kg	305								
100-42-5	Styrene	E624	ug/kg	7070								
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL								
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL								
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460								
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7								
107-06-2	1,2-Dichloroethane	E624	ug/kg	432								
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000								
108-87-2	Methylcyclohexane	E624	ug/kg	NL								
108-88-3	Toluene	E624	ug/kg	1090								
108-90-7	Chlorobenzene	E624	ug/kg	162								
110-82-7	Cyclohexane	E624	ug/kg	117000								
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473								

				sys_loc_code:	A76		A77		A78		A79	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A76 0-6		A77 0-6		A78 0-6		A79 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/17/2009		07/17/2009		07/17/2009		07/17/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
123-91-1	1,4-Dioxane	E624	ug/kg	44100								
124-48-1	Dibromochloromethane	E624	ug/kg	680								
127-18-4	Tetrachloroethene	E624	ug/kg	190								
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200								
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300								
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300								
179601-23-1	m,p-Xylene	E624	ug/kg	NL								
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842								
56-23-5	Carbon tetrachloride	E624	ug/kg	248								
591-78-6	2-Hexanone	E624	ug/kg	20900								
67-64-1	Acetone	E624	ug/kg	6130000								
67-66-3	Chloroform	E624	ug/kg	295								
71-43-2	Benzene	E624	ug/kg	137								
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856								
74-83-9	Bromomethane	E624	ug/kg	732								
74-87-3	Chloromethane	E624	ug/kg	11900								
74-97-5	Bromochloromethane	E624	ug/kg	NL								
75-00-3	Chloroethane	E624	ug/kg	1450000								
75-01-4	Vinyl Chloride	E624	ug/kg	59.7								
75-09-2	Methylene chloride	E624	ug/kg	10700								
75-15-0	Carbon Disulfide	E624	ug/kg	0.851								
75-25-2	Bromoform	E624	ug/kg	1310								
75-27-4	Bromodichloromethane	E624	ug/kg	273								
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310								
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780								
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700								
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400								
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000								
78-87-5	1,2-Dichloropropane	E624	ug/kg	895								
78-93-3	2-Butanone	E624	ug/kg	2780000								
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570								
79-01-6	Trichloroethene	E624	ug/kg	1600								
79-20-9	Methyl Acetate	E624	ug/kg	7820000								

				sys_loc_code:	A76		A77		A78		A79	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A76 0-6		A77 0-6		A78 0-6		A79 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/17/2009		07/17/2009		07/17/2009		07/17/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202								
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858								
95-47-6	o-Xylene	E624	ug/kg	NL								
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989								
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35								
98-82-8	Isopropylbenzene	E624	ug/kg	86								
100-01-6	4-Nitroaniline	E625	ug/kg	24300								
100-02-7	4-Nitrophenol	E625	ug/kg	NL								
100-52-7	Benzaldehyde	E625	ug/kg	782000								
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230								
105-60-2	Caprolactam	E625	ug/kg	3060000								
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29								
106-44-5	4-Methylphenol	E625	ug/kg	670								
106-47-8	4-Chloroaniline	E625	ug/kg	2430								
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570								
108-95-2	Phenol	E625	ug/kg	420								
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214								
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300								
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182								
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL								
118-74-1	Hexachlorobenzene	E625	ug/kg	20								
120-12-7	Anthracene	E625	ug/kg	46.9								
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117								
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6								
129-00-0	Pyrene	E625	ug/kg	153								
131-11-3	Dimethylphthalate	E625	ug/kg	NL								
132-64-9	Dibenzofuran	E625	ug/kg	7300								
1912-24-9	Atrazine	E625	ug/kg	6.62								
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170								
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17								
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148								
206-44-0	Fluoranthene	E625	ug/kg	113								
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240								

				sys_loc_code:	A76		A77		A78		A79	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A76 0-6		A77 0-6		A78 0-6		A79 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/17/2009		07/17/2009		07/17/2009		07/17/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
208-96-8	Acenaphthylene	E625	ug/kg	5.87								
218-01-9	Chrysene	E625	ug/kg	108								
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8								
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200								
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611								
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22								
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8								
58-90-2	Chlorophenols	E625	ug/kg	284								
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000								
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120								
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4								
67-72-1	Hexachloroethane	E625	ug/kg	804								
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL								
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139								
78-59-1	Isophorone	E625	ug/kg	511000								
83-32-9	Acenaphthene	E625	ug/kg	6.71								
84-66-2	Diethylphthalate	E625	ug/kg	218								
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160								
85-01-8	Phenanthrene	E625	ug/kg	86.7								
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800								
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100								
86-73-7	Fluorene	E625	ug/kg	19								
86-74-8	Carbazole	E625	ug/kg	NL								
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110								
87-86-5	Pentachlorophenol	E625	ug/kg	2970								
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650								
88-74-4	2-Nitroaniline	E625	ug/kg	60600								
88-75-5	2-Nitrophenol	E625	ug/kg	NL								
91-20-3	Naphthalene	E625	ug/kg	34.6								
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2								
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000								
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080								
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220								

				sys_loc_code:	A76		A77		A78		A79	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A76 0-6		A77 0-6		A78 0-6		A79 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/17/2009		07/17/2009		07/17/2009		07/17/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
95-48-7	2-Methylphenol	E625	ug/kg	306000								
95-57-8	2-Chlorophenol	E625	ug/kg	344								
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830								
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819								
98-86-2	Acetophenone	E625	ug/kg	782000								
98-95-3	Nitrobenzene	E625	ug/kg	4790								
99-09-2	3-Nitroaniline	E625	ug/kg	NL								

				sys_loc_code:	A8		A8		A80		A81	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A8 0-6		A8 0-6		A80 0-6		A81 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/01/2009		07/01/2009		07/17/2009		07/20/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	C200.7	mg/kg	7740								
7439-89-6	Iron	C200.7	mg/kg	2000								
7439-92-1	Lead	C200.7	mg/kg	30.2								
7439-95-4	Magnesium	C200.7	mg/kg	NL								
7439-96-5	Manganese	C200.7	mg/kg	183								
7440-02-0	Nickel	C200.7	mg/kg	15.9								
7440-09-7	Potassium	C200.7	mg/kg	NL								
7440-22-4	Silver	C200.7	mg/kg	0.73								
7440-23-5	Sodium	C200.7	mg/kg	NL								
7440-28-0	Thallium	C200.7	mg/kg	100000								
7440-31-5	Tin	C200.7	mg/kg	NL								
7440-36-0	Antimony	C200.7	mg/kg	2								
7440-38-2	Arsenic	C200.7	mg/kg	0.389								
7440-39-3	Barium	C200.7	mg/kg	130.1								
7440-41-7	Beryllium	C200.7	mg/kg	15.6								
7440-43-9	Cadmium	C200.7	mg/kg	0.68								
7440-47-3	Chromium	C200.7	mg/kg	52.3								
7440-48-4	Cobalt	C200.7	mg/kg	2.34								
7440-50-8	Copper	C200.7	mg/kg	18.7								
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548								
7440-66-6	Zinc	C200.7	mg/kg	124								
7440-70-2	Calcium	C200.7	mg/kg	NL								
7782-49-2	Selenium	C200.7	mg/kg	2								
7429-90-5	Aluminum	E200.7	mg/kg	7740	1000				1670		6550	J
7439-89-6	Iron	E200.7	mg/kg	2000	20600				15800		20600	J
7439-92-1	Lead	E200.7	mg/kg	30.2	50.1	R						
7439-95-4	Magnesium	E200.7	mg/kg	NL	450	J			313	J	2660	J
7439-96-5	Manganese	E200.7	mg/kg	183	59.7	J						
7440-02-0	Nickel	E200.7	mg/kg	15.9								
7440-09-7	Potassium	E200.7	mg/kg	NL	134	J			252	J	1550	
7440-22-4	Silver	E200.7	mg/kg	0.73								
7440-23-5	Sodium	E200.7	mg/kg	NL	1750				757	J	3470	J
7440-31-5	Tin	E200.7	mg/kg	NL								

Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 1 Sediment Samples < 12 inches

				sys_loc_code:	A8		A8		A80		A81	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A8 0-6		A8 0-6		A80 0-6		A81 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/01/2009		07/01/2009		07/17/2009		07/20/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7440-36-0	Antimony	E200.7	mg/kg	2								
7440-38-2	Arsenic	E200.7	mg/kg	0.389	4.6							
7440-47-3	Chromium	E200.7	mg/kg	52.3								
7440-50-8	Copper	E200.7	mg/kg	18.7	5.6	J						
7440-66-6	Zinc	E200.7	mg/kg	124	44.3							
7440-70-2	Calcium	E200.7	mg/kg	NL	732				247	J	1530	
7439-92-1	Lead	E200.8	mg/kg	30.2					127		19.4	
7439-96-5	Manganese	E200.8	mg/kg	183					24.6		169	
7440-02-0	Nickel	E200.8	mg/kg	15.9	1.7	J			3.1	J	12.3	
7440-22-4	Silver	E200.8	mg/kg	0.73	0.26	UJ			0.29	UJ	0.36	UJ
7440-28-0	Thallium	E200.8	mg/kg	100000	0.52	U			0.58	U	0.72	U
7440-36-0	Antimony	E200.8	mg/kg	2	1	U			6.2		1.4	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389					6	J	15.4	J
7440-39-3	Barium	E200.8	mg/kg	130.1	5.2	UJ			11.9		10.6	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.26	U			0.39		0.45	
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.26	U			0.082	J	0.36	U
7440-47-3	Chromium	E200.8	mg/kg	52.3	4.8				7.6	J	20.8	
7440-48-4	Cobalt	E200.8	mg/kg	2.34	0.72	J			1.1	J	4.2	
7440-50-8	Copper	E200.8	mg/kg	18.7					17.5	J	15	
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	10.4				14.5	J	31.1	J
7440-66-6	Zinc	E200.8	mg/kg	124					25.3		79.4	
7782-49-2	Selenium	E200.8	mg/kg	2	0.52	U			0.31	J	1.1	
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.035	J			0.054		0.16	
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6			0.082	J	2.2	U		
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357			4	U	4.3	U		
309-00-2	Aldrin	CPEST	ug/kg	2			2.1	U	2.2	U		
319-84-6	Alpha-Bhc	CPEST	ug/kg	3			2.1	U	2.2	U		
319-85-7	Beta-Bhc	CPEST	ug/kg	3			2.1	U	2.2	U		
319-86-8	Delta-Bhc	CPEST	ug/kg	3			2.1	U	2.2	U		
33213-65-9	Endosulfan II	CPEST	ug/kg	14			4	U	4.3	U		
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19			4	U	4.3	U		
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7			2.1	U	2.2	U		
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7			2.1	U	2.2	U		

				sys_loc_code:	A8		A8		A80		A81	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A8 0-6		A8 0-6		A80 0-6		A81 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/01/2009		07/01/2009		07/17/2009		07/20/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL			4	U	0.071	J		
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32			2.1	U	2.2	U		
60-57-1	Dieldrin	CPEST	ug/kg	0.72			4	U	4.3	U		
72-20-8	Endrin	CPEST	ug/kg	2.67			4	U	4.3	U		
72-43-5	Methoxychlor	CPEST	ug/kg	29.6			21	U	22	U		
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22			4	U	4.3	U		
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07			4	U	4.3	U		
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL			4	U	4.3	U		
76-44-8	Heptachlor	CPEST	ug/kg	68			2.1	U	0.15	J		
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1			210	U	220	U		
959-98-8	Endosulfan I	CPEST	ug/kg	2.9			2.1	U	2.2	U		
11096-82-5	Aroclor 1260	E608	ug/kg	21.6			40	U	43	U		
11097-69-1	Aroclor 1254	E608	ug/kg	23			40	U	43	U		
11100-14-4	Aroclor 1268	E608	ug/kg	21.6			40	U	43	U		
11104-28-2	Aroclor 1221	E608	ug/kg	21.6			40	U	43	U		
11141-16-5	Aroclor 1232	E608	ug/kg	21.6			40	U	43	U		
12672-29-6	Aroclor 1248	E608	ug/kg	21.6			40	U	43	U		
12674-11-2	Aroclor 1016	E608	ug/kg	21.6			40	U	43	U		
37324-23-5	Aroclor 1262	E608	ug/kg	21.6			40	U	43	U		
53469-21-9	Aroclor 1242	E608	ug/kg	21.6			40	U	43	U		
100-41-4	Ethylbenzene	E624	ug/kg	305			5.5	U	5.9	U		
100-42-5	Styrene	E624	ug/kg	7070			5.5	U	5.9	U		
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL			5.5	U	5.9	U		
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL			5.5	U	5.9	U		
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460			5.5	U	5.9	U		
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7			5.5	U	5.9	U		
107-06-2	1,2-Dichloroethane	E624	ug/kg	432			5.5	U	5.9	U		
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000			11	U	12	U		
108-87-2	Methylcyclohexane	E624	ug/kg	NL			5.5	U	5.9	U		
108-88-3	Toluene	E624	ug/kg	1090			5.5	U	5.9	U		
108-90-7	Chlorobenzene	E624	ug/kg	162			5.5	U	5.9	U		
110-82-7	Cyclohexane	E624	ug/kg	117000			5.5	U	5.9	U		
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473			5.5	U	5.9	U		

				sys_loc_code:	A8		A8		A80		A81	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A8 0-6		A8 0-6		A80 0-6		A81 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/01/2009		07/01/2009		07/17/2009		07/20/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
123-91-1	1,4-Dioxane	E624	ug/kg	44100			110	R	120	R		
124-48-1	Dibromochloromethane	E624	ug/kg	680			5.5	U	5.9	U		
127-18-4	Tetrachloroethene	E624	ug/kg	190			5.5	U	5.9	U		
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200			5.5	U	5.9	U		
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300			5.5	U	5.9	U		
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300			5.5	U	5.9	U		
179601-23-1	m,p-Xylene	E624	ug/kg	NL			5.5	U	5.9	U		
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842			5.5	U	5.9	U		
56-23-5	Carbon tetrachloride	E624	ug/kg	248			5.5	U	5.9	U		
591-78-6	2-Hexanone	E624	ug/kg	20900			11	U	12	U		
67-64-1	Acetone	E624	ug/kg	6130000			11	U	12	U		
67-66-3	Chloroform	E624	ug/kg	295			5.5	U	5.9	U		
71-43-2	Benzene	E624	ug/kg	137			5.5	U	5.9	U		
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856			5.5	U	5.9	U		
74-83-9	Bromomethane	E624	ug/kg	732			5.5	U	5.9	U		
74-87-3	Chloromethane	E624	ug/kg	11900			5.5	U	5.9	U		
74-97-5	Bromochloromethane	E624	ug/kg	NL			5.5	U	5.9	U		
75-00-3	Chloroethane	E624	ug/kg	1450000			5.5	U	5.9	U		
75-01-4	Vinyl Chloride	E624	ug/kg	59.7			5.5	U	5.9	U		
75-09-2	Methylene chloride	E624	ug/kg	10700			5.5	U	5.9	U		
75-15-0	Carbon Disulfide	E624	ug/kg	0.851			0.42	J	5.9	U		
75-25-2	Bromoform	E624	ug/kg	1310			5.5	U	5.9	U		
75-27-4	Bromodichloromethane	E624	ug/kg	273			5.5	U	5.9	U		
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310			5.5	U	5.9	U		
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780			5.5	U	5.9	U		
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700			5.5	U	5.9	U		
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400			5.5	U	5.9	U		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000			5.5	U	5.9	U		
78-87-5	1,2-Dichloropropane	E624	ug/kg	895			5.5	U	5.9	U		
78-93-3	2-Butanone	E624	ug/kg	2780000			11	U	12	U		
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570			5.5	U	5.9	U		
79-01-6	Trichloroethene	E624	ug/kg	1600			5.5	U	5.9	U		
79-20-9	Methyl Acetate	E624	ug/kg	7820000			5.5	U	5.9	U		

				sys_loc_code:	A8		A8		A80		A81	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A8 0-6		A8 0-6		A80 0-6		A81 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/01/2009		07/01/2009		07/17/2009		07/20/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202			5.5	U	5.9	U		
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858			5.5	U	5.9	U		
95-47-6	o-Xylene	E624	ug/kg	NL			5.5	U	5.9	U		
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989			5.5	U	5.9	U		
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35			5.5	U	5.9	U		
98-82-8	Isopropylbenzene	E624	ug/kg	86			5.5	U	5.9	U		
100-01-6	4-Nitroaniline	E625	ug/kg	24300			400	U	430	U		
100-02-7	4-Nitrophenol	E625	ug/kg	NL			400	U	430	U		
100-52-7	Benzaldehyde	E625	ug/kg	782000			85	J	51	J		
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230			210	U	220	UJ		
105-60-2	Caprolactam	E625	ug/kg	3060000			210	U	220	U		
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29			210	U	220	U		
106-44-5	4-Methylphenol	E625	ug/kg	670			210	U	6.8	J		
106-47-8	4-Chloroaniline	E625	ug/kg	2430			210	U	220	U		
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570			210	U	220	U		
108-95-2	Phenol	E625	ug/kg	420			210	U	21	J		
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214			210	U	220	U		
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300			210	U	220	U		
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182			23	J	20	J		
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL			210	U	220	U		
118-74-1	Hexachlorobenzene	E625	ug/kg	20			210	U	220	UJ		
120-12-7	Anthracene	E625	ug/kg	46.9			210	U	220	U		
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117			210	U	220	U		
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6			210	U	220	U		
129-00-0	Pyrene	E625	ug/kg	153			210	U	20	J		
131-11-3	Dimethylphthalate	E625	ug/kg	NL			210	U	220	U		
132-64-9	Dibenzofuran	E625	ug/kg	7300			210	U	220	U		
1912-24-9	Atrazine	E625	ug/kg	6.62			210	U	220	U		
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170			210	U	6.8	J		
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17			210	U	220	U		
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148			210	U	12	J		
206-44-0	Fluoranthene	E625	ug/kg	113			210	UJ	18	J		
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240			210	U	220	U		

				sys_loc_code:	A8		A8		A80		A81	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A8 0-6		A8 0-6		A80 0-6		A81 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/01/2009		07/01/2009		07/17/2009		07/20/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
208-96-8	Acenaphthylene	E625	ug/kg	5.87			210	U	220	U		
218-01-9	Chrysene	E625	ug/kg	108			210	U	9.7	J		
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8			210	U	8.7	J		
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200			400	U	430	U		
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611			400	U	430	U		
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22			210	U	220	U		
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8			210	U	12	J		
58-90-2	Chlorophenols	E625	ug/kg	284			210	U	220	U		
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000			210	U	220	U		
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120			210	U	220	U		
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4			210	U	220	U		
67-72-1	Hexachloroethane	E625	ug/kg	804			210	U	220	U		
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL			210	U	220	U		
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139			210	U	220	U		
78-59-1	Isophorone	E625	ug/kg	511000			210	U	220	U		
83-32-9	Acenaphthene	E625	ug/kg	6.71			210	U	220	U		
84-66-2	Diethylphthalate	E625	ug/kg	218			210	U	13	J		
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160			210	U	11	J		
85-01-8	Phenanthrene	E625	ug/kg	86.7			210	U	11	J		
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800			210	U	7	J		
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100			210	U	220	U		
86-73-7	Fluorene	E625	ug/kg	19			210	UJ	220	U		
86-74-8	Carbazole	E625	ug/kg	NL			210	U	220	U		
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110			210	U	220	U		
87-86-5	Pentachlorophenol	E625	ug/kg	2970			400	U	430	U		
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650			210	U	220	U		
88-74-4	2-Nitroaniline	E625	ug/kg	60600			400	U	430	U		
88-75-5	2-Nitrophenol	E625	ug/kg	NL			210	U	220	U		
91-20-3	Naphthalene	E625	ug/kg	34.6			7.8	J	220	U		
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2			210	U	220	U		
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000			210	U	220	U		
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080			210	U	220	U		
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220			210	U	220	U		

				sys_loc_code:	A8		A8		A80		A81	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A8 0-6		A8 0-6		A80 0-6		A81 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/01/2009		07/01/2009		07/17/2009		07/20/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
95-48-7	2-Methylphenol	E625	ug/kg	306000			210	U	220	U		
95-57-8	2-Chlorophenol	E625	ug/kg	344			210	U	220	U		
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830			210	U	220	U		
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819			210	U	220	U		
98-86-2	Acetophenone	E625	ug/kg	782000			30	J	21	J		
98-95-3	Nitrobenzene	E625	ug/kg	4790			210	U	220	U		
99-09-2	3-Nitroaniline	E625	ug/kg	NL			400	U	430	U		

				sys_loc_code:	A82		A83		A84		A85	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A82 0-6		A83 0-6		A84 0-6		A85 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/20/2009		07/20/2009		07/20/2009		07/20/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	C200.7	mg/kg	7740								
7439-89-6	Iron	C200.7	mg/kg	2000								
7439-92-1	Lead	C200.7	mg/kg	30.2								
7439-95-4	Magnesium	C200.7	mg/kg	NL								
7439-96-5	Manganese	C200.7	mg/kg	183								
7440-02-0	Nickel	C200.7	mg/kg	15.9								
7440-09-7	Potassium	C200.7	mg/kg	NL								
7440-22-4	Silver	C200.7	mg/kg	0.73								
7440-23-5	Sodium	C200.7	mg/kg	NL								
7440-28-0	Thallium	C200.7	mg/kg	100000								
7440-31-5	Tin	C200.7	mg/kg	NL								
7440-36-0	Antimony	C200.7	mg/kg	2								
7440-38-2	Arsenic	C200.7	mg/kg	0.389								
7440-39-3	Barium	C200.7	mg/kg	130.1								
7440-41-7	Beryllium	C200.7	mg/kg	15.6								
7440-43-9	Cadmium	C200.7	mg/kg	0.68								
7440-47-3	Chromium	C200.7	mg/kg	52.3								
7440-48-4	Cobalt	C200.7	mg/kg	2.34								
7440-50-8	Copper	C200.7	mg/kg	18.7								
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548								
7440-66-6	Zinc	C200.7	mg/kg	124								
7440-70-2	Calcium	C200.7	mg/kg	NL								
7782-49-2	Selenium	C200.7	mg/kg	2								
7429-90-5	Aluminum	E200.7	mg/kg	7740	2000	J	4630	J	1320	J	1720	J
7439-89-6	Iron	E200.7	mg/kg	2000	12600		16300		8390		9910	
7439-92-1	Lead	E200.7	mg/kg	30.2								
7439-95-4	Magnesium	E200.7	mg/kg	NL	860		1940		572	J	650	
7439-96-5	Manganese	E200.7	mg/kg	183								
7440-02-0	Nickel	E200.7	mg/kg	15.9								
7440-09-7	Potassium	E200.7	mg/kg	NL	649	U	1090		624	U	590	U
7440-22-4	Silver	E200.7	mg/kg	0.73								
7440-23-5	Sodium	E200.7	mg/kg	NL	2000		3660		1790		1700	
7440-31-5	Tin	E200.7	mg/kg	NL								

				sys_loc_code:	A82		A83		A84		A85	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A82 0-6		A83 0-6		A84 0-6		A85 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/20/2009		07/20/2009		07/20/2009		07/20/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7440-36-0	Antimony	E200.7	mg/kg	2								
7440-38-2	Arsenic	E200.7	mg/kg	0.389								
7440-47-3	Chromium	E200.7	mg/kg	52.3								
7440-50-8	Copper	E200.7	mg/kg	18.7								
7440-66-6	Zinc	E200.7	mg/kg	124								
7440-70-2	Calcium	E200.7	mg/kg	NL	3500		4900		9290		5410	
7439-92-1	Lead	E200.8	mg/kg	30.2	16.5		16.3	J	22.8	J	20.4	
7439-96-5	Manganese	E200.8	mg/kg	183	38		97.5	J	33.3	J	46	
7440-02-0	Nickel	E200.8	mg/kg	15.9	6	J	7.8	J	4.7	J	4.2	J
7440-22-4	Silver	E200.8	mg/kg	0.73	0.32	U	0.37	UJ	0.31	UJ	0.29	U
7440-28-0	Thallium	E200.8	mg/kg	100000	0.65	U	0.74	UJ	0.62	UJ	0.59	U
7440-36-0	Antimony	E200.8	mg/kg	2	1.3	U	1.5	UJ	1.2	UJ	1.2	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389	12.1		7.7	J	6.5	J	5.9	
7440-39-3	Barium	E200.8	mg/kg	130.1	3.9	J	8.2	J	3.3	J	3.5	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.24	J	0.35	J	0.2	J	0.19	J
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.23	J	0.13	J	0.14	J	0.15	J
7440-47-3	Chromium	E200.8	mg/kg	52.3	13.1		11.8	J	8.6	J	14.8	
7440-48-4	Cobalt	E200.8	mg/kg	2.34	1.6		2.9	J	1.5	J	1.7	
7440-50-8	Copper	E200.8	mg/kg	18.7	13.8		9.1	J	11.9	J	9.6	
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	22.1	J	18.3	J	15.3	J	19.4	J
7440-66-6	Zinc	E200.8	mg/kg	124	72.8	J	44.5	J	48.2	J	52.1	J
7782-49-2	Selenium	E200.8	mg/kg	2	0.73		0.53	J	0.58	J	0.49	J
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.2		0.083	J	0.13	J	0.17	
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6								
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357								
309-00-2	Aldrin	CPEST	ug/kg	2								
319-84-6	Alpha-Bhc	CPEST	ug/kg	3								
319-85-7	Beta-Bhc	CPEST	ug/kg	3								
319-86-8	Delta-Bhc	CPEST	ug/kg	3								
33213-65-9	Endosulfan II	CPEST	ug/kg	14								
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19								
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7								
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7								

				sys_loc_code:	A82		A83		A84		A85	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A82 0-6		A83 0-6		A84 0-6		A85 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/20/2009		07/20/2009		07/20/2009		07/20/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL								
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32								
60-57-1	Dieldrin	CPEST	ug/kg	0.72								
72-20-8	Endrin	CPEST	ug/kg	2.67								
72-43-5	Methoxychlor	CPEST	ug/kg	29.6								
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22								
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07								
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL								
76-44-8	Heptachlor	CPEST	ug/kg	68								
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1								
959-98-8	Endosulfan I	CPEST	ug/kg	2.9								
11096-82-5	Aroclor 1260	E608	ug/kg	21.6								
11097-69-1	Aroclor 1254	E608	ug/kg	23								
11100-14-4	Aroclor 1268	E608	ug/kg	21.6								
11104-28-2	Aroclor 1221	E608	ug/kg	21.6								
11141-16-5	Aroclor 1232	E608	ug/kg	21.6								
12672-29-6	Aroclor 1248	E608	ug/kg	21.6								
12674-11-2	Aroclor 1016	E608	ug/kg	21.6								
37324-23-5	Aroclor 1262	E608	ug/kg	21.6								
53469-21-9	Aroclor 1242	E608	ug/kg	21.6								
100-41-4	Ethylbenzene	E624	ug/kg	305								
100-42-5	Styrene	E624	ug/kg	7070								
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL								
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL								
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460								
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7								
107-06-2	1,2-Dichloroethane	E624	ug/kg	432								
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000								
108-87-2	Methylcyclohexane	E624	ug/kg	NL								
108-88-3	Toluene	E624	ug/kg	1090								
108-90-7	Chlorobenzene	E624	ug/kg	162								
110-82-7	Cyclohexane	E624	ug/kg	117000								
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473								

				sys_loc_code:	A82		A83		A84		A85	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A82 0-6		A83 0-6		A84 0-6		A85 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/20/2009		07/20/2009		07/20/2009		07/20/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
123-91-1	1,4-Dioxane	E624	ug/kg	44100								
124-48-1	Dibromochloromethane	E624	ug/kg	680								
127-18-4	Tetrachloroethene	E624	ug/kg	190								
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200								
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300								
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300								
179601-23-1	m,p-Xylene	E624	ug/kg	NL								
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842								
56-23-5	Carbon tetrachloride	E624	ug/kg	248								
591-78-6	2-Hexanone	E624	ug/kg	20900								
67-64-1	Acetone	E624	ug/kg	6130000								
67-66-3	Chloroform	E624	ug/kg	295								
71-43-2	Benzene	E624	ug/kg	137								
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856								
74-83-9	Bromomethane	E624	ug/kg	732								
74-87-3	Chloromethane	E624	ug/kg	11900								
74-97-5	Bromochloromethane	E624	ug/kg	NL								
75-00-3	Chloroethane	E624	ug/kg	1450000								
75-01-4	Vinyl Chloride	E624	ug/kg	59.7								
75-09-2	Methylene chloride	E624	ug/kg	10700								
75-15-0	Carbon Disulfide	E624	ug/kg	0.851								
75-25-2	Bromoform	E624	ug/kg	1310								
75-27-4	Bromodichloromethane	E624	ug/kg	273								
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310								
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780								
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700								
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400								
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000								
78-87-5	1,2-Dichloropropane	E624	ug/kg	895								
78-93-3	2-Butanone	E624	ug/kg	2780000								
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570								
79-01-6	Trichloroethene	E624	ug/kg	1600								
79-20-9	Methyl Acetate	E624	ug/kg	7820000								

				sys_loc_code:	A82		A83		A84		A85	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A82 0-6		A83 0-6		A84 0-6		A85 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/20/2009		07/20/2009		07/20/2009		07/20/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202								
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858								
95-47-6	o-Xylene	E624	ug/kg	NL								
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989								
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35								
98-82-8	Isopropylbenzene	E624	ug/kg	86								
100-01-6	4-Nitroaniline	E625	ug/kg	24300								
100-02-7	4-Nitrophenol	E625	ug/kg	NL								
100-52-7	Benzaldehyde	E625	ug/kg	782000								
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230								
105-60-2	Caprolactam	E625	ug/kg	3060000								
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29								
106-44-5	4-Methylphenol	E625	ug/kg	670								
106-47-8	4-Chloroaniline	E625	ug/kg	2430								
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570								
108-95-2	Phenol	E625	ug/kg	420								
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214								
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300								
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182								
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL								
118-74-1	Hexachlorobenzene	E625	ug/kg	20								
120-12-7	Anthracene	E625	ug/kg	46.9								
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117								
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6								
129-00-0	Pyrene	E625	ug/kg	153								
131-11-3	Dimethylphthalate	E625	ug/kg	NL								
132-64-9	Dibenzofuran	E625	ug/kg	7300								
1912-24-9	Atrazine	E625	ug/kg	6.62								
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170								
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17								
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148								
206-44-0	Fluoranthene	E625	ug/kg	113								
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240								

				sys_loc_code:	A82		A83		A84		A85	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A82 0-6		A83 0-6		A84 0-6		A85 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/20/2009		07/20/2009		07/20/2009		07/20/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
208-96-8	Acenaphthylene	E625	ug/kg	5.87								
218-01-9	Chrysene	E625	ug/kg	108								
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8								
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200								
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611								
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22								
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8								
58-90-2	Chlorophenols	E625	ug/kg	284								
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000								
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120								
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4								
67-72-1	Hexachloroethane	E625	ug/kg	804								
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL								
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139								
78-59-1	Isophorone	E625	ug/kg	511000								
83-32-9	Acenaphthene	E625	ug/kg	6.71								
84-66-2	Diethylphthalate	E625	ug/kg	218								
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160								
85-01-8	Phenanthrene	E625	ug/kg	86.7								
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800								
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100								
86-73-7	Fluorene	E625	ug/kg	19								
86-74-8	Carbazole	E625	ug/kg	NL								
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110								
87-86-5	Pentachlorophenol	E625	ug/kg	2970								
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650								
88-74-4	2-Nitroaniline	E625	ug/kg	60600								
88-75-5	2-Nitrophenol	E625	ug/kg	NL								
91-20-3	Naphthalene	E625	ug/kg	34.6								
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2								
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000								
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080								
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220								

				sys_loc_code:	A82		A83		A84		A85	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A82 0-6		A83 0-6		A84 0-6		A85 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/20/2009		07/20/2009		07/20/2009		07/20/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
95-48-7	2-Methylphenol	E625	ug/kg	306000								
95-57-8	2-Chlorophenol	E625	ug/kg	344								
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830								
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819								
98-86-2	Acetophenone	E625	ug/kg	782000								
98-95-3	Nitrobenzene	E625	ug/kg	4790								
99-09-2	3-Nitroaniline	E625	ug/kg	NL								

				sys_loc_code:	A86		A87		A88		A89	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A86 0-6		A87 0-6		A88 0-6		A89 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/20/2009		07/20/2009		07/20/2009		07/20/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	C200.7	mg/kg	7740								
7439-89-6	Iron	C200.7	mg/kg	2000								
7439-92-1	Lead	C200.7	mg/kg	30.2								
7439-95-4	Magnesium	C200.7	mg/kg	NL								
7439-96-5	Manganese	C200.7	mg/kg	183								
7440-02-0	Nickel	C200.7	mg/kg	15.9								
7440-09-7	Potassium	C200.7	mg/kg	NL								
7440-22-4	Silver	C200.7	mg/kg	0.73								
7440-23-5	Sodium	C200.7	mg/kg	NL								
7440-28-0	Thallium	C200.7	mg/kg	100000								
7440-31-5	Tin	C200.7	mg/kg	NL								
7440-36-0	Antimony	C200.7	mg/kg	2								
7440-38-2	Arsenic	C200.7	mg/kg	0.389								
7440-39-3	Barium	C200.7	mg/kg	130.1								
7440-41-7	Beryllium	C200.7	mg/kg	15.6								
7440-43-9	Cadmium	C200.7	mg/kg	0.68								
7440-47-3	Chromium	C200.7	mg/kg	52.3								
7440-48-4	Cobalt	C200.7	mg/kg	2.34								
7440-50-8	Copper	C200.7	mg/kg	18.7								
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548								
7440-66-6	Zinc	C200.7	mg/kg	124								
7440-70-2	Calcium	C200.7	mg/kg	NL								
7782-49-2	Selenium	C200.7	mg/kg	2								
7429-90-5	Aluminum	E200.7	mg/kg	7740	1320	J	1260	J	1920	J	2580	J
7439-89-6	Iron	E200.7	mg/kg	2000	9000		8840		4380	J	16900	J
7439-92-1	Lead	E200.7	mg/kg	30.2								
7439-95-4	Magnesium	E200.7	mg/kg	NL	541	J	474	J	451	J	665	
7439-96-5	Manganese	E200.7	mg/kg	183								
7440-02-0	Nickel	E200.7	mg/kg	15.9								
7440-09-7	Potassium	E200.7	mg/kg	NL	627	U	642	U	248	J	381	J
7440-22-4	Silver	E200.7	mg/kg	0.73								
7440-23-5	Sodium	E200.7	mg/kg	NL	1770		2000		1540	J	1920	J
7440-31-5	Tin	E200.7	mg/kg	NL								

Raritan Bay Slag Superfund Site
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				sys_loc_code:	A86		A87		A88		A89	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A86 0-6		A87 0-6		A88 0-6		A89 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/20/2009		07/20/2009		07/20/2009		07/20/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7440-36-0	Antimony	E200.7	mg/kg	2								
7440-38-2	Arsenic	E200.7	mg/kg	0.389								
7440-47-3	Chromium	E200.7	mg/kg	52.3								
7440-50-8	Copper	E200.7	mg/kg	18.7								
7440-66-6	Zinc	E200.7	mg/kg	124								
7440-70-2	Calcium	E200.7	mg/kg	NL	2770		9810		1180		5290	
7439-92-1	Lead	E200.8	mg/kg	30.2	18.9		21.5		10.2		20.2	
7439-96-5	Manganese	E200.8	mg/kg	183	36		27.9		27		36	
7440-02-0	Nickel	E200.8	mg/kg	15.9	9.9	J	2.9	J	6	J	5.7	J
7440-22-4	Silver	E200.8	mg/kg	0.73	0.31	U	0.32	U	0.31	U	0.32	U
7440-28-0	Thallium	E200.8	mg/kg	100000	0.63	U	0.64	U	0.62	U	0.64	U
7440-36-0	Antimony	E200.8	mg/kg	2	1.2	U	1.3	U	1.2	U	1.3	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389	12.8		4.8		7.2	J	9.1	J
7440-39-3	Barium	E200.8	mg/kg	130.1	3.7	J	5.3	J	5.1	J	3.5	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.32		0.21	J	0.46		0.36	
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.26	J	0.13	J	0.15	J	0.23	J
7440-47-3	Chromium	E200.8	mg/kg	52.3	11.5		8.3		10.3		11.8	
7440-48-4	Cobalt	E200.8	mg/kg	2.34	2.1		1.3		1.5		1.6	
7440-50-8	Copper	E200.8	mg/kg	18.7	17.1		9.5		6.8		11.2	
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	23.2	J	15.6	J	21.3	J	22.5	J
7440-66-6	Zinc	E200.8	mg/kg	124	70.7	J	44.7	J	42		61.6	
7782-49-2	Selenium	E200.8	mg/kg	2	1.6		0.48	J	0.57	J	0.81	
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.12		0.089		0.046	J	0.12	J
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6								
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357								
309-00-2	Aldrin	CPEST	ug/kg	2								
319-84-6	Alpha-Bhc	CPEST	ug/kg	3								
319-85-7	Beta-Bhc	CPEST	ug/kg	3								
319-86-8	Delta-Bhc	CPEST	ug/kg	3								
33213-65-9	Endosulfan II	CPEST	ug/kg	14								
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19								
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7								
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7								

				sys_loc_code:	A86		A87		A88		A89	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A86 0-6		A87 0-6		A88 0-6		A89 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/20/2009		07/20/2009		07/20/2009		07/20/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL								
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32								
60-57-1	Dieldrin	CPEST	ug/kg	0.72								
72-20-8	Endrin	CPEST	ug/kg	2.67								
72-43-5	Methoxychlor	CPEST	ug/kg	29.6								
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22								
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07								
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL								
76-44-8	Heptachlor	CPEST	ug/kg	68								
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1								
959-98-8	Endosulfan I	CPEST	ug/kg	2.9								
11096-82-5	Aroclor 1260	E608	ug/kg	21.6								
11097-69-1	Aroclor 1254	E608	ug/kg	23								
11100-14-4	Aroclor 1268	E608	ug/kg	21.6								
11104-28-2	Aroclor 1221	E608	ug/kg	21.6								
11141-16-5	Aroclor 1232	E608	ug/kg	21.6								
12672-29-6	Aroclor 1248	E608	ug/kg	21.6								
12674-11-2	Aroclor 1016	E608	ug/kg	21.6								
37324-23-5	Aroclor 1262	E608	ug/kg	21.6								
53469-21-9	Aroclor 1242	E608	ug/kg	21.6								
100-41-4	Ethylbenzene	E624	ug/kg	305								
100-42-5	Styrene	E624	ug/kg	7070								
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL								
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL								
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460								
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7								
107-06-2	1,2-Dichloroethane	E624	ug/kg	432								
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000								
108-87-2	Methylcyclohexane	E624	ug/kg	NL								
108-88-3	Toluene	E624	ug/kg	1090								
108-90-7	Chlorobenzene	E624	ug/kg	162								
110-82-7	Cyclohexane	E624	ug/kg	117000								
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473								

				sys_loc_code:	A86		A87		A88		A89	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A86 0-6		A87 0-6		A88 0-6		A89 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/20/2009		07/20/2009		07/20/2009		07/20/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
123-91-1	1,4-Dioxane	E624	ug/kg	44100								
124-48-1	Dibromochloromethane	E624	ug/kg	680								
127-18-4	Tetrachloroethene	E624	ug/kg	190								
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200								
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300								
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300								
179601-23-1	m,p-Xylene	E624	ug/kg	NL								
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842								
56-23-5	Carbon tetrachloride	E624	ug/kg	248								
591-78-6	2-Hexanone	E624	ug/kg	20900								
67-64-1	Acetone	E624	ug/kg	6130000								
67-66-3	Chloroform	E624	ug/kg	295								
71-43-2	Benzene	E624	ug/kg	137								
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856								
74-83-9	Bromomethane	E624	ug/kg	732								
74-87-3	Chloromethane	E624	ug/kg	11900								
74-97-5	Bromochloromethane	E624	ug/kg	NL								
75-00-3	Chloroethane	E624	ug/kg	1450000								
75-01-4	Vinyl Chloride	E624	ug/kg	59.7								
75-09-2	Methylene chloride	E624	ug/kg	10700								
75-15-0	Carbon Disulfide	E624	ug/kg	0.851								
75-25-2	Bromoform	E624	ug/kg	1310								
75-27-4	Bromodichloromethane	E624	ug/kg	273								
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310								
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780								
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700								
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400								
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000								
78-87-5	1,2-Dichloropropane	E624	ug/kg	895								
78-93-3	2-Butanone	E624	ug/kg	2780000								
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570								
79-01-6	Trichloroethene	E624	ug/kg	1600								
79-20-9	Methyl Acetate	E624	ug/kg	7820000								

				sys_loc_code:	A86		A87		A88		A89	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A86 0-6		A87 0-6		A88 0-6		A89 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/20/2009		07/20/2009		07/20/2009		07/20/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202								
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858								
95-47-6	o-Xylene	E624	ug/kg	NL								
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989								
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35								
98-82-8	Isopropylbenzene	E624	ug/kg	86								
100-01-6	4-Nitroaniline	E625	ug/kg	24300								
100-02-7	4-Nitrophenol	E625	ug/kg	NL								
100-52-7	Benzaldehyde	E625	ug/kg	782000								
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230								
105-60-2	Caprolactam	E625	ug/kg	3060000								
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29								
106-44-5	4-Methylphenol	E625	ug/kg	670								
106-47-8	4-Chloroaniline	E625	ug/kg	2430								
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570								
108-95-2	Phenol	E625	ug/kg	420								
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214								
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300								
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182								
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL								
118-74-1	Hexachlorobenzene	E625	ug/kg	20								
120-12-7	Anthracene	E625	ug/kg	46.9								
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117								
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6								
129-00-0	Pyrene	E625	ug/kg	153								
131-11-3	Dimethylphthalate	E625	ug/kg	NL								
132-64-9	Dibenzofuran	E625	ug/kg	7300								
1912-24-9	Atrazine	E625	ug/kg	6.62								
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170								
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17								
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148								
206-44-0	Fluoranthene	E625	ug/kg	113								
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240								

				sys_loc_code:	A86		A87		A88		A89	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A86 0-6		A87 0-6		A88 0-6		A89 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/20/2009		07/20/2009		07/20/2009		07/20/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
208-96-8	Acenaphthylene	E625	ug/kg	5.87								
218-01-9	Chrysene	E625	ug/kg	108								
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8								
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200								
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611								
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22								
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8								
58-90-2	Chlorophenols	E625	ug/kg	284								
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000								
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120								
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4								
67-72-1	Hexachloroethane	E625	ug/kg	804								
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL								
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139								
78-59-1	Isophorone	E625	ug/kg	511000								
83-32-9	Acenaphthene	E625	ug/kg	6.71								
84-66-2	Diethylphthalate	E625	ug/kg	218								
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160								
85-01-8	Phenanthrene	E625	ug/kg	86.7								
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800								
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100								
86-73-7	Fluorene	E625	ug/kg	19								
86-74-8	Carbazole	E625	ug/kg	NL								
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110								
87-86-5	Pentachlorophenol	E625	ug/kg	2970								
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650								
88-74-4	2-Nitroaniline	E625	ug/kg	60600								
88-75-5	2-Nitrophenol	E625	ug/kg	NL								
91-20-3	Naphthalene	E625	ug/kg	34.6								
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2								
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000								
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080								
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220								

				sys_loc_code:	A86		A87		A88		A89	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A86 0-6		A87 0-6		A88 0-6		A89 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/20/2009		07/20/2009		07/20/2009		07/20/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
95-48-7	2-Methylphenol	E625	ug/kg	306000								
95-57-8	2-Chlorophenol	E625	ug/kg	344								
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830								
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819								
98-86-2	Acetophenone	E625	ug/kg	782000								
98-95-3	Nitrobenzene	E625	ug/kg	4790								
99-09-2	3-Nitroaniline	E625	ug/kg	NL								

Raritan Bay Slag Superfund Site
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Area 1 Sediment Samples < 12 inches

				sys_loc_code:	A9		A90		A91		A92	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A9 0-6		A90 0-6		A91 0-6		A92 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/01/2009		07/20/2009		07/20/2009		07/17/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	C200.7	mg/kg	7740								
7439-89-6	Iron	C200.7	mg/kg	2000								
7439-92-1	Lead	C200.7	mg/kg	30.2								
7439-95-4	Magnesium	C200.7	mg/kg	NL								
7439-96-5	Manganese	C200.7	mg/kg	183								
7440-02-0	Nickel	C200.7	mg/kg	15.9								
7440-09-7	Potassium	C200.7	mg/kg	NL								
7440-22-4	Silver	C200.7	mg/kg	0.73								
7440-23-5	Sodium	C200.7	mg/kg	NL								
7440-28-0	Thallium	C200.7	mg/kg	100000								
7440-31-5	Tin	C200.7	mg/kg	NL								
7440-36-0	Antimony	C200.7	mg/kg	2								
7440-38-2	Arsenic	C200.7	mg/kg	0.389								
7440-39-3	Barium	C200.7	mg/kg	130.1								
7440-41-7	Beryllium	C200.7	mg/kg	15.6								
7440-43-9	Cadmium	C200.7	mg/kg	0.68								
7440-47-3	Chromium	C200.7	mg/kg	52.3								
7440-48-4	Cobalt	C200.7	mg/kg	2.34								
7440-50-8	Copper	C200.7	mg/kg	18.7								
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548								
7440-66-6	Zinc	C200.7	mg/kg	124								
7440-70-2	Calcium	C200.7	mg/kg	NL								
7782-49-2	Selenium	C200.7	mg/kg	2								
7429-90-5	Aluminum	E200.7	mg/kg	7740	1220		1210	J	1790	J	1020	J
7439-89-6	Iron	E200.7	mg/kg	2000	21500		5780	J	10900	J	7140	J
7439-92-1	Lead	E200.7	mg/kg	30.2	15	R						
7439-95-4	Magnesium	E200.7	mg/kg	NL	421	J	623	UJ	646	UJ	549	J
7439-96-5	Manganese	E200.7	mg/kg	183	67.8	J						
7440-02-0	Nickel	E200.7	mg/kg	15.9								
7440-09-7	Potassium	E200.7	mg/kg	NL	144	J	623	U	646	U	227	J
7440-22-4	Silver	E200.7	mg/kg	0.73								
7440-23-5	Sodium	E200.7	mg/kg	NL	1410		1800		1880		2220	J
7440-31-5	Tin	E200.7	mg/kg	NL								

R2-0000550

Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 1 Sediment Samples < 12 inches

				sys_loc_code:	A9		A90		A91		A92	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A9 0-6		A90 0-6		A91 0-6		A92 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/01/2009		07/20/2009		07/20/2009		07/17/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7440-36-0	Antimony	E200.7	mg/kg	2								
7440-38-2	Arsenic	E200.7	mg/kg	0.389	9.4							
7440-47-3	Chromium	E200.7	mg/kg	52.3								
7440-50-8	Copper	E200.7	mg/kg	18.7	8.1	J						
7440-66-6	Zinc	E200.7	mg/kg	124	47.5							
7440-70-2	Calcium	E200.7	mg/kg	NL	4250		6420		4210		1570	
7439-92-1	Lead	E200.8	mg/kg	30.2			18		23.4		28	
7439-96-5	Manganese	E200.8	mg/kg	183			55.7	J	41.1	J	26	J
7440-02-0	Nickel	E200.8	mg/kg	15.9	2.4	J	5		7.5		3.1	
7440-22-4	Silver	E200.8	mg/kg	0.73	0.27	UJ	0.31	UJ	0.32	UJ	0.31	U
7440-28-0	Thallium	E200.8	mg/kg	100000	0.55	U	0.62	U	0.65	U	0.62	UJ
7440-36-0	Antimony	E200.8	mg/kg	2	1.1	U	1.2	U	1.3	U	1.2	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389			7.3	J	11.3	J	4.6	
7440-39-3	Barium	E200.8	mg/kg	130.1	5.5	UJ	6.2	UJ	6.5	UJ	3.3	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.27	U	0.58		0.4		0.31	U
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.27	U	0.31	U	0.32	U	0.13	J
7440-47-3	Chromium	E200.8	mg/kg	52.3	11.7		10.1		16.5		8	J
7440-48-4	Cobalt	E200.8	mg/kg	2.34	0.95	J	1.5		2		1	
7440-50-8	Copper	E200.8	mg/kg	18.7			8.3		15.2		10	J
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	15.1		26.6	J	24.4	J	12	J
7440-66-6	Zinc	E200.8	mg/kg	124			44.7		68.7		73.3	
7782-49-2	Selenium	E200.8	mg/kg	2	0.55	U	0.4	J	0.94		0.33	J
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.035	U	0.062		0.14		0.096	
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6							2.2	U
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357							4.2	U
309-00-2	Aldrin	CPEST	ug/kg	2							2.2	U
319-84-6	Alpha-Bhc	CPEST	ug/kg	3							2.2	U
319-85-7	Beta-Bhc	CPEST	ug/kg	3							2.2	U
319-86-8	Delta-Bhc	CPEST	ug/kg	3							2.2	U
33213-65-9	Endosulfan II	CPEST	ug/kg	14							4.2	U
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19							4.2	U
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7							2.2	U
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7							2.2	U

				sys_loc_code:	A9		A90		A91		A92	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A9 0-6		A90 0-6		A91 0-6		A92 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/01/2009		07/20/2009		07/20/2009		07/17/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL							0.098	J
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32							2.2	U
60-57-1	Dieldrin	CPEST	ug/kg	0.72							4.2	U
72-20-8	Endrin	CPEST	ug/kg	2.67							4.2	U
72-43-5	Methoxychlor	CPEST	ug/kg	29.6							22	U
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22							4.2	U
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07							4.2	U
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL							4.2	U
76-44-8	Heptachlor	CPEST	ug/kg	68							2.2	U
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1							220	U
959-98-8	Endosulfan I	CPEST	ug/kg	2.9							2.2	U
11096-82-5	Aroclor 1260	E608	ug/kg	21.6							42	U
11097-69-1	Aroclor 1254	E608	ug/kg	23							42	U
11100-14-4	Aroclor 1268	E608	ug/kg	21.6							42	U
11104-28-2	Aroclor 1221	E608	ug/kg	21.6							42	U
11141-16-5	Aroclor 1232	E608	ug/kg	21.6							42	U
12672-29-6	Aroclor 1248	E608	ug/kg	21.6							42	U
12674-11-2	Aroclor 1016	E608	ug/kg	21.6							42	U
37324-23-5	Aroclor 1262	E608	ug/kg	21.6							42	U
53469-21-9	Aroclor 1242	E608	ug/kg	21.6							42	U
100-41-4	Ethylbenzene	E624	ug/kg	305							5.8	U
100-42-5	Styrene	E624	ug/kg	7070							5.8	U
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL							5.8	U
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL							5.8	U
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460							5.8	U
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7							5.8	U
107-06-2	1,2-Dichloroethane	E624	ug/kg	432							5.8	U
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000							12	U
108-87-2	Methylcyclohexane	E624	ug/kg	NL							5.8	U
108-88-3	Toluene	E624	ug/kg	1090							5.8	U
108-90-7	Chlorobenzene	E624	ug/kg	162							5.8	U
110-82-7	Cyclohexane	E624	ug/kg	117000							5.8	U
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473							5.8	U

				sys_loc_code:	A9		A90		A91		A92	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A9 0-6		A90 0-6		A91 0-6		A92 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/01/2009		07/20/2009		07/20/2009		07/17/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
123-91-1	1,4-Dioxane	E624	ug/kg	44100							120	R
124-48-1	Dibromochloromethane	E624	ug/kg	680							5.8	U
127-18-4	Tetrachloroethene	E624	ug/kg	190							5.8	U
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200							5.8	U
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300							5.8	U
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300							5.8	U
179601-23-1	m,p-Xylene	E624	ug/kg	NL							5.8	U
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842							5.8	U
56-23-5	Carbon tetrachloride	E624	ug/kg	248							5.8	U
591-78-6	2-Hexanone	E624	ug/kg	20900							12	U
67-64-1	Acetone	E624	ug/kg	6130000							18	U
67-66-3	Chloroform	E624	ug/kg	295							5.8	U
71-43-2	Benzene	E624	ug/kg	137							5.8	U
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856							5.8	U
74-83-9	Bromomethane	E624	ug/kg	732							5.8	U
74-87-3	Chloromethane	E624	ug/kg	11900							5.8	U
74-97-5	Bromochloromethane	E624	ug/kg	NL							5.8	U
75-00-3	Chloroethane	E624	ug/kg	1450000							5.8	U
75-01-4	Vinyl Chloride	E624	ug/kg	59.7							5.8	U
75-09-2	Methylene chloride	E624	ug/kg	10700							5.8	U
75-15-0	Carbon Disulfide	E624	ug/kg	0.851							4.6	J
75-25-2	Bromoform	E624	ug/kg	1310							5.8	U
75-27-4	Bromodichloromethane	E624	ug/kg	273							5.8	U
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310							5.8	U
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780							5.8	U
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700							5.8	U
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400							5.8	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000							5.8	U
78-87-5	1,2-Dichloropropane	E624	ug/kg	895							5.8	U
78-93-3	2-Butanone	E624	ug/kg	2780000							15	
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570							5.8	U
79-01-6	Trichloroethene	E624	ug/kg	1600							5.8	U
79-20-9	Methyl Acetate	E624	ug/kg	7820000							5.8	U

				sys_loc_code:	A9		A90		A91		A92	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A9 0-6		A90 0-6		A91 0-6		A92 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/01/2009		07/20/2009		07/20/2009		07/17/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202							5.8	U
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858							5.8	U
95-47-6	o-Xylene	E624	ug/kg	NL							5.8	U
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989							5.8	U
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35							5.8	U
98-82-8	Isopropylbenzene	E624	ug/kg	86							5.8	U
100-01-6	4-Nitroaniline	E625	ug/kg	24300							420	U
100-02-7	4-Nitrophenol	E625	ug/kg	NL							420	U
100-52-7	Benzaldehyde	E625	ug/kg	782000							52	J
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230							220	UJ
105-60-2	Caprolactam	E625	ug/kg	3060000							220	U
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29							220	U
106-44-5	4-Methylphenol	E625	ug/kg	670							220	U
106-47-8	4-Chloroaniline	E625	ug/kg	2430							220	U
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570							220	U
108-95-2	Phenol	E625	ug/kg	420							22	J
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214							220	U
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300							220	U
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182							30	J
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL							220	U
118-74-1	Hexachlorobenzene	E625	ug/kg	20							220	UJ
120-12-7	Anthracene	E625	ug/kg	46.9							220	U
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117							220	U
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6							220	U
129-00-0	Pyrene	E625	ug/kg	153							23	J
131-11-3	Dimethylphthalate	E625	ug/kg	NL							220	U
132-64-9	Dibenzofuran	E625	ug/kg	7300							220	U
1912-24-9	Atrazine	E625	ug/kg	6.62							220	U
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170							220	U
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17							220	U
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148							15	J
206-44-0	Fluoranthene	E625	ug/kg	113							25	J
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240							6.9	J

				sys_loc_code:	A9		A90		A91		A92	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A9 0-6		A90 0-6		A91 0-6		A92 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/01/2009		07/20/2009		07/20/2009		07/17/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
208-96-8	Acenaphthylene	E625	ug/kg	5.87							220	U
218-01-9	Chrysene	E625	ug/kg	108							12	J
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8							8.9	J
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200							420	U
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611							420	U
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22							220	U
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8							16	J
58-90-2	Chlorophenols	E625	ug/kg	284							220	U
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000							220	U
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120							220	U
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4							220	U
67-72-1	Hexachloroethane	E625	ug/kg	804							220	U
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL							220	U
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139							220	U
78-59-1	Isophorone	E625	ug/kg	511000							220	U
83-32-9	Acenaphthene	E625	ug/kg	6.71							220	U
84-66-2	Diethylphthalate	E625	ug/kg	218							9	J
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160							11	J
85-01-8	Phenanthrene	E625	ug/kg	86.7							11	J
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800							220	U
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100							220	U
86-73-7	Fluorene	E625	ug/kg	19							220	U
86-74-8	Carbazole	E625	ug/kg	NL							220	U
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110							220	U
87-86-5	Pentachlorophenol	E625	ug/kg	2970							420	U
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650							220	U
88-74-4	2-Nitroaniline	E625	ug/kg	60600							420	U
88-75-5	2-Nitrophenol	E625	ug/kg	NL							220	U
91-20-3	Naphthalene	E625	ug/kg	34.6							220	U
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2							220	U
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000							220	U
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080							220	U
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220							220	U

				sys_loc_code:	A9		A90		A91		A92	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A9 0-6		A90 0-6		A91 0-6		A92 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/01/2009		07/20/2009		07/20/2009		07/17/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
95-48-7	2-Methylphenol	E625	ug/kg	306000							220	U
95-57-8	2-Chlorophenol	E625	ug/kg	344							220	U
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830							220	U
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819							220	U
98-86-2	Acetophenone	E625	ug/kg	782000							20	J
98-95-3	Nitrobenzene	E625	ug/kg	4790							220	U
99-09-2	3-Nitroaniline	E625	ug/kg	NL							420	U

				sys_loc_code:	A93		A94		A95		A96	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A93 0-6		A94 0-6		A95 0-6		A96 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/20/2009		07/20/2009		07/20/2009		07/20/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	C200.7	mg/kg	7740								
7439-89-6	Iron	C200.7	mg/kg	2000								
7439-92-1	Lead	C200.7	mg/kg	30.2								
7439-95-4	Magnesium	C200.7	mg/kg	NL								
7439-96-5	Manganese	C200.7	mg/kg	183								
7440-02-0	Nickel	C200.7	mg/kg	15.9								
7440-09-7	Potassium	C200.7	mg/kg	NL								
7440-22-4	Silver	C200.7	mg/kg	0.73								
7440-23-5	Sodium	C200.7	mg/kg	NL								
7440-28-0	Thallium	C200.7	mg/kg	100000								
7440-31-5	Tin	C200.7	mg/kg	NL								
7440-36-0	Antimony	C200.7	mg/kg	2								
7440-38-2	Arsenic	C200.7	mg/kg	0.389								
7440-39-3	Barium	C200.7	mg/kg	130.1								
7440-41-7	Beryllium	C200.7	mg/kg	15.6								
7440-43-9	Cadmium	C200.7	mg/kg	0.68								
7440-47-3	Chromium	C200.7	mg/kg	52.3								
7440-48-4	Cobalt	C200.7	mg/kg	2.34								
7440-50-8	Copper	C200.7	mg/kg	18.7								
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548								
7440-66-6	Zinc	C200.7	mg/kg	124								
7440-70-2	Calcium	C200.7	mg/kg	NL								
7782-49-2	Selenium	C200.7	mg/kg	2								
7429-90-5	Aluminum	E200.7	mg/kg	7740	1380	J	1430	J	1440	J	2210	J
7439-89-6	Iron	E200.7	mg/kg	2000	6410	J	8900		6170	J	19900	J
7439-92-1	Lead	E200.7	mg/kg	30.2								
7439-95-4	Magnesium	E200.7	mg/kg	NL	561	J	460	J	603	J	621	J
7439-96-5	Manganese	E200.7	mg/kg	183								
7440-02-0	Nickel	E200.7	mg/kg	15.9								
7440-09-7	Potassium	E200.7	mg/kg	NL	653	U	622	U	679	U	632	U
7440-22-4	Silver	E200.7	mg/kg	0.73								
7440-23-5	Sodium	E200.7	mg/kg	NL	2200		1540		2610		1400	
7440-31-5	Tin	E200.7	mg/kg	NL								

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Remedial Investigation/Feasibility Study
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Area 1 Sediment Samples < 12 inches

				sys_loc_code:	A93		A94		A95		A96	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A93 0-6		A94 0-6		A95 0-6		A96 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/20/2009		07/20/2009		07/20/2009		07/20/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7440-36-0	Antimony	E200.7	mg/kg	2								
7440-38-2	Arsenic	E200.7	mg/kg	0.389								
7440-47-3	Chromium	E200.7	mg/kg	52.3								
7440-50-8	Copper	E200.7	mg/kg	18.7								
7440-66-6	Zinc	E200.7	mg/kg	124								
7440-70-2	Calcium	E200.7	mg/kg	NL	2600		543	J	3440		371	J
7439-92-1	Lead	E200.8	mg/kg	30.2	45		25.4	J	61.9		38.8	
7439-96-5	Manganese	E200.8	mg/kg	183	22.5	J	23.7	J	25.4	J	58.6	J
7440-02-0	Nickel	E200.8	mg/kg	15.9	2.4		4.6	J	2.5		6.6	
7440-22-4	Silver	E200.8	mg/kg	0.73	0.33	UJ	0.31	UJ	0.34	UJ	0.32	UJ
7440-28-0	Thallium	E200.8	mg/kg	100000	0.65	U	0.62	UJ	0.68	U	0.63	U
7440-36-0	Antimony	E200.8	mg/kg	2	2.3		1.4	J	2.2		1.9	
7440-38-2	Arsenic	E200.8	mg/kg	0.389	3.9	J	9.2	J	4	J	17.3	J
7440-39-3	Barium	E200.8	mg/kg	130.1	6.5	UJ	4.1	J	6.8	UJ	6.3	UJ
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.16	J	0.23	J	0.15	J	0.8	
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.33	U	0.16	J	0.34	U	0.32	U
7440-47-3	Chromium	E200.8	mg/kg	52.3	5.9	J	10.1	J	6.8		19.3	
7440-48-4	Cobalt	E200.8	mg/kg	2.34	1.2		1.5	J	1.3		1.9	
7440-50-8	Copper	E200.8	mg/kg	18.7	8.2		11.6	J	8.7		18.6	
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	10.6	J	15.7	J	10.8	J	66.3	J
7440-66-6	Zinc	E200.8	mg/kg	124	36.2		45.9	J	34.8		72.4	
7782-49-2	Selenium	E200.8	mg/kg	2	0.65	U	0.46	J	0.68	U	1.1	
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.092		0.15	J	0.14		0.27	
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6								
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357								
309-00-2	Aldrin	CPEST	ug/kg	2								
319-84-6	Alpha-Bhc	CPEST	ug/kg	3								
319-85-7	Beta-Bhc	CPEST	ug/kg	3								
319-86-8	Delta-Bhc	CPEST	ug/kg	3								
33213-65-9	Endosulfan II	CPEST	ug/kg	14								
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19								
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7								
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7								

				sys_loc_code:	A93		A94		A95		A96	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A93 0-6		A94 0-6		A95 0-6		A96 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/20/2009		07/20/2009		07/20/2009		07/20/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL								
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32								
60-57-1	Dieldrin	CPEST	ug/kg	0.72								
72-20-8	Endrin	CPEST	ug/kg	2.67								
72-43-5	Methoxychlor	CPEST	ug/kg	29.6								
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22								
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07								
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL								
76-44-8	Heptachlor	CPEST	ug/kg	68								
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1								
959-98-8	Endosulfan I	CPEST	ug/kg	2.9								
11096-82-5	Aroclor 1260	E608	ug/kg	21.6								
11097-69-1	Aroclor 1254	E608	ug/kg	23								
11100-14-4	Aroclor 1268	E608	ug/kg	21.6								
11104-28-2	Aroclor 1221	E608	ug/kg	21.6								
11141-16-5	Aroclor 1232	E608	ug/kg	21.6								
12672-29-6	Aroclor 1248	E608	ug/kg	21.6								
12674-11-2	Aroclor 1016	E608	ug/kg	21.6								
37324-23-5	Aroclor 1262	E608	ug/kg	21.6								
53469-21-9	Aroclor 1242	E608	ug/kg	21.6								
100-41-4	Ethylbenzene	E624	ug/kg	305								
100-42-5	Styrene	E624	ug/kg	7070								
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL								
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL								
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460								
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7								
107-06-2	1,2-Dichloroethane	E624	ug/kg	432								
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000								
108-87-2	Methylcyclohexane	E624	ug/kg	NL								
108-88-3	Toluene	E624	ug/kg	1090								
108-90-7	Chlorobenzene	E624	ug/kg	162								
110-82-7	Cyclohexane	E624	ug/kg	117000								
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473								

				sys_loc_code:	A93		A94		A95		A96	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A93 0-6		A94 0-6		A95 0-6		A96 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/20/2009		07/20/2009		07/20/2009		07/20/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
123-91-1	1,4-Dioxane	E624	ug/kg	44100								
124-48-1	Dibromochloromethane	E624	ug/kg	680								
127-18-4	Tetrachloroethene	E624	ug/kg	190								
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200								
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300								
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300								
179601-23-1	m,p-Xylene	E624	ug/kg	NL								
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842								
56-23-5	Carbon tetrachloride	E624	ug/kg	248								
591-78-6	2-Hexanone	E624	ug/kg	20900								
67-64-1	Acetone	E624	ug/kg	6130000								
67-66-3	Chloroform	E624	ug/kg	295								
71-43-2	Benzene	E624	ug/kg	137								
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856								
74-83-9	Bromomethane	E624	ug/kg	732								
74-87-3	Chloromethane	E624	ug/kg	11900								
74-97-5	Bromochloromethane	E624	ug/kg	NL								
75-00-3	Chloroethane	E624	ug/kg	1450000								
75-01-4	Vinyl Chloride	E624	ug/kg	59.7								
75-09-2	Methylene chloride	E624	ug/kg	10700								
75-15-0	Carbon Disulfide	E624	ug/kg	0.851								
75-25-2	Bromoform	E624	ug/kg	1310								
75-27-4	Bromodichloromethane	E624	ug/kg	273								
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310								
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780								
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700								
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400								
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000								
78-87-5	1,2-Dichloropropane	E624	ug/kg	895								
78-93-3	2-Butanone	E624	ug/kg	2780000								
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570								
79-01-6	Trichloroethene	E624	ug/kg	1600								
79-20-9	Methyl Acetate	E624	ug/kg	7820000								

				sys_loc_code:	A93		A94		A95		A96	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A93 0-6		A94 0-6		A95 0-6		A96 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/20/2009		07/20/2009		07/20/2009		07/20/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202								
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858								
95-47-6	o-Xylene	E624	ug/kg	NL								
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989								
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35								
98-82-8	Isopropylbenzene	E624	ug/kg	86								
100-01-6	4-Nitroaniline	E625	ug/kg	24300								
100-02-7	4-Nitrophenol	E625	ug/kg	NL								
100-52-7	Benzaldehyde	E625	ug/kg	782000								
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230								
105-60-2	Caprolactam	E625	ug/kg	3060000								
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29								
106-44-5	4-Methylphenol	E625	ug/kg	670								
106-47-8	4-Chloroaniline	E625	ug/kg	2430								
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570								
108-95-2	Phenol	E625	ug/kg	420								
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214								
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300								
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182								
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL								
118-74-1	Hexachlorobenzene	E625	ug/kg	20								
120-12-7	Anthracene	E625	ug/kg	46.9								
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117								
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6								
129-00-0	Pyrene	E625	ug/kg	153								
131-11-3	Dimethylphthalate	E625	ug/kg	NL								
132-64-9	Dibenzofuran	E625	ug/kg	7300								
1912-24-9	Atrazine	E625	ug/kg	6.62								
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170								
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17								
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148								
206-44-0	Fluoranthene	E625	ug/kg	113								
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240								

				sys_loc_code:	A93		A94		A95		A96	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A93 0-6		A94 0-6		A95 0-6		A96 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/20/2009		07/20/2009		07/20/2009		07/20/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
208-96-8	Acenaphthylene	E625	ug/kg	5.87								
218-01-9	Chrysene	E625	ug/kg	108								
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8								
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200								
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611								
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22								
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8								
58-90-2	Chlorophenols	E625	ug/kg	284								
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000								
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120								
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4								
67-72-1	Hexachloroethane	E625	ug/kg	804								
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL								
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139								
78-59-1	Isophorone	E625	ug/kg	511000								
83-32-9	Acenaphthene	E625	ug/kg	6.71								
84-66-2	Diethylphthalate	E625	ug/kg	218								
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160								
85-01-8	Phenanthrene	E625	ug/kg	86.7								
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800								
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100								
86-73-7	Fluorene	E625	ug/kg	19								
86-74-8	Carbazole	E625	ug/kg	NL								
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110								
87-86-5	Pentachlorophenol	E625	ug/kg	2970								
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650								
88-74-4	2-Nitroaniline	E625	ug/kg	60600								
88-75-5	2-Nitrophenol	E625	ug/kg	NL								
91-20-3	Naphthalene	E625	ug/kg	34.6								
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2								
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000								
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080								
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220								

				sys_loc_code:	A93		A94		A95		A96	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A93 0-6		A94 0-6		A95 0-6		A96 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/20/2009		07/20/2009		07/20/2009		07/20/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
95-48-7	2-Methylphenol	E625	ug/kg	306000								
95-57-8	2-Chlorophenol	E625	ug/kg	344								
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830								
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819								
98-86-2	Acetophenone	E625	ug/kg	782000								
98-95-3	Nitrobenzene	E625	ug/kg	4790								
99-09-2	3-Nitroaniline	E625	ug/kg	NL								

				sys_loc_code:	A97		A98		A99		A10	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A97 0-6		A98 0-6		A99 0-6		A10 0-12	
				depth	0-6 in		0-6 in		0-6 in		0-12 in	
				sample_date:	07/20/2009		06/30/2009		06/30/2009		07/01/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	C200.7	mg/kg	7740								
7439-89-6	Iron	C200.7	mg/kg	2000								
7439-92-1	Lead	C200.7	mg/kg	30.2								
7439-95-4	Magnesium	C200.7	mg/kg	NL								
7439-96-5	Manganese	C200.7	mg/kg	183								
7440-02-0	Nickel	C200.7	mg/kg	15.9								
7440-09-7	Potassium	C200.7	mg/kg	NL								
7440-22-4	Silver	C200.7	mg/kg	0.73								
7440-23-5	Sodium	C200.7	mg/kg	NL								
7440-28-0	Thallium	C200.7	mg/kg	100000								
7440-31-5	Tin	C200.7	mg/kg	NL								
7440-36-0	Antimony	C200.7	mg/kg	2								
7440-38-2	Arsenic	C200.7	mg/kg	0.389								
7440-39-3	Barium	C200.7	mg/kg	130.1								
7440-41-7	Beryllium	C200.7	mg/kg	15.6								
7440-43-9	Cadmium	C200.7	mg/kg	0.68								
7440-47-3	Chromium	C200.7	mg/kg	52.3								
7440-48-4	Cobalt	C200.7	mg/kg	2.34								
7440-50-8	Copper	C200.7	mg/kg	18.7								
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548								
7440-66-6	Zinc	C200.7	mg/kg	124								
7440-70-2	Calcium	C200.7	mg/kg	NL								
7782-49-2	Selenium	C200.7	mg/kg	2								
7429-90-5	Aluminum	E200.7	mg/kg	7740	2140	J	2320		1950		1800	
7439-89-6	Iron	E200.7	mg/kg	2000	6350	J	13500		30300		29100	
7439-92-1	Lead	E200.7	mg/kg	30.2							16.7	R
7439-95-4	Magnesium	E200.7	mg/kg	NL	646	UJ	704		661		414	J
7439-96-5	Manganese	E200.7	mg/kg	183							29.3	J
7440-02-0	Nickel	E200.7	mg/kg	15.9								
7440-09-7	Potassium	E200.7	mg/kg	NL	646	UJ	630	U	613	U	210	J
7440-22-4	Silver	E200.7	mg/kg	0.73								
7440-23-5	Sodium	E200.7	mg/kg	NL	1780	J	1390		1610		1360	
7440-31-5	Tin	E200.7	mg/kg	NL								

R2-0000564

Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 1 Sediment Samples < 12 inches

				sys_loc_code:	A97		A98		A99		A10	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A97 0-6		A98 0-6		A99 0-6		A10 0-12	
				depth	0-6 in		0-6 in		0-6 in		0-12 in	
				sample_date:	07/20/2009		06/30/2009		06/30/2009		07/01/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7440-36-0	Antimony	E200.7	mg/kg	2								
7440-38-2	Arsenic	E200.7	mg/kg	0.389							5.8	
7440-47-3	Chromium	E200.7	mg/kg	52.3								
7440-50-8	Copper	E200.7	mg/kg	18.7							12	
7440-66-6	Zinc	E200.7	mg/kg	124							68.4	
7440-70-2	Calcium	E200.7	mg/kg	NL	195	J	601	J	2370	J	477	U
7439-92-1	Lead	E200.8	mg/kg	30.2	158		511		2690			
7439-96-5	Manganese	E200.8	mg/kg	183	15.9		74.1		30.4			
7440-02-0	Nickel	E200.8	mg/kg	15.9	3.2		3.4	J	10	J	4.9	J
7440-22-4	Silver	E200.8	mg/kg	0.73	0.32	U	0.32	U	0.31	U	0.23	UJ
7440-28-0	Thallium	E200.8	mg/kg	100000	0.65	U	0.63	U	0.61	U	0.45	U
7440-36-0	Antimony	E200.8	mg/kg	2	11.3		24.4		151		0.9	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389	7.7		13.1		41.4			
7440-39-3	Barium	E200.8	mg/kg	130.1	8.6	J	20.3	J	16.8	J	4.5	UJ
7440-41-7	Beryllium	E200.8	mg/kg	15.6	1		0.3	J	0.25	J	0.38	
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.32	U	0.32	U	0.6		0.55	
7440-47-3	Chromium	E200.8	mg/kg	52.3	6.6		8.5		8.6		13.9	
7440-48-4	Cobalt	E200.8	mg/kg	2.34	1.3		1.3	J	1.6	J	1.6	J
7440-50-8	Copper	E200.8	mg/kg	18.7	19.1		19.4	J	163	J		
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	14	J	16.6	J	12.4	J	26.3	
7440-66-6	Zinc	E200.8	mg/kg	124	26.5		43.7	J	66.9	J		
7782-49-2	Selenium	E200.8	mg/kg	2	0.65	U	0.63	U	0.53	J	0.45	U
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.045		0.54		0.037	U	0.056	
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6								
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357								
309-00-2	Aldrin	CPEST	ug/kg	2								
319-84-6	Alpha-Bhc	CPEST	ug/kg	3								
319-85-7	Beta-Bhc	CPEST	ug/kg	3								
319-86-8	Delta-Bhc	CPEST	ug/kg	3								
33213-65-9	Endosulfan II	CPEST	ug/kg	14								
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19								
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7								
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7								

R2-0000565

				sys_loc_code:	A97		A98		A99		A10	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A97 0-6		A98 0-6		A99 0-6		A10 0-12	
				depth	0-6 in		0-6 in		0-6 in		0-12 in	
				sample_date:	07/20/2009		06/30/2009		06/30/2009		07/01/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL								
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32								
60-57-1	Dieldrin	CPEST	ug/kg	0.72								
72-20-8	Endrin	CPEST	ug/kg	2.67								
72-43-5	Methoxychlor	CPEST	ug/kg	29.6								
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22								
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07								
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL								
76-44-8	Heptachlor	CPEST	ug/kg	68								
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1								
959-98-8	Endosulfan I	CPEST	ug/kg	2.9								
11096-82-5	Aroclor 1260	E608	ug/kg	21.6								
11097-69-1	Aroclor 1254	E608	ug/kg	23								
11100-14-4	Aroclor 1268	E608	ug/kg	21.6								
11104-28-2	Aroclor 1221	E608	ug/kg	21.6								
11141-16-5	Aroclor 1232	E608	ug/kg	21.6								
12672-29-6	Aroclor 1248	E608	ug/kg	21.6								
12674-11-2	Aroclor 1016	E608	ug/kg	21.6								
37324-23-5	Aroclor 1262	E608	ug/kg	21.6								
53469-21-9	Aroclor 1242	E608	ug/kg	21.6								
100-41-4	Ethylbenzene	E624	ug/kg	305								
100-42-5	Styrene	E624	ug/kg	7070								
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL								
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL								
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460								
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7								
107-06-2	1,2-Dichloroethane	E624	ug/kg	432								
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000								
108-87-2	Methylcyclohexane	E624	ug/kg	NL								
108-88-3	Toluene	E624	ug/kg	1090								
108-90-7	Chlorobenzene	E624	ug/kg	162								
110-82-7	Cyclohexane	E624	ug/kg	117000								
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473								

				sys_loc_code:	A97		A98		A99		A10	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A97 0-6		A98 0-6		A99 0-6		A10 0-12	
				depth	0-6 in		0-6 in		0-6 in		0-12 in	
				sample_date:	07/20/2009		06/30/2009		06/30/2009		07/01/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
123-91-1	1,4-Dioxane	E624	ug/kg	44100								
124-48-1	Dibromochloromethane	E624	ug/kg	680								
127-18-4	Tetrachloroethene	E624	ug/kg	190								
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200								
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300								
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300								
179601-23-1	m,p-Xylene	E624	ug/kg	NL								
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842								
56-23-5	Carbon tetrachloride	E624	ug/kg	248								
591-78-6	2-Hexanone	E624	ug/kg	20900								
67-64-1	Acetone	E624	ug/kg	6130000								
67-66-3	Chloroform	E624	ug/kg	295								
71-43-2	Benzene	E624	ug/kg	137								
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856								
74-83-9	Bromomethane	E624	ug/kg	732								
74-87-3	Chloromethane	E624	ug/kg	11900								
74-97-5	Bromochloromethane	E624	ug/kg	NL								
75-00-3	Chloroethane	E624	ug/kg	1450000								
75-01-4	Vinyl Chloride	E624	ug/kg	59.7								
75-09-2	Methylene chloride	E624	ug/kg	10700								
75-15-0	Carbon Disulfide	E624	ug/kg	0.851								
75-25-2	Bromoform	E624	ug/kg	1310								
75-27-4	Bromodichloromethane	E624	ug/kg	273								
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310								
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780								
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700								
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400								
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000								
78-87-5	1,2-Dichloropropane	E624	ug/kg	895								
78-93-3	2-Butanone	E624	ug/kg	2780000								
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570								
79-01-6	Trichloroethene	E624	ug/kg	1600								
79-20-9	Methyl Acetate	E624	ug/kg	7820000								

				sys_loc_code:	A97		A98		A99		A10	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A97 0-6		A98 0-6		A99 0-6		A10 0-12	
				depth	0-6 in		0-6 in		0-6 in		0-12 in	
				sample_date:	07/20/2009		06/30/2009		06/30/2009		07/01/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202								
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858								
95-47-6	o-Xylene	E624	ug/kg	NL								
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989								
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35								
98-82-8	Isopropylbenzene	E624	ug/kg	86								
100-01-6	4-Nitroaniline	E625	ug/kg	24300								
100-02-7	4-Nitrophenol	E625	ug/kg	NL								
100-52-7	Benzaldehyde	E625	ug/kg	782000								
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230								
105-60-2	Caprolactam	E625	ug/kg	3060000								
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29								
106-44-5	4-Methylphenol	E625	ug/kg	670								
106-47-8	4-Chloroaniline	E625	ug/kg	2430								
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570								
108-95-2	Phenol	E625	ug/kg	420								
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214								
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300								
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182								
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL								
118-74-1	Hexachlorobenzene	E625	ug/kg	20								
120-12-7	Anthracene	E625	ug/kg	46.9								
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117								
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6								
129-00-0	Pyrene	E625	ug/kg	153								
131-11-3	Dimethylphthalate	E625	ug/kg	NL								
132-64-9	Dibenzofuran	E625	ug/kg	7300								
1912-24-9	Atrazine	E625	ug/kg	6.62								
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170								
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17								
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148								
206-44-0	Fluoranthene	E625	ug/kg	113								
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240								

				sys_loc_code:	A97		A98		A99		A10	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A97 0-6		A98 0-6		A99 0-6		A10 0-12	
				depth	0-6 in		0-6 in		0-6 in		0-12 in	
				sample_date:	07/20/2009		06/30/2009		06/30/2009		07/01/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
208-96-8	Acenaphthylene	E625	ug/kg	5.87								
218-01-9	Chrysene	E625	ug/kg	108								
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8								
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200								
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611								
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22								
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8								
58-90-2	Chlorophenols	E625	ug/kg	284								
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000								
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120								
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4								
67-72-1	Hexachloroethane	E625	ug/kg	804								
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL								
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139								
78-59-1	Isophorone	E625	ug/kg	511000								
83-32-9	Acenaphthene	E625	ug/kg	6.71								
84-66-2	Diethylphthalate	E625	ug/kg	218								
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160								
85-01-8	Phenanthrene	E625	ug/kg	86.7								
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800								
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100								
86-73-7	Fluorene	E625	ug/kg	19								
86-74-8	Carbazole	E625	ug/kg	NL								
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110								
87-86-5	Pentachlorophenol	E625	ug/kg	2970								
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650								
88-74-4	2-Nitroaniline	E625	ug/kg	60600								
88-75-5	2-Nitrophenol	E625	ug/kg	NL								
91-20-3	Naphthalene	E625	ug/kg	34.6								
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2								
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000								
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080								
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220								

				sys_loc_code:	A97		A98		A99		A10	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A97 0-6		A98 0-6		A99 0-6		A10 0-12	
				depth	0-6 in		0-6 in		0-6 in		0-12 in	
				sample_date:	07/20/2009		06/30/2009		06/30/2009		07/01/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
95-48-7	2-Methylphenol	E625	ug/kg	306000								
95-57-8	2-Chlorophenol	E625	ug/kg	344								
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830								
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819								
98-86-2	Acetophenone	E625	ug/kg	782000								
98-95-3	Nitrobenzene	E625	ug/kg	4790								
99-09-2	3-Nitroaniline	E625	ug/kg	NL								

Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 1 Sediment Samples < 12 inches

				sys_loc_code:	A101		A102		A103		A104	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A101 0-12		A102 0-12		A103 0-12		A104 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/20/2009		07/20/2009		07/20/2009		07/20/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	C200.7	mg/kg	7740								
7439-89-6	Iron	C200.7	mg/kg	2000								
7439-92-1	Lead	C200.7	mg/kg	30.2								
7439-95-4	Magnesium	C200.7	mg/kg	NL								
7439-96-5	Manganese	C200.7	mg/kg	183								
7440-02-0	Nickel	C200.7	mg/kg	15.9								
7440-09-7	Potassium	C200.7	mg/kg	NL								
7440-22-4	Silver	C200.7	mg/kg	0.73								
7440-23-5	Sodium	C200.7	mg/kg	NL								
7440-28-0	Thallium	C200.7	mg/kg	100000								
7440-31-5	Tin	C200.7	mg/kg	NL								
7440-36-0	Antimony	C200.7	mg/kg	2								
7440-38-2	Arsenic	C200.7	mg/kg	0.389								
7440-39-3	Barium	C200.7	mg/kg	130.1								
7440-41-7	Beryllium	C200.7	mg/kg	15.6								
7440-43-9	Cadmium	C200.7	mg/kg	0.68								
7440-47-3	Chromium	C200.7	mg/kg	52.3								
7440-48-4	Cobalt	C200.7	mg/kg	2.34								
7440-50-8	Copper	C200.7	mg/kg	18.7								
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548								
7440-66-6	Zinc	C200.7	mg/kg	124								
7440-70-2	Calcium	C200.7	mg/kg	NL								
7782-49-2	Selenium	C200.7	mg/kg	2								
7429-90-5	Aluminum	E200.7	mg/kg	7740	2800	J	3330	J	5590	J	1870	J
7439-89-6	Iron	E200.7	mg/kg	2000	18400	J	11700	J	69100	J	11500	J
7439-92-1	Lead	E200.7	mg/kg	30.2								
7439-95-4	Magnesium	E200.7	mg/kg	NL	450	J	489	J	574	J	521	J
7439-96-5	Manganese	E200.7	mg/kg	183								
7440-02-0	Nickel	E200.7	mg/kg	15.9								
7440-09-7	Potassium	E200.7	mg/kg	NL	291	J	378	J	290	J	308	J
7440-22-4	Silver	E200.7	mg/kg	0.73								
7440-23-5	Sodium	E200.7	mg/kg	NL	1060	J	1510	J	1040	J	1840	J
7440-31-5	Tin	E200.7	mg/kg	NL								

Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 1 Sediment Samples < 12 inches

				sys_loc_code:	A101		A102		A103		A104	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A101 0-12		A102 0-12		A103 0-12		A104 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/20/2009		07/20/2009		07/20/2009		07/20/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7440-36-0	Antimony	E200.7	mg/kg	2								
7440-38-2	Arsenic	E200.7	mg/kg	0.389								
7440-47-3	Chromium	E200.7	mg/kg	52.3								
7440-50-8	Copper	E200.7	mg/kg	18.7								
7440-66-6	Zinc	E200.7	mg/kg	124								
7440-70-2	Calcium	E200.7	mg/kg	NL	2280		15700		391	J	811	
7439-92-1	Lead	E200.8	mg/kg	30.2	9.6		7.8	J	15.7	J	13.8	
7439-96-5	Manganese	E200.8	mg/kg	183	40		22.3	J	53.6	J	20.6	
7440-02-0	Nickel	E200.8	mg/kg	15.9	6.1	J	5.1	J	7.7	J	5.1	J
7440-22-4	Silver	E200.8	mg/kg	0.73	0.3	U	0.29	UJ	0.29	UJ	0.32	U
7440-28-0	Thallium	E200.8	mg/kg	100000	0.6	U	0.59	UJ	0.65	J	0.64	U
7440-36-0	Antimony	E200.8	mg/kg	2	1.2	U	1.2	UJ	1.2	UJ	1.3	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389	10.6	J	7	J	32.6	J	8.3	J
7440-39-3	Barium	E200.8	mg/kg	130.1	2.7	J	2.7	J	3.5	J	4	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.77		0.4	J	1.1	J	0.25	J
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.13	J	0.14	J	0.12	J	0.16	J
7440-47-3	Chromium	E200.8	mg/kg	52.3	18.8		11.3	J	33	J	12.1	
7440-48-4	Cobalt	E200.8	mg/kg	2.34	1.4		1.3	J	2.9	J	1.3	
7440-50-8	Copper	E200.8	mg/kg	18.7	10.1		10.6	J	8.5	J	10.6	
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	69.7	J	26.4	J	98.6	J	16.3	J
7440-66-6	Zinc	E200.8	mg/kg	124	38.4		37.9	J	42.5	J	54.4	
7782-49-2	Selenium	E200.8	mg/kg	2	0.55	J	0.58	J	0.85	J	0.81	
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.087	J	0.071	J	0.046	J	0.08	J
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6								
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357								
309-00-2	Aldrin	CPEST	ug/kg	2								
319-84-6	Alpha-Bhc	CPEST	ug/kg	3								
319-85-7	Beta-Bhc	CPEST	ug/kg	3								
319-86-8	Delta-Bhc	CPEST	ug/kg	3								
33213-65-9	Endosulfan II	CPEST	ug/kg	14								
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19								
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7								
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7								

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				sys_loc_code:	A101		A102		A103		A104	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A101 0-12		A102 0-12		A103 0-12		A104 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/20/2009		07/20/2009		07/20/2009		07/20/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL								
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32								
60-57-1	Dieldrin	CPEST	ug/kg	0.72								
72-20-8	Endrin	CPEST	ug/kg	2.67								
72-43-5	Methoxychlor	CPEST	ug/kg	29.6								
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22								
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07								
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL								
76-44-8	Heptachlor	CPEST	ug/kg	68								
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1								
959-98-8	Endosulfan I	CPEST	ug/kg	2.9								
11096-82-5	Aroclor 1260	E608	ug/kg	21.6								
11097-69-1	Aroclor 1254	E608	ug/kg	23								
11100-14-4	Aroclor 1268	E608	ug/kg	21.6								
11104-28-2	Aroclor 1221	E608	ug/kg	21.6								
11141-16-5	Aroclor 1232	E608	ug/kg	21.6								
12672-29-6	Aroclor 1248	E608	ug/kg	21.6								
12674-11-2	Aroclor 1016	E608	ug/kg	21.6								
37324-23-5	Aroclor 1262	E608	ug/kg	21.6								
53469-21-9	Aroclor 1242	E608	ug/kg	21.6								
100-41-4	Ethylbenzene	E624	ug/kg	305								
100-42-5	Styrene	E624	ug/kg	7070								
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL								
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL								
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460								
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7								
107-06-2	1,2-Dichloroethane	E624	ug/kg	432								
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000								
108-87-2	Methylcyclohexane	E624	ug/kg	NL								
108-88-3	Toluene	E624	ug/kg	1090								
108-90-7	Chlorobenzene	E624	ug/kg	162								
110-82-7	Cyclohexane	E624	ug/kg	117000								
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473								

				sys_loc_code:	A101		A102		A103		A104	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A101 0-12		A102 0-12		A103 0-12		A104 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/20/2009		07/20/2009		07/20/2009		07/20/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
123-91-1	1,4-Dioxane	E624	ug/kg	44100								
124-48-1	Dibromochloromethane	E624	ug/kg	680								
127-18-4	Tetrachloroethene	E624	ug/kg	190								
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200								
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300								
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300								
179601-23-1	m,p-Xylene	E624	ug/kg	NL								
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842								
56-23-5	Carbon tetrachloride	E624	ug/kg	248								
591-78-6	2-Hexanone	E624	ug/kg	20900								
67-64-1	Acetone	E624	ug/kg	6130000								
67-66-3	Chloroform	E624	ug/kg	295								
71-43-2	Benzene	E624	ug/kg	137								
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856								
74-83-9	Bromomethane	E624	ug/kg	732								
74-87-3	Chloromethane	E624	ug/kg	11900								
74-97-5	Bromochloromethane	E624	ug/kg	NL								
75-00-3	Chloroethane	E624	ug/kg	1450000								
75-01-4	Vinyl Chloride	E624	ug/kg	59.7								
75-09-2	Methylene chloride	E624	ug/kg	10700								
75-15-0	Carbon Disulfide	E624	ug/kg	0.851								
75-25-2	Bromoform	E624	ug/kg	1310								
75-27-4	Bromodichloromethane	E624	ug/kg	273								
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310								
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780								
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700								
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400								
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000								
78-87-5	1,2-Dichloropropane	E624	ug/kg	895								
78-93-3	2-Butanone	E624	ug/kg	2780000								
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570								
79-01-6	Trichloroethene	E624	ug/kg	1600								
79-20-9	Methyl Acetate	E624	ug/kg	7820000								

				sys_loc_code:	A101		A102		A103		A104	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A101 0-12		A102 0-12		A103 0-12		A104 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/20/2009		07/20/2009		07/20/2009		07/20/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202								
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858								
95-47-6	o-Xylene	E624	ug/kg	NL								
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989								
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35								
98-82-8	Isopropylbenzene	E624	ug/kg	86								
100-01-6	4-Nitroaniline	E625	ug/kg	24300								
100-02-7	4-Nitrophenol	E625	ug/kg	NL								
100-52-7	Benzaldehyde	E625	ug/kg	782000								
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230								
105-60-2	Caprolactam	E625	ug/kg	3060000								
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29								
106-44-5	4-Methylphenol	E625	ug/kg	670								
106-47-8	4-Chloroaniline	E625	ug/kg	2430								
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570								
108-95-2	Phenol	E625	ug/kg	420								
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214								
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300								
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182								
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL								
118-74-1	Hexachlorobenzene	E625	ug/kg	20								
120-12-7	Anthracene	E625	ug/kg	46.9								
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117								
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6								
129-00-0	Pyrene	E625	ug/kg	153								
131-11-3	Dimethylphthalate	E625	ug/kg	NL								
132-64-9	Dibenzofuran	E625	ug/kg	7300								
1912-24-9	Atrazine	E625	ug/kg	6.62								
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170								
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17								
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148								
206-44-0	Fluoranthene	E625	ug/kg	113								
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240								

				sys_loc_code:	A101		A102		A103		A104	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A101 0-12		A102 0-12		A103 0-12		A104 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/20/2009		07/20/2009		07/20/2009		07/20/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
208-96-8	Acenaphthylene	E625	ug/kg	5.87								
218-01-9	Chrysene	E625	ug/kg	108								
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8								
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200								
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611								
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22								
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8								
58-90-2	Chlorophenols	E625	ug/kg	284								
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000								
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120								
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4								
67-72-1	Hexachloroethane	E625	ug/kg	804								
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL								
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139								
78-59-1	Isophorone	E625	ug/kg	511000								
83-32-9	Acenaphthene	E625	ug/kg	6.71								
84-66-2	Diethylphthalate	E625	ug/kg	218								
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160								
85-01-8	Phenanthrene	E625	ug/kg	86.7								
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800								
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100								
86-73-7	Fluorene	E625	ug/kg	19								
86-74-8	Carbazole	E625	ug/kg	NL								
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110								
87-86-5	Pentachlorophenol	E625	ug/kg	2970								
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650								
88-74-4	2-Nitroaniline	E625	ug/kg	60600								
88-75-5	2-Nitrophenol	E625	ug/kg	NL								
91-20-3	Naphthalene	E625	ug/kg	34.6								
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2								
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000								
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080								
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220								

				sys_loc_code:	A101		A102		A103		A104	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A101 0-12		A102 0-12		A103 0-12		A104 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/20/2009		07/20/2009		07/20/2009		07/20/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
95-48-7	2-Methylphenol	E625	ug/kg	306000								
95-57-8	2-Chlorophenol	E625	ug/kg	344								
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830								
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819								
98-86-2	Acetophenone	E625	ug/kg	782000								
98-95-3	Nitrobenzene	E625	ug/kg	4790								
99-09-2	3-Nitroaniline	E625	ug/kg	NL								

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				sys_loc_code:	A106		A107		A108		A11	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A106 0-12		A107 0-12		A108 0-12		A11 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/20/2009		07/20/2009		07/20/2009		07/01/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	C200.7	mg/kg	7740								
7439-89-6	Iron	C200.7	mg/kg	2000								
7439-92-1	Lead	C200.7	mg/kg	30.2								
7439-95-4	Magnesium	C200.7	mg/kg	NL								
7439-96-5	Manganese	C200.7	mg/kg	183								
7440-02-0	Nickel	C200.7	mg/kg	15.9								
7440-09-7	Potassium	C200.7	mg/kg	NL								
7440-22-4	Silver	C200.7	mg/kg	0.73								
7440-23-5	Sodium	C200.7	mg/kg	NL								
7440-28-0	Thallium	C200.7	mg/kg	100000								
7440-31-5	Tin	C200.7	mg/kg	NL								
7440-36-0	Antimony	C200.7	mg/kg	2								
7440-38-2	Arsenic	C200.7	mg/kg	0.389								
7440-39-3	Barium	C200.7	mg/kg	130.1								
7440-41-7	Beryllium	C200.7	mg/kg	15.6								
7440-43-9	Cadmium	C200.7	mg/kg	0.68								
7440-47-3	Chromium	C200.7	mg/kg	52.3								
7440-48-4	Cobalt	C200.7	mg/kg	2.34								
7440-50-8	Copper	C200.7	mg/kg	18.7								
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548								
7440-66-6	Zinc	C200.7	mg/kg	124								
7440-70-2	Calcium	C200.7	mg/kg	NL								
7782-49-2	Selenium	C200.7	mg/kg	2								
7429-90-5	Aluminum	E200.7	mg/kg	7740	3810	J	1680	J	1500		2520	J
7439-89-6	Iron	E200.7	mg/kg	2000	9970	J	5320	J	7580		47200	J
7439-92-1	Lead	E200.7	mg/kg	30.2							23.2	
7439-95-4	Magnesium	E200.7	mg/kg	NL	1010	J	620	UJ	615	J	434	J
7439-96-5	Manganese	E200.7	mg/kg	183							47.5	J
7440-02-0	Nickel	E200.7	mg/kg	15.9								
7440-09-7	Potassium	E200.7	mg/kg	NL	689	J	620	UJ	635	U	100	J
7440-22-4	Silver	E200.7	mg/kg	0.73								
7440-23-5	Sodium	E200.7	mg/kg	NL	1880	J	1530	J	2310		720	
7440-31-5	Tin	E200.7	mg/kg	NL								

Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 1 Sediment Samples < 12 inches

				sys_loc_code:	A106		A107		A108		A11	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A106 0-12		A107 0-12		A108 0-12		A11 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/20/2009		07/20/2009		07/20/2009		07/01/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7440-36-0	Antimony	E200.7	mg/kg	2							1.9	J
7440-38-2	Arsenic	E200.7	mg/kg	0.389							7.9	J
7440-47-3	Chromium	E200.7	mg/kg	52.3								
7440-50-8	Copper	E200.7	mg/kg	18.7							8.2	J
7440-66-6	Zinc	E200.7	mg/kg	124							55.4	
7440-70-2	Calcium	E200.7	mg/kg	NL	543	J	306	J	1340		566	U
7439-92-1	Lead	E200.8	mg/kg	30.2	20.1		28.9		118			
7439-96-5	Manganese	E200.8	mg/kg	183	32.7		16.7		26.4			
7440-02-0	Nickel	E200.8	mg/kg	15.9	5.6		3.7		2.9		2.7	J
7440-22-4	Silver	E200.8	mg/kg	0.73	0.33	U	0.31	U	0.32	U	0.27	UJ
7440-28-0	Thallium	E200.8	mg/kg	100000	0.65	U	0.62	U	0.63	U	0.54	U
7440-36-0	Antimony	E200.8	mg/kg	2	1.3	U	1.2	U	6.6			
7440-38-2	Arsenic	E200.8	mg/kg	0.389	10.9		5.7		6.2	J		
7440-39-3	Barium	E200.8	mg/kg	130.1	8	J	4	J	6.3	U	5.4	UJ
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.26	J	0.2	J	0.2	J	0.27	U
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.33	U	0.31	U	0.32	U	0.27	U
7440-47-3	Chromium	E200.8	mg/kg	52.3	13.9		7.2		8.7		9.6	
7440-48-4	Cobalt	E200.8	mg/kg	2.34	1.8		1.3		0.97		0.97	J
7440-50-8	Copper	E200.8	mg/kg	18.7	15.4		8		12.5			
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	18.1	J	12	J	12.4	J	20	
7440-66-6	Zinc	E200.8	mg/kg	124	48.6		39.6		37.2			
7782-49-2	Selenium	E200.8	mg/kg	2	0.79		0.32	J	0.41	J	0.54	U
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.18		0.065		0.1		0.035	U
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6								
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357								
309-00-2	Aldrin	CPEST	ug/kg	2								
319-84-6	Alpha-Bhc	CPEST	ug/kg	3								
319-85-7	Beta-Bhc	CPEST	ug/kg	3								
319-86-8	Delta-Bhc	CPEST	ug/kg	3								
33213-65-9	Endosulfan II	CPEST	ug/kg	14								
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19								
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7								
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7								

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				sys_loc_code:	A106		A107		A108		A11	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A106 0-12		A107 0-12		A108 0-12		A11 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/20/2009		07/20/2009		07/20/2009		07/01/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL								
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32								
60-57-1	Dieldrin	CPEST	ug/kg	0.72								
72-20-8	Endrin	CPEST	ug/kg	2.67								
72-43-5	Methoxychlor	CPEST	ug/kg	29.6								
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22								
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07								
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL								
76-44-8	Heptachlor	CPEST	ug/kg	68								
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1								
959-98-8	Endosulfan I	CPEST	ug/kg	2.9								
11096-82-5	Aroclor 1260	E608	ug/kg	21.6								
11097-69-1	Aroclor 1254	E608	ug/kg	23								
11100-14-4	Aroclor 1268	E608	ug/kg	21.6								
11104-28-2	Aroclor 1221	E608	ug/kg	21.6								
11141-16-5	Aroclor 1232	E608	ug/kg	21.6								
12672-29-6	Aroclor 1248	E608	ug/kg	21.6								
12674-11-2	Aroclor 1016	E608	ug/kg	21.6								
37324-23-5	Aroclor 1262	E608	ug/kg	21.6								
53469-21-9	Aroclor 1242	E608	ug/kg	21.6								
100-41-4	Ethylbenzene	E624	ug/kg	305								
100-42-5	Styrene	E624	ug/kg	7070								
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL								
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL								
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460								
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7								
107-06-2	1,2-Dichloroethane	E624	ug/kg	432								
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000								
108-87-2	Methylcyclohexane	E624	ug/kg	NL								
108-88-3	Toluene	E624	ug/kg	1090								
108-90-7	Chlorobenzene	E624	ug/kg	162								
110-82-7	Cyclohexane	E624	ug/kg	117000								
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473								

				sys_loc_code:	A106		A107		A108		A11	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A106 0-12		A107 0-12		A108 0-12		A11 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/20/2009		07/20/2009		07/20/2009		07/01/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
123-91-1	1,4-Dioxane	E624	ug/kg	44100								
124-48-1	Dibromochloromethane	E624	ug/kg	680								
127-18-4	Tetrachloroethene	E624	ug/kg	190								
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200								
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300								
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300								
179601-23-1	m,p-Xylene	E624	ug/kg	NL								
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842								
56-23-5	Carbon tetrachloride	E624	ug/kg	248								
591-78-6	2-Hexanone	E624	ug/kg	20900								
67-64-1	Acetone	E624	ug/kg	6130000								
67-66-3	Chloroform	E624	ug/kg	295								
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71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856								
74-83-9	Bromomethane	E624	ug/kg	732								
74-87-3	Chloromethane	E624	ug/kg	11900								
74-97-5	Bromochloromethane	E624	ug/kg	NL								
75-00-3	Chloroethane	E624	ug/kg	1450000								
75-01-4	Vinyl Chloride	E624	ug/kg	59.7								
75-09-2	Methylene chloride	E624	ug/kg	10700								
75-15-0	Carbon Disulfide	E624	ug/kg	0.851								
75-25-2	Bromoform	E624	ug/kg	1310								
75-27-4	Bromodichloromethane	E624	ug/kg	273								
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310								
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780								
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700								
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400								
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000								
78-87-5	1,2-Dichloropropane	E624	ug/kg	895								
78-93-3	2-Butanone	E624	ug/kg	2780000								
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570								
79-01-6	Trichloroethene	E624	ug/kg	1600								
79-20-9	Methyl Acetate	E624	ug/kg	7820000								

				sys_loc_code:	A106		A107		A108		A11	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A106 0-12		A107 0-12		A108 0-12		A11 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/20/2009		07/20/2009		07/20/2009		07/01/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202								
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858								
95-47-6	o-Xylene	E624	ug/kg	NL								
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989								
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35								
98-82-8	Isopropylbenzene	E624	ug/kg	86								
100-01-6	4-Nitroaniline	E625	ug/kg	24300								
100-02-7	4-Nitrophenol	E625	ug/kg	NL								
100-52-7	Benzaldehyde	E625	ug/kg	782000								
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230								
105-60-2	Caprolactam	E625	ug/kg	3060000								
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29								
106-44-5	4-Methylphenol	E625	ug/kg	670								
106-47-8	4-Chloroaniline	E625	ug/kg	2430								
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570								
108-95-2	Phenol	E625	ug/kg	420								
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214								
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300								
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182								
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL								
118-74-1	Hexachlorobenzene	E625	ug/kg	20								
120-12-7	Anthracene	E625	ug/kg	46.9								
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117								
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6								
129-00-0	Pyrene	E625	ug/kg	153								
131-11-3	Dimethylphthalate	E625	ug/kg	NL								
132-64-9	Dibenzofuran	E625	ug/kg	7300								
1912-24-9	Atrazine	E625	ug/kg	6.62								
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170								
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17								
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148								
206-44-0	Fluoranthene	E625	ug/kg	113								
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240								

				sys_loc_code:	A106		A107		A108		A11	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A106 0-12		A107 0-12		A108 0-12		A11 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/20/2009		07/20/2009		07/20/2009		07/01/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
208-96-8	Acenaphthylene	E625	ug/kg	5.87								
218-01-9	Chrysene	E625	ug/kg	108								
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8								
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200								
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611								
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22								
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8								
58-90-2	Chlorophenols	E625	ug/kg	284								
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000								
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120								
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4								
67-72-1	Hexachloroethane	E625	ug/kg	804								
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL								
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139								
78-59-1	Isophorone	E625	ug/kg	511000								
83-32-9	Acenaphthene	E625	ug/kg	6.71								
84-66-2	Diethylphthalate	E625	ug/kg	218								
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160								
85-01-8	Phenanthrene	E625	ug/kg	86.7								
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800								
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100								
86-73-7	Fluorene	E625	ug/kg	19								
86-74-8	Carbazole	E625	ug/kg	NL								
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110								
87-86-5	Pentachlorophenol	E625	ug/kg	2970								
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650								
88-74-4	2-Nitroaniline	E625	ug/kg	60600								
88-75-5	2-Nitrophenol	E625	ug/kg	NL								
91-20-3	Naphthalene	E625	ug/kg	34.6								
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2								
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000								
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080								
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220								

				sys_loc_code:	A106		A107		A108		A11	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A106 0-12		A107 0-12		A108 0-12		A11 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/20/2009		07/20/2009		07/20/2009		07/01/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
95-48-7	2-Methylphenol	E625	ug/kg	306000								
95-57-8	2-Chlorophenol	E625	ug/kg	344								
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830								
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819								
98-86-2	Acetophenone	E625	ug/kg	782000								
98-95-3	Nitrobenzene	E625	ug/kg	4790								
99-09-2	3-Nitroaniline	E625	ug/kg	NL								

Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 1 Sediment Samples < 12 inches

				sys_loc_code:	A115		A116		A117		A12	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A115 0-12		A116 0-12		A117 0-12		A12 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/20/2009		07/20/2009		07/20/2009		07/01/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	C200.7	mg/kg	7740								
7439-89-6	Iron	C200.7	mg/kg	2000								
7439-92-1	Lead	C200.7	mg/kg	30.2								
7439-95-4	Magnesium	C200.7	mg/kg	NL								
7439-96-5	Manganese	C200.7	mg/kg	183								
7440-02-0	Nickel	C200.7	mg/kg	15.9								
7440-09-7	Potassium	C200.7	mg/kg	NL								
7440-22-4	Silver	C200.7	mg/kg	0.73								
7440-23-5	Sodium	C200.7	mg/kg	NL								
7440-28-0	Thallium	C200.7	mg/kg	100000								
7440-31-5	Tin	C200.7	mg/kg	NL								
7440-36-0	Antimony	C200.7	mg/kg	2								
7440-38-2	Arsenic	C200.7	mg/kg	0.389								
7440-39-3	Barium	C200.7	mg/kg	130.1								
7440-41-7	Beryllium	C200.7	mg/kg	15.6								
7440-43-9	Cadmium	C200.7	mg/kg	0.68								
7440-47-3	Chromium	C200.7	mg/kg	52.3								
7440-48-4	Cobalt	C200.7	mg/kg	2.34								
7440-50-8	Copper	C200.7	mg/kg	18.7								
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548								
7440-66-6	Zinc	C200.7	mg/kg	124								
7440-70-2	Calcium	C200.7	mg/kg	NL								
7782-49-2	Selenium	C200.7	mg/kg	2								
7429-90-5	Aluminum	E200.7	mg/kg	7740	2310	J	1760	J	1670	J	1140	J
7439-89-6	Iron	E200.7	mg/kg	2000	6000	J	8430	J	7330	J	25800	J
7439-92-1	Lead	E200.7	mg/kg	30.2							22	
7439-95-4	Magnesium	E200.7	mg/kg	NL	640	UJ	614	UJ	638	UJ	368	J
7439-96-5	Manganese	E200.7	mg/kg	183							44	J
7440-02-0	Nickel	E200.7	mg/kg	15.9								
7440-09-7	Potassium	E200.7	mg/kg	NL	640	UJ	614	U	638	UJ	108	J
7440-22-4	Silver	E200.7	mg/kg	0.73								
7440-23-5	Sodium	E200.7	mg/kg	NL	1550	J	1740	J	1740	J	1330	
7440-31-5	Tin	E200.7	mg/kg	NL								

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Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 1 Sediment Samples < 12 inches

				sys_loc_code:	A115		A116		A117		A12	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A115 0-12		A116 0-12		A117 0-12		A12 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/20/2009		07/20/2009		07/20/2009		07/01/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7440-36-0	Antimony	E200.7	mg/kg	2								
7440-38-2	Arsenic	E200.7	mg/kg	0.389							5.9	J
7440-47-3	Chromium	E200.7	mg/kg	52.3								
7440-50-8	Copper	E200.7	mg/kg	18.7							5.6	J
7440-66-6	Zinc	E200.7	mg/kg	124							29.3	
7440-70-2	Calcium	E200.7	mg/kg	NL	1200		1380		3110	J	637	
7439-92-1	Lead	E200.8	mg/kg	30.2	24		33.6		62.4	J		
7439-96-5	Manganese	E200.8	mg/kg	183	24.7		26.1		22.8	J		
7440-02-0	Nickel	E200.8	mg/kg	15.9	5.9		4.4		2.7	J	2	J
7440-22-4	Silver	E200.8	mg/kg	0.73	0.32	UJ	0.31	UJ	0.32	UJ	0.28	UJ
7440-28-0	Thallium	E200.8	mg/kg	100000	0.64	U	0.61	U	0.64	UJ	0.57	U
7440-36-0	Antimony	E200.8	mg/kg	2	1.3	U	1.2	U	2.2	J	1.1	
7440-38-2	Arsenic	E200.8	mg/kg	0.389	8.4	J	7.3	J	4.5	J		
7440-39-3	Barium	E200.8	mg/kg	130.1	6.4	UJ	6.1	UJ	6.4	UJ	5.7	UJ
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.24	J	0.21	J	0.19	J	0.28	U
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.32	U	0.31	U	0.32	UJ	0.28	U
7440-47-3	Chromium	E200.8	mg/kg	52.3	12.4		11.6		7.1	J	10.4	
7440-48-4	Cobalt	E200.8	mg/kg	2.34	2.2		1.2		0.86	J	0.75	J
7440-50-8	Copper	E200.8	mg/kg	18.7	17		16.1		10.1	J		
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	17	J	14.5	J	12.6	J	21.3	
7440-66-6	Zinc	E200.8	mg/kg	124	53.6		47.7		32.9	J		
7782-49-2	Selenium	E200.8	mg/kg	2	0.51	J	0.38	J	0.64	UJ	0.57	U
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.16		0.15		0.077	J	0.036	U
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6								
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357								
309-00-2	Aldrin	CPEST	ug/kg	2								
319-84-6	Alpha-Bhc	CPEST	ug/kg	3								
319-85-7	Beta-Bhc	CPEST	ug/kg	3								
319-86-8	Delta-Bhc	CPEST	ug/kg	3								
33213-65-9	Endosulfan II	CPEST	ug/kg	14								
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19								
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7								
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7								

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				sys_loc_code:	A115		A116		A117		A12	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A115 0-12		A116 0-12		A117 0-12		A12 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/20/2009		07/20/2009		07/20/2009		07/01/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL								
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32								
60-57-1	Dieldrin	CPEST	ug/kg	0.72								
72-20-8	Endrin	CPEST	ug/kg	2.67								
72-43-5	Methoxychlor	CPEST	ug/kg	29.6								
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22								
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07								
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL								
76-44-8	Heptachlor	CPEST	ug/kg	68								
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1								
959-98-8	Endosulfan I	CPEST	ug/kg	2.9								
11096-82-5	Aroclor 1260	E608	ug/kg	21.6								
11097-69-1	Aroclor 1254	E608	ug/kg	23								
11100-14-4	Aroclor 1268	E608	ug/kg	21.6								
11104-28-2	Aroclor 1221	E608	ug/kg	21.6								
11141-16-5	Aroclor 1232	E608	ug/kg	21.6								
12672-29-6	Aroclor 1248	E608	ug/kg	21.6								
12674-11-2	Aroclor 1016	E608	ug/kg	21.6								
37324-23-5	Aroclor 1262	E608	ug/kg	21.6								
53469-21-9	Aroclor 1242	E608	ug/kg	21.6								
100-41-4	Ethylbenzene	E624	ug/kg	305								
100-42-5	Styrene	E624	ug/kg	7070								
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL								
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL								
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460								
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7								
107-06-2	1,2-Dichloroethane	E624	ug/kg	432								
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000								
108-87-2	Methylcyclohexane	E624	ug/kg	NL								
108-88-3	Toluene	E624	ug/kg	1090								
108-90-7	Chlorobenzene	E624	ug/kg	162								
110-82-7	Cyclohexane	E624	ug/kg	117000								
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473								

				sys_loc_code:	A115		A116		A117		A12	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A115 0-12		A116 0-12		A117 0-12		A12 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/20/2009		07/20/2009		07/20/2009		07/01/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
123-91-1	1,4-Dioxane	E624	ug/kg	44100								
124-48-1	Dibromochloromethane	E624	ug/kg	680								
127-18-4	Tetrachloroethene	E624	ug/kg	190								
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200								
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300								
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300								
179601-23-1	m,p-Xylene	E624	ug/kg	NL								
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842								
56-23-5	Carbon tetrachloride	E624	ug/kg	248								
591-78-6	2-Hexanone	E624	ug/kg	20900								
67-64-1	Acetone	E624	ug/kg	6130000								
67-66-3	Chloroform	E624	ug/kg	295								
71-43-2	Benzene	E624	ug/kg	137								
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856								
74-83-9	Bromomethane	E624	ug/kg	732								
74-87-3	Chloromethane	E624	ug/kg	11900								
74-97-5	Bromochloromethane	E624	ug/kg	NL								
75-00-3	Chloroethane	E624	ug/kg	1450000								
75-01-4	Vinyl Chloride	E624	ug/kg	59.7								
75-09-2	Methylene chloride	E624	ug/kg	10700								
75-15-0	Carbon Disulfide	E624	ug/kg	0.851								
75-25-2	Bromoform	E624	ug/kg	1310								
75-27-4	Bromodichloromethane	E624	ug/kg	273								
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310								
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780								
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700								
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400								
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000								
78-87-5	1,2-Dichloropropane	E624	ug/kg	895								
78-93-3	2-Butanone	E624	ug/kg	2780000								
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570								
79-01-6	Trichloroethene	E624	ug/kg	1600								
79-20-9	Methyl Acetate	E624	ug/kg	7820000								

				sys_loc_code:	A115		A116		A117		A12	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A115 0-12		A116 0-12		A117 0-12		A12 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/20/2009		07/20/2009		07/20/2009		07/01/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202								
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858								
95-47-6	o-Xylene	E624	ug/kg	NL								
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989								
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35								
98-82-8	Isopropylbenzene	E624	ug/kg	86								
100-01-6	4-Nitroaniline	E625	ug/kg	24300								
100-02-7	4-Nitrophenol	E625	ug/kg	NL								
100-52-7	Benzaldehyde	E625	ug/kg	782000								
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230								
105-60-2	Caprolactam	E625	ug/kg	3060000								
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29								
106-44-5	4-Methylphenol	E625	ug/kg	670								
106-47-8	4-Chloroaniline	E625	ug/kg	2430								
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570								
108-95-2	Phenol	E625	ug/kg	420								
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214								
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300								
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182								
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL								
118-74-1	Hexachlorobenzene	E625	ug/kg	20								
120-12-7	Anthracene	E625	ug/kg	46.9								
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117								
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6								
129-00-0	Pyrene	E625	ug/kg	153								
131-11-3	Dimethylphthalate	E625	ug/kg	NL								
132-64-9	Dibenzofuran	E625	ug/kg	7300								
1912-24-9	Atrazine	E625	ug/kg	6.62								
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170								
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17								
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148								
206-44-0	Fluoranthene	E625	ug/kg	113								
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240								

				sys_loc_code:	A115		A116		A117		A12	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A115 0-12		A116 0-12		A117 0-12		A12 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/20/2009		07/20/2009		07/20/2009		07/01/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
208-96-8	Acenaphthylene	E625	ug/kg	5.87								
218-01-9	Chrysene	E625	ug/kg	108								
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8								
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200								
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611								
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22								
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8								
58-90-2	Chlorophenols	E625	ug/kg	284								
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000								
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120								
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4								
67-72-1	Hexachloroethane	E625	ug/kg	804								
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL								
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139								
78-59-1	Isophorone	E625	ug/kg	511000								
83-32-9	Acenaphthene	E625	ug/kg	6.71								
84-66-2	Diethylphthalate	E625	ug/kg	218								
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160								
85-01-8	Phenanthrene	E625	ug/kg	86.7								
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800								
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100								
86-73-7	Fluorene	E625	ug/kg	19								
86-74-8	Carbazole	E625	ug/kg	NL								
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110								
87-86-5	Pentachlorophenol	E625	ug/kg	2970								
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650								
88-74-4	2-Nitroaniline	E625	ug/kg	60600								
88-75-5	2-Nitrophenol	E625	ug/kg	NL								
91-20-3	Naphthalene	E625	ug/kg	34.6								
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2								
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000								
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080								
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220								

				sys_loc_code:	A115		A116		A117		A12	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A115 0-12		A116 0-12		A117 0-12		A12 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/20/2009		07/20/2009		07/20/2009		07/01/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
95-48-7	2-Methylphenol	E625	ug/kg	306000								
95-57-8	2-Chlorophenol	E625	ug/kg	344								
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830								
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819								
98-86-2	Acetophenone	E625	ug/kg	782000								
98-95-3	Nitrobenzene	E625	ug/kg	4790								
99-09-2	3-Nitroaniline	E625	ug/kg	NL								

Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 1 Sediment Samples < 12 inches

				sys_loc_code:	A13		A134		A135		A136	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A13 0-12		A134 0-12		A135 0-12		A136 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/14/2009		07/15/2009		07/15/2009		07/14/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	C200.7	mg/kg	7740								
7439-89-6	Iron	C200.7	mg/kg	2000								
7439-92-1	Lead	C200.7	mg/kg	30.2								
7439-95-4	Magnesium	C200.7	mg/kg	NL								
7439-96-5	Manganese	C200.7	mg/kg	183								
7440-02-0	Nickel	C200.7	mg/kg	15.9								
7440-09-7	Potassium	C200.7	mg/kg	NL								
7440-22-4	Silver	C200.7	mg/kg	0.73								
7440-23-5	Sodium	C200.7	mg/kg	NL								
7440-28-0	Thallium	C200.7	mg/kg	100000								
7440-31-5	Tin	C200.7	mg/kg	NL								
7440-36-0	Antimony	C200.7	mg/kg	2								
7440-38-2	Arsenic	C200.7	mg/kg	0.389								
7440-39-3	Barium	C200.7	mg/kg	130.1								
7440-41-7	Beryllium	C200.7	mg/kg	15.6								
7440-43-9	Cadmium	C200.7	mg/kg	0.68								
7440-47-3	Chromium	C200.7	mg/kg	52.3								
7440-48-4	Cobalt	C200.7	mg/kg	2.34								
7440-50-8	Copper	C200.7	mg/kg	18.7								
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548								
7440-66-6	Zinc	C200.7	mg/kg	124								
7440-70-2	Calcium	C200.7	mg/kg	NL								
7782-49-2	Selenium	C200.7	mg/kg	2								
7429-90-5	Aluminum	E200.7	mg/kg	7740	4020		418		476		813	
7439-89-6	Iron	E200.7	mg/kg	2000	92400		4290		4640		9600	
7439-92-1	Lead	E200.7	mg/kg	30.2	11.5							
7439-95-4	Magnesium	E200.7	mg/kg	NL	549	J	301		399		610	
7439-96-5	Manganese	E200.7	mg/kg	183	167							
7440-02-0	Nickel	E200.7	mg/kg	15.9								
7440-09-7	Potassium	E200.7	mg/kg	NL	265	J	556		576		237	J
7440-22-4	Silver	E200.7	mg/kg	0.73								
7440-23-5	Sodium	E200.7	mg/kg	NL	855		1490		2130		2640	
7440-31-5	Tin	E200.7	mg/kg	NL								

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				sys_loc_code:	A13		A134		A135		A136	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A13 0-12		A134 0-12		A135 0-12		A136 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/14/2009		07/15/2009		07/15/2009		07/14/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7440-36-0	Antimony	E200.7	mg/kg	2								
7440-38-2	Arsenic	E200.7	mg/kg	0.389	17.1							
7440-47-3	Chromium	E200.7	mg/kg	52.3								
7440-50-8	Copper	E200.7	mg/kg	18.7	9.2							
7440-66-6	Zinc	E200.7	mg/kg	124	51.1							
7440-70-2	Calcium	E200.7	mg/kg	NL	442	J	221		2260		2100	
7439-92-1	Lead	E200.8	mg/kg	30.2			9.9	J	14	J	24.4	J
7439-96-5	Manganese	E200.8	mg/kg	183			19.9	J	25.5	J	31.9	J
7440-02-0	Nickel	E200.8	mg/kg	15.9	7.9	J	0.82	J	4	J	1.8	J
7440-22-4	Silver	E200.8	mg/kg	0.73	0.27	UJ	0.29	UJ	0.29	UJ	0.31	UJ
7440-28-0	Thallium	E200.8	mg/kg	100000	1.1	U	0.58	U	0.59	U	0.63	U
7440-36-0	Antimony	E200.8	mg/kg	2	1.1	U	1.2	U	1.2	U	1.3	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389			1.2	J	7.6	J	8.6	
7440-39-3	Barium	E200.8	mg/kg	130.1	2.8	J	5.8	UJ	5.9	UJ	3.4	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.89		0.29	U	0.29	U	0.31	U
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.67		0.29	UJ	0.29	UJ	0.091	J
7440-47-3	Chromium	E200.8	mg/kg	52.3	62.5	J	4	J	17.5	J	6.3	J
7440-48-4	Cobalt	E200.8	mg/kg	2.34	2.4	J	0.71	J	1.1	J	1.1	J
7440-50-8	Copper	E200.8	mg/kg	18.7			3.9	J	12.1	J	7.3	
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	93.1	J	7.5		30.9		11.4	J
7440-66-6	Zinc	E200.8	mg/kg	124			23.9	J	53.3	J	36.1	
7782-49-2	Selenium	E200.8	mg/kg	2	1.1	U	0.58	U	0.6		0.23	J
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.035	U	0.036	U	0.028	J	0.031	J
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6								
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357								
309-00-2	Aldrin	CPEST	ug/kg	2								
319-84-6	Alpha-Bhc	CPEST	ug/kg	3								
319-85-7	Beta-Bhc	CPEST	ug/kg	3								
319-86-8	Delta-Bhc	CPEST	ug/kg	3								
33213-65-9	Endosulfan II	CPEST	ug/kg	14								
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19								
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7								
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7								

				sys_loc_code:	A13		A134		A135		A136	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A13 0-12		A134 0-12		A135 0-12		A136 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/14/2009		07/15/2009		07/15/2009		07/14/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL								
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32								
60-57-1	Dieldrin	CPEST	ug/kg	0.72								
72-20-8	Endrin	CPEST	ug/kg	2.67								
72-43-5	Methoxychlor	CPEST	ug/kg	29.6								
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22								
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07								
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL								
76-44-8	Heptachlor	CPEST	ug/kg	68								
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1								
959-98-8	Endosulfan I	CPEST	ug/kg	2.9								
11096-82-5	Aroclor 1260	E608	ug/kg	21.6								
11097-69-1	Aroclor 1254	E608	ug/kg	23								
11100-14-4	Aroclor 1268	E608	ug/kg	21.6								
11104-28-2	Aroclor 1221	E608	ug/kg	21.6								
11141-16-5	Aroclor 1232	E608	ug/kg	21.6								
12672-29-6	Aroclor 1248	E608	ug/kg	21.6								
12674-11-2	Aroclor 1016	E608	ug/kg	21.6								
37324-23-5	Aroclor 1262	E608	ug/kg	21.6								
53469-21-9	Aroclor 1242	E608	ug/kg	21.6								
100-41-4	Ethylbenzene	E624	ug/kg	305								
100-42-5	Styrene	E624	ug/kg	7070								
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL								
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL								
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460								
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7								
107-06-2	1,2-Dichloroethane	E624	ug/kg	432								
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000								
108-87-2	Methylcyclohexane	E624	ug/kg	NL								
108-88-3	Toluene	E624	ug/kg	1090								
108-90-7	Chlorobenzene	E624	ug/kg	162								
110-82-7	Cyclohexane	E624	ug/kg	117000								
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473								

				sys_loc_code:	A13		A134		A135		A136	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A13 0-12		A134 0-12		A135 0-12		A136 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/14/2009		07/15/2009		07/15/2009		07/14/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
123-91-1	1,4-Dioxane	E624	ug/kg	44100								
124-48-1	Dibromochloromethane	E624	ug/kg	680								
127-18-4	Tetrachloroethene	E624	ug/kg	190								
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200								
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300								
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300								
179601-23-1	m,p-Xylene	E624	ug/kg	NL								
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842								
56-23-5	Carbon tetrachloride	E624	ug/kg	248								
591-78-6	2-Hexanone	E624	ug/kg	20900								
67-64-1	Acetone	E624	ug/kg	6130000								
67-66-3	Chloroform	E624	ug/kg	295								
71-43-2	Benzene	E624	ug/kg	137								
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856								
74-83-9	Bromomethane	E624	ug/kg	732								
74-87-3	Chloromethane	E624	ug/kg	11900								
74-97-5	Bromochloromethane	E624	ug/kg	NL								
75-00-3	Chloroethane	E624	ug/kg	1450000								
75-01-4	Vinyl Chloride	E624	ug/kg	59.7								
75-09-2	Methylene chloride	E624	ug/kg	10700								
75-15-0	Carbon Disulfide	E624	ug/kg	0.851								
75-25-2	Bromoform	E624	ug/kg	1310								
75-27-4	Bromodichloromethane	E624	ug/kg	273								
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310								
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780								
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700								
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400								
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000								
78-87-5	1,2-Dichloropropane	E624	ug/kg	895								
78-93-3	2-Butanone	E624	ug/kg	2780000								
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570								
79-01-6	Trichloroethene	E624	ug/kg	1600								
79-20-9	Methyl Acetate	E624	ug/kg	7820000								

				sys_loc_code:	A13		A134		A135		A136	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A13 0-12		A134 0-12		A135 0-12		A136 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/14/2009		07/15/2009		07/15/2009		07/14/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202								
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858								
95-47-6	o-Xylene	E624	ug/kg	NL								
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989								
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35								
98-82-8	Isopropylbenzene	E624	ug/kg	86								
100-01-6	4-Nitroaniline	E625	ug/kg	24300								
100-02-7	4-Nitrophenol	E625	ug/kg	NL								
100-52-7	Benzaldehyde	E625	ug/kg	782000								
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230								
105-60-2	Caprolactam	E625	ug/kg	3060000								
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29								
106-44-5	4-Methylphenol	E625	ug/kg	670								
106-47-8	4-Chloroaniline	E625	ug/kg	2430								
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570								
108-95-2	Phenol	E625	ug/kg	420								
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214								
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300								
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182								
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL								
118-74-1	Hexachlorobenzene	E625	ug/kg	20								
120-12-7	Anthracene	E625	ug/kg	46.9								
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117								
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6								
129-00-0	Pyrene	E625	ug/kg	153								
131-11-3	Dimethylphthalate	E625	ug/kg	NL								
132-64-9	Dibenzofuran	E625	ug/kg	7300								
1912-24-9	Atrazine	E625	ug/kg	6.62								
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170								
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17								
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148								
206-44-0	Fluoranthene	E625	ug/kg	113								
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240								

				sys_loc_code:	A13		A134		A135		A136	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A13 0-12		A134 0-12		A135 0-12		A136 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/14/2009		07/15/2009		07/15/2009		07/14/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
208-96-8	Acenaphthylene	E625	ug/kg	5.87								
218-01-9	Chrysene	E625	ug/kg	108								
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8								
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200								
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611								
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22								
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8								
58-90-2	Chlorophenols	E625	ug/kg	284								
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000								
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120								
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4								
67-72-1	Hexachloroethane	E625	ug/kg	804								
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL								
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139								
78-59-1	Isophorone	E625	ug/kg	511000								
83-32-9	Acenaphthene	E625	ug/kg	6.71								
84-66-2	Diethylphthalate	E625	ug/kg	218								
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160								
85-01-8	Phenanthrene	E625	ug/kg	86.7								
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800								
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100								
86-73-7	Fluorene	E625	ug/kg	19								
86-74-8	Carbazole	E625	ug/kg	NL								
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110								
87-86-5	Pentachlorophenol	E625	ug/kg	2970								
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650								
88-74-4	2-Nitroaniline	E625	ug/kg	60600								
88-75-5	2-Nitrophenol	E625	ug/kg	NL								
91-20-3	Naphthalene	E625	ug/kg	34.6								
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2								
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000								
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080								
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220								

				sys_loc_code:	A13		A134		A135		A136	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A13 0-12		A134 0-12		A135 0-12		A136 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/14/2009		07/15/2009		07/15/2009		07/14/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
95-48-7	2-Methylphenol	E625	ug/kg	306000								
95-57-8	2-Chlorophenol	E625	ug/kg	344								
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830								
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819								
98-86-2	Acetophenone	E625	ug/kg	782000								
98-95-3	Nitrobenzene	E625	ug/kg	4790								
99-09-2	3-Nitroaniline	E625	ug/kg	NL								

				sys_loc_code:	A137		A138		A139		A14	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A137 0-12		A138 0-12		A139 0-12		A14 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/14/2009		07/15/2009		07/15/2009		07/01/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	C200.7	mg/kg	7740								
7439-89-6	Iron	C200.7	mg/kg	2000								
7439-92-1	Lead	C200.7	mg/kg	30.2								
7439-95-4	Magnesium	C200.7	mg/kg	NL								
7439-96-5	Manganese	C200.7	mg/kg	183								
7440-02-0	Nickel	C200.7	mg/kg	15.9								
7440-09-7	Potassium	C200.7	mg/kg	NL								
7440-22-4	Silver	C200.7	mg/kg	0.73								
7440-23-5	Sodium	C200.7	mg/kg	NL								
7440-28-0	Thallium	C200.7	mg/kg	100000								
7440-31-5	Tin	C200.7	mg/kg	NL								
7440-36-0	Antimony	C200.7	mg/kg	2								
7440-38-2	Arsenic	C200.7	mg/kg	0.389								
7440-39-3	Barium	C200.7	mg/kg	130.1								
7440-41-7	Beryllium	C200.7	mg/kg	15.6								
7440-43-9	Cadmium	C200.7	mg/kg	0.68								
7440-47-3	Chromium	C200.7	mg/kg	52.3								
7440-48-4	Cobalt	C200.7	mg/kg	2.34								
7440-50-8	Copper	C200.7	mg/kg	18.7								
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548								
7440-66-6	Zinc	C200.7	mg/kg	124								
7440-70-2	Calcium	C200.7	mg/kg	NL								
7782-49-2	Selenium	C200.7	mg/kg	2								
7429-90-5	Aluminum	E200.7	mg/kg	7740	2650		2750		2780		2280	
7439-89-6	Iron	E200.7	mg/kg	2000	41700		37800		10800		39800	
7439-92-1	Lead	E200.7	mg/kg	30.2	12.1						9	R
7439-95-4	Magnesium	E200.7	mg/kg	NL	793		637		1220		473	
7439-96-5	Manganese	E200.7	mg/kg	183	45.8						49.7	J
7440-02-0	Nickel	E200.7	mg/kg	15.9								
7440-09-7	Potassium	E200.7	mg/kg	NL	425	J	527	U	844		186	J
7440-22-4	Silver	E200.7	mg/kg	0.73								
7440-23-5	Sodium	E200.7	mg/kg	NL	1990		1530		2780		1040	
7440-31-5	Tin	E200.7	mg/kg	NL								

Raritan Bay Slag Superfund Site
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				sys_loc_code:	A137		A138		A139		A14	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A137 0-12		A138 0-12		A139 0-12		A14 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/14/2009		07/15/2009		07/15/2009		07/01/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7440-36-0	Antimony	E200.7	mg/kg	2								
7440-38-2	Arsenic	E200.7	mg/kg	0.389	14.7						5.2	
7440-47-3	Chromium	E200.7	mg/kg	52.3								
7440-50-8	Copper	E200.7	mg/kg	18.7	9.9						7.7	J
7440-66-6	Zinc	E200.7	mg/kg	124	55.2						28.9	
7440-70-2	Calcium	E200.7	mg/kg	NL	2820		460	J	1290		430	U
7439-92-1	Lead	E200.8	mg/kg	30.2			13.6	J	9	J		
7439-96-5	Manganese	E200.8	mg/kg	183			89.9	J	89.1	J		
7440-02-0	Nickel	E200.8	mg/kg	15.9	5		5.8		4.6		2.5	J
7440-22-4	Silver	E200.8	mg/kg	0.73	0.31	UJ	0.28	UJ	0.34	UJ	0.27	UJ
7440-28-0	Thallium	E200.8	mg/kg	100000	0.62	U	0.56	U	0.67	U	0.54	U
7440-36-0	Antimony	E200.8	mg/kg	2	1.2	U	1.1	U	1.3	U	1.1	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389			12		5.9			
7440-39-3	Barium	E200.8	mg/kg	130.1	2.2	J	5.6	UJ	6.7	UJ	5.4	UJ
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.28	J	0.43		0.34	U	0.33	
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.31	U	0.25	J	0.1	J	0.48	
7440-47-3	Chromium	E200.8	mg/kg	52.3	17.8	J	17.9	J	9	J	11.3	
7440-48-4	Cobalt	E200.8	mg/kg	2.34	1.5	J	1.5		1.8		1.1	J
7440-50-8	Copper	E200.8	mg/kg	18.7			8.2		5.6			
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	33.7	J	42.3		16.1		25.9	
7440-66-6	Zinc	E200.8	mg/kg	124			39.1		26.5			
7782-49-2	Selenium	E200.8	mg/kg	2	0.63		0.31	J	0.28	J	0.54	U
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.045		0.053		0.04	U	0.035	U
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6								
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357								
309-00-2	Aldrin	CPEST	ug/kg	2								
319-84-6	Alpha-Bhc	CPEST	ug/kg	3								
319-85-7	Beta-Bhc	CPEST	ug/kg	3								
319-86-8	Delta-Bhc	CPEST	ug/kg	3								
33213-65-9	Endosulfan II	CPEST	ug/kg	14								
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19								
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7								
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7								

				sys_loc_code:	A137		A138		A139		A14	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A137 0-12		A138 0-12		A139 0-12		A14 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/14/2009		07/15/2009		07/15/2009		07/01/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL								
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32								
60-57-1	Dieldrin	CPEST	ug/kg	0.72								
72-20-8	Endrin	CPEST	ug/kg	2.67								
72-43-5	Methoxychlor	CPEST	ug/kg	29.6								
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22								
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07								
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL								
76-44-8	Heptachlor	CPEST	ug/kg	68								
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1								
959-98-8	Endosulfan I	CPEST	ug/kg	2.9								
11096-82-5	Aroclor 1260	E608	ug/kg	21.6								
11097-69-1	Aroclor 1254	E608	ug/kg	23								
11100-14-4	Aroclor 1268	E608	ug/kg	21.6								
11104-28-2	Aroclor 1221	E608	ug/kg	21.6								
11141-16-5	Aroclor 1232	E608	ug/kg	21.6								
12672-29-6	Aroclor 1248	E608	ug/kg	21.6								
12674-11-2	Aroclor 1016	E608	ug/kg	21.6								
37324-23-5	Aroclor 1262	E608	ug/kg	21.6								
53469-21-9	Aroclor 1242	E608	ug/kg	21.6								
100-41-4	Ethylbenzene	E624	ug/kg	305								
100-42-5	Styrene	E624	ug/kg	7070								
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL								
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL								
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460								
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7								
107-06-2	1,2-Dichloroethane	E624	ug/kg	432								
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000								
108-87-2	Methylcyclohexane	E624	ug/kg	NL								
108-88-3	Toluene	E624	ug/kg	1090								
108-90-7	Chlorobenzene	E624	ug/kg	162								
110-82-7	Cyclohexane	E624	ug/kg	117000								
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473								

				sys_loc_code:	A137		A138		A139		A14	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A137 0-12		A138 0-12		A139 0-12		A14 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/14/2009		07/15/2009		07/15/2009		07/01/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
123-91-1	1,4-Dioxane	E624	ug/kg	44100								
124-48-1	Dibromochloromethane	E624	ug/kg	680								
127-18-4	Tetrachloroethene	E624	ug/kg	190								
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200								
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300								
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300								
179601-23-1	m,p-Xylene	E624	ug/kg	NL								
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842								
56-23-5	Carbon tetrachloride	E624	ug/kg	248								
591-78-6	2-Hexanone	E624	ug/kg	20900								
67-64-1	Acetone	E624	ug/kg	6130000								
67-66-3	Chloroform	E624	ug/kg	295								
71-43-2	Benzene	E624	ug/kg	137								
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856								
74-83-9	Bromomethane	E624	ug/kg	732								
74-87-3	Chloromethane	E624	ug/kg	11900								
74-97-5	Bromochloromethane	E624	ug/kg	NL								
75-00-3	Chloroethane	E624	ug/kg	1450000								
75-01-4	Vinyl Chloride	E624	ug/kg	59.7								
75-09-2	Methylene chloride	E624	ug/kg	10700								
75-15-0	Carbon Disulfide	E624	ug/kg	0.851								
75-25-2	Bromoform	E624	ug/kg	1310								
75-27-4	Bromodichloromethane	E624	ug/kg	273								
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310								
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780								
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700								
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400								
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000								
78-87-5	1,2-Dichloropropane	E624	ug/kg	895								
78-93-3	2-Butanone	E624	ug/kg	2780000								
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570								
79-01-6	Trichloroethene	E624	ug/kg	1600								
79-20-9	Methyl Acetate	E624	ug/kg	7820000								

				sys_loc_code:	A137		A138		A139		A14	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A137 0-12		A138 0-12		A139 0-12		A14 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/14/2009		07/15/2009		07/15/2009		07/01/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202								
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858								
95-47-6	o-Xylene	E624	ug/kg	NL								
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989								
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35								
98-82-8	Isopropylbenzene	E624	ug/kg	86								
100-01-6	4-Nitroaniline	E625	ug/kg	24300								
100-02-7	4-Nitrophenol	E625	ug/kg	NL								
100-52-7	Benzaldehyde	E625	ug/kg	782000								
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230								
105-60-2	Caprolactam	E625	ug/kg	3060000								
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29								
106-44-5	4-Methylphenol	E625	ug/kg	670								
106-47-8	4-Chloroaniline	E625	ug/kg	2430								
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570								
108-95-2	Phenol	E625	ug/kg	420								
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214								
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300								
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182								
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL								
118-74-1	Hexachlorobenzene	E625	ug/kg	20								
120-12-7	Anthracene	E625	ug/kg	46.9								
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117								
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6								
129-00-0	Pyrene	E625	ug/kg	153								
131-11-3	Dimethylphthalate	E625	ug/kg	NL								
132-64-9	Dibenzofuran	E625	ug/kg	7300								
1912-24-9	Atrazine	E625	ug/kg	6.62								
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170								
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17								
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148								
206-44-0	Fluoranthene	E625	ug/kg	113								
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240								

				sys_loc_code:	A137		A138		A139		A14	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A137 0-12		A138 0-12		A139 0-12		A14 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/14/2009		07/15/2009		07/15/2009		07/01/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
208-96-8	Acenaphthylene	E625	ug/kg	5.87								
218-01-9	Chrysene	E625	ug/kg	108								
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8								
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200								
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611								
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22								
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8								
58-90-2	Chlorophenols	E625	ug/kg	284								
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000								
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120								
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4								
67-72-1	Hexachloroethane	E625	ug/kg	804								
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL								
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139								
78-59-1	Isophorone	E625	ug/kg	511000								
83-32-9	Acenaphthene	E625	ug/kg	6.71								
84-66-2	Diethylphthalate	E625	ug/kg	218								
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160								
85-01-8	Phenanthrene	E625	ug/kg	86.7								
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800								
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100								
86-73-7	Fluorene	E625	ug/kg	19								
86-74-8	Carbazole	E625	ug/kg	NL								
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110								
87-86-5	Pentachlorophenol	E625	ug/kg	2970								
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650								
88-74-4	2-Nitroaniline	E625	ug/kg	60600								
88-75-5	2-Nitrophenol	E625	ug/kg	NL								
91-20-3	Naphthalene	E625	ug/kg	34.6								
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2								
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000								
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080								
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220								

				sys_loc_code:	A137		A138		A139		A14	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A137 0-12		A138 0-12		A139 0-12		A14 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/14/2009		07/15/2009		07/15/2009		07/01/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
95-48-7	2-Methylphenol	E625	ug/kg	306000								
95-57-8	2-Chlorophenol	E625	ug/kg	344								
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830								
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819								
98-86-2	Acetophenone	E625	ug/kg	782000								
98-95-3	Nitrobenzene	E625	ug/kg	4790								
99-09-2	3-Nitroaniline	E625	ug/kg	NL								

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Area 1 Sediment Samples < 12 inches

				sys_loc_code:	A140		A141		A142		A143	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A140 0-12		A141 0-12		A142 0-12		A143 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/14/2009		07/14/2009		07/15/2009		07/15/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	C200.7	mg/kg	7740								
7439-89-6	Iron	C200.7	mg/kg	2000								
7439-92-1	Lead	C200.7	mg/kg	30.2								
7439-95-4	Magnesium	C200.7	mg/kg	NL								
7439-96-5	Manganese	C200.7	mg/kg	183								
7440-02-0	Nickel	C200.7	mg/kg	15.9								
7440-09-7	Potassium	C200.7	mg/kg	NL								
7440-22-4	Silver	C200.7	mg/kg	0.73								
7440-23-5	Sodium	C200.7	mg/kg	NL								
7440-28-0	Thallium	C200.7	mg/kg	100000								
7440-31-5	Tin	C200.7	mg/kg	NL								
7440-36-0	Antimony	C200.7	mg/kg	2								
7440-38-2	Arsenic	C200.7	mg/kg	0.389								
7440-39-3	Barium	C200.7	mg/kg	130.1								
7440-41-7	Beryllium	C200.7	mg/kg	15.6								
7440-43-9	Cadmium	C200.7	mg/kg	0.68								
7440-47-3	Chromium	C200.7	mg/kg	52.3								
7440-48-4	Cobalt	C200.7	mg/kg	2.34								
7440-50-8	Copper	C200.7	mg/kg	18.7								
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548								
7440-66-6	Zinc	C200.7	mg/kg	124								
7440-70-2	Calcium	C200.7	mg/kg	NL								
7782-49-2	Selenium	C200.7	mg/kg	2								
7429-90-5	Aluminum	E200.7	mg/kg	7740	806		873		956		1070	
7439-89-6	Iron	E200.7	mg/kg	2000	7890		7100		6440		6310	
7439-92-1	Lead	E200.7	mg/kg	30.2	12.1		15.9					
7439-95-4	Magnesium	E200.7	mg/kg	NL	496	J	573	J	594		515	J
7439-96-5	Manganese	E200.7	mg/kg	183	24.6		26.3					
7440-02-0	Nickel	E200.7	mg/kg	15.9								
7440-09-7	Potassium	E200.7	mg/kg	NL	193	J	194	J	502	U	546	U
7440-22-4	Silver	E200.7	mg/kg	0.73								
7440-23-5	Sodium	E200.7	mg/kg	NL	1810		1850		2220		2020	
7440-31-5	Tin	E200.7	mg/kg	NL								

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Raritan Bay Slag Superfund Site
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Data Gap Technical Memorandum
Area 1 Sediment Samples < 12 inches

				sys_loc_code:	A140		A141		A142		A143	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A140 0-12		A141 0-12		A142 0-12		A143 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/14/2009		07/14/2009		07/15/2009		07/15/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7440-36-0	Antimony	E200.7	mg/kg	2								
7440-38-2	Arsenic	E200.7	mg/kg	0.389	7.4		6.3					
7440-47-3	Chromium	E200.7	mg/kg	52.3								
7440-50-8	Copper	E200.7	mg/kg	18.7	13.7		13.4					
7440-66-6	Zinc	E200.7	mg/kg	124	50.6		54.4					
7440-70-2	Calcium	E200.7	mg/kg	NL	549	J	886		1220		1140	
7439-92-1	Lead	E200.8	mg/kg	30.2					19	J	13.6	J
7439-96-5	Manganese	E200.8	mg/kg	183					31.2	J	36.7	J
7440-02-0	Nickel	E200.8	mg/kg	15.9	5.6		3.8		4.3		5.2	
7440-22-4	Silver	E200.8	mg/kg	0.73	0.31	UJ	0.31	UJ	0.31	UJ	0.3	UJ
7440-28-0	Thallium	E200.8	mg/kg	100000	0.61	U	0.62	U	0.63	U	0.59	U
7440-36-0	Antimony	E200.8	mg/kg	2	1.2	U	1.2	U	1.2	U	1.2	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389					5.6		5.9	
7440-39-3	Barium	E200.8	mg/kg	130.1	2.8	J	3.3	J	6.3	UJ	5.9	UJ
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.18	J	0.15	J	0.31	U	0.3	U
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.31	U	0.31	U	0.23	J	0.15	J
7440-47-3	Chromium	E200.8	mg/kg	52.3	9.6	J	8.5	J	9.2	J	8.6	J
7440-48-4	Cobalt	E200.8	mg/kg	2.34	1.6	J	1.2	J	1.5		1.3	
7440-50-8	Copper	E200.8	mg/kg	18.7					13.4		11.3	
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	20	J	12.5	J	14.4		14.7	
7440-66-6	Zinc	E200.8	mg/kg	124					50.8		47.3	
7782-49-2	Selenium	E200.8	mg/kg	2	0.61		0.4	J	0.45	J	0.6	
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.12		0.14		0.1		0.082	
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6								
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357								
309-00-2	Aldrin	CPEST	ug/kg	2								
319-84-6	Alpha-Bhc	CPEST	ug/kg	3								
319-85-7	Beta-Bhc	CPEST	ug/kg	3								
319-86-8	Delta-Bhc	CPEST	ug/kg	3								
33213-65-9	Endosulfan II	CPEST	ug/kg	14								
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19								
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7								
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7								

				sys_loc_code:	A140		A141		A142		A143	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A140 0-12		A141 0-12		A142 0-12		A143 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/14/2009		07/14/2009		07/15/2009		07/15/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL								
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32								
60-57-1	Dieldrin	CPEST	ug/kg	0.72								
72-20-8	Endrin	CPEST	ug/kg	2.67								
72-43-5	Methoxychlor	CPEST	ug/kg	29.6								
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22								
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07								
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL								
76-44-8	Heptachlor	CPEST	ug/kg	68								
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1								
959-98-8	Endosulfan I	CPEST	ug/kg	2.9								
11096-82-5	Aroclor 1260	E608	ug/kg	21.6								
11097-69-1	Aroclor 1254	E608	ug/kg	23								
11100-14-4	Aroclor 1268	E608	ug/kg	21.6								
11104-28-2	Aroclor 1221	E608	ug/kg	21.6								
11141-16-5	Aroclor 1232	E608	ug/kg	21.6								
12672-29-6	Aroclor 1248	E608	ug/kg	21.6								
12674-11-2	Aroclor 1016	E608	ug/kg	21.6								
37324-23-5	Aroclor 1262	E608	ug/kg	21.6								
53469-21-9	Aroclor 1242	E608	ug/kg	21.6								
100-41-4	Ethylbenzene	E624	ug/kg	305								
100-42-5	Styrene	E624	ug/kg	7070								
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL								
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL								
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460								
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7								
107-06-2	1,2-Dichloroethane	E624	ug/kg	432								
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000								
108-87-2	Methylcyclohexane	E624	ug/kg	NL								
108-88-3	Toluene	E624	ug/kg	1090								
108-90-7	Chlorobenzene	E624	ug/kg	162								
110-82-7	Cyclohexane	E624	ug/kg	117000								
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473								

				sys_loc_code:	A140		A141		A142		A143	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A140 0-12		A141 0-12		A142 0-12		A143 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/14/2009		07/14/2009		07/15/2009		07/15/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
123-91-1	1,4-Dioxane	E624	ug/kg	44100								
124-48-1	Dibromochloromethane	E624	ug/kg	680								
127-18-4	Tetrachloroethene	E624	ug/kg	190								
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200								
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300								
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300								
179601-23-1	m,p-Xylene	E624	ug/kg	NL								
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842								
56-23-5	Carbon tetrachloride	E624	ug/kg	248								
591-78-6	2-Hexanone	E624	ug/kg	20900								
67-64-1	Acetone	E624	ug/kg	6130000								
67-66-3	Chloroform	E624	ug/kg	295								
71-43-2	Benzene	E624	ug/kg	137								
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856								
74-83-9	Bromomethane	E624	ug/kg	732								
74-87-3	Chloromethane	E624	ug/kg	11900								
74-97-5	Bromochloromethane	E624	ug/kg	NL								
75-00-3	Chloroethane	E624	ug/kg	1450000								
75-01-4	Vinyl Chloride	E624	ug/kg	59.7								
75-09-2	Methylene chloride	E624	ug/kg	10700								
75-15-0	Carbon Disulfide	E624	ug/kg	0.851								
75-25-2	Bromoform	E624	ug/kg	1310								
75-27-4	Bromodichloromethane	E624	ug/kg	273								
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310								
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780								
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700								
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400								
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000								
78-87-5	1,2-Dichloropropane	E624	ug/kg	895								
78-93-3	2-Butanone	E624	ug/kg	2780000								
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570								
79-01-6	Trichloroethene	E624	ug/kg	1600								
79-20-9	Methyl Acetate	E624	ug/kg	7820000								

				sys_loc_code:	A140		A141		A142		A143	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A140 0-12		A141 0-12		A142 0-12		A143 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/14/2009		07/14/2009		07/15/2009		07/15/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202								
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858								
95-47-6	o-Xylene	E624	ug/kg	NL								
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989								
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35								
98-82-8	Isopropylbenzene	E624	ug/kg	86								
100-01-6	4-Nitroaniline	E625	ug/kg	24300								
100-02-7	4-Nitrophenol	E625	ug/kg	NL								
100-52-7	Benzaldehyde	E625	ug/kg	782000								
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230								
105-60-2	Caprolactam	E625	ug/kg	3060000								
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29								
106-44-5	4-Methylphenol	E625	ug/kg	670								
106-47-8	4-Chloroaniline	E625	ug/kg	2430								
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570								
108-95-2	Phenol	E625	ug/kg	420								
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214								
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300								
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182								
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL								
118-74-1	Hexachlorobenzene	E625	ug/kg	20								
120-12-7	Anthracene	E625	ug/kg	46.9								
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117								
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6								
129-00-0	Pyrene	E625	ug/kg	153								
131-11-3	Dimethylphthalate	E625	ug/kg	NL								
132-64-9	Dibenzofuran	E625	ug/kg	7300								
1912-24-9	Atrazine	E625	ug/kg	6.62								
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170								
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17								
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148								
206-44-0	Fluoranthene	E625	ug/kg	113								
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240								

				sys_loc_code:	A140		A141		A142		A143	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A140 0-12		A141 0-12		A142 0-12		A143 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/14/2009		07/14/2009		07/15/2009		07/15/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
208-96-8	Acenaphthylene	E625	ug/kg	5.87								
218-01-9	Chrysene	E625	ug/kg	108								
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8								
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200								
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611								
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22								
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8								
58-90-2	Chlorophenols	E625	ug/kg	284								
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000								
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120								
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4								
67-72-1	Hexachloroethane	E625	ug/kg	804								
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL								
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139								
78-59-1	Isophorone	E625	ug/kg	511000								
83-32-9	Acenaphthene	E625	ug/kg	6.71								
84-66-2	Diethylphthalate	E625	ug/kg	218								
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160								
85-01-8	Phenanthrene	E625	ug/kg	86.7								
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800								
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100								
86-73-7	Fluorene	E625	ug/kg	19								
86-74-8	Carbazole	E625	ug/kg	NL								
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110								
87-86-5	Pentachlorophenol	E625	ug/kg	2970								
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650								
88-74-4	2-Nitroaniline	E625	ug/kg	60600								
88-75-5	2-Nitrophenol	E625	ug/kg	NL								
91-20-3	Naphthalene	E625	ug/kg	34.6								
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2								
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000								
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080								
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220								

				sys_loc_code:	A140		A141		A142		A143	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A140 0-12		A141 0-12		A142 0-12		A143 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/14/2009		07/14/2009		07/15/2009		07/15/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
95-48-7	2-Methylphenol	E625	ug/kg	306000								
95-57-8	2-Chlorophenol	E625	ug/kg	344								
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830								
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819								
98-86-2	Acetophenone	E625	ug/kg	782000								
98-95-3	Nitrobenzene	E625	ug/kg	4790								
99-09-2	3-Nitroaniline	E625	ug/kg	NL								

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				sys_loc_code:	A144		A145		A146		A147	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A144 0-12		A145 0-12		A146 0-12		A147 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/15/2009		07/15/2009		07/14/2009		07/16/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	C200.7	mg/kg	7740								
7439-89-6	Iron	C200.7	mg/kg	2000								
7439-92-1	Lead	C200.7	mg/kg	30.2								
7439-95-4	Magnesium	C200.7	mg/kg	NL								
7439-96-5	Manganese	C200.7	mg/kg	183								
7440-02-0	Nickel	C200.7	mg/kg	15.9								
7440-09-7	Potassium	C200.7	mg/kg	NL								
7440-22-4	Silver	C200.7	mg/kg	0.73								
7440-23-5	Sodium	C200.7	mg/kg	NL								
7440-28-0	Thallium	C200.7	mg/kg	100000								
7440-31-5	Tin	C200.7	mg/kg	NL								
7440-36-0	Antimony	C200.7	mg/kg	2								
7440-38-2	Arsenic	C200.7	mg/kg	0.389								
7440-39-3	Barium	C200.7	mg/kg	130.1								
7440-41-7	Beryllium	C200.7	mg/kg	15.6								
7440-43-9	Cadmium	C200.7	mg/kg	0.68								
7440-47-3	Chromium	C200.7	mg/kg	52.3								
7440-48-4	Cobalt	C200.7	mg/kg	2.34								
7440-50-8	Copper	C200.7	mg/kg	18.7								
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548								
7440-66-6	Zinc	C200.7	mg/kg	124								
7440-70-2	Calcium	C200.7	mg/kg	NL								
7782-49-2	Selenium	C200.7	mg/kg	2								
7429-90-5	Aluminum	E200.7	mg/kg	7740	5140		2930	J	4130		1040	
7439-89-6	Iron	E200.7	mg/kg	2000	16700		5360		17000	J	6540	
7439-92-1	Lead	E200.7	mg/kg	30.2					6.8			
7439-95-4	Magnesium	E200.7	mg/kg	NL	2410		442		612		549	
7439-96-5	Manganese	E200.7	mg/kg	183					22			
7440-02-0	Nickel	E200.7	mg/kg	15.9								
7440-09-7	Potassium	E200.7	mg/kg	NL	1180		422	U	385	J	345	J
7440-22-4	Silver	E200.7	mg/kg	0.73								
7440-23-5	Sodium	E200.7	mg/kg	NL	3860		1580		1480		2010	
7440-31-5	Tin	E200.7	mg/kg	NL								

Raritan Bay Slag Superfund Site
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Area 1 Sediment Samples < 12 inches

					sys_loc_code:	A144		A145		A146		A147	
					loc_name:	Area-01		Area-01		Area-01		Area-01	
					sys_sample_code:	A144 0-12		A145 0-12		A146 0-12		A147 0-12	
					depth	0-12 in		0-12 in		0-12 in		0-12 in	
					sample_date:	07/15/2009		07/15/2009		07/14/2009		07/16/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED									
7440-36-0	Antimony	E200.7	mg/kg	2									
7440-38-2	Arsenic	E200.7	mg/kg	0.389						6.1			
7440-47-3	Chromium	E200.7	mg/kg	52.3									
7440-50-8	Copper	E200.7	mg/kg	18.7						7.3			
7440-66-6	Zinc	E200.7	mg/kg	124						25.3			
7440-70-2	Calcium	E200.7	mg/kg	NL	2990		405	R	487	J	1320		
7439-92-1	Lead	E200.8	mg/kg	30.2	12.8	J	6.7	J			11.2	J	
7439-96-5	Manganese	E200.8	mg/kg	183	136	J	16.2	J			18		
7440-02-0	Nickel	E200.8	mg/kg	15.9	8.5		2.7	J	3.3		2.7		
7440-22-4	Silver	E200.8	mg/kg	0.73	0.33	UJ	0.28	UJ	0.29	UJ	0.29	UJ	
7440-28-0	Thallium	E200.8	mg/kg	100000	0.66	U	0.55	U	0.58	U	0.58	U	
7440-36-0	Antimony	E200.8	mg/kg	2	1.3	U	1.1	U	1.1	U	1.2	U	
7440-38-2	Arsenic	E200.8	mg/kg	0.389	9		3.8				5.4		
7440-39-3	Barium	E200.8	mg/kg	130.1	8.7	J	5.5	UJ	5.1	J	2.9	J	
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.37		0.28	U	0.16	J	0.29	U	
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.16	J	0.056	J	0.29	U	0.09	J	
7440-47-3	Chromium	E200.8	mg/kg	52.3	14.1	J	6.6	J	9.8	J	6.2	J	
7440-48-4	Cobalt	E200.8	mg/kg	2.34	3.3		0.69		0.8	J	0.88		
7440-50-8	Copper	E200.8	mg/kg	18.7	10		5.2				11		
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	22.2		18.8		21.2	J	10.9	J	
7440-66-6	Zinc	E200.8	mg/kg	124	46.1		15.5	J			33	J	
7782-49-2	Selenium	E200.8	mg/kg	2	0.22	J	0.34	J	0.33	J	0.44	J	
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.05		0.035	U	0.067		0.092		
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6									
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357									
309-00-2	Aldrin	CPEST	ug/kg	2									
319-84-6	Alpha-Bhc	CPEST	ug/kg	3									
319-85-7	Beta-Bhc	CPEST	ug/kg	3									
319-86-8	Delta-Bhc	CPEST	ug/kg	3									
33213-65-9	Endosulfan II	CPEST	ug/kg	14									
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19									
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7									
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7									

				sys_loc_code:	A144		A145		A146		A147	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A144 0-12		A145 0-12		A146 0-12		A147 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/15/2009		07/15/2009		07/14/2009		07/16/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL								
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32								
60-57-1	Dieldrin	CPEST	ug/kg	0.72								
72-20-8	Endrin	CPEST	ug/kg	2.67								
72-43-5	Methoxychlor	CPEST	ug/kg	29.6								
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22								
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07								
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL								
76-44-8	Heptachlor	CPEST	ug/kg	68								
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1								
959-98-8	Endosulfan I	CPEST	ug/kg	2.9								
11096-82-5	Aroclor 1260	E608	ug/kg	21.6								
11097-69-1	Aroclor 1254	E608	ug/kg	23								
11100-14-4	Aroclor 1268	E608	ug/kg	21.6								
11104-28-2	Aroclor 1221	E608	ug/kg	21.6								
11141-16-5	Aroclor 1232	E608	ug/kg	21.6								
12672-29-6	Aroclor 1248	E608	ug/kg	21.6								
12674-11-2	Aroclor 1016	E608	ug/kg	21.6								
37324-23-5	Aroclor 1262	E608	ug/kg	21.6								
53469-21-9	Aroclor 1242	E608	ug/kg	21.6								
100-41-4	Ethylbenzene	E624	ug/kg	305								
100-42-5	Styrene	E624	ug/kg	7070								
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL								
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL								
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460								
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7								
107-06-2	1,2-Dichloroethane	E624	ug/kg	432								
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000								
108-87-2	Methylcyclohexane	E624	ug/kg	NL								
108-88-3	Toluene	E624	ug/kg	1090								
108-90-7	Chlorobenzene	E624	ug/kg	162								
110-82-7	Cyclohexane	E624	ug/kg	117000								
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473								

				sys_loc_code:	A144		A145		A146		A147	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A144 0-12		A145 0-12		A146 0-12		A147 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/15/2009		07/15/2009		07/14/2009		07/16/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
123-91-1	1,4-Dioxane	E624	ug/kg	44100								
124-48-1	Dibromochloromethane	E624	ug/kg	680								
127-18-4	Tetrachloroethene	E624	ug/kg	190								
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200								
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300								
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300								
179601-23-1	m,p-Xylene	E624	ug/kg	NL								
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842								
56-23-5	Carbon tetrachloride	E624	ug/kg	248								
591-78-6	2-Hexanone	E624	ug/kg	20900								
67-64-1	Acetone	E624	ug/kg	6130000								
67-66-3	Chloroform	E624	ug/kg	295								
71-43-2	Benzene	E624	ug/kg	137								
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856								
74-83-9	Bromomethane	E624	ug/kg	732								
74-87-3	Chloromethane	E624	ug/kg	11900								
74-97-5	Bromochloromethane	E624	ug/kg	NL								
75-00-3	Chloroethane	E624	ug/kg	1450000								
75-01-4	Vinyl Chloride	E624	ug/kg	59.7								
75-09-2	Methylene chloride	E624	ug/kg	10700								
75-15-0	Carbon Disulfide	E624	ug/kg	0.851								
75-25-2	Bromoform	E624	ug/kg	1310								
75-27-4	Bromodichloromethane	E624	ug/kg	273								
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310								
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780								
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700								
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400								
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000								
78-87-5	1,2-Dichloropropane	E624	ug/kg	895								
78-93-3	2-Butanone	E624	ug/kg	2780000								
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570								
79-01-6	Trichloroethene	E624	ug/kg	1600								
79-20-9	Methyl Acetate	E624	ug/kg	7820000								

				sys_loc_code:	A144		A145		A146		A147	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A144 0-12		A145 0-12		A146 0-12		A147 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/15/2009		07/15/2009		07/14/2009		07/16/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202								
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858								
95-47-6	o-Xylene	E624	ug/kg	NL								
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989								
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35								
98-82-8	Isopropylbenzene	E624	ug/kg	86								
100-01-6	4-Nitroaniline	E625	ug/kg	24300								
100-02-7	4-Nitrophenol	E625	ug/kg	NL								
100-52-7	Benzaldehyde	E625	ug/kg	782000								
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230								
105-60-2	Caprolactam	E625	ug/kg	3060000								
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29								
106-44-5	4-Methylphenol	E625	ug/kg	670								
106-47-8	4-Chloroaniline	E625	ug/kg	2430								
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570								
108-95-2	Phenol	E625	ug/kg	420								
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214								
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300								
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182								
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL								
118-74-1	Hexachlorobenzene	E625	ug/kg	20								
120-12-7	Anthracene	E625	ug/kg	46.9								
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117								
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6								
129-00-0	Pyrene	E625	ug/kg	153								
131-11-3	Dimethylphthalate	E625	ug/kg	NL								
132-64-9	Dibenzofuran	E625	ug/kg	7300								
1912-24-9	Atrazine	E625	ug/kg	6.62								
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170								
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17								
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148								
206-44-0	Fluoranthene	E625	ug/kg	113								
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240								

				sys_loc_code:	A144		A145		A146		A147	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A144 0-12		A145 0-12		A146 0-12		A147 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/15/2009		07/15/2009		07/14/2009		07/16/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
208-96-8	Acenaphthylene	E625	ug/kg	5.87								
218-01-9	Chrysene	E625	ug/kg	108								
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8								
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200								
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611								
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22								
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8								
58-90-2	Chlorophenols	E625	ug/kg	284								
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000								
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120								
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4								
67-72-1	Hexachloroethane	E625	ug/kg	804								
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL								
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139								
78-59-1	Isophorone	E625	ug/kg	511000								
83-32-9	Acenaphthene	E625	ug/kg	6.71								
84-66-2	Diethylphthalate	E625	ug/kg	218								
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160								
85-01-8	Phenanthrene	E625	ug/kg	86.7								
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800								
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100								
86-73-7	Fluorene	E625	ug/kg	19								
86-74-8	Carbazole	E625	ug/kg	NL								
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110								
87-86-5	Pentachlorophenol	E625	ug/kg	2970								
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650								
88-74-4	2-Nitroaniline	E625	ug/kg	60600								
88-75-5	2-Nitrophenol	E625	ug/kg	NL								
91-20-3	Naphthalene	E625	ug/kg	34.6								
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2								
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000								
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080								
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220								

				sys_loc_code:	A144		A145		A146		A147	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A144 0-12		A145 0-12		A146 0-12		A147 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/15/2009		07/15/2009		07/14/2009		07/16/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
95-48-7	2-Methylphenol	E625	ug/kg	306000								
95-57-8	2-Chlorophenol	E625	ug/kg	344								
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830								
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819								
98-86-2	Acetophenone	E625	ug/kg	782000								
98-95-3	Nitrobenzene	E625	ug/kg	4790								
99-09-2	3-Nitroaniline	E625	ug/kg	NL								

Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 1 Sediment Samples < 12 inches

				sys_loc_code:	A148			A149			A15			A150		
				loc_name:	Area-01			Area-01			Area-01			Area-01		
				sys_sample_code:	A148 0-12			A149 0-12			A15 0-12			A150 0-12		
				depth	0-12 in			0-12 in			0-12 in			0-12 in		
				sample_date:	07/16/2009			07/16/2009			07/01/2009			07/16/2009		
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED												
7429-90-5	Aluminum	C200.7	mg/kg	7740												
7439-89-6	Iron	C200.7	mg/kg	2000												
7439-92-1	Lead	C200.7	mg/kg	30.2												
7439-95-4	Magnesium	C200.7	mg/kg	NL												
7439-96-5	Manganese	C200.7	mg/kg	183												
7440-02-0	Nickel	C200.7	mg/kg	15.9												
7440-09-7	Potassium	C200.7	mg/kg	NL												
7440-22-4	Silver	C200.7	mg/kg	0.73												
7440-23-5	Sodium	C200.7	mg/kg	NL												
7440-28-0	Thallium	C200.7	mg/kg	100000												
7440-31-5	Tin	C200.7	mg/kg	NL												
7440-36-0	Antimony	C200.7	mg/kg	2												
7440-38-2	Arsenic	C200.7	mg/kg	0.389												
7440-39-3	Barium	C200.7	mg/kg	130.1												
7440-41-7	Beryllium	C200.7	mg/kg	15.6												
7440-43-9	Cadmium	C200.7	mg/kg	0.68												
7440-47-3	Chromium	C200.7	mg/kg	52.3												
7440-48-4	Cobalt	C200.7	mg/kg	2.34												
7440-50-8	Copper	C200.7	mg/kg	18.7												
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548												
7440-66-6	Zinc	C200.7	mg/kg	124												
7440-70-2	Calcium	C200.7	mg/kg	NL												
7782-49-2	Selenium	C200.7	mg/kg	2												
7429-90-5	Aluminum	E200.7	mg/kg	7740	1590			1200			1310			1160		
7439-89-6	Iron	E200.7	mg/kg	2000	27100			5940			14400			8590		
7439-92-1	Lead	E200.7	mg/kg	30.2							48.4	J				
7439-95-4	Magnesium	E200.7	mg/kg	NL	530	J		459			511	J		527	J	
7439-96-5	Manganese	E200.7	mg/kg	183							69	J				
7440-02-0	Nickel	E200.7	mg/kg	15.9												
7440-09-7	Potassium	E200.7	mg/kg	NL	537	U		435	U		209	J		543	U	
7440-22-4	Silver	E200.7	mg/kg	0.73												
7440-23-5	Sodium	E200.7	mg/kg	NL	1480			1850			1800			2110		
7440-31-5	Tin	E200.7	mg/kg	NL												

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Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 1 Sediment Samples < 12 inches

				sys_loc_code:	A148		A149		A15		A150	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A148 0-12		A149 0-12		A15 0-12		A150 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/16/2009		07/16/2009		07/01/2009		07/16/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7440-36-0	Antimony	E200.7	mg/kg	2								
7440-38-2	Arsenic	E200.7	mg/kg	0.389					7.9			
7440-47-3	Chromium	E200.7	mg/kg	52.3								
7440-50-8	Copper	E200.7	mg/kg	18.7					18.2			
7440-66-6	Zinc	E200.7	mg/kg	124					80.1			
7440-70-2	Calcium	E200.7	mg/kg	NL	1880		3980		568	U	4640	R
7439-92-1	Lead	E200.8	mg/kg	30.2	24.5	J	9.6	J			19.2	J
7439-96-5	Manganese	E200.8	mg/kg	183	33.9		33.2				37.6	
7440-02-0	Nickel	E200.8	mg/kg	15.9	6.8		3.2		5.3		3	
7440-22-4	Silver	E200.8	mg/kg	0.73	0.29	UJ	0.29	UJ	0.32	J	0.29	UJ
7440-28-0	Thallium	E200.8	mg/kg	100000	0.58	U	0.57	U	0.59	U	0.58	U
7440-36-0	Antimony	E200.8	mg/kg	2	1.3	U	1.1	U	1.8		1.2	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389	8.4		4.3				5.9	J
7440-39-3	Barium	E200.8	mg/kg	130.1	6.9	J	2.4	J	5.9	UJ	3	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.29	U	0.29	U	0.29	U	0.29	U
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.32		0.11	J	0.52		0.11	J
7440-47-3	Chromium	E200.8	mg/kg	52.3	11.2	J	7.8	J	11.6		7.8	J
7440-48-4	Cobalt	E200.8	mg/kg	2.34	2		1.3		2	J	1.3	
7440-50-8	Copper	E200.8	mg/kg	18.7	23.9		6.3				9	
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	13.6	J	18.9	J	20.1		15.2	J
7440-66-6	Zinc	E200.8	mg/kg	124	68.4	J	33.1	J			42.4	J
7782-49-2	Selenium	E200.8	mg/kg	2	1		0.29	J	0.59	U	0.22	J
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.1		0.054		0.12		0.056	
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6								
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357								
309-00-2	Aldrin	CPEST	ug/kg	2								
319-84-6	Alpha-Bhc	CPEST	ug/kg	3								
319-85-7	Beta-Bhc	CPEST	ug/kg	3								
319-86-8	Delta-Bhc	CPEST	ug/kg	3								
33213-65-9	Endosulfan II	CPEST	ug/kg	14								
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19								
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7								
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7								

				sys_loc_code:	A148		A149		A15		A150	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A148 0-12		A149 0-12		A15 0-12		A150 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/16/2009		07/16/2009		07/01/2009		07/16/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL								
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32								
60-57-1	Dieldrin	CPEST	ug/kg	0.72								
72-20-8	Endrin	CPEST	ug/kg	2.67								
72-43-5	Methoxychlor	CPEST	ug/kg	29.6								
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22								
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07								
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL								
76-44-8	Heptachlor	CPEST	ug/kg	68								
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1								
959-98-8	Endosulfan I	CPEST	ug/kg	2.9								
11096-82-5	Aroclor 1260	E608	ug/kg	21.6								
11097-69-1	Aroclor 1254	E608	ug/kg	23								
11100-14-4	Aroclor 1268	E608	ug/kg	21.6								
11104-28-2	Aroclor 1221	E608	ug/kg	21.6								
11141-16-5	Aroclor 1232	E608	ug/kg	21.6								
12672-29-6	Aroclor 1248	E608	ug/kg	21.6								
12674-11-2	Aroclor 1016	E608	ug/kg	21.6								
37324-23-5	Aroclor 1262	E608	ug/kg	21.6								
53469-21-9	Aroclor 1242	E608	ug/kg	21.6								
100-41-4	Ethylbenzene	E624	ug/kg	305								
100-42-5	Styrene	E624	ug/kg	7070								
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL								
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL								
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460								
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7								
107-06-2	1,2-Dichloroethane	E624	ug/kg	432								
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000								
108-87-2	Methylcyclohexane	E624	ug/kg	NL								
108-88-3	Toluene	E624	ug/kg	1090								
108-90-7	Chlorobenzene	E624	ug/kg	162								
110-82-7	Cyclohexane	E624	ug/kg	117000								
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473								

				sys_loc_code:	A148		A149		A15		A150	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A148 0-12		A149 0-12		A15 0-12		A150 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/16/2009		07/16/2009		07/01/2009		07/16/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
123-91-1	1,4-Dioxane	E624	ug/kg	44100								
124-48-1	Dibromochloromethane	E624	ug/kg	680								
127-18-4	Tetrachloroethene	E624	ug/kg	190								
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200								
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300								
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300								
179601-23-1	m,p-Xylene	E624	ug/kg	NL								
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842								
56-23-5	Carbon tetrachloride	E624	ug/kg	248								
591-78-6	2-Hexanone	E624	ug/kg	20900								
67-64-1	Acetone	E624	ug/kg	6130000								
67-66-3	Chloroform	E624	ug/kg	295								
71-43-2	Benzene	E624	ug/kg	137								
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856								
74-83-9	Bromomethane	E624	ug/kg	732								
74-87-3	Chloromethane	E624	ug/kg	11900								
74-97-5	Bromochloromethane	E624	ug/kg	NL								
75-00-3	Chloroethane	E624	ug/kg	1450000								
75-01-4	Vinyl Chloride	E624	ug/kg	59.7								
75-09-2	Methylene chloride	E624	ug/kg	10700								
75-15-0	Carbon Disulfide	E624	ug/kg	0.851								
75-25-2	Bromoform	E624	ug/kg	1310								
75-27-4	Bromodichloromethane	E624	ug/kg	273								
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310								
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780								
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700								
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400								
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000								
78-87-5	1,2-Dichloropropane	E624	ug/kg	895								
78-93-3	2-Butanone	E624	ug/kg	2780000								
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570								
79-01-6	Trichloroethene	E624	ug/kg	1600								
79-20-9	Methyl Acetate	E624	ug/kg	7820000								

				sys_loc_code:	A148		A149		A15		A150	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A148 0-12		A149 0-12		A15 0-12		A150 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/16/2009		07/16/2009		07/01/2009		07/16/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202								
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858								
95-47-6	o-Xylene	E624	ug/kg	NL								
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989								
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35								
98-82-8	Isopropylbenzene	E624	ug/kg	86								
100-01-6	4-Nitroaniline	E625	ug/kg	24300								
100-02-7	4-Nitrophenol	E625	ug/kg	NL								
100-52-7	Benzaldehyde	E625	ug/kg	782000								
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230								
105-60-2	Caprolactam	E625	ug/kg	3060000								
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29								
106-44-5	4-Methylphenol	E625	ug/kg	670								
106-47-8	4-Chloroaniline	E625	ug/kg	2430								
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570								
108-95-2	Phenol	E625	ug/kg	420								
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214								
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300								
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182								
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL								
118-74-1	Hexachlorobenzene	E625	ug/kg	20								
120-12-7	Anthracene	E625	ug/kg	46.9								
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117								
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6								
129-00-0	Pyrene	E625	ug/kg	153								
131-11-3	Dimethylphthalate	E625	ug/kg	NL								
132-64-9	Dibenzofuran	E625	ug/kg	7300								
1912-24-9	Atrazine	E625	ug/kg	6.62								
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170								
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17								
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148								
206-44-0	Fluoranthene	E625	ug/kg	113								
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240								

				sys_loc_code:	A148		A149		A15		A150	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A148 0-12		A149 0-12		A15 0-12		A150 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/16/2009		07/16/2009		07/01/2009		07/16/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
208-96-8	Acenaphthylene	E625	ug/kg	5.87								
218-01-9	Chrysene	E625	ug/kg	108								
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8								
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200								
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611								
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22								
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8								
58-90-2	Chlorophenols	E625	ug/kg	284								
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000								
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120								
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4								
67-72-1	Hexachloroethane	E625	ug/kg	804								
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL								
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139								
78-59-1	Isophorone	E625	ug/kg	511000								
83-32-9	Acenaphthene	E625	ug/kg	6.71								
84-66-2	Diethylphthalate	E625	ug/kg	218								
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160								
85-01-8	Phenanthrene	E625	ug/kg	86.7								
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800								
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100								
86-73-7	Fluorene	E625	ug/kg	19								
86-74-8	Carbazole	E625	ug/kg	NL								
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110								
87-86-5	Pentachlorophenol	E625	ug/kg	2970								
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650								
88-74-4	2-Nitroaniline	E625	ug/kg	60600								
88-75-5	2-Nitrophenol	E625	ug/kg	NL								
91-20-3	Naphthalene	E625	ug/kg	34.6								
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2								
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000								
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080								
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220								

				sys_loc_code:	A148		A149		A15		A150	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A148 0-12		A149 0-12		A15 0-12		A150 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/16/2009		07/16/2009		07/01/2009		07/16/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
95-48-7	2-Methylphenol	E625	ug/kg	306000								
95-57-8	2-Chlorophenol	E625	ug/kg	344								
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830								
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819								
98-86-2	Acetophenone	E625	ug/kg	782000								
98-95-3	Nitrobenzene	E625	ug/kg	4790								
99-09-2	3-Nitroaniline	E625	ug/kg	NL								

				sys_loc_code:	A151		A152		A153		A154	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A151 0-12		A152 0-12		A153 0-12		A154 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/22/2009		07/22/2009		07/21/2009		07/21/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	C200.7	mg/kg	7740								
7439-89-6	Iron	C200.7	mg/kg	2000								
7439-92-1	Lead	C200.7	mg/kg	30.2								
7439-95-4	Magnesium	C200.7	mg/kg	NL								
7439-96-5	Manganese	C200.7	mg/kg	183								
7440-02-0	Nickel	C200.7	mg/kg	15.9								
7440-09-7	Potassium	C200.7	mg/kg	NL								
7440-22-4	Silver	C200.7	mg/kg	0.73								
7440-23-5	Sodium	C200.7	mg/kg	NL								
7440-28-0	Thallium	C200.7	mg/kg	100000								
7440-31-5	Tin	C200.7	mg/kg	NL								
7440-36-0	Antimony	C200.7	mg/kg	2								
7440-38-2	Arsenic	C200.7	mg/kg	0.389								
7440-39-3	Barium	C200.7	mg/kg	130.1								
7440-41-7	Beryllium	C200.7	mg/kg	15.6								
7440-43-9	Cadmium	C200.7	mg/kg	0.68								
7440-47-3	Chromium	C200.7	mg/kg	52.3								
7440-48-4	Cobalt	C200.7	mg/kg	2.34								
7440-50-8	Copper	C200.7	mg/kg	18.7								
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548								
7440-66-6	Zinc	C200.7	mg/kg	124								
7440-70-2	Calcium	C200.7	mg/kg	NL								
7782-49-2	Selenium	C200.7	mg/kg	2								
7429-90-5	Aluminum	E200.7	mg/kg	7740	1620		2250		3820		3220	
7439-89-6	Iron	E200.7	mg/kg	2000	11200		10200		19600	J	22800	J
7439-92-1	Lead	E200.7	mg/kg	30.2								
7439-95-4	Magnesium	E200.7	mg/kg	NL	615		641		656	J	660	J
7439-96-5	Manganese	E200.7	mg/kg	183								
7440-02-0	Nickel	E200.7	mg/kg	15.9								
7440-09-7	Potassium	E200.7	mg/kg	NL	610	U	590	U	589	U	577	U
7440-22-4	Silver	E200.7	mg/kg	0.73								
7440-23-5	Sodium	E200.7	mg/kg	NL	1900		1760		1220		1220	
7440-31-5	Tin	E200.7	mg/kg	NL								

Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 1 Sediment Samples < 12 inches

				sys_loc_code:	A151		A152		A153		A154	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A151 0-12		A152 0-12		A153 0-12		A154 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/22/2009		07/22/2009		07/21/2009		07/21/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7440-36-0	Antimony	E200.7	mg/kg	2								
7440-38-2	Arsenic	E200.7	mg/kg	0.389								
7440-47-3	Chromium	E200.7	mg/kg	52.3								
7440-50-8	Copper	E200.7	mg/kg	18.7								
7440-66-6	Zinc	E200.7	mg/kg	124								
7440-70-2	Calcium	E200.7	mg/kg	NL	1680		1360		1010	J	4530	
7439-92-1	Lead	E200.8	mg/kg	30.2	15.5		18.7		8.5		11	
7439-96-5	Manganese	E200.8	mg/kg	183	23.8		33.6		24.2		58.2	
7440-02-0	Nickel	E200.8	mg/kg	15.9	7.1		7.5		4.6		8.5	
7440-22-4	Silver	E200.8	mg/kg	0.73	0.3	U	0.29	U	0.29	J	0.29	J
7440-28-0	Thallium	E200.8	mg/kg	100000	0.61	U	0.59	U	0.59	J	0.58	J
7440-36-0	Antimony	E200.8	mg/kg	2	1.2	U	1.2	U	1.2	J	1.1	J
7440-38-2	Arsenic	E200.8	mg/kg	0.389	10.4	J	11.4	J	6.8		13.1	
7440-39-3	Barium	E200.8	mg/kg	130.1	6.1	U	5.9	U	5.9	J	5.8	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.21	J	0.34		0.36		1.3	
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.3	U	0.29	U	0.29	J	0.29	J
7440-47-3	Chromium	E200.8	mg/kg	52.3	13.2		14		11.8		16.8	
7440-48-4	Cobalt	E200.8	mg/kg	2.34	1.4		2.8		1.2		2.6	
7440-50-8	Copper	E200.8	mg/kg	18.7	17.6		19.3		8.4		9.7	
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	19	J	20.8	J	29.4		42.3	
7440-66-6	Zinc	E200.8	mg/kg	124	50.7		67		29.8		57.8	
7782-49-2	Selenium	E200.8	mg/kg	2	1.2		0.76		0.6		0.66	
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.19		0.25		0.11		0.089	
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6								
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357								
309-00-2	Aldrin	CPEST	ug/kg	2								
319-84-6	Alpha-Bhc	CPEST	ug/kg	3								
319-85-7	Beta-Bhc	CPEST	ug/kg	3								
319-86-8	Delta-Bhc	CPEST	ug/kg	3								
33213-65-9	Endosulfan II	CPEST	ug/kg	14								
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19								
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7								
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7								

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				sys_loc_code:	A151		A152		A153		A154	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A151 0-12		A152 0-12		A153 0-12		A154 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/22/2009		07/22/2009		07/21/2009		07/21/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL								
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32								
60-57-1	Dieldrin	CPEST	ug/kg	0.72								
72-20-8	Endrin	CPEST	ug/kg	2.67								
72-43-5	Methoxychlor	CPEST	ug/kg	29.6								
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22								
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07								
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL								
76-44-8	Heptachlor	CPEST	ug/kg	68								
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1								
959-98-8	Endosulfan I	CPEST	ug/kg	2.9								
11096-82-5	Aroclor 1260	E608	ug/kg	21.6								
11097-69-1	Aroclor 1254	E608	ug/kg	23								
11100-14-4	Aroclor 1268	E608	ug/kg	21.6								
11104-28-2	Aroclor 1221	E608	ug/kg	21.6								
11141-16-5	Aroclor 1232	E608	ug/kg	21.6								
12672-29-6	Aroclor 1248	E608	ug/kg	21.6								
12674-11-2	Aroclor 1016	E608	ug/kg	21.6								
37324-23-5	Aroclor 1262	E608	ug/kg	21.6								
53469-21-9	Aroclor 1242	E608	ug/kg	21.6								
100-41-4	Ethylbenzene	E624	ug/kg	305								
100-42-5	Styrene	E624	ug/kg	7070								
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL								
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL								
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460								
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7								
107-06-2	1,2-Dichloroethane	E624	ug/kg	432								
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000								
108-87-2	Methylcyclohexane	E624	ug/kg	NL								
108-88-3	Toluene	E624	ug/kg	1090								
108-90-7	Chlorobenzene	E624	ug/kg	162								
110-82-7	Cyclohexane	E624	ug/kg	117000								
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473								

				sys_loc_code:	A151		A152		A153		A154	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A151 0-12		A152 0-12		A153 0-12		A154 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/22/2009		07/22/2009		07/21/2009		07/21/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
123-91-1	1,4-Dioxane	E624	ug/kg	44100								
124-48-1	Dibromochloromethane	E624	ug/kg	680								
127-18-4	Tetrachloroethene	E624	ug/kg	190								
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200								
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300								
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300								
179601-23-1	m,p-Xylene	E624	ug/kg	NL								
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842								
56-23-5	Carbon tetrachloride	E624	ug/kg	248								
591-78-6	2-Hexanone	E624	ug/kg	20900								
67-64-1	Acetone	E624	ug/kg	6130000								
67-66-3	Chloroform	E624	ug/kg	295								
71-43-2	Benzene	E624	ug/kg	137								
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856								
74-83-9	Bromomethane	E624	ug/kg	732								
74-87-3	Chloromethane	E624	ug/kg	11900								
74-97-5	Bromochloromethane	E624	ug/kg	NL								
75-00-3	Chloroethane	E624	ug/kg	1450000								
75-01-4	Vinyl Chloride	E624	ug/kg	59.7								
75-09-2	Methylene chloride	E624	ug/kg	10700								
75-15-0	Carbon Disulfide	E624	ug/kg	0.851								
75-25-2	Bromoform	E624	ug/kg	1310								
75-27-4	Bromodichloromethane	E624	ug/kg	273								
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310								
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780								
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700								
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400								
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000								
78-87-5	1,2-Dichloropropane	E624	ug/kg	895								
78-93-3	2-Butanone	E624	ug/kg	2780000								
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570								
79-01-6	Trichloroethene	E624	ug/kg	1600								
79-20-9	Methyl Acetate	E624	ug/kg	7820000								

				sys_loc_code:	A151		A152		A153		A154	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A151 0-12		A152 0-12		A153 0-12		A154 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/22/2009		07/22/2009		07/21/2009		07/21/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202								
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858								
95-47-6	o-Xylene	E624	ug/kg	NL								
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989								
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35								
98-82-8	Isopropylbenzene	E624	ug/kg	86								
100-01-6	4-Nitroaniline	E625	ug/kg	24300								
100-02-7	4-Nitrophenol	E625	ug/kg	NL								
100-52-7	Benzaldehyde	E625	ug/kg	782000								
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230								
105-60-2	Caprolactam	E625	ug/kg	3060000								
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29								
106-44-5	4-Methylphenol	E625	ug/kg	670								
106-47-8	4-Chloroaniline	E625	ug/kg	2430								
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570								
108-95-2	Phenol	E625	ug/kg	420								
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214								
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300								
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182								
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL								
118-74-1	Hexachlorobenzene	E625	ug/kg	20								
120-12-7	Anthracene	E625	ug/kg	46.9								
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117								
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6								
129-00-0	Pyrene	E625	ug/kg	153								
131-11-3	Dimethylphthalate	E625	ug/kg	NL								
132-64-9	Dibenzofuran	E625	ug/kg	7300								
1912-24-9	Atrazine	E625	ug/kg	6.62								
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170								
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17								
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148								
206-44-0	Fluoranthene	E625	ug/kg	113								
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240								

				sys_loc_code:	A151		A152		A153		A154	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A151 0-12		A152 0-12		A153 0-12		A154 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/22/2009		07/22/2009		07/21/2009		07/21/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
208-96-8	Acenaphthylene	E625	ug/kg	5.87								
218-01-9	Chrysene	E625	ug/kg	108								
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8								
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200								
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611								
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22								
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8								
58-90-2	Chlorophenols	E625	ug/kg	284								
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000								
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120								
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4								
67-72-1	Hexachloroethane	E625	ug/kg	804								
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL								
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139								
78-59-1	Isophorone	E625	ug/kg	511000								
83-32-9	Acenaphthene	E625	ug/kg	6.71								
84-66-2	Diethylphthalate	E625	ug/kg	218								
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160								
85-01-8	Phenanthrene	E625	ug/kg	86.7								
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800								
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100								
86-73-7	Fluorene	E625	ug/kg	19								
86-74-8	Carbazole	E625	ug/kg	NL								
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110								
87-86-5	Pentachlorophenol	E625	ug/kg	2970								
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650								
88-74-4	2-Nitroaniline	E625	ug/kg	60600								
88-75-5	2-Nitrophenol	E625	ug/kg	NL								
91-20-3	Naphthalene	E625	ug/kg	34.6								
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2								
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000								
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080								
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220								

				sys_loc_code:	A151		A152		A153		A154	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A151 0-12		A152 0-12		A153 0-12		A154 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/22/2009		07/22/2009		07/21/2009		07/21/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
95-48-7	2-Methylphenol	E625	ug/kg	306000								
95-57-8	2-Chlorophenol	E625	ug/kg	344								
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830								
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819								
98-86-2	Acetophenone	E625	ug/kg	782000								
98-95-3	Nitrobenzene	E625	ug/kg	4790								
99-09-2	3-Nitroaniline	E625	ug/kg	NL								

				sys_loc_code:	A155		A156		A157		A158	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A155 0-12		A156 0-12		A157 0-12		A158 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/21/2009		07/21/2009		07/21/2009		07/21/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	C200.7	mg/kg	7740								
7439-89-6	Iron	C200.7	mg/kg	2000								
7439-92-1	Lead	C200.7	mg/kg	30.2								
7439-95-4	Magnesium	C200.7	mg/kg	NL								
7439-96-5	Manganese	C200.7	mg/kg	183								
7440-02-0	Nickel	C200.7	mg/kg	15.9								
7440-09-7	Potassium	C200.7	mg/kg	NL								
7440-22-4	Silver	C200.7	mg/kg	0.73								
7440-23-5	Sodium	C200.7	mg/kg	NL								
7440-28-0	Thallium	C200.7	mg/kg	100000								
7440-31-5	Tin	C200.7	mg/kg	NL								
7440-36-0	Antimony	C200.7	mg/kg	2								
7440-38-2	Arsenic	C200.7	mg/kg	0.389								
7440-39-3	Barium	C200.7	mg/kg	130.1								
7440-41-7	Beryllium	C200.7	mg/kg	15.6								
7440-43-9	Cadmium	C200.7	mg/kg	0.68								
7440-47-3	Chromium	C200.7	mg/kg	52.3								
7440-48-4	Cobalt	C200.7	mg/kg	2.34								
7440-50-8	Copper	C200.7	mg/kg	18.7								
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548								
7440-66-6	Zinc	C200.7	mg/kg	124								
7440-70-2	Calcium	C200.7	mg/kg	NL								
7782-49-2	Selenium	C200.7	mg/kg	2								
7429-90-5	Aluminum	E200.7	mg/kg	7740	2940		2220		1910		2060	
7439-89-6	Iron	E200.7	mg/kg	2000	21200	J	18100	J	8960	J	20100	
7439-92-1	Lead	E200.7	mg/kg	30.2								
7439-95-4	Magnesium	E200.7	mg/kg	NL	561	J	554	J	617	J	446	J
7439-96-5	Manganese	E200.7	mg/kg	183								
7440-02-0	Nickel	E200.7	mg/kg	15.9								
7440-09-7	Potassium	E200.7	mg/kg	NL	614	U	597	U	619	U	610	U
7440-22-4	Silver	E200.7	mg/kg	0.73								
7440-23-5	Sodium	E200.7	mg/kg	NL	1660		1550		1660		1570	
7440-31-5	Tin	E200.7	mg/kg	NL								

Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 1 Sediment Samples < 12 inches

				sys_loc_code:	A155		A156		A157		A158	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A155 0-12		A156 0-12		A157 0-12		A158 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/21/2009		07/21/2009		07/21/2009		07/21/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7440-36-0	Antimony	E200.7	mg/kg	2								
7440-38-2	Arsenic	E200.7	mg/kg	0.389								
7440-47-3	Chromium	E200.7	mg/kg	52.3								
7440-50-8	Copper	E200.7	mg/kg	18.7								
7440-66-6	Zinc	E200.7	mg/kg	124								
7440-70-2	Calcium	E200.7	mg/kg	NL	2300	J	3250		2610	J	402	J
7439-92-1	Lead	E200.8	mg/kg	30.2	11.4		10.3		16.9		11.2	
7439-96-5	Manganese	E200.8	mg/kg	183	37.9		34.2		28.3		21.2	
7440-02-0	Nickel	E200.8	mg/kg	15.9	9.4		6.9		6.3		4.2	
7440-22-4	Silver	E200.8	mg/kg	0.73	0.31	J	0.3	J	0.31	J	0.3	U
7440-28-0	Thallium	E200.8	mg/kg	100000	0.61	J	0.6	J	0.62	J	0.61	U
7440-36-0	Antimony	E200.8	mg/kg	2	1.2	J	1.2	J	1.2	J	1.2	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389	10		11.8		8.6		8	J
7440-39-3	Barium	E200.8	mg/kg	130.1	6.1	J	6	J	6.2	J	6.1	U
7440-41-7	Beryllium	E200.8	mg/kg	15.6	1.3		0.47		0.23	J	0.63	
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.31	J	0.3	J	0.31	J	0.3	U
7440-47-3	Chromium	E200.8	mg/kg	52.3	17.5		24.9		10.3		18.3	
7440-48-4	Cobalt	E200.8	mg/kg	2.34	3.2		2		1.4		1.5	
7440-50-8	Copper	E200.8	mg/kg	18.7	10.3		12.8		13.1		6.3	
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	54.3		46.7		15.7		62.4	J
7440-66-6	Zinc	E200.8	mg/kg	124	57		70.7		48		342	
7782-49-2	Selenium	E200.8	mg/kg	2	0.73		0.75		0.72		0.61	U
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.094		0.079		0.15		0.056	
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6								
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357								
309-00-2	Aldrin	CPEST	ug/kg	2								
319-84-6	Alpha-Bhc	CPEST	ug/kg	3								
319-85-7	Beta-Bhc	CPEST	ug/kg	3								
319-86-8	Delta-Bhc	CPEST	ug/kg	3								
33213-65-9	Endosulfan II	CPEST	ug/kg	14								
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19								
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7								
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7								

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				sys_loc_code:	A155		A156		A157		A158	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A155 0-12		A156 0-12		A157 0-12		A158 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/21/2009		07/21/2009		07/21/2009		07/21/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL								
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32								
60-57-1	Dieldrin	CPEST	ug/kg	0.72								
72-20-8	Endrin	CPEST	ug/kg	2.67								
72-43-5	Methoxychlor	CPEST	ug/kg	29.6								
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22								
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07								
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL								
76-44-8	Heptachlor	CPEST	ug/kg	68								
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1								
959-98-8	Endosulfan I	CPEST	ug/kg	2.9								
11096-82-5	Aroclor 1260	E608	ug/kg	21.6								
11097-69-1	Aroclor 1254	E608	ug/kg	23								
11100-14-4	Aroclor 1268	E608	ug/kg	21.6								
11104-28-2	Aroclor 1221	E608	ug/kg	21.6								
11141-16-5	Aroclor 1232	E608	ug/kg	21.6								
12672-29-6	Aroclor 1248	E608	ug/kg	21.6								
12674-11-2	Aroclor 1016	E608	ug/kg	21.6								
37324-23-5	Aroclor 1262	E608	ug/kg	21.6								
53469-21-9	Aroclor 1242	E608	ug/kg	21.6								
100-41-4	Ethylbenzene	E624	ug/kg	305								
100-42-5	Styrene	E624	ug/kg	7070								
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL								
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL								
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460								
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7								
107-06-2	1,2-Dichloroethane	E624	ug/kg	432								
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000								
108-87-2	Methylcyclohexane	E624	ug/kg	NL								
108-88-3	Toluene	E624	ug/kg	1090								
108-90-7	Chlorobenzene	E624	ug/kg	162								
110-82-7	Cyclohexane	E624	ug/kg	117000								
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473								

				sys_loc_code:	A155		A156		A157		A158	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A155 0-12		A156 0-12		A157 0-12		A158 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/21/2009		07/21/2009		07/21/2009		07/21/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
123-91-1	1,4-Dioxane	E624	ug/kg	44100								
124-48-1	Dibromochloromethane	E624	ug/kg	680								
127-18-4	Tetrachloroethene	E624	ug/kg	190								
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200								
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300								
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300								
179601-23-1	m,p-Xylene	E624	ug/kg	NL								
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842								
56-23-5	Carbon tetrachloride	E624	ug/kg	248								
591-78-6	2-Hexanone	E624	ug/kg	20900								
67-64-1	Acetone	E624	ug/kg	6130000								
67-66-3	Chloroform	E624	ug/kg	295								
71-43-2	Benzene	E624	ug/kg	137								
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856								
74-83-9	Bromomethane	E624	ug/kg	732								
74-87-3	Chloromethane	E624	ug/kg	11900								
74-97-5	Bromochloromethane	E624	ug/kg	NL								
75-00-3	Chloroethane	E624	ug/kg	1450000								
75-01-4	Vinyl Chloride	E624	ug/kg	59.7								
75-09-2	Methylene chloride	E624	ug/kg	10700								
75-15-0	Carbon Disulfide	E624	ug/kg	0.851								
75-25-2	Bromoform	E624	ug/kg	1310								
75-27-4	Bromodichloromethane	E624	ug/kg	273								
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310								
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780								
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700								
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400								
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000								
78-87-5	1,2-Dichloropropane	E624	ug/kg	895								
78-93-3	2-Butanone	E624	ug/kg	2780000								
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570								
79-01-6	Trichloroethene	E624	ug/kg	1600								
79-20-9	Methyl Acetate	E624	ug/kg	7820000								

				sys_loc_code:	A155		A156		A157		A158	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A155 0-12		A156 0-12		A157 0-12		A158 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/21/2009		07/21/2009		07/21/2009		07/21/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202								
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858								
95-47-6	o-Xylene	E624	ug/kg	NL								
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989								
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35								
98-82-8	Isopropylbenzene	E624	ug/kg	86								
100-01-6	4-Nitroaniline	E625	ug/kg	24300								
100-02-7	4-Nitrophenol	E625	ug/kg	NL								
100-52-7	Benzaldehyde	E625	ug/kg	782000								
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230								
105-60-2	Caprolactam	E625	ug/kg	3060000								
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29								
106-44-5	4-Methylphenol	E625	ug/kg	670								
106-47-8	4-Chloroaniline	E625	ug/kg	2430								
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570								
108-95-2	Phenol	E625	ug/kg	420								
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214								
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300								
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182								
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL								
118-74-1	Hexachlorobenzene	E625	ug/kg	20								
120-12-7	Anthracene	E625	ug/kg	46.9								
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117								
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6								
129-00-0	Pyrene	E625	ug/kg	153								
131-11-3	Dimethylphthalate	E625	ug/kg	NL								
132-64-9	Dibenzofuran	E625	ug/kg	7300								
1912-24-9	Atrazine	E625	ug/kg	6.62								
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170								
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17								
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148								
206-44-0	Fluoranthene	E625	ug/kg	113								
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240								

				sys_loc_code:	A155		A156		A157		A158	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A155 0-12		A156 0-12		A157 0-12		A158 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/21/2009		07/21/2009		07/21/2009		07/21/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
208-96-8	Acenaphthylene	E625	ug/kg	5.87								
218-01-9	Chrysene	E625	ug/kg	108								
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8								
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200								
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611								
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22								
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8								
58-90-2	Chlorophenols	E625	ug/kg	284								
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000								
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120								
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4								
67-72-1	Hexachloroethane	E625	ug/kg	804								
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL								
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139								
78-59-1	Isophorone	E625	ug/kg	511000								
83-32-9	Acenaphthene	E625	ug/kg	6.71								
84-66-2	Diethylphthalate	E625	ug/kg	218								
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160								
85-01-8	Phenanthrene	E625	ug/kg	86.7								
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800								
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100								
86-73-7	Fluorene	E625	ug/kg	19								
86-74-8	Carbazole	E625	ug/kg	NL								
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110								
87-86-5	Pentachlorophenol	E625	ug/kg	2970								
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650								
88-74-4	2-Nitroaniline	E625	ug/kg	60600								
88-75-5	2-Nitrophenol	E625	ug/kg	NL								
91-20-3	Naphthalene	E625	ug/kg	34.6								
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2								
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000								
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080								
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220								

				sys_loc_code:	A155		A156		A157		A158	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A155 0-12		A156 0-12		A157 0-12		A158 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/21/2009		07/21/2009		07/21/2009		07/21/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
95-48-7	2-Methylphenol	E625	ug/kg	306000								
95-57-8	2-Chlorophenol	E625	ug/kg	344								
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830								
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819								
98-86-2	Acetophenone	E625	ug/kg	782000								
98-95-3	Nitrobenzene	E625	ug/kg	4790								
99-09-2	3-Nitroaniline	E625	ug/kg	NL								

Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 1 Sediment Samples < 12 inches

				sys_loc_code:	A159		A16		A17		A18	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A159 0-12		A16 0-12		A17 0-12		A18 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/21/2009		07/01/2009		07/01/2009		07/01/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	C200.7	mg/kg	7740								
7439-89-6	Iron	C200.7	mg/kg	2000								
7439-92-1	Lead	C200.7	mg/kg	30.2								
7439-95-4	Magnesium	C200.7	mg/kg	NL								
7439-96-5	Manganese	C200.7	mg/kg	183								
7440-02-0	Nickel	C200.7	mg/kg	15.9								
7440-09-7	Potassium	C200.7	mg/kg	NL								
7440-22-4	Silver	C200.7	mg/kg	0.73								
7440-23-5	Sodium	C200.7	mg/kg	NL								
7440-28-0	Thallium	C200.7	mg/kg	100000								
7440-31-5	Tin	C200.7	mg/kg	NL								
7440-36-0	Antimony	C200.7	mg/kg	2								
7440-38-2	Arsenic	C200.7	mg/kg	0.389								
7440-39-3	Barium	C200.7	mg/kg	130.1								
7440-41-7	Beryllium	C200.7	mg/kg	15.6								
7440-43-9	Cadmium	C200.7	mg/kg	0.68								
7440-47-3	Chromium	C200.7	mg/kg	52.3								
7440-48-4	Cobalt	C200.7	mg/kg	2.34								
7440-50-8	Copper	C200.7	mg/kg	18.7								
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548								
7440-66-6	Zinc	C200.7	mg/kg	124								
7440-70-2	Calcium	C200.7	mg/kg	NL								
7782-49-2	Selenium	C200.7	mg/kg	2								
7429-90-5	Aluminum	E200.7	mg/kg	7740	2620		2110		1430		1460	
7439-89-6	Iron	E200.7	mg/kg	2000	12700		35600		27400		23000	
7439-92-1	Lead	E200.7	mg/kg	30.2			94.3	J	88.8	J	58.9	J
7439-95-4	Magnesium	E200.7	mg/kg	NL	685		442	J	412	J	355	J
7439-96-5	Manganese	E200.7	mg/kg	183			42.1	J	84.6	J	31.8	J
7440-02-0	Nickel	E200.7	mg/kg	15.9								
7440-09-7	Potassium	E200.7	mg/kg	NL	647	U	158	J	150	J	129	J
7440-22-4	Silver	E200.7	mg/kg	0.73								
7440-23-5	Sodium	E200.7	mg/kg	NL	1080		1410		1230		1100	
7440-31-5	Tin	E200.7	mg/kg	NL								

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Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 1 Sediment Samples < 12 inches

				sys_loc_code:	A159		A16		A17		A18	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A159 0-12		A16 0-12		A17 0-12		A18 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/21/2009		07/01/2009		07/01/2009		07/01/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7440-36-0	Antimony	E200.7	mg/kg	2								
7440-38-2	Arsenic	E200.7	mg/kg	0.389			8.7		7.4		6.9	
7440-47-3	Chromium	E200.7	mg/kg	52.3								
7440-50-8	Copper	E200.7	mg/kg	18.7			18.2		12.2		14.2	
7440-66-6	Zinc	E200.7	mg/kg	124			43.4		33.2		65.8	
7440-70-2	Calcium	E200.7	mg/kg	NL	1220		571	U	869		524	U
7439-92-1	Lead	E200.8	mg/kg	30.2	31.7							
7439-96-5	Manganese	E200.8	mg/kg	183	32.8							
7440-02-0	Nickel	E200.8	mg/kg	15.9	5.9		4.9		2.9		4.3	
7440-22-4	Silver	E200.8	mg/kg	0.73	0.32	U	0.31	UJ	0.25	UJ	0.26	UJ
7440-28-0	Thallium	E200.8	mg/kg	100000	0.65	U	0.61	U	0.51	U	0.52	U
7440-36-0	Antimony	E200.8	mg/kg	2	1.3	U	2.3		2.2		8.5	
7440-38-2	Arsenic	E200.8	mg/kg	0.389	11	J						
7440-39-3	Barium	E200.8	mg/kg	130.1	6.8		6.1	UJ	5.1	UJ	5.2	UJ
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.46		0.53		0.27		0.26	U
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.32	U	0.69		0.25	U	0.48	
7440-47-3	Chromium	E200.8	mg/kg	52.3	15.6		23.2		13.3		9.8	
7440-48-4	Cobalt	E200.8	mg/kg	2.34	2		1.8	J	0.95	J	1.7	J
7440-50-8	Copper	E200.8	mg/kg	18.7	14.5							
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	26.2	J	36.7		27.9		22.2	
7440-66-6	Zinc	E200.8	mg/kg	124	56.8							
7782-49-2	Selenium	E200.8	mg/kg	2	0.74		0.61	U	0.51	U	0.52	U
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.17		0.036	U	0.036	U	0.037	U
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6								
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357								
309-00-2	Aldrin	CPEST	ug/kg	2								
319-84-6	Alpha-Bhc	CPEST	ug/kg	3								
319-85-7	Beta-Bhc	CPEST	ug/kg	3								
319-86-8	Delta-Bhc	CPEST	ug/kg	3								
33213-65-9	Endosulfan II	CPEST	ug/kg	14								
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19								
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7								
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7								

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				sys_loc_code:	A159		A16		A17		A18	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A159 0-12		A16 0-12		A17 0-12		A18 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/21/2009		07/01/2009		07/01/2009		07/01/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL								
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32								
60-57-1	Dieldrin	CPEST	ug/kg	0.72								
72-20-8	Endrin	CPEST	ug/kg	2.67								
72-43-5	Methoxychlor	CPEST	ug/kg	29.6								
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22								
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07								
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL								
76-44-8	Heptachlor	CPEST	ug/kg	68								
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1								
959-98-8	Endosulfan I	CPEST	ug/kg	2.9								
11096-82-5	Aroclor 1260	E608	ug/kg	21.6								
11097-69-1	Aroclor 1254	E608	ug/kg	23								
11100-14-4	Aroclor 1268	E608	ug/kg	21.6								
11104-28-2	Aroclor 1221	E608	ug/kg	21.6								
11141-16-5	Aroclor 1232	E608	ug/kg	21.6								
12672-29-6	Aroclor 1248	E608	ug/kg	21.6								
12674-11-2	Aroclor 1016	E608	ug/kg	21.6								
37324-23-5	Aroclor 1262	E608	ug/kg	21.6								
53469-21-9	Aroclor 1242	E608	ug/kg	21.6								
100-41-4	Ethylbenzene	E624	ug/kg	305								
100-42-5	Styrene	E624	ug/kg	7070								
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL								
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL								
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460								
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7								
107-06-2	1,2-Dichloroethane	E624	ug/kg	432								
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000								
108-87-2	Methylcyclohexane	E624	ug/kg	NL								
108-88-3	Toluene	E624	ug/kg	1090								
108-90-7	Chlorobenzene	E624	ug/kg	162								
110-82-7	Cyclohexane	E624	ug/kg	117000								
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473								

				sys_loc_code:	A159		A16		A17		A18	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A159 0-12		A16 0-12		A17 0-12		A18 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/21/2009		07/01/2009		07/01/2009		07/01/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
123-91-1	1,4-Dioxane	E624	ug/kg	44100								
124-48-1	Dibromochloromethane	E624	ug/kg	680								
127-18-4	Tetrachloroethene	E624	ug/kg	190								
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200								
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300								
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300								
179601-23-1	m,p-Xylene	E624	ug/kg	NL								
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842								
56-23-5	Carbon tetrachloride	E624	ug/kg	248								
591-78-6	2-Hexanone	E624	ug/kg	20900								
67-64-1	Acetone	E624	ug/kg	6130000								
67-66-3	Chloroform	E624	ug/kg	295								
71-43-2	Benzene	E624	ug/kg	137								
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856								
74-83-9	Bromomethane	E624	ug/kg	732								
74-87-3	Chloromethane	E624	ug/kg	11900								
74-97-5	Bromochloromethane	E624	ug/kg	NL								
75-00-3	Chloroethane	E624	ug/kg	1450000								
75-01-4	Vinyl Chloride	E624	ug/kg	59.7								
75-09-2	Methylene chloride	E624	ug/kg	10700								
75-15-0	Carbon Disulfide	E624	ug/kg	0.851								
75-25-2	Bromoform	E624	ug/kg	1310								
75-27-4	Bromodichloromethane	E624	ug/kg	273								
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310								
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780								
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700								
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400								
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000								
78-87-5	1,2-Dichloropropane	E624	ug/kg	895								
78-93-3	2-Butanone	E624	ug/kg	2780000								
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570								
79-01-6	Trichloroethene	E624	ug/kg	1600								
79-20-9	Methyl Acetate	E624	ug/kg	7820000								

				sys_loc_code:	A159		A16		A17		A18	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A159 0-12		A16 0-12		A17 0-12		A18 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/21/2009		07/01/2009		07/01/2009		07/01/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202								
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858								
95-47-6	o-Xylene	E624	ug/kg	NL								
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989								
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35								
98-82-8	Isopropylbenzene	E624	ug/kg	86								
100-01-6	4-Nitroaniline	E625	ug/kg	24300								
100-02-7	4-Nitrophenol	E625	ug/kg	NL								
100-52-7	Benzaldehyde	E625	ug/kg	782000								
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230								
105-60-2	Caprolactam	E625	ug/kg	3060000								
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29								
106-44-5	4-Methylphenol	E625	ug/kg	670								
106-47-8	4-Chloroaniline	E625	ug/kg	2430								
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570								
108-95-2	Phenol	E625	ug/kg	420								
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214								
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300								
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182								
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL								
118-74-1	Hexachlorobenzene	E625	ug/kg	20								
120-12-7	Anthracene	E625	ug/kg	46.9								
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117								
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6								
129-00-0	Pyrene	E625	ug/kg	153								
131-11-3	Dimethylphthalate	E625	ug/kg	NL								
132-64-9	Dibenzofuran	E625	ug/kg	7300								
1912-24-9	Atrazine	E625	ug/kg	6.62								
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170								
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17								
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148								
206-44-0	Fluoranthene	E625	ug/kg	113								
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240								

				sys_loc_code:	A159		A16		A17		A18	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A159 0-12		A16 0-12		A17 0-12		A18 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/21/2009		07/01/2009		07/01/2009		07/01/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
208-96-8	Acenaphthylene	E625	ug/kg	5.87								
218-01-9	Chrysene	E625	ug/kg	108								
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8								
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200								
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611								
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22								
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8								
58-90-2	Chlorophenols	E625	ug/kg	284								
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000								
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120								
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4								
67-72-1	Hexachloroethane	E625	ug/kg	804								
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL								
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139								
78-59-1	Isophorone	E625	ug/kg	511000								
83-32-9	Acenaphthene	E625	ug/kg	6.71								
84-66-2	Diethylphthalate	E625	ug/kg	218								
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160								
85-01-8	Phenanthrene	E625	ug/kg	86.7								
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800								
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100								
86-73-7	Fluorene	E625	ug/kg	19								
86-74-8	Carbazole	E625	ug/kg	NL								
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110								
87-86-5	Pentachlorophenol	E625	ug/kg	2970								
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650								
88-74-4	2-Nitroaniline	E625	ug/kg	60600								
88-75-5	2-Nitrophenol	E625	ug/kg	NL								
91-20-3	Naphthalene	E625	ug/kg	34.6								
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2								
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000								
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080								
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220								

				sys_loc_code:	A159		A16		A17		A18	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A159 0-12		A16 0-12		A17 0-12		A18 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/21/2009		07/01/2009		07/01/2009		07/01/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
95-48-7	2-Methylphenol	E625	ug/kg	306000								
95-57-8	2-Chlorophenol	E625	ug/kg	344								
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830								
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819								
98-86-2	Acetophenone	E625	ug/kg	782000								
98-95-3	Nitrobenzene	E625	ug/kg	4790								
99-09-2	3-Nitroaniline	E625	ug/kg	NL								

				sys_loc_code:	A19		A2		A20		A21	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A19 0-12		A2 0-12		A20 0-12		A21 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/01/2009		07/01/2009		07/01/2009		07/15/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	C200.7	mg/kg	7740								
7439-89-6	Iron	C200.7	mg/kg	2000								
7439-92-1	Lead	C200.7	mg/kg	30.2								
7439-95-4	Magnesium	C200.7	mg/kg	NL								
7439-96-5	Manganese	C200.7	mg/kg	183								
7440-02-0	Nickel	C200.7	mg/kg	15.9								
7440-09-7	Potassium	C200.7	mg/kg	NL								
7440-22-4	Silver	C200.7	mg/kg	0.73								
7440-23-5	Sodium	C200.7	mg/kg	NL								
7440-28-0	Thallium	C200.7	mg/kg	100000								
7440-31-5	Tin	C200.7	mg/kg	NL								
7440-36-0	Antimony	C200.7	mg/kg	2								
7440-38-2	Arsenic	C200.7	mg/kg	0.389								
7440-39-3	Barium	C200.7	mg/kg	130.1								
7440-41-7	Beryllium	C200.7	mg/kg	15.6								
7440-43-9	Cadmium	C200.7	mg/kg	0.68								
7440-47-3	Chromium	C200.7	mg/kg	52.3								
7440-48-4	Cobalt	C200.7	mg/kg	2.34								
7440-50-8	Copper	C200.7	mg/kg	18.7								
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548								
7440-66-6	Zinc	C200.7	mg/kg	124								
7440-70-2	Calcium	C200.7	mg/kg	NL								
7782-49-2	Selenium	C200.7	mg/kg	2								
7429-90-5	Aluminum	E200.7	mg/kg	7740	1870		1870	J	1240		1570	
7439-89-6	Iron	E200.7	mg/kg	2000	42300		39500	J	24600		23600	
7439-92-1	Lead	E200.7	mg/kg	30.2	47700	J	27.8		8510	J		
7439-95-4	Magnesium	E200.7	mg/kg	NL	725		449		602		532	
7439-96-5	Manganese	E200.7	mg/kg	183	132	J	66.1	J	74.1	J		
7440-02-0	Nickel	E200.7	mg/kg	15.9								
7440-09-7	Potassium	E200.7	mg/kg	NL	223	J	168	J	187	J	224	J
7440-22-4	Silver	E200.7	mg/kg	0.73								
7440-23-5	Sodium	E200.7	mg/kg	NL	1870		973		1840		1900	J
7440-31-5	Tin	E200.7	mg/kg	NL								

				sys_loc_code:	A19		A2		A20		A21	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A19 0-12		A2 0-12		A20 0-12		A21 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/01/2009		07/01/2009		07/01/2009		07/15/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7440-36-0	Antimony	E200.7	mg/kg	2								
7440-38-2	Arsenic	E200.7	mg/kg	0.389	243		8.6	J	133			
7440-47-3	Chromium	E200.7	mg/kg	52.3								
7440-50-8	Copper	E200.7	mg/kg	18.7	1210		11.5	J	644			
7440-66-6	Zinc	E200.7	mg/kg	124	497		50.1		226			
7440-70-2	Calcium	E200.7	mg/kg	NL	1010		1990		752		599	
7439-92-1	Lead	E200.8	mg/kg	30.2							19.7	J
7439-96-5	Manganese	E200.8	mg/kg	183							56.8	J
7440-02-0	Nickel	E200.8	mg/kg	15.9	46.5		3.7	J	17.2		4	
7440-22-4	Silver	E200.8	mg/kg	0.73	1.4	J	0.26	UJ	0.61	J	0.31	UJ
7440-28-0	Thallium	E200.8	mg/kg	100000	1	U	0.51	U	0.57	U	0.61	U
7440-36-0	Antimony	E200.8	mg/kg	2	2390		2.2		937		1.2	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389							7.6	
7440-39-3	Barium	E200.8	mg/kg	130.1	40.6	J	5.1	UJ	42.2	J	2.7	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.31		0.34		0.3		0.35	
7440-43-9	Cadmium	E200.8	mg/kg	0.68	3.5		0.26	U	1.9		0.31	U
7440-47-3	Chromium	E200.8	mg/kg	52.3	14.1		15		9.4		13.7	J
7440-48-4	Cobalt	E200.8	mg/kg	2.34	5.8	J	1.2	J	2.7	J	1.2	J
7440-50-8	Copper	E200.8	mg/kg	18.7							14.6	J
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	24.1		16.9		20		29.2	J
7440-66-6	Zinc	E200.8	mg/kg	124							55	
7782-49-2	Selenium	E200.8	mg/kg	2	1.4		0.51	U	0.76		0.17	J
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.14		0.034	U	0.039	U	0.043	
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6								
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357								
309-00-2	Aldrin	CPEST	ug/kg	2								
319-84-6	Alpha-Bhc	CPEST	ug/kg	3								
319-85-7	Beta-Bhc	CPEST	ug/kg	3								
319-86-8	Delta-Bhc	CPEST	ug/kg	3								
33213-65-9	Endosulfan II	CPEST	ug/kg	14								
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19								
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7								
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7								

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				sys_loc_code:	A19		A2		A20		A21	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A19 0-12		A2 0-12		A20 0-12		A21 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/01/2009		07/01/2009		07/01/2009		07/15/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL								
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32								
60-57-1	Dieldrin	CPEST	ug/kg	0.72								
72-20-8	Endrin	CPEST	ug/kg	2.67								
72-43-5	Methoxychlor	CPEST	ug/kg	29.6								
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22								
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07								
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL								
76-44-8	Heptachlor	CPEST	ug/kg	68								
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1								
959-98-8	Endosulfan I	CPEST	ug/kg	2.9								
11096-82-5	Aroclor 1260	E608	ug/kg	21.6								
11097-69-1	Aroclor 1254	E608	ug/kg	23								
11100-14-4	Aroclor 1268	E608	ug/kg	21.6								
11104-28-2	Aroclor 1221	E608	ug/kg	21.6								
11141-16-5	Aroclor 1232	E608	ug/kg	21.6								
12672-29-6	Aroclor 1248	E608	ug/kg	21.6								
12674-11-2	Aroclor 1016	E608	ug/kg	21.6								
37324-23-5	Aroclor 1262	E608	ug/kg	21.6								
53469-21-9	Aroclor 1242	E608	ug/kg	21.6								
100-41-4	Ethylbenzene	E624	ug/kg	305								
100-42-5	Styrene	E624	ug/kg	7070								
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL								
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL								
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460								
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7								
107-06-2	1,2-Dichloroethane	E624	ug/kg	432								
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000								
108-87-2	Methylcyclohexane	E624	ug/kg	NL								
108-88-3	Toluene	E624	ug/kg	1090								
108-90-7	Chlorobenzene	E624	ug/kg	162								
110-82-7	Cyclohexane	E624	ug/kg	117000								
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473								

				sys_loc_code:	A19		A2		A20		A21	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A19 0-12		A2 0-12		A20 0-12		A21 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/01/2009		07/01/2009		07/01/2009		07/15/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
123-91-1	1,4-Dioxane	E624	ug/kg	44100								
124-48-1	Dibromochloromethane	E624	ug/kg	680								
127-18-4	Tetrachloroethene	E624	ug/kg	190								
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200								
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300								
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300								
179601-23-1	m,p-Xylene	E624	ug/kg	NL								
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842								
56-23-5	Carbon tetrachloride	E624	ug/kg	248								
591-78-6	2-Hexanone	E624	ug/kg	20900								
67-64-1	Acetone	E624	ug/kg	6130000								
67-66-3	Chloroform	E624	ug/kg	295								
71-43-2	Benzene	E624	ug/kg	137								
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856								
74-83-9	Bromomethane	E624	ug/kg	732								
74-87-3	Chloromethane	E624	ug/kg	11900								
74-97-5	Bromochloromethane	E624	ug/kg	NL								
75-00-3	Chloroethane	E624	ug/kg	1450000								
75-01-4	Vinyl Chloride	E624	ug/kg	59.7								
75-09-2	Methylene chloride	E624	ug/kg	10700								
75-15-0	Carbon Disulfide	E624	ug/kg	0.851								
75-25-2	Bromoform	E624	ug/kg	1310								
75-27-4	Bromodichloromethane	E624	ug/kg	273								
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310								
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780								
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700								
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400								
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000								
78-87-5	1,2-Dichloropropane	E624	ug/kg	895								
78-93-3	2-Butanone	E624	ug/kg	2780000								
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570								
79-01-6	Trichloroethene	E624	ug/kg	1600								
79-20-9	Methyl Acetate	E624	ug/kg	7820000								

				sys_loc_code:	A19		A2		A20		A21	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A19 0-12		A2 0-12		A20 0-12		A21 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/01/2009		07/01/2009		07/01/2009		07/15/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202								
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858								
95-47-6	o-Xylene	E624	ug/kg	NL								
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989								
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35								
98-82-8	Isopropylbenzene	E624	ug/kg	86								
100-01-6	4-Nitroaniline	E625	ug/kg	24300								
100-02-7	4-Nitrophenol	E625	ug/kg	NL								
100-52-7	Benzaldehyde	E625	ug/kg	782000								
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230								
105-60-2	Caprolactam	E625	ug/kg	3060000								
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29								
106-44-5	4-Methylphenol	E625	ug/kg	670								
106-47-8	4-Chloroaniline	E625	ug/kg	2430								
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570								
108-95-2	Phenol	E625	ug/kg	420								
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214								
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300								
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182								
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL								
118-74-1	Hexachlorobenzene	E625	ug/kg	20								
120-12-7	Anthracene	E625	ug/kg	46.9								
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117								
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6								
129-00-0	Pyrene	E625	ug/kg	153								
131-11-3	Dimethylphthalate	E625	ug/kg	NL								
132-64-9	Dibenzofuran	E625	ug/kg	7300								
1912-24-9	Atrazine	E625	ug/kg	6.62								
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170								
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17								
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148								
206-44-0	Fluoranthene	E625	ug/kg	113								
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240								

				sys_loc_code:	A19		A2		A20		A21	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A19 0-12		A2 0-12		A20 0-12		A21 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/01/2009		07/01/2009		07/01/2009		07/15/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
208-96-8	Acenaphthylene	E625	ug/kg	5.87								
218-01-9	Chrysene	E625	ug/kg	108								
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8								
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200								
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611								
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22								
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8								
58-90-2	Chlorophenols	E625	ug/kg	284								
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000								
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120								
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4								
67-72-1	Hexachloroethane	E625	ug/kg	804								
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL								
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139								
78-59-1	Isophorone	E625	ug/kg	511000								
83-32-9	Acenaphthene	E625	ug/kg	6.71								
84-66-2	Diethylphthalate	E625	ug/kg	218								
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160								
85-01-8	Phenanthrene	E625	ug/kg	86.7								
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800								
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100								
86-73-7	Fluorene	E625	ug/kg	19								
86-74-8	Carbazole	E625	ug/kg	NL								
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110								
87-86-5	Pentachlorophenol	E625	ug/kg	2970								
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650								
88-74-4	2-Nitroaniline	E625	ug/kg	60600								
88-75-5	2-Nitrophenol	E625	ug/kg	NL								
91-20-3	Naphthalene	E625	ug/kg	34.6								
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2								
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000								
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080								
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220								

				sys_loc_code:	A19		A2		A20		A21	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A19 0-12		A2 0-12		A20 0-12		A21 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/01/2009		07/01/2009		07/01/2009		07/15/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
95-48-7	2-Methylphenol	E625	ug/kg	306000								
95-57-8	2-Chlorophenol	E625	ug/kg	344								
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830								
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819								
98-86-2	Acetophenone	E625	ug/kg	782000								
98-95-3	Nitrobenzene	E625	ug/kg	4790								
99-09-2	3-Nitroaniline	E625	ug/kg	NL								

Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
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Area 1 Sediment Samples < 12 inches

				sys_loc_code:	A22		A23		A24		A25	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A22 0-12		A23 0-12		A24 0-12		A25 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/01/2009		07/20/2009		07/20/2009		07/17/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	C200.7	mg/kg	7740								
7439-89-6	Iron	C200.7	mg/kg	2000								
7439-92-1	Lead	C200.7	mg/kg	30.2								
7439-95-4	Magnesium	C200.7	mg/kg	NL								
7439-96-5	Manganese	C200.7	mg/kg	183								
7440-02-0	Nickel	C200.7	mg/kg	15.9								
7440-09-7	Potassium	C200.7	mg/kg	NL								
7440-22-4	Silver	C200.7	mg/kg	0.73								
7440-23-5	Sodium	C200.7	mg/kg	NL								
7440-28-0	Thallium	C200.7	mg/kg	100000								
7440-31-5	Tin	C200.7	mg/kg	NL								
7440-36-0	Antimony	C200.7	mg/kg	2								
7440-38-2	Arsenic	C200.7	mg/kg	0.389								
7440-39-3	Barium	C200.7	mg/kg	130.1								
7440-41-7	Beryllium	C200.7	mg/kg	15.6								
7440-43-9	Cadmium	C200.7	mg/kg	0.68								
7440-47-3	Chromium	C200.7	mg/kg	52.3								
7440-48-4	Cobalt	C200.7	mg/kg	2.34								
7440-50-8	Copper	C200.7	mg/kg	18.7								
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548								
7440-66-6	Zinc	C200.7	mg/kg	124								
7440-70-2	Calcium	C200.7	mg/kg	NL								
7782-49-2	Selenium	C200.7	mg/kg	2								
7429-90-5	Aluminum	E200.7	mg/kg	7740	721		1230	J	1050	J	2240	
7439-89-6	Iron	E200.7	mg/kg	2000	10400		16500	J	14000	J	49500	
7439-92-1	Lead	E200.7	mg/kg	30.2	17.5	R						
7439-95-4	Magnesium	E200.7	mg/kg	NL	393	J	553	UJ	595	UJ	524	J
7439-96-5	Manganese	E200.7	mg/kg	183	19.4	J						
7440-02-0	Nickel	E200.7	mg/kg	15.9								
7440-09-7	Potassium	E200.7	mg/kg	NL	134	J	553	UJ	595	UJ	226	J
7440-22-4	Silver	E200.7	mg/kg	0.73								
7440-23-5	Sodium	E200.7	mg/kg	NL	1530		695	J	995	J	1410	J
7440-31-5	Tin	E200.7	mg/kg	NL								

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Data Gap Technical Memorandum
Area 1 Sediment Samples < 12 inches

				sys_loc_code:	A22		A23		A24		A25	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A22 0-12		A23 0-12		A24 0-12		A25 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/01/2009		07/20/2009		07/20/2009		07/17/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7440-36-0	Antimony	E200.7	mg/kg	2								
7440-38-2	Arsenic	E200.7	mg/kg	0.389	3.8							
7440-47-3	Chromium	E200.7	mg/kg	52.3								
7440-50-8	Copper	E200.7	mg/kg	18.7	6.3	J						
7440-66-6	Zinc	E200.7	mg/kg	124	32.9							
7440-70-2	Calcium	E200.7	mg/kg	NL	567		217	J	595	UJ	417	J
7439-92-1	Lead	E200.8	mg/kg	30.2			16.2		29.9		11.5	J
7439-96-5	Manganese	E200.8	mg/kg	183			27.2		43.8		47.5	J
7440-02-0	Nickel	E200.8	mg/kg	15.9	1.5	J	1.4		1.9		2.6	
7440-22-4	Silver	E200.8	mg/kg	0.73	0.29	UJ	0.28	U	0.3	U	0.3	UJ
7440-28-0	Thallium	E200.8	mg/kg	100000	0.58	U	0.55	U	0.6	U	0.59	U
7440-36-0	Antimony	E200.8	mg/kg	2	1.2	U	1.1	U	1.2	U	1.2	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389			4.5		6.3		6.4	
7440-39-3	Barium	E200.8	mg/kg	130.1	5.8	UJ	2.6	J	1.7	J	1.8	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.29	U	0.17	J	0.16	J	0.3	U
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.29	U	0.28	U	0.3	U	0.3	U
7440-47-3	Chromium	E200.8	mg/kg	52.3	4.8		12.1		14.9		13.3	J
7440-48-4	Cobalt	E200.8	mg/kg	2.34	0.61	J	0.69		0.9		1.1	J
7440-50-8	Copper	E200.8	mg/kg	18.7			18		6		6.2	J
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	8.7		16.6	J	29.4	J	29.9	J
7440-66-6	Zinc	E200.8	mg/kg	124			23.1		28.5		29.9	
7782-49-2	Selenium	E200.8	mg/kg	2	0.58	U	0.55	U	0.6	U	0.59	U
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.033	J	0.033	U	0.036	U	0.036	U
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6								
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357								
309-00-2	Aldrin	CPEST	ug/kg	2								
319-84-6	Alpha-Bhc	CPEST	ug/kg	3								
319-85-7	Beta-Bhc	CPEST	ug/kg	3								
319-86-8	Delta-Bhc	CPEST	ug/kg	3								
33213-65-9	Endosulfan II	CPEST	ug/kg	14								
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19								
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7								
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7								

				sys_loc_code:	A22		A23		A24		A25	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A22 0-12		A23 0-12		A24 0-12		A25 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/01/2009		07/20/2009		07/20/2009		07/17/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL								
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32								
60-57-1	Dieldrin	CPEST	ug/kg	0.72								
72-20-8	Endrin	CPEST	ug/kg	2.67								
72-43-5	Methoxychlor	CPEST	ug/kg	29.6								
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22								
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07								
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL								
76-44-8	Heptachlor	CPEST	ug/kg	68								
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1								
959-98-8	Endosulfan I	CPEST	ug/kg	2.9								
11096-82-5	Aroclor 1260	E608	ug/kg	21.6								
11097-69-1	Aroclor 1254	E608	ug/kg	23								
11100-14-4	Aroclor 1268	E608	ug/kg	21.6								
11104-28-2	Aroclor 1221	E608	ug/kg	21.6								
11141-16-5	Aroclor 1232	E608	ug/kg	21.6								
12672-29-6	Aroclor 1248	E608	ug/kg	21.6								
12674-11-2	Aroclor 1016	E608	ug/kg	21.6								
37324-23-5	Aroclor 1262	E608	ug/kg	21.6								
53469-21-9	Aroclor 1242	E608	ug/kg	21.6								
100-41-4	Ethylbenzene	E624	ug/kg	305								
100-42-5	Styrene	E624	ug/kg	7070								
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL								
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL								
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460								
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7								
107-06-2	1,2-Dichloroethane	E624	ug/kg	432								
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000								
108-87-2	Methylcyclohexane	E624	ug/kg	NL								
108-88-3	Toluene	E624	ug/kg	1090								
108-90-7	Chlorobenzene	E624	ug/kg	162								
110-82-7	Cyclohexane	E624	ug/kg	117000								
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473								

				sys_loc_code:	A22		A23		A24		A25	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A22 0-12		A23 0-12		A24 0-12		A25 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/01/2009		07/20/2009		07/20/2009		07/17/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
123-91-1	1,4-Dioxane	E624	ug/kg	44100								
124-48-1	Dibromochloromethane	E624	ug/kg	680								
127-18-4	Tetrachloroethene	E624	ug/kg	190								
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200								
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300								
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300								
179601-23-1	m,p-Xylene	E624	ug/kg	NL								
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842								
56-23-5	Carbon tetrachloride	E624	ug/kg	248								
591-78-6	2-Hexanone	E624	ug/kg	20900								
67-64-1	Acetone	E624	ug/kg	6130000								
67-66-3	Chloroform	E624	ug/kg	295								
71-43-2	Benzene	E624	ug/kg	137								
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856								
74-83-9	Bromomethane	E624	ug/kg	732								
74-87-3	Chloromethane	E624	ug/kg	11900								
74-97-5	Bromochloromethane	E624	ug/kg	NL								
75-00-3	Chloroethane	E624	ug/kg	1450000								
75-01-4	Vinyl Chloride	E624	ug/kg	59.7								
75-09-2	Methylene chloride	E624	ug/kg	10700								
75-15-0	Carbon Disulfide	E624	ug/kg	0.851								
75-25-2	Bromoform	E624	ug/kg	1310								
75-27-4	Bromodichloromethane	E624	ug/kg	273								
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310								
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780								
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700								
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400								
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000								
78-87-5	1,2-Dichloropropane	E624	ug/kg	895								
78-93-3	2-Butanone	E624	ug/kg	2780000								
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570								
79-01-6	Trichloroethene	E624	ug/kg	1600								
79-20-9	Methyl Acetate	E624	ug/kg	7820000								

				sys_loc_code:	A22		A23		A24		A25	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A22 0-12		A23 0-12		A24 0-12		A25 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/01/2009		07/20/2009		07/20/2009		07/17/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202								
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858								
95-47-6	o-Xylene	E624	ug/kg	NL								
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989								
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35								
98-82-8	Isopropylbenzene	E624	ug/kg	86								
100-01-6	4-Nitroaniline	E625	ug/kg	24300								
100-02-7	4-Nitrophenol	E625	ug/kg	NL								
100-52-7	Benzaldehyde	E625	ug/kg	782000								
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230								
105-60-2	Caprolactam	E625	ug/kg	3060000								
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29								
106-44-5	4-Methylphenol	E625	ug/kg	670								
106-47-8	4-Chloroaniline	E625	ug/kg	2430								
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570								
108-95-2	Phenol	E625	ug/kg	420								
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214								
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300								
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182								
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL								
118-74-1	Hexachlorobenzene	E625	ug/kg	20								
120-12-7	Anthracene	E625	ug/kg	46.9								
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117								
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6								
129-00-0	Pyrene	E625	ug/kg	153								
131-11-3	Dimethylphthalate	E625	ug/kg	NL								
132-64-9	Dibenzofuran	E625	ug/kg	7300								
1912-24-9	Atrazine	E625	ug/kg	6.62								
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170								
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17								
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148								
206-44-0	Fluoranthene	E625	ug/kg	113								
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240								

				sys_loc_code:	A22		A23		A24		A25	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A22 0-12		A23 0-12		A24 0-12		A25 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/01/2009		07/20/2009		07/20/2009		07/17/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
208-96-8	Acenaphthylene	E625	ug/kg	5.87								
218-01-9	Chrysene	E625	ug/kg	108								
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8								
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200								
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611								
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22								
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8								
58-90-2	Chlorophenols	E625	ug/kg	284								
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000								
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120								
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4								
67-72-1	Hexachloroethane	E625	ug/kg	804								
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL								
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139								
78-59-1	Isophorone	E625	ug/kg	511000								
83-32-9	Acenaphthene	E625	ug/kg	6.71								
84-66-2	Diethylphthalate	E625	ug/kg	218								
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160								
85-01-8	Phenanthrene	E625	ug/kg	86.7								
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800								
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100								
86-73-7	Fluorene	E625	ug/kg	19								
86-74-8	Carbazole	E625	ug/kg	NL								
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110								
87-86-5	Pentachlorophenol	E625	ug/kg	2970								
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650								
88-74-4	2-Nitroaniline	E625	ug/kg	60600								
88-75-5	2-Nitrophenol	E625	ug/kg	NL								
91-20-3	Naphthalene	E625	ug/kg	34.6								
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2								
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000								
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080								
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220								

				sys_loc_code:	A22		A23		A24		A25	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A22 0-12		A23 0-12		A24 0-12		A25 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/01/2009		07/20/2009		07/20/2009		07/17/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
95-48-7	2-Methylphenol	E625	ug/kg	306000								
95-57-8	2-Chlorophenol	E625	ug/kg	344								
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830								
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819								
98-86-2	Acetophenone	E625	ug/kg	782000								
98-95-3	Nitrobenzene	E625	ug/kg	4790								
99-09-2	3-Nitroaniline	E625	ug/kg	NL								

				sys_loc_code:	A26		A27		A28		A29	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A26 0-12		A27 0-12		A28 0-12		A29 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/15/2009		07/15/2009		07/15/2009		07/15/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	C200.7	mg/kg	7740								
7439-89-6	Iron	C200.7	mg/kg	2000								
7439-92-1	Lead	C200.7	mg/kg	30.2								
7439-95-4	Magnesium	C200.7	mg/kg	NL								
7439-96-5	Manganese	C200.7	mg/kg	183								
7440-02-0	Nickel	C200.7	mg/kg	15.9								
7440-09-7	Potassium	C200.7	mg/kg	NL								
7440-22-4	Silver	C200.7	mg/kg	0.73								
7440-23-5	Sodium	C200.7	mg/kg	NL								
7440-28-0	Thallium	C200.7	mg/kg	100000								
7440-31-5	Tin	C200.7	mg/kg	NL								
7440-36-0	Antimony	C200.7	mg/kg	2								
7440-38-2	Arsenic	C200.7	mg/kg	0.389								
7440-39-3	Barium	C200.7	mg/kg	130.1								
7440-41-7	Beryllium	C200.7	mg/kg	15.6								
7440-43-9	Cadmium	C200.7	mg/kg	0.68								
7440-47-3	Chromium	C200.7	mg/kg	52.3								
7440-48-4	Cobalt	C200.7	mg/kg	2.34								
7440-50-8	Copper	C200.7	mg/kg	18.7								
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548								
7440-66-6	Zinc	C200.7	mg/kg	124								
7440-70-2	Calcium	C200.7	mg/kg	NL								
7782-49-2	Selenium	C200.7	mg/kg	2								
7429-90-5	Aluminum	E200.7	mg/kg	7740	4610		2500		2770		3090	
7439-89-6	Iron	E200.7	mg/kg	2000	90900		43600	J	55700	J	39300	J
7439-92-1	Lead	E200.7	mg/kg	30.2								
7439-95-4	Magnesium	E200.7	mg/kg	NL	674		422	J	467	J	1090	
7439-96-5	Manganese	E200.7	mg/kg	183								
7440-02-0	Nickel	E200.7	mg/kg	15.9								
7440-09-7	Potassium	E200.7	mg/kg	NL	403	J	216	J	540	U	555	U
7440-22-4	Silver	E200.7	mg/kg	0.73								
7440-23-5	Sodium	E200.7	mg/kg	NL	1670		1250	J	1250	J	1710	J
7440-31-5	Tin	E200.7	mg/kg	NL								

Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
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Area 1 Sediment Samples < 12 inches

				sys_loc_code:	A26		A27		A28		A29	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A26 0-12		A27 0-12		A28 0-12		A29 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/15/2009		07/15/2009		07/15/2009		07/15/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7440-36-0	Antimony	E200.7	mg/kg	2								
7440-38-2	Arsenic	E200.7	mg/kg	0.389								
7440-47-3	Chromium	E200.7	mg/kg	52.3								
7440-50-8	Copper	E200.7	mg/kg	18.7								
7440-66-6	Zinc	E200.7	mg/kg	124								
7440-70-2	Calcium	E200.7	mg/kg	NL	580		313	J	350	J	5970	
7439-92-1	Lead	E200.8	mg/kg	30.2	36	J	14.1	J	9.9	J	21.4	J
7439-96-5	Manganese	E200.8	mg/kg	183	124	J	33.7		41.5		77.4	
7440-02-0	Nickel	E200.8	mg/kg	15.9	6.5	J	3.7		2.7		4.1	
7440-22-4	Silver	E200.8	mg/kg	0.73	0.3	UJ	0.29	UJ	0.27	UJ	0.3	UJ
7440-28-0	Thallium	E200.8	mg/kg	100000	0.61	U	0.57	UJ	0.55	U	0.6	U
7440-36-0	Antimony	E200.8	mg/kg	2	1.2	U	1.1	U	1.1	U	1.2	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389	24.5		8.8	J	11.8	J	13.1	J
7440-39-3	Barium	E200.8	mg/kg	130.1	4.8	J	2.7	J	3.7	J	6.1	
7440-41-7	Beryllium	E200.8	mg/kg	15.6	1.2		0.48		0.5		0.51	
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.53		0.27	J	0.086	J	0.14	J
7440-47-3	Chromium	E200.8	mg/kg	52.3	53.5	J	35.7		27.9		27	
7440-48-4	Cobalt	E200.8	mg/kg	2.34	3.3	J	1.5	J	1.3	J	2.2	J
7440-50-8	Copper	E200.8	mg/kg	18.7	11.9	J	7.5		8.7		11.7	
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	116	J	55.6	J	115	J	44.1	J
7440-66-6	Zinc	E200.8	mg/kg	124	55.6	J	31.9		29		39.8	
7782-49-2	Selenium	E200.8	mg/kg	2	0.16	J	0.22	J	0.55	U	0.25	J
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.036	U	0.034	U	0.036	U	0.036	U
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6								
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357								
309-00-2	Aldrin	CPEST	ug/kg	2								
319-84-6	Alpha-Bhc	CPEST	ug/kg	3								
319-85-7	Beta-Bhc	CPEST	ug/kg	3								
319-86-8	Delta-Bhc	CPEST	ug/kg	3								
33213-65-9	Endosulfan II	CPEST	ug/kg	14								
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19								
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7								
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7								

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				sys_loc_code:	A26		A27		A28		A29	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A26 0-12		A27 0-12		A28 0-12		A29 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/15/2009		07/15/2009		07/15/2009		07/15/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL								
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32								
60-57-1	Dieldrin	CPEST	ug/kg	0.72								
72-20-8	Endrin	CPEST	ug/kg	2.67								
72-43-5	Methoxychlor	CPEST	ug/kg	29.6								
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22								
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07								
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL								
76-44-8	Heptachlor	CPEST	ug/kg	68								
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1								
959-98-8	Endosulfan I	CPEST	ug/kg	2.9								
11096-82-5	Aroclor 1260	E608	ug/kg	21.6								
11097-69-1	Aroclor 1254	E608	ug/kg	23								
11100-14-4	Aroclor 1268	E608	ug/kg	21.6								
11104-28-2	Aroclor 1221	E608	ug/kg	21.6								
11141-16-5	Aroclor 1232	E608	ug/kg	21.6								
12672-29-6	Aroclor 1248	E608	ug/kg	21.6								
12674-11-2	Aroclor 1016	E608	ug/kg	21.6								
37324-23-5	Aroclor 1262	E608	ug/kg	21.6								
53469-21-9	Aroclor 1242	E608	ug/kg	21.6								
100-41-4	Ethylbenzene	E624	ug/kg	305								
100-42-5	Styrene	E624	ug/kg	7070								
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL								
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL								
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460								
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7								
107-06-2	1,2-Dichloroethane	E624	ug/kg	432								
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000								
108-87-2	Methylcyclohexane	E624	ug/kg	NL								
108-88-3	Toluene	E624	ug/kg	1090								
108-90-7	Chlorobenzene	E624	ug/kg	162								
110-82-7	Cyclohexane	E624	ug/kg	117000								
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473								

				sys_loc_code:	A26		A27		A28		A29	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A26 0-12		A27 0-12		A28 0-12		A29 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/15/2009		07/15/2009		07/15/2009		07/15/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
123-91-1	1,4-Dioxane	E624	ug/kg	44100								
124-48-1	Dibromochloromethane	E624	ug/kg	680								
127-18-4	Tetrachloroethene	E624	ug/kg	190								
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200								
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300								
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300								
179601-23-1	m,p-Xylene	E624	ug/kg	NL								
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842								
56-23-5	Carbon tetrachloride	E624	ug/kg	248								
591-78-6	2-Hexanone	E624	ug/kg	20900								
67-64-1	Acetone	E624	ug/kg	6130000								
67-66-3	Chloroform	E624	ug/kg	295								
71-43-2	Benzene	E624	ug/kg	137								
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856								
74-83-9	Bromomethane	E624	ug/kg	732								
74-87-3	Chloromethane	E624	ug/kg	11900								
74-97-5	Bromochloromethane	E624	ug/kg	NL								
75-00-3	Chloroethane	E624	ug/kg	1450000								
75-01-4	Vinyl Chloride	E624	ug/kg	59.7								
75-09-2	Methylene chloride	E624	ug/kg	10700								
75-15-0	Carbon Disulfide	E624	ug/kg	0.851								
75-25-2	Bromoform	E624	ug/kg	1310								
75-27-4	Bromodichloromethane	E624	ug/kg	273								
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310								
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780								
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700								
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400								
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000								
78-87-5	1,2-Dichloropropane	E624	ug/kg	895								
78-93-3	2-Butanone	E624	ug/kg	2780000								
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570								
79-01-6	Trichloroethene	E624	ug/kg	1600								
79-20-9	Methyl Acetate	E624	ug/kg	7820000								

				sys_loc_code:	A26		A27		A28		A29	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A26 0-12		A27 0-12		A28 0-12		A29 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/15/2009		07/15/2009		07/15/2009		07/15/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202								
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858								
95-47-6	o-Xylene	E624	ug/kg	NL								
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989								
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35								
98-82-8	Isopropylbenzene	E624	ug/kg	86								
100-01-6	4-Nitroaniline	E625	ug/kg	24300								
100-02-7	4-Nitrophenol	E625	ug/kg	NL								
100-52-7	Benzaldehyde	E625	ug/kg	782000								
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230								
105-60-2	Caprolactam	E625	ug/kg	3060000								
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29								
106-44-5	4-Methylphenol	E625	ug/kg	670								
106-47-8	4-Chloroaniline	E625	ug/kg	2430								
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570								
108-95-2	Phenol	E625	ug/kg	420								
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214								
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300								
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182								
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL								
118-74-1	Hexachlorobenzene	E625	ug/kg	20								
120-12-7	Anthracene	E625	ug/kg	46.9								
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117								
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6								
129-00-0	Pyrene	E625	ug/kg	153								
131-11-3	Dimethylphthalate	E625	ug/kg	NL								
132-64-9	Dibenzofuran	E625	ug/kg	7300								
1912-24-9	Atrazine	E625	ug/kg	6.62								
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170								
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17								
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148								
206-44-0	Fluoranthene	E625	ug/kg	113								
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240								

				sys_loc_code:	A26		A27		A28		A29	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A26 0-12		A27 0-12		A28 0-12		A29 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/15/2009		07/15/2009		07/15/2009		07/15/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
208-96-8	Acenaphthylene	E625	ug/kg	5.87								
218-01-9	Chrysene	E625	ug/kg	108								
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8								
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200								
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611								
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22								
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8								
58-90-2	Chlorophenols	E625	ug/kg	284								
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000								
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120								
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4								
67-72-1	Hexachloroethane	E625	ug/kg	804								
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL								
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139								
78-59-1	Isophorone	E625	ug/kg	511000								
83-32-9	Acenaphthene	E625	ug/kg	6.71								
84-66-2	Diethylphthalate	E625	ug/kg	218								
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160								
85-01-8	Phenanthrene	E625	ug/kg	86.7								
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800								
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100								
86-73-7	Fluorene	E625	ug/kg	19								
86-74-8	Carbazole	E625	ug/kg	NL								
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110								
87-86-5	Pentachlorophenol	E625	ug/kg	2970								
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650								
88-74-4	2-Nitroaniline	E625	ug/kg	60600								
88-75-5	2-Nitrophenol	E625	ug/kg	NL								
91-20-3	Naphthalene	E625	ug/kg	34.6								
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2								
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000								
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080								
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220								

				sys_loc_code:	A26		A27		A28		A29	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A26 0-12		A27 0-12		A28 0-12		A29 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/15/2009		07/15/2009		07/15/2009		07/15/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
95-48-7	2-Methylphenol	E625	ug/kg	306000								
95-57-8	2-Chlorophenol	E625	ug/kg	344								
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830								
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819								
98-86-2	Acetophenone	E625	ug/kg	782000								
98-95-3	Nitrobenzene	E625	ug/kg	4790								
99-09-2	3-Nitroaniline	E625	ug/kg	NL								

				sys_loc_code:	A3		A30		A31		A32	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A3 0-12		A30 0-12		A31 0-12		A32 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/01/2009		07/15/2009		07/15/2009		07/01/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	C200.7	mg/kg	7740								
7439-89-6	Iron	C200.7	mg/kg	2000								
7439-92-1	Lead	C200.7	mg/kg	30.2								
7439-95-4	Magnesium	C200.7	mg/kg	NL								
7439-96-5	Manganese	C200.7	mg/kg	183								
7440-02-0	Nickel	C200.7	mg/kg	15.9								
7440-09-7	Potassium	C200.7	mg/kg	NL								
7440-22-4	Silver	C200.7	mg/kg	0.73								
7440-23-5	Sodium	C200.7	mg/kg	NL								
7440-28-0	Thallium	C200.7	mg/kg	100000								
7440-31-5	Tin	C200.7	mg/kg	NL								
7440-36-0	Antimony	C200.7	mg/kg	2								
7440-38-2	Arsenic	C200.7	mg/kg	0.389								
7440-39-3	Barium	C200.7	mg/kg	130.1								
7440-41-7	Beryllium	C200.7	mg/kg	15.6								
7440-43-9	Cadmium	C200.7	mg/kg	0.68								
7440-47-3	Chromium	C200.7	mg/kg	52.3								
7440-48-4	Cobalt	C200.7	mg/kg	2.34								
7440-50-8	Copper	C200.7	mg/kg	18.7								
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548								
7440-66-6	Zinc	C200.7	mg/kg	124								
7440-70-2	Calcium	C200.7	mg/kg	NL								
7782-49-2	Selenium	C200.7	mg/kg	2								
7429-90-5	Aluminum	E200.7	mg/kg	7740	2540	J	3280		3670		1610	
7439-89-6	Iron	E200.7	mg/kg	2000	41100	J	80700		49500		24700	
7439-92-1	Lead	E200.7	mg/kg	30.2	41.2						63.9	R
7439-95-4	Magnesium	E200.7	mg/kg	NL	506		713		631		565	J
7439-96-5	Manganese	E200.7	mg/kg	183	90.7	J					39	J
7440-02-0	Nickel	E200.7	mg/kg	15.9								
7440-09-7	Potassium	E200.7	mg/kg	NL	172	J	529		241		226	J
7440-22-4	Silver	E200.7	mg/kg	0.73								
7440-23-5	Sodium	E200.7	mg/kg	NL	1090		1360		1560		1640	
7440-31-5	Tin	E200.7	mg/kg	NL								

Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 1 Sediment Samples < 12 inches

				sys_loc_code:	A3		A30		A31		A32	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A3 0-12		A30 0-12		A31 0-12		A32 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/01/2009		07/15/2009		07/15/2009		07/01/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7440-36-0	Antimony	E200.7	mg/kg	2								
7440-38-2	Arsenic	E200.7	mg/kg	0.389	14.4	J					6.4	
7440-47-3	Chromium	E200.7	mg/kg	52.3								
7440-50-8	Copper	E200.7	mg/kg	18.7	16.9	J					14.1	J
7440-66-6	Zinc	E200.7	mg/kg	124	78.7						39.7	
7440-70-2	Calcium	E200.7	mg/kg	NL	496		1660		3890		587	U
7439-92-1	Lead	E200.8	mg/kg	30.2			18.1	J	27.3	J		
7439-96-5	Manganese	E200.8	mg/kg	183			58.5	J	69.9	J		
7440-02-0	Nickel	E200.8	mg/kg	15.9	5.4	J	6.9	J	5	J	2.3	J
7440-22-4	Silver	E200.8	mg/kg	0.73	0.23	UJ	0.28	UJ	0.28	UJ	0.3	UJ
7440-28-0	Thallium	E200.8	mg/kg	100000	0.45	U	0.56	U	0.57	U	0.59	U
7440-36-0	Antimony	E200.8	mg/kg	2	2.2		1.2		1.2		1.2	
7440-38-2	Arsenic	E200.8	mg/kg	0.389			6.7	J	7.5	J		
7440-39-3	Barium	E200.8	mg/kg	130.1	4.5	UJ	5.6	UJ	5.7	UJ	5.9	UJ
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.5		0.73		0.66		0.34	
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.23	U	0.51	J	0.28	UJ	0.3	U
7440-47-3	Chromium	E200.8	mg/kg	52.3	17		23.6	J	32	J	10.2	
7440-48-4	Cobalt	E200.8	mg/kg	2.34	1.6	J	3.5	J	1.9	J	0.87	J
7440-50-8	Copper	E200.8	mg/kg	18.7			10.1	J	9.7	J		
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	28		49.2		51.5		22.3	
7440-66-6	Zinc	E200.8	mg/kg	124			53.8	J	54.7	J		
7782-49-2	Selenium	E200.8	mg/kg	2	0.45	U	0.38	J	0.36	J	0.59	U
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.034	U	0.035	U	0.024	J	0.036	U
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6								
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357								
309-00-2	Aldrin	CPEST	ug/kg	2								
319-84-6	Alpha-Bhc	CPEST	ug/kg	3								
319-85-7	Beta-Bhc	CPEST	ug/kg	3								
319-86-8	Delta-Bhc	CPEST	ug/kg	3								
33213-65-9	Endosulfan II	CPEST	ug/kg	14								
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19								
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7								
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7								

				sys_loc_code:	A3		A30		A31		A32	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A3 0-12		A30 0-12		A31 0-12		A32 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/01/2009		07/15/2009		07/15/2009		07/01/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL								
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32								
60-57-1	Dieldrin	CPEST	ug/kg	0.72								
72-20-8	Endrin	CPEST	ug/kg	2.67								
72-43-5	Methoxychlor	CPEST	ug/kg	29.6								
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22								
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07								
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL								
76-44-8	Heptachlor	CPEST	ug/kg	68								
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1								
959-98-8	Endosulfan I	CPEST	ug/kg	2.9								
11096-82-5	Aroclor 1260	E608	ug/kg	21.6								
11097-69-1	Aroclor 1254	E608	ug/kg	23								
11100-14-4	Aroclor 1268	E608	ug/kg	21.6								
11104-28-2	Aroclor 1221	E608	ug/kg	21.6								
11141-16-5	Aroclor 1232	E608	ug/kg	21.6								
12672-29-6	Aroclor 1248	E608	ug/kg	21.6								
12674-11-2	Aroclor 1016	E608	ug/kg	21.6								
37324-23-5	Aroclor 1262	E608	ug/kg	21.6								
53469-21-9	Aroclor 1242	E608	ug/kg	21.6								
100-41-4	Ethylbenzene	E624	ug/kg	305								
100-42-5	Styrene	E624	ug/kg	7070								
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL								
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL								
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460								
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7								
107-06-2	1,2-Dichloroethane	E624	ug/kg	432								
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000								
108-87-2	Methylcyclohexane	E624	ug/kg	NL								
108-88-3	Toluene	E624	ug/kg	1090								
108-90-7	Chlorobenzene	E624	ug/kg	162								
110-82-7	Cyclohexane	E624	ug/kg	117000								
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473								

				sys_loc_code:	A3		A30		A31		A32	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A3 0-12		A30 0-12		A31 0-12		A32 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/01/2009		07/15/2009		07/15/2009		07/01/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
123-91-1	1,4-Dioxane	E624	ug/kg	44100								
124-48-1	Dibromochloromethane	E624	ug/kg	680								
127-18-4	Tetrachloroethene	E624	ug/kg	190								
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200								
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300								
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300								
179601-23-1	m,p-Xylene	E624	ug/kg	NL								
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842								
56-23-5	Carbon tetrachloride	E624	ug/kg	248								
591-78-6	2-Hexanone	E624	ug/kg	20900								
67-64-1	Acetone	E624	ug/kg	6130000								
67-66-3	Chloroform	E624	ug/kg	295								
71-43-2	Benzene	E624	ug/kg	137								
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856								
74-83-9	Bromomethane	E624	ug/kg	732								
74-87-3	Chloromethane	E624	ug/kg	11900								
74-97-5	Bromochloromethane	E624	ug/kg	NL								
75-00-3	Chloroethane	E624	ug/kg	1450000								
75-01-4	Vinyl Chloride	E624	ug/kg	59.7								
75-09-2	Methylene chloride	E624	ug/kg	10700								
75-15-0	Carbon Disulfide	E624	ug/kg	0.851								
75-25-2	Bromoform	E624	ug/kg	1310								
75-27-4	Bromodichloromethane	E624	ug/kg	273								
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310								
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780								
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700								
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400								
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000								
78-87-5	1,2-Dichloropropane	E624	ug/kg	895								
78-93-3	2-Butanone	E624	ug/kg	2780000								
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570								
79-01-6	Trichloroethene	E624	ug/kg	1600								
79-20-9	Methyl Acetate	E624	ug/kg	7820000								

				sys_loc_code:	A3		A30		A31		A32	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A3 0-12		A30 0-12		A31 0-12		A32 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/01/2009		07/15/2009		07/15/2009		07/01/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202								
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858								
95-47-6	o-Xylene	E624	ug/kg	NL								
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989								
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35								
98-82-8	Isopropylbenzene	E624	ug/kg	86								
100-01-6	4-Nitroaniline	E625	ug/kg	24300								
100-02-7	4-Nitrophenol	E625	ug/kg	NL								
100-52-7	Benzaldehyde	E625	ug/kg	782000								
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230								
105-60-2	Caprolactam	E625	ug/kg	3060000								
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29								
106-44-5	4-Methylphenol	E625	ug/kg	670								
106-47-8	4-Chloroaniline	E625	ug/kg	2430								
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570								
108-95-2	Phenol	E625	ug/kg	420								
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214								
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300								
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182								
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL								
118-74-1	Hexachlorobenzene	E625	ug/kg	20								
120-12-7	Anthracene	E625	ug/kg	46.9								
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117								
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6								
129-00-0	Pyrene	E625	ug/kg	153								
131-11-3	Dimethylphthalate	E625	ug/kg	NL								
132-64-9	Dibenzofuran	E625	ug/kg	7300								
1912-24-9	Atrazine	E625	ug/kg	6.62								
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170								
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17								
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148								
206-44-0	Fluoranthene	E625	ug/kg	113								
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240								

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				sys_loc_code:	A3		A30		A31		A32	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A3 0-12		A30 0-12		A31 0-12		A32 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/01/2009		07/15/2009		07/15/2009		07/01/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
208-96-8	Acenaphthylene	E625	ug/kg	5.87								
218-01-9	Chrysene	E625	ug/kg	108								
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8								
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200								
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611								
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22								
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8								
58-90-2	Chlorophenols	E625	ug/kg	284								
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000								
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120								
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4								
67-72-1	Hexachloroethane	E625	ug/kg	804								
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL								
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139								
78-59-1	Isophorone	E625	ug/kg	511000								
83-32-9	Acenaphthene	E625	ug/kg	6.71								
84-66-2	Diethylphthalate	E625	ug/kg	218								
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160								
85-01-8	Phenanthrene	E625	ug/kg	86.7								
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800								
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100								
86-73-7	Fluorene	E625	ug/kg	19								
86-74-8	Carbazole	E625	ug/kg	NL								
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110								
87-86-5	Pentachlorophenol	E625	ug/kg	2970								
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650								
88-74-4	2-Nitroaniline	E625	ug/kg	60600								
88-75-5	2-Nitrophenol	E625	ug/kg	NL								
91-20-3	Naphthalene	E625	ug/kg	34.6								
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2								
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000								
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080								
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220								

				sys_loc_code:	A3		A30		A31		A32	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A3 0-12		A30 0-12		A31 0-12		A32 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/01/2009		07/15/2009		07/15/2009		07/01/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
95-48-7	2-Methylphenol	E625	ug/kg	306000								
95-57-8	2-Chlorophenol	E625	ug/kg	344								
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830								
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819								
98-86-2	Acetophenone	E625	ug/kg	782000								
98-95-3	Nitrobenzene	E625	ug/kg	4790								
99-09-2	3-Nitroaniline	E625	ug/kg	NL								

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				sys_loc_code:	A33		A34		A35		A36	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A33 0-12		A34 0-12		A35 0-12		A36 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/01/2009		07/01/2009		07/01/2009		07/15/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	C200.7	mg/kg	7740								
7439-89-6	Iron	C200.7	mg/kg	2000								
7439-92-1	Lead	C200.7	mg/kg	30.2								
7439-95-4	Magnesium	C200.7	mg/kg	NL								
7439-96-5	Manganese	C200.7	mg/kg	183								
7440-02-0	Nickel	C200.7	mg/kg	15.9								
7440-09-7	Potassium	C200.7	mg/kg	NL								
7440-22-4	Silver	C200.7	mg/kg	0.73								
7440-23-5	Sodium	C200.7	mg/kg	NL								
7440-28-0	Thallium	C200.7	mg/kg	100000								
7440-31-5	Tin	C200.7	mg/kg	NL								
7440-36-0	Antimony	C200.7	mg/kg	2								
7440-38-2	Arsenic	C200.7	mg/kg	0.389								
7440-39-3	Barium	C200.7	mg/kg	130.1								
7440-41-7	Beryllium	C200.7	mg/kg	15.6								
7440-43-9	Cadmium	C200.7	mg/kg	0.68								
7440-47-3	Chromium	C200.7	mg/kg	52.3								
7440-48-4	Cobalt	C200.7	mg/kg	2.34								
7440-50-8	Copper	C200.7	mg/kg	18.7								
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548								
7440-66-6	Zinc	C200.7	mg/kg	124								
7440-70-2	Calcium	C200.7	mg/kg	NL								
7782-49-2	Selenium	C200.7	mg/kg	2								
7429-90-5	Aluminum	E200.7	mg/kg	7740	2850		3020		1530		2110	
7439-89-6	Iron	E200.7	mg/kg	2000	52500		32300	J	19000		19400	
7439-92-1	Lead	E200.7	mg/kg	30.2	298	R			4.4	R		
7439-95-4	Magnesium	E200.7	mg/kg	NL	727		871		154	J	258	
7439-96-5	Manganese	E200.7	mg/kg	183	100	J			18.3	J		
7440-02-0	Nickel	E200.7	mg/kg	15.9								
7440-09-7	Potassium	E200.7	mg/kg	NL	210	J	430	J	72.9	J	126	
7440-22-4	Silver	E200.7	mg/kg	0.73								
7440-23-5	Sodium	E200.7	mg/kg	NL	1430		1660	J	626	U	1150	
7440-31-5	Tin	E200.7	mg/kg	NL								

Raritan Bay Slag Superfund Site
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Data Gap Technical Memorandum
Area 1 Sediment Samples < 12 inches

				sys_loc_code:	A33		A34		A35		A36	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A33 0-12		A34 0-12		A35 0-12		A36 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/01/2009		07/01/2009		07/01/2009		07/15/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7440-36-0	Antimony	E200.7	mg/kg	2								
7440-38-2	Arsenic	E200.7	mg/kg	0.389	11.9				5.2			
7440-47-3	Chromium	E200.7	mg/kg	52.3								
7440-50-8	Copper	E200.7	mg/kg	18.7	11.9	J			21.2			
7440-66-6	Zinc	E200.7	mg/kg	124	58.9				23.1			
7440-70-2	Calcium	E200.7	mg/kg	NL	573		1690		626	U	220	
7439-92-1	Lead	E200.8	mg/kg	30.2			105	J			75.4	J
7439-96-5	Manganese	E200.8	mg/kg	183			127	J			16.3	J
7440-02-0	Nickel	E200.8	mg/kg	15.9	5.7	J	8.2	J	1.4	J	5.5	J
7440-22-4	Silver	E200.8	mg/kg	0.73	0.27	UJ	0.31	UJ	0.27	UJ	0.3	UJ
7440-28-0	Thallium	E200.8	mg/kg	100000	0.55	U	0.63	UJ	0.53	U	0.59	U
7440-36-0	Antimony	E200.8	mg/kg	2	2.5		2.7		1.1	U	3.6	
7440-38-2	Arsenic	E200.8	mg/kg	0.389			13.8				6.7	J
7440-39-3	Barium	E200.8	mg/kg	130.1	5.5	UJ	7.7		5.3	UJ	0.59	UJ
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.6		0.33		0.32		0.33	
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.27	U	0.31	U	0.27	U	0.5	J
7440-47-3	Chromium	E200.8	mg/kg	52.3	17.9		15.4	J	8.4		10.7	J
7440-48-4	Cobalt	E200.8	mg/kg	2.34	1.9	J	3.8	J	0.82	J	5.1	J
7440-50-8	Copper	E200.8	mg/kg	18.7			11	J			7.1	J
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	26.9		27.9	J	16.7		29	
7440-66-6	Zinc	E200.8	mg/kg	124			39.9	J			69.7	J
7782-49-2	Selenium	E200.8	mg/kg	2	0.55	U	0.59	J	0.53	U	0.29	J
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.031	J	0.08	J	0.038		0.035	U
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6								
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357								
309-00-2	Aldrin	CPEST	ug/kg	2								
319-84-6	Alpha-Bhc	CPEST	ug/kg	3								
319-85-7	Beta-Bhc	CPEST	ug/kg	3								
319-86-8	Delta-Bhc	CPEST	ug/kg	3								
33213-65-9	Endosulfan II	CPEST	ug/kg	14								
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19								
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7								
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7								

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				sys_loc_code:	A33		A34		A35		A36	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A33 0-12		A34 0-12		A35 0-12		A36 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/01/2009		07/01/2009		07/01/2009		07/15/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL								
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32								
60-57-1	Dieldrin	CPEST	ug/kg	0.72								
72-20-8	Endrin	CPEST	ug/kg	2.67								
72-43-5	Methoxychlor	CPEST	ug/kg	29.6								
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22								
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07								
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL								
76-44-8	Heptachlor	CPEST	ug/kg	68								
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1								
959-98-8	Endosulfan I	CPEST	ug/kg	2.9								
11096-82-5	Aroclor 1260	E608	ug/kg	21.6								
11097-69-1	Aroclor 1254	E608	ug/kg	23								
11100-14-4	Aroclor 1268	E608	ug/kg	21.6								
11104-28-2	Aroclor 1221	E608	ug/kg	21.6								
11141-16-5	Aroclor 1232	E608	ug/kg	21.6								
12672-29-6	Aroclor 1248	E608	ug/kg	21.6								
12674-11-2	Aroclor 1016	E608	ug/kg	21.6								
37324-23-5	Aroclor 1262	E608	ug/kg	21.6								
53469-21-9	Aroclor 1242	E608	ug/kg	21.6								
100-41-4	Ethylbenzene	E624	ug/kg	305								
100-42-5	Styrene	E624	ug/kg	7070								
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL								
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL								
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460								
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7								
107-06-2	1,2-Dichloroethane	E624	ug/kg	432								
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000								
108-87-2	Methylcyclohexane	E624	ug/kg	NL								
108-88-3	Toluene	E624	ug/kg	1090								
108-90-7	Chlorobenzene	E624	ug/kg	162								
110-82-7	Cyclohexane	E624	ug/kg	117000								
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473								

				sys_loc_code:	A33		A34		A35		A36	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A33 0-12		A34 0-12		A35 0-12		A36 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/01/2009		07/01/2009		07/01/2009		07/15/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
123-91-1	1,4-Dioxane	E624	ug/kg	44100								
124-48-1	Dibromochloromethane	E624	ug/kg	680								
127-18-4	Tetrachloroethene	E624	ug/kg	190								
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200								
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300								
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300								
179601-23-1	m,p-Xylene	E624	ug/kg	NL								
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842								
56-23-5	Carbon tetrachloride	E624	ug/kg	248								
591-78-6	2-Hexanone	E624	ug/kg	20900								
67-64-1	Acetone	E624	ug/kg	6130000								
67-66-3	Chloroform	E624	ug/kg	295								
71-43-2	Benzene	E624	ug/kg	137								
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856								
74-83-9	Bromomethane	E624	ug/kg	732								
74-87-3	Chloromethane	E624	ug/kg	11900								
74-97-5	Bromochloromethane	E624	ug/kg	NL								
75-00-3	Chloroethane	E624	ug/kg	1450000								
75-01-4	Vinyl Chloride	E624	ug/kg	59.7								
75-09-2	Methylene chloride	E624	ug/kg	10700								
75-15-0	Carbon Disulfide	E624	ug/kg	0.851								
75-25-2	Bromoform	E624	ug/kg	1310								
75-27-4	Bromodichloromethane	E624	ug/kg	273								
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310								
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780								
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700								
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400								
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000								
78-87-5	1,2-Dichloropropane	E624	ug/kg	895								
78-93-3	2-Butanone	E624	ug/kg	2780000								
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570								
79-01-6	Trichloroethene	E624	ug/kg	1600								
79-20-9	Methyl Acetate	E624	ug/kg	7820000								

				sys_loc_code:	A33		A34		A35		A36	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A33 0-12		A34 0-12		A35 0-12		A36 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/01/2009		07/01/2009		07/01/2009		07/15/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202								
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858								
95-47-6	o-Xylene	E624	ug/kg	NL								
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989								
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35								
98-82-8	Isopropylbenzene	E624	ug/kg	86								
100-01-6	4-Nitroaniline	E625	ug/kg	24300								
100-02-7	4-Nitrophenol	E625	ug/kg	NL								
100-52-7	Benzaldehyde	E625	ug/kg	782000								
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230								
105-60-2	Caprolactam	E625	ug/kg	3060000								
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29								
106-44-5	4-Methylphenol	E625	ug/kg	670								
106-47-8	4-Chloroaniline	E625	ug/kg	2430								
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570								
108-95-2	Phenol	E625	ug/kg	420								
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214								
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300								
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182								
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL								
118-74-1	Hexachlorobenzene	E625	ug/kg	20								
120-12-7	Anthracene	E625	ug/kg	46.9								
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117								
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6								
129-00-0	Pyrene	E625	ug/kg	153								
131-11-3	Dimethylphthalate	E625	ug/kg	NL								
132-64-9	Dibenzofuran	E625	ug/kg	7300								
1912-24-9	Atrazine	E625	ug/kg	6.62								
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170								
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17								
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148								
206-44-0	Fluoranthene	E625	ug/kg	113								
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240								

				sys_loc_code:	A33		A34		A35		A36	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A33 0-12		A34 0-12		A35 0-12		A36 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/01/2009		07/01/2009		07/01/2009		07/15/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
208-96-8	Acenaphthylene	E625	ug/kg	5.87								
218-01-9	Chrysene	E625	ug/kg	108								
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8								
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200								
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611								
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22								
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8								
58-90-2	Chlorophenols	E625	ug/kg	284								
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000								
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120								
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4								
67-72-1	Hexachloroethane	E625	ug/kg	804								
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL								
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139								
78-59-1	Isophorone	E625	ug/kg	511000								
83-32-9	Acenaphthene	E625	ug/kg	6.71								
84-66-2	Diethylphthalate	E625	ug/kg	218								
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160								
85-01-8	Phenanthrene	E625	ug/kg	86.7								
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800								
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100								
86-73-7	Fluorene	E625	ug/kg	19								
86-74-8	Carbazole	E625	ug/kg	NL								
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110								
87-86-5	Pentachlorophenol	E625	ug/kg	2970								
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650								
88-74-4	2-Nitroaniline	E625	ug/kg	60600								
88-75-5	2-Nitrophenol	E625	ug/kg	NL								
91-20-3	Naphthalene	E625	ug/kg	34.6								
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2								
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000								
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080								
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220								

				sys_loc_code:	A33		A34		A35		A36	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A33 0-12		A34 0-12		A35 0-12		A36 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/01/2009		07/01/2009		07/01/2009		07/15/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
95-48-7	2-Methylphenol	E625	ug/kg	306000								
95-57-8	2-Chlorophenol	E625	ug/kg	344								
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830								
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819								
98-86-2	Acetophenone	E625	ug/kg	782000								
98-95-3	Nitrobenzene	E625	ug/kg	4790								
99-09-2	3-Nitroaniline	E625	ug/kg	NL								

				sys_loc_code:	A37		A38		A39		A4	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A37 0-12		A38 0-12		A39 0-12		A4 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/15/2009		07/15/2009		07/15/2009		07/01/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	C200.7	mg/kg	7740								
7439-89-6	Iron	C200.7	mg/kg	2000								
7439-92-1	Lead	C200.7	mg/kg	30.2								
7439-95-4	Magnesium	C200.7	mg/kg	NL								
7439-96-5	Manganese	C200.7	mg/kg	183								
7440-02-0	Nickel	C200.7	mg/kg	15.9								
7440-09-7	Potassium	C200.7	mg/kg	NL								
7440-22-4	Silver	C200.7	mg/kg	0.73								
7440-23-5	Sodium	C200.7	mg/kg	NL								
7440-28-0	Thallium	C200.7	mg/kg	100000								
7440-31-5	Tin	C200.7	mg/kg	NL								
7440-36-0	Antimony	C200.7	mg/kg	2								
7440-38-2	Arsenic	C200.7	mg/kg	0.389								
7440-39-3	Barium	C200.7	mg/kg	130.1								
7440-41-7	Beryllium	C200.7	mg/kg	15.6								
7440-43-9	Cadmium	C200.7	mg/kg	0.68								
7440-47-3	Chromium	C200.7	mg/kg	52.3								
7440-48-4	Cobalt	C200.7	mg/kg	2.34								
7440-50-8	Copper	C200.7	mg/kg	18.7								
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548								
7440-66-6	Zinc	C200.7	mg/kg	124								
7440-70-2	Calcium	C200.7	mg/kg	NL								
7782-49-2	Selenium	C200.7	mg/kg	2								
7429-90-5	Aluminum	E200.7	mg/kg	7740	1590		1720		6280		2280	J
7439-89-6	Iron	E200.7	mg/kg	2000	16900		31200		28500		47100	J
7439-92-1	Lead	E200.7	mg/kg	30.2							1620	
7439-95-4	Magnesium	E200.7	mg/kg	NL	131		512		3490		609	
7439-96-5	Manganese	E200.7	mg/kg	183							97.4	J
7440-02-0	Nickel	E200.7	mg/kg	15.9								
7440-09-7	Potassium	E200.7	mg/kg	NL	117		276		1520		188	J
7440-22-4	Silver	E200.7	mg/kg	0.73								
7440-23-5	Sodium	E200.7	mg/kg	NL	526		966		7450		1140	
7440-31-5	Tin	E200.7	mg/kg	NL								

				sys_loc_code:	A37		A38		A39		A4	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A37 0-12		A38 0-12		A39 0-12		A4 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/15/2009		07/15/2009		07/15/2009		07/01/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7440-36-0	Antimony	E200.7	mg/kg	2								
7440-38-2	Arsenic	E200.7	mg/kg	0.389							37.7	J
7440-47-3	Chromium	E200.7	mg/kg	52.3								
7440-50-8	Copper	E200.7	mg/kg	18.7							317	J
7440-66-6	Zinc	E200.7	mg/kg	124							196	
7440-70-2	Calcium	E200.7	mg/kg	NL	182		925		1940		1440	
7439-92-1	Lead	E200.8	mg/kg	30.2	24.3	J			128	J		
7439-96-5	Manganese	E200.8	mg/kg	183	9.3	J	211	J	130	J		
7440-02-0	Nickel	E200.8	mg/kg	15.9	1.2	J	54.4	J	10.8	J	10	J
7440-22-4	Silver	E200.8	mg/kg	0.73	0.3	UJ	0.89	J	0.49	UJ	0.2	UJ
7440-28-0	Thallium	E200.8	mg/kg	100000	0.6	U	0.57	U	0.99	U	0.4	U
7440-36-0	Antimony	E200.8	mg/kg	2	1.2	U			3.3		998	
7440-38-2	Arsenic	E200.8	mg/kg	0.389	3.7	J	334	J	17.9	J		
7440-39-3	Barium	E200.8	mg/kg	130.1	6	UJ	87.4	J	11.3	J	25.3	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.3	U	0.31		0.6		0.32	
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.3	UJ	4	J	0.19	J	1.8	
7440-47-3	Chromium	E200.8	mg/kg	52.3	10.4	J	15.9	J	21.9	J	16.4	
7440-48-4	Cobalt	E200.8	mg/kg	2.34	0.6	UJ	5.5	J	3.4	J	2.2	J
7440-50-8	Copper	E200.8	mg/kg	18.7	5.2	J	902	J	21.9	J		
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	19.5		23.7		47		29.2	
7440-66-6	Zinc	E200.8	mg/kg	124	28.1	J	353	J	74	J		
7782-49-2	Selenium	E200.8	mg/kg	2	0.11	J	1.7		0.88	J	0.4	U
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.037	U	0.042		0.058	U	0.035	U
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6								
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357								
309-00-2	Aldrin	CPEST	ug/kg	2								
319-84-6	Alpha-Bhc	CPEST	ug/kg	3								
319-85-7	Beta-Bhc	CPEST	ug/kg	3								
319-86-8	Delta-Bhc	CPEST	ug/kg	3								
33213-65-9	Endosulfan II	CPEST	ug/kg	14								
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19								
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7								
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7								

				sys_loc_code:	A37		A38		A39		A4	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A37 0-12		A38 0-12		A39 0-12		A4 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/15/2009		07/15/2009		07/15/2009		07/01/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL								
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32								
60-57-1	Dieldrin	CPEST	ug/kg	0.72								
72-20-8	Endrin	CPEST	ug/kg	2.67								
72-43-5	Methoxychlor	CPEST	ug/kg	29.6								
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22								
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07								
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL								
76-44-8	Heptachlor	CPEST	ug/kg	68								
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1								
959-98-8	Endosulfan I	CPEST	ug/kg	2.9								
11096-82-5	Aroclor 1260	E608	ug/kg	21.6								
11097-69-1	Aroclor 1254	E608	ug/kg	23								
11100-14-4	Aroclor 1268	E608	ug/kg	21.6								
11104-28-2	Aroclor 1221	E608	ug/kg	21.6								
11141-16-5	Aroclor 1232	E608	ug/kg	21.6								
12672-29-6	Aroclor 1248	E608	ug/kg	21.6								
12674-11-2	Aroclor 1016	E608	ug/kg	21.6								
37324-23-5	Aroclor 1262	E608	ug/kg	21.6								
53469-21-9	Aroclor 1242	E608	ug/kg	21.6								
100-41-4	Ethylbenzene	E624	ug/kg	305								
100-42-5	Styrene	E624	ug/kg	7070								
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL								
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL								
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460								
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7								
107-06-2	1,2-Dichloroethane	E624	ug/kg	432								
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000								
108-87-2	Methylcyclohexane	E624	ug/kg	NL								
108-88-3	Toluene	E624	ug/kg	1090								
108-90-7	Chlorobenzene	E624	ug/kg	162								
110-82-7	Cyclohexane	E624	ug/kg	117000								
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473								

				sys_loc_code:	A37		A38		A39		A4	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A37 0-12		A38 0-12		A39 0-12		A4 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/15/2009		07/15/2009		07/15/2009		07/01/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
123-91-1	1,4-Dioxane	E624	ug/kg	44100								
124-48-1	Dibromochloromethane	E624	ug/kg	680								
127-18-4	Tetrachloroethene	E624	ug/kg	190								
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200								
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300								
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300								
179601-23-1	m,p-Xylene	E624	ug/kg	NL								
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842								
56-23-5	Carbon tetrachloride	E624	ug/kg	248								
591-78-6	2-Hexanone	E624	ug/kg	20900								
67-64-1	Acetone	E624	ug/kg	6130000								
67-66-3	Chloroform	E624	ug/kg	295								
71-43-2	Benzene	E624	ug/kg	137								
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856								
74-83-9	Bromomethane	E624	ug/kg	732								
74-87-3	Chloromethane	E624	ug/kg	11900								
74-97-5	Bromochloromethane	E624	ug/kg	NL								
75-00-3	Chloroethane	E624	ug/kg	1450000								
75-01-4	Vinyl Chloride	E624	ug/kg	59.7								
75-09-2	Methylene chloride	E624	ug/kg	10700								
75-15-0	Carbon Disulfide	E624	ug/kg	0.851								
75-25-2	Bromoform	E624	ug/kg	1310								
75-27-4	Bromodichloromethane	E624	ug/kg	273								
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310								
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780								
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700								
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400								
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000								
78-87-5	1,2-Dichloropropane	E624	ug/kg	895								
78-93-3	2-Butanone	E624	ug/kg	2780000								
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570								
79-01-6	Trichloroethene	E624	ug/kg	1600								
79-20-9	Methyl Acetate	E624	ug/kg	7820000								

				sys_loc_code:	A37		A38		A39		A4	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A37 0-12		A38 0-12		A39 0-12		A4 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/15/2009		07/15/2009		07/15/2009		07/01/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202								
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858								
95-47-6	o-Xylene	E624	ug/kg	NL								
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989								
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35								
98-82-8	Isopropylbenzene	E624	ug/kg	86								
100-01-6	4-Nitroaniline	E625	ug/kg	24300								
100-02-7	4-Nitrophenol	E625	ug/kg	NL								
100-52-7	Benzaldehyde	E625	ug/kg	782000								
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230								
105-60-2	Caprolactam	E625	ug/kg	3060000								
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29								
106-44-5	4-Methylphenol	E625	ug/kg	670								
106-47-8	4-Chloroaniline	E625	ug/kg	2430								
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570								
108-95-2	Phenol	E625	ug/kg	420								
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214								
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300								
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182								
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL								
118-74-1	Hexachlorobenzene	E625	ug/kg	20								
120-12-7	Anthracene	E625	ug/kg	46.9								
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117								
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6								
129-00-0	Pyrene	E625	ug/kg	153								
131-11-3	Dimethylphthalate	E625	ug/kg	NL								
132-64-9	Dibenzofuran	E625	ug/kg	7300								
1912-24-9	Atrazine	E625	ug/kg	6.62								
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170								
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17								
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148								
206-44-0	Fluoranthene	E625	ug/kg	113								
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240								

				sys_loc_code:	A37		A38		A39		A4	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A37 0-12		A38 0-12		A39 0-12		A4 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/15/2009		07/15/2009		07/15/2009		07/01/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
208-96-8	Acenaphthylene	E625	ug/kg	5.87								
218-01-9	Chrysene	E625	ug/kg	108								
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8								
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200								
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611								
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22								
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8								
58-90-2	Chlorophenols	E625	ug/kg	284								
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000								
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120								
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4								
67-72-1	Hexachloroethane	E625	ug/kg	804								
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL								
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139								
78-59-1	Isophorone	E625	ug/kg	511000								
83-32-9	Acenaphthene	E625	ug/kg	6.71								
84-66-2	Diethylphthalate	E625	ug/kg	218								
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160								
85-01-8	Phenanthrene	E625	ug/kg	86.7								
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800								
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100								
86-73-7	Fluorene	E625	ug/kg	19								
86-74-8	Carbazole	E625	ug/kg	NL								
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110								
87-86-5	Pentachlorophenol	E625	ug/kg	2970								
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650								
88-74-4	2-Nitroaniline	E625	ug/kg	60600								
88-75-5	2-Nitrophenol	E625	ug/kg	NL								
91-20-3	Naphthalene	E625	ug/kg	34.6								
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2								
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000								
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080								
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220								

Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 1 Sediment Samples < 12 inches

				sys_loc_code:	A37		A38		A39		A4	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A37 0-12		A38 0-12		A39 0-12		A4 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/15/2009		07/15/2009		07/15/2009		07/01/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
95-48-7	2-Methylphenol	E625	ug/kg	306000								
95-57-8	2-Chlorophenol	E625	ug/kg	344								
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830								
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819								
98-86-2	Acetophenone	E625	ug/kg	782000								
98-95-3	Nitrobenzene	E625	ug/kg	4790								
99-09-2	3-Nitroaniline	E625	ug/kg	NL								

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				sys_loc_code:	A40		A41		A42		A43	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A40 0-12		A41 0-12		A42 0-12		A43 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/14/2009		07/22/2009		07/17/2009		07/17/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	C200.7	mg/kg	7740								
7439-89-6	Iron	C200.7	mg/kg	2000								
7439-92-1	Lead	C200.7	mg/kg	30.2								
7439-95-4	Magnesium	C200.7	mg/kg	NL								
7439-96-5	Manganese	C200.7	mg/kg	183								
7440-02-0	Nickel	C200.7	mg/kg	15.9								
7440-09-7	Potassium	C200.7	mg/kg	NL								
7440-22-4	Silver	C200.7	mg/kg	0.73								
7440-23-5	Sodium	C200.7	mg/kg	NL								
7440-28-0	Thallium	C200.7	mg/kg	100000								
7440-31-5	Tin	C200.7	mg/kg	NL								
7440-36-0	Antimony	C200.7	mg/kg	2								
7440-38-2	Arsenic	C200.7	mg/kg	0.389								
7440-39-3	Barium	C200.7	mg/kg	130.1								
7440-41-7	Beryllium	C200.7	mg/kg	15.6								
7440-43-9	Cadmium	C200.7	mg/kg	0.68								
7440-47-3	Chromium	C200.7	mg/kg	52.3								
7440-48-4	Cobalt	C200.7	mg/kg	2.34								
7440-50-8	Copper	C200.7	mg/kg	18.7								
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548								
7440-66-6	Zinc	C200.7	mg/kg	124								
7440-70-2	Calcium	C200.7	mg/kg	NL								
7782-49-2	Selenium	C200.7	mg/kg	2								
7429-90-5	Aluminum	E200.7	mg/kg	7740	2840		3430	J	1560		943	
7439-89-6	Iron	E200.7	mg/kg	2000	54600		10700	J	17300		6450	
7439-92-1	Lead	E200.7	mg/kg	30.2	14.4							
7439-95-4	Magnesium	E200.7	mg/kg	NL	716		1490	J	619		530	
7439-96-5	Manganese	E200.7	mg/kg	183	76.8							
7440-02-0	Nickel	E200.7	mg/kg	15.9								
7440-09-7	Potassium	E200.7	mg/kg	NL	248	J	881	J	272	J	226	J
7440-22-4	Silver	E200.7	mg/kg	0.73								
7440-23-5	Sodium	E200.7	mg/kg	NL	1420		2920	J	2120	J	2010	J
7440-31-5	Tin	E200.7	mg/kg	NL								

Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 1 Sediment Samples < 12 inches

				sys_loc_code:	A40		A41		A42		A43	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A40 0-12		A41 0-12		A42 0-12		A43 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/14/2009		07/22/2009		07/17/2009		07/17/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7440-36-0	Antimony	E200.7	mg/kg	2								
7440-38-2	Arsenic	E200.7	mg/kg	0.389	14.9							
7440-47-3	Chromium	E200.7	mg/kg	52.3								
7440-50-8	Copper	E200.7	mg/kg	18.7	10.4							
7440-66-6	Zinc	E200.7	mg/kg	124	65.5							
7440-70-2	Calcium	E200.7	mg/kg	NL	685		1800		2870		1600	
7439-92-1	Lead	E200.8	mg/kg	30.2			17.9		24	J	12.4	U
7439-96-5	Manganese	E200.8	mg/kg	183			108		24	J	16.6	J
7440-02-0	Nickel	E200.8	mg/kg	15.9	4		4.9	J	4.9		1.5	
7440-22-4	Silver	E200.8	mg/kg	0.73	0.28	UJ	0.35	U	0.29	UJ	0.28	UJ
7440-28-0	Thallium	E200.8	mg/kg	100000	0.56	U	0.71	U	0.59	U	0.55	U
7440-36-0	Antimony	E200.8	mg/kg	2	1.1	U	1.4	U	1.2	U	1.1	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389			5.3		15.5		2.2	
7440-39-3	Barium	E200.8	mg/kg	130.1	3.1	J	7.1	UJ	3.5	J	3.6	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.46		0.27	J	0.29	U	0.28	U
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.28	U	0.35	U	0.29	U	0.28	U
7440-47-3	Chromium	E200.8	mg/kg	52.3	23.4	J	9.9		16.3	J	5.8	J
7440-48-4	Cobalt	E200.8	mg/kg	2.34	1.5	J	2.1		3.5	J	0.58	J
7440-50-8	Copper	E200.8	mg/kg	18.7			7.5	J	11.3	J	6.1	J
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	58.9	J	18.5	J	34.7	J	20.5	J
7440-66-6	Zinc	E200.8	mg/kg	124			30.8	J	45.7		21.9	
7782-49-2	Selenium	E200.8	mg/kg	2	0.56		0.31	J	0.45	J	0.12	J
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.033	J	0.059		0.047		0.034	J
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6								
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357								
309-00-2	Aldrin	CPEST	ug/kg	2								
319-84-6	Alpha-Bhc	CPEST	ug/kg	3								
319-85-7	Beta-Bhc	CPEST	ug/kg	3								
319-86-8	Delta-Bhc	CPEST	ug/kg	3								
33213-65-9	Endosulfan II	CPEST	ug/kg	14								
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19								
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7								
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7								

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				sys_loc_code:	A40		A41		A42		A43	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A40 0-12		A41 0-12		A42 0-12		A43 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/14/2009		07/22/2009		07/17/2009		07/17/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL								
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32								
60-57-1	Dieldrin	CPEST	ug/kg	0.72								
72-20-8	Endrin	CPEST	ug/kg	2.67								
72-43-5	Methoxychlor	CPEST	ug/kg	29.6								
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22								
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07								
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL								
76-44-8	Heptachlor	CPEST	ug/kg	68								
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1								
959-98-8	Endosulfan I	CPEST	ug/kg	2.9								
11096-82-5	Aroclor 1260	E608	ug/kg	21.6								
11097-69-1	Aroclor 1254	E608	ug/kg	23								
11100-14-4	Aroclor 1268	E608	ug/kg	21.6								
11104-28-2	Aroclor 1221	E608	ug/kg	21.6								
11141-16-5	Aroclor 1232	E608	ug/kg	21.6								
12672-29-6	Aroclor 1248	E608	ug/kg	21.6								
12674-11-2	Aroclor 1016	E608	ug/kg	21.6								
37324-23-5	Aroclor 1262	E608	ug/kg	21.6								
53469-21-9	Aroclor 1242	E608	ug/kg	21.6								
100-41-4	Ethylbenzene	E624	ug/kg	305								
100-42-5	Styrene	E624	ug/kg	7070								
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL								
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL								
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460								
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7								
107-06-2	1,2-Dichloroethane	E624	ug/kg	432								
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000								
108-87-2	Methylcyclohexane	E624	ug/kg	NL								
108-88-3	Toluene	E624	ug/kg	1090								
108-90-7	Chlorobenzene	E624	ug/kg	162								
110-82-7	Cyclohexane	E624	ug/kg	117000								
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473								

				sys_loc_code:	A40		A41		A42		A43	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A40 0-12		A41 0-12		A42 0-12		A43 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/14/2009		07/22/2009		07/17/2009		07/17/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
123-91-1	1,4-Dioxane	E624	ug/kg	44100								
124-48-1	Dibromochloromethane	E624	ug/kg	680								
127-18-4	Tetrachloroethene	E624	ug/kg	190								
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200								
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300								
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300								
179601-23-1	m,p-Xylene	E624	ug/kg	NL								
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842								
56-23-5	Carbon tetrachloride	E624	ug/kg	248								
591-78-6	2-Hexanone	E624	ug/kg	20900								
67-64-1	Acetone	E624	ug/kg	6130000								
67-66-3	Chloroform	E624	ug/kg	295								
71-43-2	Benzene	E624	ug/kg	137								
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856								
74-83-9	Bromomethane	E624	ug/kg	732								
74-87-3	Chloromethane	E624	ug/kg	11900								
74-97-5	Bromochloromethane	E624	ug/kg	NL								
75-00-3	Chloroethane	E624	ug/kg	1450000								
75-01-4	Vinyl Chloride	E624	ug/kg	59.7								
75-09-2	Methylene chloride	E624	ug/kg	10700								
75-15-0	Carbon Disulfide	E624	ug/kg	0.851								
75-25-2	Bromoform	E624	ug/kg	1310								
75-27-4	Bromodichloromethane	E624	ug/kg	273								
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310								
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780								
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700								
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400								
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000								
78-87-5	1,2-Dichloropropane	E624	ug/kg	895								
78-93-3	2-Butanone	E624	ug/kg	2780000								
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570								
79-01-6	Trichloroethene	E624	ug/kg	1600								
79-20-9	Methyl Acetate	E624	ug/kg	7820000								

				sys_loc_code:	A40		A41		A42		A43	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A40 0-12		A41 0-12		A42 0-12		A43 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/14/2009		07/22/2009		07/17/2009		07/17/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202								
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858								
95-47-6	o-Xylene	E624	ug/kg	NL								
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989								
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35								
98-82-8	Isopropylbenzene	E624	ug/kg	86								
100-01-6	4-Nitroaniline	E625	ug/kg	24300								
100-02-7	4-Nitrophenol	E625	ug/kg	NL								
100-52-7	Benzaldehyde	E625	ug/kg	782000								
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230								
105-60-2	Caprolactam	E625	ug/kg	3060000								
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29								
106-44-5	4-Methylphenol	E625	ug/kg	670								
106-47-8	4-Chloroaniline	E625	ug/kg	2430								
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570								
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111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214								
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300								
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182								
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL								
118-74-1	Hexachlorobenzene	E625	ug/kg	20								
120-12-7	Anthracene	E625	ug/kg	46.9								
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117								
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6								
129-00-0	Pyrene	E625	ug/kg	153								
131-11-3	Dimethylphthalate	E625	ug/kg	NL								
132-64-9	Dibenzofuran	E625	ug/kg	7300								
1912-24-9	Atrazine	E625	ug/kg	6.62								
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170								
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17								
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148								
206-44-0	Fluoranthene	E625	ug/kg	113								
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240								

				sys_loc_code:	A40		A41		A42		A43	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A40 0-12		A41 0-12		A42 0-12		A43 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/14/2009		07/22/2009		07/17/2009		07/17/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
208-96-8	Acenaphthylene	E625	ug/kg	5.87								
218-01-9	Chrysene	E625	ug/kg	108								
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8								
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200								
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611								
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22								
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8								
58-90-2	Chlorophenols	E625	ug/kg	284								
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000								
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120								
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4								
67-72-1	Hexachloroethane	E625	ug/kg	804								
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL								
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139								
78-59-1	Isophorone	E625	ug/kg	511000								
83-32-9	Acenaphthene	E625	ug/kg	6.71								
84-66-2	Diethylphthalate	E625	ug/kg	218								
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160								
85-01-8	Phenanthrene	E625	ug/kg	86.7								
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800								
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100								
86-73-7	Fluorene	E625	ug/kg	19								
86-74-8	Carbazole	E625	ug/kg	NL								
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110								
87-86-5	Pentachlorophenol	E625	ug/kg	2970								
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650								
88-74-4	2-Nitroaniline	E625	ug/kg	60600								
88-75-5	2-Nitrophenol	E625	ug/kg	NL								
91-20-3	Naphthalene	E625	ug/kg	34.6								
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2								
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000								
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080								
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220								

				sys_loc_code:	A40		A41		A42		A43	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A40 0-12		A41 0-12		A42 0-12		A43 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/14/2009		07/22/2009		07/17/2009		07/17/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
95-48-7	2-Methylphenol	E625	ug/kg	306000								
95-57-8	2-Chlorophenol	E625	ug/kg	344								
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830								
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819								
98-86-2	Acetophenone	E625	ug/kg	782000								
98-95-3	Nitrobenzene	E625	ug/kg	4790								
99-09-2	3-Nitroaniline	E625	ug/kg	NL								

Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 1 Sediment Samples < 12 inches

				sys_loc_code:	A44		A45		A46		A47	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A44 0-12		A45 0-12		A46 0-12		A47 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/17/2009		07/17/2009		07/17/2009		07/17/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	C200.7	mg/kg	7740								
7439-89-6	Iron	C200.7	mg/kg	2000								
7439-92-1	Lead	C200.7	mg/kg	30.2								
7439-95-4	Magnesium	C200.7	mg/kg	NL								
7439-96-5	Manganese	C200.7	mg/kg	183								
7440-02-0	Nickel	C200.7	mg/kg	15.9								
7440-09-7	Potassium	C200.7	mg/kg	NL								
7440-22-4	Silver	C200.7	mg/kg	0.73								
7440-23-5	Sodium	C200.7	mg/kg	NL								
7440-28-0	Thallium	C200.7	mg/kg	100000								
7440-31-5	Tin	C200.7	mg/kg	NL								
7440-36-0	Antimony	C200.7	mg/kg	2								
7440-38-2	Arsenic	C200.7	mg/kg	0.389								
7440-39-3	Barium	C200.7	mg/kg	130.1								
7440-41-7	Beryllium	C200.7	mg/kg	15.6								
7440-43-9	Cadmium	C200.7	mg/kg	0.68								
7440-47-3	Chromium	C200.7	mg/kg	52.3								
7440-48-4	Cobalt	C200.7	mg/kg	2.34								
7440-50-8	Copper	C200.7	mg/kg	18.7								
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548								
7440-66-6	Zinc	C200.7	mg/kg	124								
7440-70-2	Calcium	C200.7	mg/kg	NL								
7782-49-2	Selenium	C200.7	mg/kg	2								
7429-90-5	Aluminum	E200.7	mg/kg	7740	1250		2560		1480		1370	
7439-89-6	Iron	E200.7	mg/kg	2000	19000		48000		15000		12500	
7439-92-1	Lead	E200.7	mg/kg	30.2								
7439-95-4	Magnesium	E200.7	mg/kg	NL	487	J	463		344	J	588	
7439-96-5	Manganese	E200.7	mg/kg	183								
7440-02-0	Nickel	E200.7	mg/kg	15.9								
7440-09-7	Potassium	E200.7	mg/kg	NL	222	J	255	J	146	J	460	J
7440-22-4	Silver	E200.7	mg/kg	0.73								
7440-23-5	Sodium	E200.7	mg/kg	NL	1510	J	1310	J	1420	J	2000	
7440-31-5	Tin	E200.7	mg/kg	NL								

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Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 1 Sediment Samples < 12 inches

				sys_loc_code:	A44		A45		A46		A47	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A44 0-12		A45 0-12		A46 0-12		A47 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/17/2009		07/17/2009		07/17/2009		07/17/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7440-36-0	Antimony	E200.7	mg/kg	2								
7440-38-2	Arsenic	E200.7	mg/kg	0.389								
7440-47-3	Chromium	E200.7	mg/kg	52.3								
7440-50-8	Copper	E200.7	mg/kg	18.7								
7440-66-6	Zinc	E200.7	mg/kg	124								
7440-70-2	Calcium	E200.7	mg/kg	NL	463	J	344	J	277	J	1220	
7439-92-1	Lead	E200.8	mg/kg	30.2	27.6	J	11.3	J	8.2	J	15.5	J
7439-96-5	Manganese	E200.8	mg/kg	183	24.2	J	38	J	7.3	J	15.9	J
7440-02-0	Nickel	E200.8	mg/kg	15.9	4.8		3.1		0.76		7.2	
7440-22-4	Silver	E200.8	mg/kg	0.73	0.28	UJ	0.26	UJ	0.3	UJ	0.29	UJ
7440-28-0	Thallium	E200.8	mg/kg	100000	0.56	U	0.52	U	0.61	U	0.58	U
7440-36-0	Antimony	E200.8	mg/kg	2	1.1	U	1	U	1.2	U	1.1	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389	5.7		9.9		2.3		4.9	
7440-39-3	Barium	E200.8	mg/kg	130.1	5.9		2.4	J	2.6	J	6.5	
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.28	U	0.65		0.3	U	0.29	U
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.28	U	0.26	U	0.3	U	0.29	U
7440-47-3	Chromium	E200.8	mg/kg	52.3	15.1	J	26.4	J	5.3	J	7.3	J
7440-48-4	Cobalt	E200.8	mg/kg	2.34	1.9	J	2.8	J	0.61	UJ	4.8	J
7440-50-8	Copper	E200.8	mg/kg	18.7	12.3	J	9.8	J	4.1	J	9.4	J
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	20.1	J	85.8	J	15.9	J	13.5	J
7440-66-6	Zinc	E200.8	mg/kg	124	43		32.2		9.9		47.9	
7782-49-2	Selenium	E200.8	mg/kg	2	0.49	J	0.25	J	0.095	J	0.27	J
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.071		0.034	U	0.026	J	0.061	
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6								
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357								
309-00-2	Aldrin	CPEST	ug/kg	2								
319-84-6	Alpha-Bhc	CPEST	ug/kg	3								
319-85-7	Beta-Bhc	CPEST	ug/kg	3								
319-86-8	Delta-Bhc	CPEST	ug/kg	3								
33213-65-9	Endosulfan II	CPEST	ug/kg	14								
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19								
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7								
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7								

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				sys_loc_code:	A44		A45		A46		A47	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A44 0-12		A45 0-12		A46 0-12		A47 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/17/2009		07/17/2009		07/17/2009		07/17/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL								
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32								
60-57-1	Dieldrin	CPEST	ug/kg	0.72								
72-20-8	Endrin	CPEST	ug/kg	2.67								
72-43-5	Methoxychlor	CPEST	ug/kg	29.6								
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22								
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07								
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL								
76-44-8	Heptachlor	CPEST	ug/kg	68								
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1								
959-98-8	Endosulfan I	CPEST	ug/kg	2.9								
11096-82-5	Aroclor 1260	E608	ug/kg	21.6								
11097-69-1	Aroclor 1254	E608	ug/kg	23								
11100-14-4	Aroclor 1268	E608	ug/kg	21.6								
11104-28-2	Aroclor 1221	E608	ug/kg	21.6								
11141-16-5	Aroclor 1232	E608	ug/kg	21.6								
12672-29-6	Aroclor 1248	E608	ug/kg	21.6								
12674-11-2	Aroclor 1016	E608	ug/kg	21.6								
37324-23-5	Aroclor 1262	E608	ug/kg	21.6								
53469-21-9	Aroclor 1242	E608	ug/kg	21.6								
100-41-4	Ethylbenzene	E624	ug/kg	305								
100-42-5	Styrene	E624	ug/kg	7070								
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL								
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL								
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460								
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7								
107-06-2	1,2-Dichloroethane	E624	ug/kg	432								
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000								
108-87-2	Methylcyclohexane	E624	ug/kg	NL								
108-88-3	Toluene	E624	ug/kg	1090								
108-90-7	Chlorobenzene	E624	ug/kg	162								
110-82-7	Cyclohexane	E624	ug/kg	117000								
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473								

				sys_loc_code:	A44		A45		A46		A47	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A44 0-12		A45 0-12		A46 0-12		A47 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/17/2009		07/17/2009		07/17/2009		07/17/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
123-91-1	1,4-Dioxane	E624	ug/kg	44100								
124-48-1	Dibromochloromethane	E624	ug/kg	680								
127-18-4	Tetrachloroethene	E624	ug/kg	190								
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200								
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300								
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300								
179601-23-1	m,p-Xylene	E624	ug/kg	NL								
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842								
56-23-5	Carbon tetrachloride	E624	ug/kg	248								
591-78-6	2-Hexanone	E624	ug/kg	20900								
67-64-1	Acetone	E624	ug/kg	6130000								
67-66-3	Chloroform	E624	ug/kg	295								
71-43-2	Benzene	E624	ug/kg	137								
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856								
74-83-9	Bromomethane	E624	ug/kg	732								
74-87-3	Chloromethane	E624	ug/kg	11900								
74-97-5	Bromochloromethane	E624	ug/kg	NL								
75-00-3	Chloroethane	E624	ug/kg	1450000								
75-01-4	Vinyl Chloride	E624	ug/kg	59.7								
75-09-2	Methylene chloride	E624	ug/kg	10700								
75-15-0	Carbon Disulfide	E624	ug/kg	0.851								
75-25-2	Bromoform	E624	ug/kg	1310								
75-27-4	Bromodichloromethane	E624	ug/kg	273								
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310								
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780								
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700								
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400								
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000								
78-87-5	1,2-Dichloropropane	E624	ug/kg	895								
78-93-3	2-Butanone	E624	ug/kg	2780000								
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570								
79-01-6	Trichloroethene	E624	ug/kg	1600								
79-20-9	Methyl Acetate	E624	ug/kg	7820000								

				sys_loc_code:	A44		A45		A46		A47	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A44 0-12		A45 0-12		A46 0-12		A47 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/17/2009		07/17/2009		07/17/2009		07/17/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202								
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858								
95-47-6	o-Xylene	E624	ug/kg	NL								
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989								
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35								
98-82-8	Isopropylbenzene	E624	ug/kg	86								
100-01-6	4-Nitroaniline	E625	ug/kg	24300								
100-02-7	4-Nitrophenol	E625	ug/kg	NL								
100-52-7	Benzaldehyde	E625	ug/kg	782000								
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230								
105-60-2	Caprolactam	E625	ug/kg	3060000								
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29								
106-44-5	4-Methylphenol	E625	ug/kg	670								
106-47-8	4-Chloroaniline	E625	ug/kg	2430								
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570								
108-95-2	Phenol	E625	ug/kg	420								
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214								
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300								
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182								
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL								
118-74-1	Hexachlorobenzene	E625	ug/kg	20								
120-12-7	Anthracene	E625	ug/kg	46.9								
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117								
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6								
129-00-0	Pyrene	E625	ug/kg	153								
131-11-3	Dimethylphthalate	E625	ug/kg	NL								
132-64-9	Dibenzofuran	E625	ug/kg	7300								
1912-24-9	Atrazine	E625	ug/kg	6.62								
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170								
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17								
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148								
206-44-0	Fluoranthene	E625	ug/kg	113								
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240								

				sys_loc_code:	A44		A45		A46		A47	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A44 0-12		A45 0-12		A46 0-12		A47 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/17/2009		07/17/2009		07/17/2009		07/17/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
208-96-8	Acenaphthylene	E625	ug/kg	5.87								
218-01-9	Chrysene	E625	ug/kg	108								
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8								
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200								
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611								
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22								
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8								
58-90-2	Chlorophenols	E625	ug/kg	284								
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000								
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120								
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4								
67-72-1	Hexachloroethane	E625	ug/kg	804								
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL								
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139								
78-59-1	Isophorone	E625	ug/kg	511000								
83-32-9	Acenaphthene	E625	ug/kg	6.71								
84-66-2	Diethylphthalate	E625	ug/kg	218								
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160								
85-01-8	Phenanthrene	E625	ug/kg	86.7								
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800								
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100								
86-73-7	Fluorene	E625	ug/kg	19								
86-74-8	Carbazole	E625	ug/kg	NL								
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110								
87-86-5	Pentachlorophenol	E625	ug/kg	2970								
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650								
88-74-4	2-Nitroaniline	E625	ug/kg	60600								
88-75-5	2-Nitrophenol	E625	ug/kg	NL								
91-20-3	Naphthalene	E625	ug/kg	34.6								
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2								
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000								
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080								
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220								

				sys_loc_code:	A44		A45		A46		A47	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A44 0-12		A45 0-12		A46 0-12		A47 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/17/2009		07/17/2009		07/17/2009		07/17/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
95-48-7	2-Methylphenol	E625	ug/kg	306000								
95-57-8	2-Chlorophenol	E625	ug/kg	344								
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830								
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819								
98-86-2	Acetophenone	E625	ug/kg	782000								
98-95-3	Nitrobenzene	E625	ug/kg	4790								
99-09-2	3-Nitroaniline	E625	ug/kg	NL								

				sys_loc_code:	A48		A49		A5		A50	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A48 0-12		A49 0-12		A5 0-12		A50 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/16/2009		07/16/2009		07/01/2009		07/16/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	C200.7	mg/kg	7740								
7439-89-6	Iron	C200.7	mg/kg	2000								
7439-92-1	Lead	C200.7	mg/kg	30.2								
7439-95-4	Magnesium	C200.7	mg/kg	NL								
7439-96-5	Manganese	C200.7	mg/kg	183								
7440-02-0	Nickel	C200.7	mg/kg	15.9								
7440-09-7	Potassium	C200.7	mg/kg	NL								
7440-22-4	Silver	C200.7	mg/kg	0.73								
7440-23-5	Sodium	C200.7	mg/kg	NL								
7440-28-0	Thallium	C200.7	mg/kg	100000								
7440-31-5	Tin	C200.7	mg/kg	NL								
7440-36-0	Antimony	C200.7	mg/kg	2								
7440-38-2	Arsenic	C200.7	mg/kg	0.389								
7440-39-3	Barium	C200.7	mg/kg	130.1								
7440-41-7	Beryllium	C200.7	mg/kg	15.6								
7440-43-9	Cadmium	C200.7	mg/kg	0.68								
7440-47-3	Chromium	C200.7	mg/kg	52.3								
7440-48-4	Cobalt	C200.7	mg/kg	2.34								
7440-50-8	Copper	C200.7	mg/kg	18.7								
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548								
7440-66-6	Zinc	C200.7	mg/kg	124								
7440-70-2	Calcium	C200.7	mg/kg	NL								
7782-49-2	Selenium	C200.7	mg/kg	2								
7429-90-5	Aluminum	E200.7	mg/kg	7740	2740		1820	J	3220	J	2390	
7439-89-6	Iron	E200.7	mg/kg	2000	17400		13400	J	35100	J	32600	
7439-92-1	Lead	E200.7	mg/kg	30.2					5440	R		
7439-95-4	Magnesium	E200.7	mg/kg	NL	758		564	J	1010		669	
7439-96-5	Manganese	E200.7	mg/kg	183					63.3	J		
7440-02-0	Nickel	E200.7	mg/kg	15.9								
7440-09-7	Potassium	E200.7	mg/kg	NL	633		540	J	323	J	602	U
7440-22-4	Silver	E200.7	mg/kg	0.73								
7440-23-5	Sodium	E200.7	mg/kg	NL	2420		2010	J	1930		2040	
7440-31-5	Tin	E200.7	mg/kg	NL								

Raritan Bay Slag Superfund Site
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Area 1 Sediment Samples < 12 inches

				sys_loc_code:	A48		A49		A5		A50	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A48 0-12		A49 0-12		A5 0-12		A50 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/16/2009		07/16/2009		07/01/2009		07/16/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7440-36-0	Antimony	E200.7	mg/kg	2								
7440-38-2	Arsenic	E200.7	mg/kg	0.389					39.8	J		
7440-47-3	Chromium	E200.7	mg/kg	52.3								
7440-50-8	Copper	E200.7	mg/kg	18.7					162	J		
7440-66-6	Zinc	E200.7	mg/kg	124					135	J		
7440-70-2	Calcium	E200.7	mg/kg	NL	548		392	J	1000		965	
7439-92-1	Lead	E200.8	mg/kg	30.2	14.5	J	11.4	J			36.6	J
7439-96-5	Manganese	E200.8	mg/kg	183	11.8	J	7.1	J			43	J
7440-02-0	Nickel	E200.8	mg/kg	15.9	10.5	J	10.4	J	6.5	J	7	J
7440-22-4	Silver	E200.8	mg/kg	0.73	0.32	UJ	0.32	UJ	0.35	J	0.3	UJ
7440-28-0	Thallium	E200.8	mg/kg	100000	0.65	U	0.63	U	0.65	U	0.61	U
7440-36-0	Antimony	E200.8	mg/kg	2	1.3	U	1.3	U	68.9	J	1.7	
7440-38-2	Arsenic	E200.8	mg/kg	0.389	9.9		7				14.5	
7440-39-3	Barium	E200.8	mg/kg	130.1	13.2	J	5.6	J	6.5	UJ	3.8	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.77		0.85		0.32	U	0.42	
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.15	J	0.12	J	0.32	U	0.36	
7440-47-3	Chromium	E200.8	mg/kg	52.3	19.9	J	10.5	J	11.8		18.9	J
7440-48-4	Cobalt	E200.8	mg/kg	2.34	9.2	J	8.3	J	1.9	J	3.1	J
7440-50-8	Copper	E200.8	mg/kg	18.7	12.1	J	10.1				10.6	
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	28.8	J	23	J	22.7		49.4	J
7440-66-6	Zinc	E200.8	mg/kg	124	36.2	J	38.7	J			55.8	
7782-49-2	Selenium	E200.8	mg/kg	2	0.65	J	0.63	UJ	0.65	U	0.48	J
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.039	U	0.04	U	0.065		0.062	
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6								
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357								
309-00-2	Aldrin	CPEST	ug/kg	2								
319-84-6	Alpha-Bhc	CPEST	ug/kg	3								
319-85-7	Beta-Bhc	CPEST	ug/kg	3								
319-86-8	Delta-Bhc	CPEST	ug/kg	3								
33213-65-9	Endosulfan II	CPEST	ug/kg	14								
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19								
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7								
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7								

				sys_loc_code:	A48		A49		A5		A50	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A48 0-12		A49 0-12		A5 0-12		A50 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/16/2009		07/16/2009		07/01/2009		07/16/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL								
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32								
60-57-1	Dieldrin	CPEST	ug/kg	0.72								
72-20-8	Endrin	CPEST	ug/kg	2.67								
72-43-5	Methoxychlor	CPEST	ug/kg	29.6								
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22								
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07								
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL								
76-44-8	Heptachlor	CPEST	ug/kg	68								
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1								
959-98-8	Endosulfan I	CPEST	ug/kg	2.9								
11096-82-5	Aroclor 1260	E608	ug/kg	21.6								
11097-69-1	Aroclor 1254	E608	ug/kg	23								
11100-14-4	Aroclor 1268	E608	ug/kg	21.6								
11104-28-2	Aroclor 1221	E608	ug/kg	21.6								
11141-16-5	Aroclor 1232	E608	ug/kg	21.6								
12672-29-6	Aroclor 1248	E608	ug/kg	21.6								
12674-11-2	Aroclor 1016	E608	ug/kg	21.6								
37324-23-5	Aroclor 1262	E608	ug/kg	21.6								
53469-21-9	Aroclor 1242	E608	ug/kg	21.6								
100-41-4	Ethylbenzene	E624	ug/kg	305								
100-42-5	Styrene	E624	ug/kg	7070								
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL								
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL								
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460								
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7								
107-06-2	1,2-Dichloroethane	E624	ug/kg	432								
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000								
108-87-2	Methylcyclohexane	E624	ug/kg	NL								
108-88-3	Toluene	E624	ug/kg	1090								
108-90-7	Chlorobenzene	E624	ug/kg	162								
110-82-7	Cyclohexane	E624	ug/kg	117000								
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473								

				sys_loc_code:	A48		A49		A5		A50	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A48 0-12		A49 0-12		A5 0-12		A50 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/16/2009		07/16/2009		07/01/2009		07/16/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
123-91-1	1,4-Dioxane	E624	ug/kg	44100								
124-48-1	Dibromochloromethane	E624	ug/kg	680								
127-18-4	Tetrachloroethene	E624	ug/kg	190								
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200								
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300								
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300								
179601-23-1	m,p-Xylene	E624	ug/kg	NL								
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842								
56-23-5	Carbon tetrachloride	E624	ug/kg	248								
591-78-6	2-Hexanone	E624	ug/kg	20900								
67-64-1	Acetone	E624	ug/kg	6130000								
67-66-3	Chloroform	E624	ug/kg	295								
71-43-2	Benzene	E624	ug/kg	137								
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856								
74-83-9	Bromomethane	E624	ug/kg	732								
74-87-3	Chloromethane	E624	ug/kg	11900								
74-97-5	Bromochloromethane	E624	ug/kg	NL								
75-00-3	Chloroethane	E624	ug/kg	1450000								
75-01-4	Vinyl Chloride	E624	ug/kg	59.7								
75-09-2	Methylene chloride	E624	ug/kg	10700								
75-15-0	Carbon Disulfide	E624	ug/kg	0.851								
75-25-2	Bromoform	E624	ug/kg	1310								
75-27-4	Bromodichloromethane	E624	ug/kg	273								
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310								
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780								
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700								
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400								
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000								
78-87-5	1,2-Dichloropropane	E624	ug/kg	895								
78-93-3	2-Butanone	E624	ug/kg	2780000								
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570								
79-01-6	Trichloroethene	E624	ug/kg	1600								
79-20-9	Methyl Acetate	E624	ug/kg	7820000								

				sys_loc_code:	A48		A49		A5		A50	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A48 0-12		A49 0-12		A5 0-12		A50 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/16/2009		07/16/2009		07/01/2009		07/16/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202								
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858								
95-47-6	o-Xylene	E624	ug/kg	NL								
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989								
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35								
98-82-8	Isopropylbenzene	E624	ug/kg	86								
100-01-6	4-Nitroaniline	E625	ug/kg	24300								
100-02-7	4-Nitrophenol	E625	ug/kg	NL								
100-52-7	Benzaldehyde	E625	ug/kg	782000								
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230								
105-60-2	Caprolactam	E625	ug/kg	3060000								
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29								
106-44-5	4-Methylphenol	E625	ug/kg	670								
106-47-8	4-Chloroaniline	E625	ug/kg	2430								
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570								
108-95-2	Phenol	E625	ug/kg	420								
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214								
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300								
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182								
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL								
118-74-1	Hexachlorobenzene	E625	ug/kg	20								
120-12-7	Anthracene	E625	ug/kg	46.9								
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117								
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6								
129-00-0	Pyrene	E625	ug/kg	153								
131-11-3	Dimethylphthalate	E625	ug/kg	NL								
132-64-9	Dibenzofuran	E625	ug/kg	7300								
1912-24-9	Atrazine	E625	ug/kg	6.62								
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170								
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17								
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148								
206-44-0	Fluoranthene	E625	ug/kg	113								
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240								

				sys_loc_code:	A48		A49		A5		A50	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A48 0-12		A49 0-12		A5 0-12		A50 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/16/2009		07/16/2009		07/01/2009		07/16/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
208-96-8	Acenaphthylene	E625	ug/kg	5.87								
218-01-9	Chrysene	E625	ug/kg	108								
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8								
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200								
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611								
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22								
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8								
58-90-2	Chlorophenols	E625	ug/kg	284								
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000								
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120								
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4								
67-72-1	Hexachloroethane	E625	ug/kg	804								
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL								
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139								
78-59-1	Isophorone	E625	ug/kg	511000								
83-32-9	Acenaphthene	E625	ug/kg	6.71								
84-66-2	Diethylphthalate	E625	ug/kg	218								
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160								
85-01-8	Phenanthrene	E625	ug/kg	86.7								
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800								
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100								
86-73-7	Fluorene	E625	ug/kg	19								
86-74-8	Carbazole	E625	ug/kg	NL								
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110								
87-86-5	Pentachlorophenol	E625	ug/kg	2970								
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650								
88-74-4	2-Nitroaniline	E625	ug/kg	60600								
88-75-5	2-Nitrophenol	E625	ug/kg	NL								
91-20-3	Naphthalene	E625	ug/kg	34.6								
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2								
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000								
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080								
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220								

				sys_loc_code:	A48		A49		A5		A50	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A48 0-12		A49 0-12		A5 0-12		A50 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/16/2009		07/16/2009		07/01/2009		07/16/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
95-48-7	2-Methylphenol	E625	ug/kg	306000								
95-57-8	2-Chlorophenol	E625	ug/kg	344								
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830								
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819								
98-86-2	Acetophenone	E625	ug/kg	782000								
98-95-3	Nitrobenzene	E625	ug/kg	4790								
99-09-2	3-Nitroaniline	E625	ug/kg	NL								

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Area 1 Sediment Samples < 12 inches

				sys_loc_code:	A51		A52		A53		A54	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A51 0-12		A52 0-12		A53 0-12		A54 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/16/2009		07/16/2009		07/16/2009		07/16/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	C200.7	mg/kg	7740								
7439-89-6	Iron	C200.7	mg/kg	2000								
7439-92-1	Lead	C200.7	mg/kg	30.2								
7439-95-4	Magnesium	C200.7	mg/kg	NL								
7439-96-5	Manganese	C200.7	mg/kg	183								
7440-02-0	Nickel	C200.7	mg/kg	15.9								
7440-09-7	Potassium	C200.7	mg/kg	NL								
7440-22-4	Silver	C200.7	mg/kg	0.73								
7440-23-5	Sodium	C200.7	mg/kg	NL								
7440-28-0	Thallium	C200.7	mg/kg	100000								
7440-31-5	Tin	C200.7	mg/kg	NL								
7440-36-0	Antimony	C200.7	mg/kg	2								
7440-38-2	Arsenic	C200.7	mg/kg	0.389								
7440-39-3	Barium	C200.7	mg/kg	130.1								
7440-41-7	Beryllium	C200.7	mg/kg	15.6								
7440-43-9	Cadmium	C200.7	mg/kg	0.68								
7440-47-3	Chromium	C200.7	mg/kg	52.3								
7440-48-4	Cobalt	C200.7	mg/kg	2.34								
7440-50-8	Copper	C200.7	mg/kg	18.7								
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548								
7440-66-6	Zinc	C200.7	mg/kg	124								
7440-70-2	Calcium	C200.7	mg/kg	NL								
7782-49-2	Selenium	C200.7	mg/kg	2								
7429-90-5	Aluminum	E200.7	mg/kg	7740	4000	J	7900	J	8500		8710	J
7439-89-6	Iron	E200.7	mg/kg	2000	66300	J	27200	J	36500		24700	J
7439-92-1	Lead	E200.7	mg/kg	30.2								
7439-95-4	Magnesium	E200.7	mg/kg	NL	612	J	3760	J	4050		4560	J
7439-96-5	Manganese	E200.7	mg/kg	183								
7440-02-0	Nickel	E200.7	mg/kg	15.9								
7440-09-7	Potassium	E200.7	mg/kg	NL	548	UJ	1860	J	1910		2120	J
7440-22-4	Silver	E200.7	mg/kg	0.73								
7440-23-5	Sodium	E200.7	mg/kg	NL	1620	J	4760	J	5040		7410	J
7440-31-5	Tin	E200.7	mg/kg	NL								

Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 1 Sediment Samples < 12 inches

				sys_loc_code:	A51		A52		A53		A54	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A51 0-12		A52 0-12		A53 0-12		A54 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/16/2009		07/16/2009		07/16/2009		07/16/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7440-36-0	Antimony	E200.7	mg/kg	2								
7440-38-2	Arsenic	E200.7	mg/kg	0.389								
7440-47-3	Chromium	E200.7	mg/kg	52.3								
7440-50-8	Copper	E200.7	mg/kg	18.7								
7440-66-6	Zinc	E200.7	mg/kg	124								
7440-70-2	Calcium	E200.7	mg/kg	NL	1130	J	5720	J	1820		1900	J
7439-92-1	Lead	E200.8	mg/kg	30.2	31.5	J	24.6	J	25.2	J	20.6	J
7439-96-5	Manganese	E200.8	mg/kg	183	41.2	J	190	J	207		217	J
7440-02-0	Nickel	E200.8	mg/kg	15.9	11.6	J	15	J	15		14.3	J
7440-22-4	Silver	E200.8	mg/kg	0.73	0.29	UJ	0.36	UJ	0.44	UJ	0.5	UJ
7440-28-0	Thallium	E200.8	mg/kg	100000	0.58	U	0.73	U	0.89	U	1	UJ
7440-36-0	Antimony	E200.8	mg/kg	2	1.3		1.4	U	1.87	U	2	UJ
7440-38-2	Arsenic	E200.8	mg/kg	0.389	11.6		20.5		12.9		11.3	J
7440-39-3	Barium	E200.8	mg/kg	130.1	2.8	J	13.2		15.2	J	17.2	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.76		0.62		0.66		0.79	J
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.2	J	0.26	J	0.35	J	0.19	J
7440-47-3	Chromium	E200.8	mg/kg	52.3	27.1	J	20.8	J	22.8	J	20.7	J
7440-48-4	Cobalt	E200.8	mg/kg	2.34	3.8	J	5.1	J	5.6		6.5	J
7440-50-8	Copper	E200.8	mg/kg	18.7	10.9		16.6		16.3		12.9	J
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	43.6	J	27.4	J	39.8	J	31.3	J
7440-66-6	Zinc	E200.8	mg/kg	124	44.4	J	73.2	J	72.5	J	54	J
7782-49-2	Selenium	E200.8	mg/kg	2	0.58	UJ	0.91	J	0.34	J	1	UJ
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.06		0.16		0.1		0.051	J
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6								
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357								
309-00-2	Aldrin	CPEST	ug/kg	2								
319-84-6	Alpha-Bhc	CPEST	ug/kg	3								
319-85-7	Beta-Bhc	CPEST	ug/kg	3								
319-86-8	Delta-Bhc	CPEST	ug/kg	3								
33213-65-9	Endosulfan II	CPEST	ug/kg	14								
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19								
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7								
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7								

				sys_loc_code:	A51		A52		A53		A54	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A51 0-12		A52 0-12		A53 0-12		A54 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/16/2009		07/16/2009		07/16/2009		07/16/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL								
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32								
60-57-1	Dieldrin	CPEST	ug/kg	0.72								
72-20-8	Endrin	CPEST	ug/kg	2.67								
72-43-5	Methoxychlor	CPEST	ug/kg	29.6								
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22								
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07								
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL								
76-44-8	Heptachlor	CPEST	ug/kg	68								
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1								
959-98-8	Endosulfan I	CPEST	ug/kg	2.9								
11096-82-5	Aroclor 1260	E608	ug/kg	21.6								
11097-69-1	Aroclor 1254	E608	ug/kg	23								
11100-14-4	Aroclor 1268	E608	ug/kg	21.6								
11104-28-2	Aroclor 1221	E608	ug/kg	21.6								
11141-16-5	Aroclor 1232	E608	ug/kg	21.6								
12672-29-6	Aroclor 1248	E608	ug/kg	21.6								
12674-11-2	Aroclor 1016	E608	ug/kg	21.6								
37324-23-5	Aroclor 1262	E608	ug/kg	21.6								
53469-21-9	Aroclor 1242	E608	ug/kg	21.6								
100-41-4	Ethylbenzene	E624	ug/kg	305								
100-42-5	Styrene	E624	ug/kg	7070								
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL								
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL								
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460								
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7								
107-06-2	1,2-Dichloroethane	E624	ug/kg	432								
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000								
108-87-2	Methylcyclohexane	E624	ug/kg	NL								
108-88-3	Toluene	E624	ug/kg	1090								
108-90-7	Chlorobenzene	E624	ug/kg	162								
110-82-7	Cyclohexane	E624	ug/kg	117000								
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473								

				sys_loc_code:	A51		A52		A53		A54	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A51 0-12		A52 0-12		A53 0-12		A54 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/16/2009		07/16/2009		07/16/2009		07/16/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
123-91-1	1,4-Dioxane	E624	ug/kg	44100								
124-48-1	Dibromochloromethane	E624	ug/kg	680								
127-18-4	Tetrachloroethene	E624	ug/kg	190								
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200								
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300								
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300								
179601-23-1	m,p-Xylene	E624	ug/kg	NL								
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842								
56-23-5	Carbon tetrachloride	E624	ug/kg	248								
591-78-6	2-Hexanone	E624	ug/kg	20900								
67-64-1	Acetone	E624	ug/kg	6130000								
67-66-3	Chloroform	E624	ug/kg	295								
71-43-2	Benzene	E624	ug/kg	137								
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856								
74-83-9	Bromomethane	E624	ug/kg	732								
74-87-3	Chloromethane	E624	ug/kg	11900								
74-97-5	Bromochloromethane	E624	ug/kg	NL								
75-00-3	Chloroethane	E624	ug/kg	1450000								
75-01-4	Vinyl Chloride	E624	ug/kg	59.7								
75-09-2	Methylene chloride	E624	ug/kg	10700								
75-15-0	Carbon Disulfide	E624	ug/kg	0.851								
75-25-2	Bromoform	E624	ug/kg	1310								
75-27-4	Bromodichloromethane	E624	ug/kg	273								
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310								
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780								
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700								
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400								
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000								
78-87-5	1,2-Dichloropropane	E624	ug/kg	895								
78-93-3	2-Butanone	E624	ug/kg	2780000								
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570								
79-01-6	Trichloroethene	E624	ug/kg	1600								
79-20-9	Methyl Acetate	E624	ug/kg	7820000								

				sys_loc_code:	A51		A52		A53		A54	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A51 0-12		A52 0-12		A53 0-12		A54 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/16/2009		07/16/2009		07/16/2009		07/16/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202								
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858								
95-47-6	o-Xylene	E624	ug/kg	NL								
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989								
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35								
98-82-8	Isopropylbenzene	E624	ug/kg	86								
100-01-6	4-Nitroaniline	E625	ug/kg	24300								
100-02-7	4-Nitrophenol	E625	ug/kg	NL								
100-52-7	Benzaldehyde	E625	ug/kg	782000								
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230								
105-60-2	Caprolactam	E625	ug/kg	3060000								
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29								
106-44-5	4-Methylphenol	E625	ug/kg	670								
106-47-8	4-Chloroaniline	E625	ug/kg	2430								
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570								
108-95-2	Phenol	E625	ug/kg	420								
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214								
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300								
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182								
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL								
118-74-1	Hexachlorobenzene	E625	ug/kg	20								
120-12-7	Anthracene	E625	ug/kg	46.9								
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117								
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6								
129-00-0	Pyrene	E625	ug/kg	153								
131-11-3	Dimethylphthalate	E625	ug/kg	NL								
132-64-9	Dibenzofuran	E625	ug/kg	7300								
1912-24-9	Atrazine	E625	ug/kg	6.62								
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170								
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17								
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148								
206-44-0	Fluoranthene	E625	ug/kg	113								
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240								

				sys_loc_code:	A51		A52		A53		A54	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A51 0-12		A52 0-12		A53 0-12		A54 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/16/2009		07/16/2009		07/16/2009		07/16/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
208-96-8	Acenaphthylene	E625	ug/kg	5.87								
218-01-9	Chrysene	E625	ug/kg	108								
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8								
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200								
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611								
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22								
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8								
58-90-2	Chlorophenols	E625	ug/kg	284								
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000								
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120								
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4								
67-72-1	Hexachloroethane	E625	ug/kg	804								
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL								
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139								
78-59-1	Isophorone	E625	ug/kg	511000								
83-32-9	Acenaphthene	E625	ug/kg	6.71								
84-66-2	Diethylphthalate	E625	ug/kg	218								
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160								
85-01-8	Phenanthrene	E625	ug/kg	86.7								
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800								
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100								
86-73-7	Fluorene	E625	ug/kg	19								
86-74-8	Carbazole	E625	ug/kg	NL								
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110								
87-86-5	Pentachlorophenol	E625	ug/kg	2970								
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650								
88-74-4	2-Nitroaniline	E625	ug/kg	60600								
88-75-5	2-Nitrophenol	E625	ug/kg	NL								
91-20-3	Naphthalene	E625	ug/kg	34.6								
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2								
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000								
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080								
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220								

				sys_loc_code:	A51		A52		A53		A54	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A51 0-12		A52 0-12		A53 0-12		A54 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/16/2009		07/16/2009		07/16/2009		07/16/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
95-48-7	2-Methylphenol	E625	ug/kg	306000								
95-57-8	2-Chlorophenol	E625	ug/kg	344								
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830								
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819								
98-86-2	Acetophenone	E625	ug/kg	782000								
98-95-3	Nitrobenzene	E625	ug/kg	4790								
99-09-2	3-Nitroaniline	E625	ug/kg	NL								

				sys_loc_code:	A55		A56		A57		A58	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A55 0-12		A56 0-12		A57 0-12		A58 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/16/2009		07/16/2009		07/16/2009		07/16/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	C200.7	mg/kg	7740								
7439-89-6	Iron	C200.7	mg/kg	2000								
7439-92-1	Lead	C200.7	mg/kg	30.2								
7439-95-4	Magnesium	C200.7	mg/kg	NL								
7439-96-5	Manganese	C200.7	mg/kg	183								
7440-02-0	Nickel	C200.7	mg/kg	15.9								
7440-09-7	Potassium	C200.7	mg/kg	NL								
7440-22-4	Silver	C200.7	mg/kg	0.73								
7440-23-5	Sodium	C200.7	mg/kg	NL								
7440-28-0	Thallium	C200.7	mg/kg	100000								
7440-31-5	Tin	C200.7	mg/kg	NL								
7440-36-0	Antimony	C200.7	mg/kg	2								
7440-38-2	Arsenic	C200.7	mg/kg	0.389								
7440-39-3	Barium	C200.7	mg/kg	130.1								
7440-41-7	Beryllium	C200.7	mg/kg	15.6								
7440-43-9	Cadmium	C200.7	mg/kg	0.68								
7440-47-3	Chromium	C200.7	mg/kg	52.3								
7440-48-4	Cobalt	C200.7	mg/kg	2.34								
7440-50-8	Copper	C200.7	mg/kg	18.7								
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548								
7440-66-6	Zinc	C200.7	mg/kg	124								
7440-70-2	Calcium	C200.7	mg/kg	NL								
7782-49-2	Selenium	C200.7	mg/kg	2								
7429-90-5	Aluminum	E200.7	mg/kg	7740	6860	J	6110	J	3520	J	2110	J
7439-89-6	Iron	E200.7	mg/kg	2000	14300	J	50600	J	18500	J	5440	J
7439-92-1	Lead	E200.7	mg/kg	30.2								
7439-95-4	Magnesium	E200.7	mg/kg	NL	4540	J	6960	J	1920	J	352	J
7439-96-5	Manganese	E200.7	mg/kg	183								
7440-02-0	Nickel	E200.7	mg/kg	15.9								
7440-09-7	Potassium	E200.7	mg/kg	NL	1860	J	2128	UJ	870	J	442	UJ
7440-22-4	Silver	E200.7	mg/kg	0.73								
7440-23-5	Sodium	E200.7	mg/kg	NL	11800	J	21600	J	4930	J	748	J
7440-31-5	Tin	E200.7	mg/kg	NL								

Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 1 Sediment Samples < 12 inches

				sys_loc_code:	A55		A56		A57		A58	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A55 0-12		A56 0-12		A57 0-12		A58 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/16/2009		07/16/2009		07/16/2009		07/16/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7440-36-0	Antimony	E200.7	mg/kg	2								
7440-38-2	Arsenic	E200.7	mg/kg	0.389								
7440-47-3	Chromium	E200.7	mg/kg	52.3								
7440-50-8	Copper	E200.7	mg/kg	18.7								
7440-66-6	Zinc	E200.7	mg/kg	124								
7440-70-2	Calcium	E200.7	mg/kg	NL	4330	R	15400	J	6010	J	1750	J
7439-92-1	Lead	E200.8	mg/kg	30.2	25.9	J	16.3	J	61.5	J	18.4	J
7439-96-5	Manganese	E200.8	mg/kg	183	84.1	J	61.1	J	75.9	J	11.7	J
7440-02-0	Nickel	E200.8	mg/kg	15.9	7.7	J	7.2	J	9.1	J	1.8	J
7440-22-4	Silver	E200.8	mg/kg	0.73	0.78	UJ	1.3	UJ	0.49	UJ	0.31	UJ
7440-28-0	Thallium	E200.8	mg/kg	100000	1.6	UJ	2.6	UJ	0.98	UJ	0.62	U
7440-36-0	Antimony	E200.8	mg/kg	2	3.1	UJ	5.2	UJ	2.8	J	1.2	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389	3.8	J	4.3	J	16.1	J	2.9	
7440-39-3	Barium	E200.8	mg/kg	130.1	11.2	J	13.4	J	12.5	J	4.4	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.78	UJ	1.3	UJ	0.49	UJ	0.31	U
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.1	J	0.12	J	0.28	J	0.082	J
7440-47-3	Chromium	E200.8	mg/kg	52.3	12.3	J	12.6	J	22.1	J	8.8	J
7440-48-4	Cobalt	E200.8	mg/kg	2.34	2.3	J	2.6	UJ	2.3	J	0.62	UJ
7440-50-8	Copper	E200.8	mg/kg	18.7	9.6	J	11	J	32.4	J	6.5	
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	19.5	J	22.3	J	28.9	J	15.9	J
7440-66-6	Zinc	E200.8	mg/kg	124	31.7	J	50.6	J	83.5	J	17.6	J
7782-49-2	Selenium	E200.8	mg/kg	2	1.6	UJ	1.3	J	1.2	J	0.62	UJ
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.096	UJ	0.15	UJ	0.17	J	0.032	J
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6								
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357								
309-00-2	Aldrin	CPEST	ug/kg	2								
319-84-6	Alpha-Bhc	CPEST	ug/kg	3								
319-85-7	Beta-Bhc	CPEST	ug/kg	3								
319-86-8	Delta-Bhc	CPEST	ug/kg	3								
33213-65-9	Endosulfan II	CPEST	ug/kg	14								
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19								
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7								
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7								

				sys_loc_code:	A55		A56		A57		A58	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A55 0-12		A56 0-12		A57 0-12		A58 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/16/2009		07/16/2009		07/16/2009		07/16/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL								
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32								
60-57-1	Dieldrin	CPEST	ug/kg	0.72								
72-20-8	Endrin	CPEST	ug/kg	2.67								
72-43-5	Methoxychlor	CPEST	ug/kg	29.6								
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22								
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07								
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL								
76-44-8	Heptachlor	CPEST	ug/kg	68								
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1								
959-98-8	Endosulfan I	CPEST	ug/kg	2.9								
11096-82-5	Aroclor 1260	E608	ug/kg	21.6								
11097-69-1	Aroclor 1254	E608	ug/kg	23								
11100-14-4	Aroclor 1268	E608	ug/kg	21.6								
11104-28-2	Aroclor 1221	E608	ug/kg	21.6								
11141-16-5	Aroclor 1232	E608	ug/kg	21.6								
12672-29-6	Aroclor 1248	E608	ug/kg	21.6								
12674-11-2	Aroclor 1016	E608	ug/kg	21.6								
37324-23-5	Aroclor 1262	E608	ug/kg	21.6								
53469-21-9	Aroclor 1242	E608	ug/kg	21.6								
100-41-4	Ethylbenzene	E624	ug/kg	305								
100-42-5	Styrene	E624	ug/kg	7070								
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL								
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL								
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460								
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7								
107-06-2	1,2-Dichloroethane	E624	ug/kg	432								
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000								
108-87-2	Methylcyclohexane	E624	ug/kg	NL								
108-88-3	Toluene	E624	ug/kg	1090								
108-90-7	Chlorobenzene	E624	ug/kg	162								
110-82-7	Cyclohexane	E624	ug/kg	117000								
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473								

				sys_loc_code:	A55		A56		A57		A58	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A55 0-12		A56 0-12		A57 0-12		A58 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/16/2009		07/16/2009		07/16/2009		07/16/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
123-91-1	1,4-Dioxane	E624	ug/kg	44100								
124-48-1	Dibromochloromethane	E624	ug/kg	680								
127-18-4	Tetrachloroethene	E624	ug/kg	190								
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200								
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300								
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300								
179601-23-1	m,p-Xylene	E624	ug/kg	NL								
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842								
56-23-5	Carbon tetrachloride	E624	ug/kg	248								
591-78-6	2-Hexanone	E624	ug/kg	20900								
67-64-1	Acetone	E624	ug/kg	6130000								
67-66-3	Chloroform	E624	ug/kg	295								
71-43-2	Benzene	E624	ug/kg	137								
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856								
74-83-9	Bromomethane	E624	ug/kg	732								
74-87-3	Chloromethane	E624	ug/kg	11900								
74-97-5	Bromochloromethane	E624	ug/kg	NL								
75-00-3	Chloroethane	E624	ug/kg	1450000								
75-01-4	Vinyl Chloride	E624	ug/kg	59.7								
75-09-2	Methylene chloride	E624	ug/kg	10700								
75-15-0	Carbon Disulfide	E624	ug/kg	0.851								
75-25-2	Bromoform	E624	ug/kg	1310								
75-27-4	Bromodichloromethane	E624	ug/kg	273								
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310								
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780								
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700								
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400								
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000								
78-87-5	1,2-Dichloropropane	E624	ug/kg	895								
78-93-3	2-Butanone	E624	ug/kg	2780000								
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570								
79-01-6	Trichloroethene	E624	ug/kg	1600								
79-20-9	Methyl Acetate	E624	ug/kg	7820000								

				sys_loc_code:	A55		A56		A57		A58	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A55 0-12		A56 0-12		A57 0-12		A58 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/16/2009		07/16/2009		07/16/2009		07/16/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202								
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858								
95-47-6	o-Xylene	E624	ug/kg	NL								
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989								
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35								
98-82-8	Isopropylbenzene	E624	ug/kg	86								
100-01-6	4-Nitroaniline	E625	ug/kg	24300								
100-02-7	4-Nitrophenol	E625	ug/kg	NL								
100-52-7	Benzaldehyde	E625	ug/kg	782000								
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230								
105-60-2	Caprolactam	E625	ug/kg	3060000								
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29								
106-44-5	4-Methylphenol	E625	ug/kg	670								
106-47-8	4-Chloroaniline	E625	ug/kg	2430								
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570								
108-95-2	Phenol	E625	ug/kg	420								
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214								
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300								
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182								
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL								
118-74-1	Hexachlorobenzene	E625	ug/kg	20								
120-12-7	Anthracene	E625	ug/kg	46.9								
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117								
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6								
129-00-0	Pyrene	E625	ug/kg	153								
131-11-3	Dimethylphthalate	E625	ug/kg	NL								
132-64-9	Dibenzofuran	E625	ug/kg	7300								
1912-24-9	Atrazine	E625	ug/kg	6.62								
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170								
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17								
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148								
206-44-0	Fluoranthene	E625	ug/kg	113								
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240								

				sys_loc_code:	A55		A56		A57		A58	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A55 0-12		A56 0-12		A57 0-12		A58 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/16/2009		07/16/2009		07/16/2009		07/16/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
208-96-8	Acenaphthylene	E625	ug/kg	5.87								
218-01-9	Chrysene	E625	ug/kg	108								
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8								
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200								
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611								
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22								
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8								
58-90-2	Chlorophenols	E625	ug/kg	284								
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000								
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120								
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4								
67-72-1	Hexachloroethane	E625	ug/kg	804								
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL								
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139								
78-59-1	Isophorone	E625	ug/kg	511000								
83-32-9	Acenaphthene	E625	ug/kg	6.71								
84-66-2	Diethylphthalate	E625	ug/kg	218								
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160								
85-01-8	Phenanthrene	E625	ug/kg	86.7								
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800								
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100								
86-73-7	Fluorene	E625	ug/kg	19								
86-74-8	Carbazole	E625	ug/kg	NL								
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110								
87-86-5	Pentachlorophenol	E625	ug/kg	2970								
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650								
88-74-4	2-Nitroaniline	E625	ug/kg	60600								
88-75-5	2-Nitrophenol	E625	ug/kg	NL								
91-20-3	Naphthalene	E625	ug/kg	34.6								
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2								
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000								
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080								
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220								

				sys_loc_code:	A55		A56		A57		A58	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A55 0-12		A56 0-12		A57 0-12		A58 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/16/2009		07/16/2009		07/16/2009		07/16/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
95-48-7	2-Methylphenol	E625	ug/kg	306000								
95-57-8	2-Chlorophenol	E625	ug/kg	344								
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830								
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819								
98-86-2	Acetophenone	E625	ug/kg	782000								
98-95-3	Nitrobenzene	E625	ug/kg	4790								
99-09-2	3-Nitroaniline	E625	ug/kg	NL								

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				sys_loc_code:	A59		A6		A60		A61	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A59 0-12		A6 0-12		A60 0-12		A61 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/16/2009		07/01/2009		07/14/2009		07/22/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	C200.7	mg/kg	7740								
7439-89-6	Iron	C200.7	mg/kg	2000								
7439-92-1	Lead	C200.7	mg/kg	30.2								
7439-95-4	Magnesium	C200.7	mg/kg	NL								
7439-96-5	Manganese	C200.7	mg/kg	183								
7440-02-0	Nickel	C200.7	mg/kg	15.9								
7440-09-7	Potassium	C200.7	mg/kg	NL								
7440-22-4	Silver	C200.7	mg/kg	0.73								
7440-23-5	Sodium	C200.7	mg/kg	NL								
7440-28-0	Thallium	C200.7	mg/kg	100000								
7440-31-5	Tin	C200.7	mg/kg	NL								
7440-36-0	Antimony	C200.7	mg/kg	2								
7440-38-2	Arsenic	C200.7	mg/kg	0.389								
7440-39-3	Barium	C200.7	mg/kg	130.1								
7440-41-7	Beryllium	C200.7	mg/kg	15.6								
7440-43-9	Cadmium	C200.7	mg/kg	0.68								
7440-47-3	Chromium	C200.7	mg/kg	52.3								
7440-48-4	Cobalt	C200.7	mg/kg	2.34								
7440-50-8	Copper	C200.7	mg/kg	18.7								
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548								
7440-66-6	Zinc	C200.7	mg/kg	124								
7440-70-2	Calcium	C200.7	mg/kg	NL								
7782-49-2	Selenium	C200.7	mg/kg	2								
7429-90-5	Aluminum	E200.7	mg/kg	7740	858		1540		9200		9040	J
7439-89-6	Iron	E200.7	mg/kg	2000	4840		30000		27800		27600	J
7439-92-1	Lead	E200.7	mg/kg	30.2			615	J				
7439-95-4	Magnesium	E200.7	mg/kg	NL	230	J	460	J	4330		3710	J
7439-96-5	Manganese	E200.7	mg/kg	183			79.5	J				
7440-02-0	Nickel	E200.7	mg/kg	15.9								
7440-09-7	Potassium	E200.7	mg/kg	NL	135	J	91	J	2140		2150	J
7440-22-4	Silver	E200.7	mg/kg	0.73								
7440-23-5	Sodium	E200.7	mg/kg	NL	425	U	526		5040		4850	J
7440-31-5	Tin	E200.7	mg/kg	NL								

Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 1 Sediment Samples < 12 inches

				sys_loc_code:	A59		A6		A60		A61	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A59 0-12		A6 0-12		A60 0-12		A61 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/16/2009		07/01/2009		07/14/2009		07/22/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7440-36-0	Antimony	E200.7	mg/kg	2								
7440-38-2	Arsenic	E200.7	mg/kg	0.389			77.1					
7440-47-3	Chromium	E200.7	mg/kg	52.3								
7440-50-8	Copper	E200.7	mg/kg	18.7			86.8					
7440-66-6	Zinc	E200.7	mg/kg	124			58					
7440-70-2	Calcium	E200.7	mg/kg	NL	243	J	649		1560		3000	
7439-92-1	Lead	E200.8	mg/kg	30.2	86.8	J			18.4	J	20	
7439-96-5	Manganese	E200.8	mg/kg	183	13.1				186	J	190	
7440-02-0	Nickel	E200.8	mg/kg	15.9	4.6		5.1		11	J	11.2	J
7440-22-4	Silver	E200.8	mg/kg	0.73	0.29	UJ	0.26	UJ	0.39	UJ	0.41	U
7440-28-0	Thallium	E200.8	mg/kg	100000	0.58	U	0.52	U	0.77	U	0.82	U
7440-36-0	Antimony	E200.8	mg/kg	2	3.4		15.3		1.5	U	1.6	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389	5.2				8.8		11.7	
7440-39-3	Barium	E200.8	mg/kg	130.1	3.1	J	5.2	UJ	12.9	J	13.7	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.29	U	0.36		0.48		0.6	
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.19	J	0.26	U	0.17	J	0.41	U
7440-47-3	Chromium	E200.8	mg/kg	52.3	8.3	J	19.4		16.1	J	20.9	
7440-48-4	Cobalt	E200.8	mg/kg	2.34	2.8		1.3	J	4.4	J	4.7	
7440-50-8	Copper	E200.8	mg/kg	18.7	12.8				11.3		11	J
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	16.3	J	21.8		24.6	J	28.3	J
7440-66-6	Zinc	E200.8	mg/kg	124	72.3	J			51.8		55.2	J
7782-49-2	Selenium	E200.8	mg/kg	2	0.29	J	0.52	U	0.26	J	0.54	J
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.043		0.032	U	0.046	J	0.076	
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6								
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357								
309-00-2	Aldrin	CPEST	ug/kg	2								
319-84-6	Alpha-Bhc	CPEST	ug/kg	3								
319-85-7	Beta-Bhc	CPEST	ug/kg	3								
319-86-8	Delta-Bhc	CPEST	ug/kg	3								
33213-65-9	Endosulfan II	CPEST	ug/kg	14								
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19								
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7								
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7								

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				sys_loc_code:	A59		A6		A60		A61	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A59 0-12		A6 0-12		A60 0-12		A61 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/16/2009		07/01/2009		07/14/2009		07/22/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL								
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32								
60-57-1	Dieldrin	CPEST	ug/kg	0.72								
72-20-8	Endrin	CPEST	ug/kg	2.67								
72-43-5	Methoxychlor	CPEST	ug/kg	29.6								
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22								
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07								
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL								
76-44-8	Heptachlor	CPEST	ug/kg	68								
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1								
959-98-8	Endosulfan I	CPEST	ug/kg	2.9								
11096-82-5	Aroclor 1260	E608	ug/kg	21.6								
11097-69-1	Aroclor 1254	E608	ug/kg	23								
11100-14-4	Aroclor 1268	E608	ug/kg	21.6								
11104-28-2	Aroclor 1221	E608	ug/kg	21.6								
11141-16-5	Aroclor 1232	E608	ug/kg	21.6								
12672-29-6	Aroclor 1248	E608	ug/kg	21.6								
12674-11-2	Aroclor 1016	E608	ug/kg	21.6								
37324-23-5	Aroclor 1262	E608	ug/kg	21.6								
53469-21-9	Aroclor 1242	E608	ug/kg	21.6								
100-41-4	Ethylbenzene	E624	ug/kg	305								
100-42-5	Styrene	E624	ug/kg	7070								
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL								
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL								
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460								
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7								
107-06-2	1,2-Dichloroethane	E624	ug/kg	432								
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000								
108-87-2	Methylcyclohexane	E624	ug/kg	NL								
108-88-3	Toluene	E624	ug/kg	1090								
108-90-7	Chlorobenzene	E624	ug/kg	162								
110-82-7	Cyclohexane	E624	ug/kg	117000								
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473								

				sys_loc_code:	A59		A6		A60		A61	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A59 0-12		A6 0-12		A60 0-12		A61 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/16/2009		07/01/2009		07/14/2009		07/22/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
123-91-1	1,4-Dioxane	E624	ug/kg	44100								
124-48-1	Dibromochloromethane	E624	ug/kg	680								
127-18-4	Tetrachloroethene	E624	ug/kg	190								
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200								
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300								
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300								
179601-23-1	m,p-Xylene	E624	ug/kg	NL								
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842								
56-23-5	Carbon tetrachloride	E624	ug/kg	248								
591-78-6	2-Hexanone	E624	ug/kg	20900								
67-64-1	Acetone	E624	ug/kg	6130000								
67-66-3	Chloroform	E624	ug/kg	295								
71-43-2	Benzene	E624	ug/kg	137								
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856								
74-83-9	Bromomethane	E624	ug/kg	732								
74-87-3	Chloromethane	E624	ug/kg	11900								
74-97-5	Bromochloromethane	E624	ug/kg	NL								
75-00-3	Chloroethane	E624	ug/kg	1450000								
75-01-4	Vinyl Chloride	E624	ug/kg	59.7								
75-09-2	Methylene chloride	E624	ug/kg	10700								
75-15-0	Carbon Disulfide	E624	ug/kg	0.851								
75-25-2	Bromoform	E624	ug/kg	1310								
75-27-4	Bromodichloromethane	E624	ug/kg	273								
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310								
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780								
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700								
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400								
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000								
78-87-5	1,2-Dichloropropane	E624	ug/kg	895								
78-93-3	2-Butanone	E624	ug/kg	2780000								
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570								
79-01-6	Trichloroethene	E624	ug/kg	1600								
79-20-9	Methyl Acetate	E624	ug/kg	7820000								

				sys_loc_code:	A59		A6		A60		A61	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A59 0-12		A6 0-12		A60 0-12		A61 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/16/2009		07/01/2009		07/14/2009		07/22/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202								
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858								
95-47-6	o-Xylene	E624	ug/kg	NL								
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989								
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35								
98-82-8	Isopropylbenzene	E624	ug/kg	86								
100-01-6	4-Nitroaniline	E625	ug/kg	24300								
100-02-7	4-Nitrophenol	E625	ug/kg	NL								
100-52-7	Benzaldehyde	E625	ug/kg	782000								
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230								
105-60-2	Caprolactam	E625	ug/kg	3060000								
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29								
106-44-5	4-Methylphenol	E625	ug/kg	670								
106-47-8	4-Chloroaniline	E625	ug/kg	2430								
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570								
108-95-2	Phenol	E625	ug/kg	420								
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214								
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300								
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182								
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL								
118-74-1	Hexachlorobenzene	E625	ug/kg	20								
120-12-7	Anthracene	E625	ug/kg	46.9								
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117								
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6								
129-00-0	Pyrene	E625	ug/kg	153								
131-11-3	Dimethylphthalate	E625	ug/kg	NL								
132-64-9	Dibenzofuran	E625	ug/kg	7300								
1912-24-9	Atrazine	E625	ug/kg	6.62								
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170								
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17								
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148								
206-44-0	Fluoranthene	E625	ug/kg	113								
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240								

				sys_loc_code:	A59		A6		A60		A61	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A59 0-12		A6 0-12		A60 0-12		A61 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/16/2009		07/01/2009		07/14/2009		07/22/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
208-96-8	Acenaphthylene	E625	ug/kg	5.87								
218-01-9	Chrysene	E625	ug/kg	108								
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8								
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200								
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611								
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22								
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8								
58-90-2	Chlorophenols	E625	ug/kg	284								
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000								
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120								
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4								
67-72-1	Hexachloroethane	E625	ug/kg	804								
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL								
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139								
78-59-1	Isophorone	E625	ug/kg	511000								
83-32-9	Acenaphthene	E625	ug/kg	6.71								
84-66-2	Diethylphthalate	E625	ug/kg	218								
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160								
85-01-8	Phenanthrene	E625	ug/kg	86.7								
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800								
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100								
86-73-7	Fluorene	E625	ug/kg	19								
86-74-8	Carbazole	E625	ug/kg	NL								
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110								
87-86-5	Pentachlorophenol	E625	ug/kg	2970								
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650								
88-74-4	2-Nitroaniline	E625	ug/kg	60600								
88-75-5	2-Nitrophenol	E625	ug/kg	NL								
91-20-3	Naphthalene	E625	ug/kg	34.6								
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2								
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000								
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080								
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220								

				sys_loc_code:	A59		A6		A60		A61	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A59 0-12		A6 0-12		A60 0-12		A61 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/16/2009		07/01/2009		07/14/2009		07/22/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
95-48-7	2-Methylphenol	E625	ug/kg	306000								
95-57-8	2-Chlorophenol	E625	ug/kg	344								
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830								
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819								
98-86-2	Acetophenone	E625	ug/kg	782000								
98-95-3	Nitrobenzene	E625	ug/kg	4790								
99-09-2	3-Nitroaniline	E625	ug/kg	NL								

				sys_loc_code:	A62		A63		A64		A65	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A62 0-12		A63 0-12		A64 0-12		A65 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/20/2009		07/20/2009		07/20/2009		07/20/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	C200.7	mg/kg	7740								
7439-89-6	Iron	C200.7	mg/kg	2000								
7439-92-1	Lead	C200.7	mg/kg	30.2								
7439-95-4	Magnesium	C200.7	mg/kg	NL								
7439-96-5	Manganese	C200.7	mg/kg	183								
7440-02-0	Nickel	C200.7	mg/kg	15.9								
7440-09-7	Potassium	C200.7	mg/kg	NL								
7440-22-4	Silver	C200.7	mg/kg	0.73								
7440-23-5	Sodium	C200.7	mg/kg	NL								
7440-28-0	Thallium	C200.7	mg/kg	100000								
7440-31-5	Tin	C200.7	mg/kg	NL								
7440-36-0	Antimony	C200.7	mg/kg	2								
7440-38-2	Arsenic	C200.7	mg/kg	0.389								
7440-39-3	Barium	C200.7	mg/kg	130.1								
7440-41-7	Beryllium	C200.7	mg/kg	15.6								
7440-43-9	Cadmium	C200.7	mg/kg	0.68								
7440-47-3	Chromium	C200.7	mg/kg	52.3								
7440-48-4	Cobalt	C200.7	mg/kg	2.34								
7440-50-8	Copper	C200.7	mg/kg	18.7								
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548								
7440-66-6	Zinc	C200.7	mg/kg	124								
7440-70-2	Calcium	C200.7	mg/kg	NL								
7782-49-2	Selenium	C200.7	mg/kg	2								
7429-90-5	Aluminum	E200.7	mg/kg	7740	11000	J	10700		2740		3730	
7439-89-6	Iron	E200.7	mg/kg	2000	29500	J	24000		11200		11300	
7439-92-1	Lead	E200.7	mg/kg	30.2								
7439-95-4	Magnesium	E200.7	mg/kg	NL	4300	J	4060		755		792	
7439-96-5	Manganese	E200.7	mg/kg	183								
7440-02-0	Nickel	E200.7	mg/kg	15.9								
7440-09-7	Potassium	E200.7	mg/kg	NL	2550	J	2480		925		1000	
7440-22-4	Silver	E200.7	mg/kg	0.73								
7440-23-5	Sodium	E200.7	mg/kg	NL	4980	J	5460		2490		2780	
7440-31-5	Tin	E200.7	mg/kg	NL								

Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 1 Sediment Samples < 12 inches

				sys_loc_code:	A62		A63		A64		A65	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A62 0-12		A63 0-12		A64 0-12		A65 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/20/2009		07/20/2009		07/20/2009		07/20/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7440-36-0	Antimony	E200.7	mg/kg	2								
7440-38-2	Arsenic	E200.7	mg/kg	0.389								
7440-47-3	Chromium	E200.7	mg/kg	52.3								
7440-50-8	Copper	E200.7	mg/kg	18.7								
7440-66-6	Zinc	E200.7	mg/kg	124								
7440-70-2	Calcium	E200.7	mg/kg	NL	1330	J	6690		1030	J	674	UJ
7439-92-1	Lead	E200.8	mg/kg	30.2	24.7		18		12.6		19.1	
7439-96-5	Manganese	E200.8	mg/kg	183	216		214		14.1		8.7	
7440-02-0	Nickel	E200.8	mg/kg	15.9	12.7		14.2		3.7		0.92	
7440-22-4	Silver	E200.8	mg/kg	0.73	0.42	U	0.44	U	0.31	U	0.34	U
7440-28-0	Thallium	E200.8	mg/kg	100000	0.83	U	0.87	U	0.63	U	0.67	U
7440-36-0	Antimony	E200.8	mg/kg	2	1.7	U	1.7	U	1.3	U	1.3	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389	14.3		25	J	17.8	J	4.8	J
7440-39-3	Barium	E200.8	mg/kg	130.1	14.4	J	13.8	J	20.2	J	37.1	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.52		0.56		0.33		0.12	J
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.42	U	0.44	U	0.31	U	0.34	U
7440-47-3	Chromium	E200.8	mg/kg	52.3	23.4		24.4		35.9		14.2	
7440-48-4	Cobalt	E200.8	mg/kg	2.34	5.3		5.2		0.77		0.67	U
7440-50-8	Copper	E200.8	mg/kg	18.7	13.5		13.7		16		9.5	
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	34	J	35.7		38.8		23.1	
7440-66-6	Zinc	E200.8	mg/kg	124	63.3		65.3	J	25.5	J	10.9	J
7782-49-2	Selenium	E200.8	mg/kg	2	1		1.3		2.2		0.67	U
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.039	J	0.068	J	0.071	J	0.041	U
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6								
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357								
309-00-2	Aldrin	CPEST	ug/kg	2								
319-84-6	Alpha-Bhc	CPEST	ug/kg	3								
319-85-7	Beta-Bhc	CPEST	ug/kg	3								
319-86-8	Delta-Bhc	CPEST	ug/kg	3								
33213-65-9	Endosulfan II	CPEST	ug/kg	14								
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19								
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7								
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7								

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				sys_loc_code:	A62		A63		A64		A65	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A62 0-12		A63 0-12		A64 0-12		A65 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/20/2009		07/20/2009		07/20/2009		07/20/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL								
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32								
60-57-1	Dieldrin	CPEST	ug/kg	0.72								
72-20-8	Endrin	CPEST	ug/kg	2.67								
72-43-5	Methoxychlor	CPEST	ug/kg	29.6								
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22								
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07								
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL								
76-44-8	Heptachlor	CPEST	ug/kg	68								
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1								
959-98-8	Endosulfan I	CPEST	ug/kg	2.9								
11096-82-5	Aroclor 1260	E608	ug/kg	21.6								
11097-69-1	Aroclor 1254	E608	ug/kg	23								
11100-14-4	Aroclor 1268	E608	ug/kg	21.6								
11104-28-2	Aroclor 1221	E608	ug/kg	21.6								
11141-16-5	Aroclor 1232	E608	ug/kg	21.6								
12672-29-6	Aroclor 1248	E608	ug/kg	21.6								
12674-11-2	Aroclor 1016	E608	ug/kg	21.6								
37324-23-5	Aroclor 1262	E608	ug/kg	21.6								
53469-21-9	Aroclor 1242	E608	ug/kg	21.6								
100-41-4	Ethylbenzene	E624	ug/kg	305								
100-42-5	Styrene	E624	ug/kg	7070								
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL								
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL								
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460								
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7								
107-06-2	1,2-Dichloroethane	E624	ug/kg	432								
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000								
108-87-2	Methylcyclohexane	E624	ug/kg	NL								
108-88-3	Toluene	E624	ug/kg	1090								
108-90-7	Chlorobenzene	E624	ug/kg	162								
110-82-7	Cyclohexane	E624	ug/kg	117000								
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473								

				sys_loc_code:	A62		A63		A64		A65	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A62 0-12		A63 0-12		A64 0-12		A65 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/20/2009		07/20/2009		07/20/2009		07/20/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
123-91-1	1,4-Dioxane	E624	ug/kg	44100								
124-48-1	Dibromochloromethane	E624	ug/kg	680								
127-18-4	Tetrachloroethene	E624	ug/kg	190								
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200								
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300								
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300								
179601-23-1	m,p-Xylene	E624	ug/kg	NL								
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842								
56-23-5	Carbon tetrachloride	E624	ug/kg	248								
591-78-6	2-Hexanone	E624	ug/kg	20900								
67-64-1	Acetone	E624	ug/kg	6130000								
67-66-3	Chloroform	E624	ug/kg	295								
71-43-2	Benzene	E624	ug/kg	137								
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856								
74-83-9	Bromomethane	E624	ug/kg	732								
74-87-3	Chloromethane	E624	ug/kg	11900								
74-97-5	Bromochloromethane	E624	ug/kg	NL								
75-00-3	Chloroethane	E624	ug/kg	1450000								
75-01-4	Vinyl Chloride	E624	ug/kg	59.7								
75-09-2	Methylene chloride	E624	ug/kg	10700								
75-15-0	Carbon Disulfide	E624	ug/kg	0.851								
75-25-2	Bromoform	E624	ug/kg	1310								
75-27-4	Bromodichloromethane	E624	ug/kg	273								
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310								
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780								
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700								
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400								
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000								
78-87-5	1,2-Dichloropropane	E624	ug/kg	895								
78-93-3	2-Butanone	E624	ug/kg	2780000								
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570								
79-01-6	Trichloroethene	E624	ug/kg	1600								
79-20-9	Methyl Acetate	E624	ug/kg	7820000								

				sys_loc_code:	A62		A63		A64		A65	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A62 0-12		A63 0-12		A64 0-12		A65 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/20/2009		07/20/2009		07/20/2009		07/20/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202								
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858								
95-47-6	o-Xylene	E624	ug/kg	NL								
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989								
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35								
98-82-8	Isopropylbenzene	E624	ug/kg	86								
100-01-6	4-Nitroaniline	E625	ug/kg	24300								
100-02-7	4-Nitrophenol	E625	ug/kg	NL								
100-52-7	Benzaldehyde	E625	ug/kg	782000								
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230								
105-60-2	Caprolactam	E625	ug/kg	3060000								
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29								
106-44-5	4-Methylphenol	E625	ug/kg	670								
106-47-8	4-Chloroaniline	E625	ug/kg	2430								
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570								
108-95-2	Phenol	E625	ug/kg	420								
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214								
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300								
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182								
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL								
118-74-1	Hexachlorobenzene	E625	ug/kg	20								
120-12-7	Anthracene	E625	ug/kg	46.9								
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117								
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6								
129-00-0	Pyrene	E625	ug/kg	153								
131-11-3	Dimethylphthalate	E625	ug/kg	NL								
132-64-9	Dibenzofuran	E625	ug/kg	7300								
1912-24-9	Atrazine	E625	ug/kg	6.62								
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170								
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17								
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148								
206-44-0	Fluoranthene	E625	ug/kg	113								
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240								

				sys_loc_code:	A62		A63		A64		A65	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A62 0-12		A63 0-12		A64 0-12		A65 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/20/2009		07/20/2009		07/20/2009		07/20/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
208-96-8	Acenaphthylene	E625	ug/kg	5.87								
218-01-9	Chrysene	E625	ug/kg	108								
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8								
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200								
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611								
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22								
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8								
58-90-2	Chlorophenols	E625	ug/kg	284								
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000								
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120								
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4								
67-72-1	Hexachloroethane	E625	ug/kg	804								
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL								
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139								
78-59-1	Isophorone	E625	ug/kg	511000								
83-32-9	Acenaphthene	E625	ug/kg	6.71								
84-66-2	Diethylphthalate	E625	ug/kg	218								
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160								
85-01-8	Phenanthrene	E625	ug/kg	86.7								
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800								
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100								
86-73-7	Fluorene	E625	ug/kg	19								
86-74-8	Carbazole	E625	ug/kg	NL								
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110								
87-86-5	Pentachlorophenol	E625	ug/kg	2970								
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650								
88-74-4	2-Nitroaniline	E625	ug/kg	60600								
88-75-5	2-Nitrophenol	E625	ug/kg	NL								
91-20-3	Naphthalene	E625	ug/kg	34.6								
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2								
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000								
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080								
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220								

				sys_loc_code:	A62		A63		A64		A65	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A62 0-12		A63 0-12		A64 0-12		A65 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/20/2009		07/20/2009		07/20/2009		07/20/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
95-48-7	2-Methylphenol	E625	ug/kg	306000								
95-57-8	2-Chlorophenol	E625	ug/kg	344								
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830								
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819								
98-86-2	Acetophenone	E625	ug/kg	782000								
98-95-3	Nitrobenzene	E625	ug/kg	4790								
99-09-2	3-Nitroaniline	E625	ug/kg	NL								

				sys_loc_code:	A66		A67		A68		A69	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A66 0-12		A67 0-12		A68 0-12		A69 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/20/2009		07/20/2009		07/17/2009		07/20/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	C200.7	mg/kg	7740								
7439-89-6	Iron	C200.7	mg/kg	2000								
7439-92-1	Lead	C200.7	mg/kg	30.2								
7439-95-4	Magnesium	C200.7	mg/kg	NL								
7439-96-5	Manganese	C200.7	mg/kg	183								
7440-02-0	Nickel	C200.7	mg/kg	15.9								
7440-09-7	Potassium	C200.7	mg/kg	NL								
7440-22-4	Silver	C200.7	mg/kg	0.73								
7440-23-5	Sodium	C200.7	mg/kg	NL								
7440-28-0	Thallium	C200.7	mg/kg	100000								
7440-31-5	Tin	C200.7	mg/kg	NL								
7440-36-0	Antimony	C200.7	mg/kg	2								
7440-38-2	Arsenic	C200.7	mg/kg	0.389								
7440-39-3	Barium	C200.7	mg/kg	130.1								
7440-41-7	Beryllium	C200.7	mg/kg	15.6								
7440-43-9	Cadmium	C200.7	mg/kg	0.68								
7440-47-3	Chromium	C200.7	mg/kg	52.3								
7440-48-4	Cobalt	C200.7	mg/kg	2.34								
7440-50-8	Copper	C200.7	mg/kg	18.7								
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548								
7440-66-6	Zinc	C200.7	mg/kg	124								
7440-70-2	Calcium	C200.7	mg/kg	NL								
7782-49-2	Selenium	C200.7	mg/kg	2								
7429-90-5	Aluminum	E200.7	mg/kg	7740	3070	J	1100		6350		2920	
7439-89-6	Iron	E200.7	mg/kg	2000	15800		3450		22600	J	24100	
7439-92-1	Lead	E200.7	mg/kg	30.2								
7439-95-4	Magnesium	E200.7	mg/kg	NL	1130		636	U	3080		920	
7439-96-5	Manganese	E200.7	mg/kg	183								
7440-02-0	Nickel	E200.7	mg/kg	15.9								
7440-09-7	Potassium	E200.7	mg/kg	NL	659	U	636	U	1560		680	U
7440-22-4	Silver	E200.7	mg/kg	0.73								
7440-23-5	Sodium	E200.7	mg/kg	NL	2400		1630		4400	J	1970	
7440-31-5	Tin	E200.7	mg/kg	NL								

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Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 1 Sediment Samples < 12 inches

				sys_loc_code:	A66		A67		A68		A69	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A66 0-12		A67 0-12		A68 0-12		A69 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/20/2009		07/20/2009		07/17/2009		07/20/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7440-36-0	Antimony	E200.7	mg/kg	2								
7440-38-2	Arsenic	E200.7	mg/kg	0.389								
7440-47-3	Chromium	E200.7	mg/kg	52.3								
7440-50-8	Copper	E200.7	mg/kg	18.7								
7440-66-6	Zinc	E200.7	mg/kg	124								
7440-70-2	Calcium	E200.7	mg/kg	NL	1870	J	1280	J	6080		2110	J
7439-92-1	Lead	E200.8	mg/kg	30.2	40.3	J	12.7		36.9	J	42.1	
7439-96-5	Manganese	E200.8	mg/kg	183	92.8		17.6		186		62.4	
7440-02-0	Nickel	E200.8	mg/kg	15.9	9.7	J	1.8		16.1		7	
7440-22-4	Silver	E200.8	mg/kg	0.73	0.33	U	0.32	U	0.38	UJ	0.34	U
7440-28-0	Thallium	E200.8	mg/kg	100000	0.66	U	0.64	U	0.76	UJ	0.68	U
7440-36-0	Antimony	E200.8	mg/kg	2	1.5		1.3	U	1.5	U	1.4	
7440-38-2	Arsenic	E200.8	mg/kg	0.389	23.1	J	3.2	J	18.5	J	14.1	J
7440-39-3	Barium	E200.8	mg/kg	130.1	9.8	J	9	J	13.3		6.8	UJ
7440-41-7	Beryllium	E200.8	mg/kg	15.6	1.2		0.32	U	0.5		0.34	U
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.33	U	0.32	U	0.29	J	0.34	U
7440-47-3	Chromium	E200.8	mg/kg	52.3	35.9		6.9		18.6		15.6	
7440-48-4	Cobalt	E200.8	mg/kg	2.34	2.7	J	0.64	U	4.3	J	1.7	
7440-50-8	Copper	E200.8	mg/kg	18.7	26	J	4.9		27.5		21	
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	58.9	J	10		27	J	25.7	
7440-66-6	Zinc	E200.8	mg/kg	124	100	J	21.3	J	79.8		65.7	J
7782-49-2	Selenium	E200.8	mg/kg	2	1		0.64	U	2.8		1.1	
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.12	R	0.041	J	0.18		0.15	J
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6								
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357								
309-00-2	Aldrin	CPEST	ug/kg	2								
319-84-6	Alpha-Bhc	CPEST	ug/kg	3								
319-85-7	Beta-Bhc	CPEST	ug/kg	3								
319-86-8	Delta-Bhc	CPEST	ug/kg	3								
33213-65-9	Endosulfan II	CPEST	ug/kg	14								
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19								
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7								
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7								

				sys_loc_code:	A66		A67		A68		A69	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A66 0-12		A67 0-12		A68 0-12		A69 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/20/2009		07/20/2009		07/17/2009		07/20/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL								
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32								
60-57-1	Dieldrin	CPEST	ug/kg	0.72								
72-20-8	Endrin	CPEST	ug/kg	2.67								
72-43-5	Methoxychlor	CPEST	ug/kg	29.6								
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22								
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07								
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL								
76-44-8	Heptachlor	CPEST	ug/kg	68								
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1								
959-98-8	Endosulfan I	CPEST	ug/kg	2.9								
11096-82-5	Aroclor 1260	E608	ug/kg	21.6								
11097-69-1	Aroclor 1254	E608	ug/kg	23								
11100-14-4	Aroclor 1268	E608	ug/kg	21.6								
11104-28-2	Aroclor 1221	E608	ug/kg	21.6								
11141-16-5	Aroclor 1232	E608	ug/kg	21.6								
12672-29-6	Aroclor 1248	E608	ug/kg	21.6								
12674-11-2	Aroclor 1016	E608	ug/kg	21.6								
37324-23-5	Aroclor 1262	E608	ug/kg	21.6								
53469-21-9	Aroclor 1242	E608	ug/kg	21.6								
100-41-4	Ethylbenzene	E624	ug/kg	305								
100-42-5	Styrene	E624	ug/kg	7070								
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL								
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL								
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460								
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7								
107-06-2	1,2-Dichloroethane	E624	ug/kg	432								
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000								
108-87-2	Methylcyclohexane	E624	ug/kg	NL								
108-88-3	Toluene	E624	ug/kg	1090								
108-90-7	Chlorobenzene	E624	ug/kg	162								
110-82-7	Cyclohexane	E624	ug/kg	117000								
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473								

				sys_loc_code:	A66		A67		A68		A69	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A66 0-12		A67 0-12		A68 0-12		A69 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/20/2009		07/20/2009		07/17/2009		07/20/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
123-91-1	1,4-Dioxane	E624	ug/kg	44100								
124-48-1	Dibromochloromethane	E624	ug/kg	680								
127-18-4	Tetrachloroethene	E624	ug/kg	190								
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200								
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300								
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300								
179601-23-1	m,p-Xylene	E624	ug/kg	NL								
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842								
56-23-5	Carbon tetrachloride	E624	ug/kg	248								
591-78-6	2-Hexanone	E624	ug/kg	20900								
67-64-1	Acetone	E624	ug/kg	6130000								
67-66-3	Chloroform	E624	ug/kg	295								
71-43-2	Benzene	E624	ug/kg	137								
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856								
74-83-9	Bromomethane	E624	ug/kg	732								
74-87-3	Chloromethane	E624	ug/kg	11900								
74-97-5	Bromochloromethane	E624	ug/kg	NL								
75-00-3	Chloroethane	E624	ug/kg	1450000								
75-01-4	Vinyl Chloride	E624	ug/kg	59.7								
75-09-2	Methylene chloride	E624	ug/kg	10700								
75-15-0	Carbon Disulfide	E624	ug/kg	0.851								
75-25-2	Bromoform	E624	ug/kg	1310								
75-27-4	Bromodichloromethane	E624	ug/kg	273								
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310								
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780								
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700								
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400								
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000								
78-87-5	1,2-Dichloropropane	E624	ug/kg	895								
78-93-3	2-Butanone	E624	ug/kg	2780000								
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570								
79-01-6	Trichloroethene	E624	ug/kg	1600								
79-20-9	Methyl Acetate	E624	ug/kg	7820000								

				sys_loc_code:	A66		A67		A68		A69	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A66 0-12		A67 0-12		A68 0-12		A69 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/20/2009		07/20/2009		07/17/2009		07/20/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202								
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858								
95-47-6	o-Xylene	E624	ug/kg	NL								
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989								
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35								
98-82-8	Isopropylbenzene	E624	ug/kg	86								
100-01-6	4-Nitroaniline	E625	ug/kg	24300								
100-02-7	4-Nitrophenol	E625	ug/kg	NL								
100-52-7	Benzaldehyde	E625	ug/kg	782000								
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230								
105-60-2	Caprolactam	E625	ug/kg	3060000								
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29								
106-44-5	4-Methylphenol	E625	ug/kg	670								
106-47-8	4-Chloroaniline	E625	ug/kg	2430								
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570								
108-95-2	Phenol	E625	ug/kg	420								
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214								
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300								
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182								
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL								
118-74-1	Hexachlorobenzene	E625	ug/kg	20								
120-12-7	Anthracene	E625	ug/kg	46.9								
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117								
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6								
129-00-0	Pyrene	E625	ug/kg	153								
131-11-3	Dimethylphthalate	E625	ug/kg	NL								
132-64-9	Dibenzofuran	E625	ug/kg	7300								
1912-24-9	Atrazine	E625	ug/kg	6.62								
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170								
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17								
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148								
206-44-0	Fluoranthene	E625	ug/kg	113								
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240								

				sys_loc_code:	A66		A67		A68		A69	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A66 0-12		A67 0-12		A68 0-12		A69 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/20/2009		07/20/2009		07/17/2009		07/20/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
208-96-8	Acenaphthylene	E625	ug/kg	5.87								
218-01-9	Chrysene	E625	ug/kg	108								
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8								
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200								
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611								
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22								
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8								
58-90-2	Chlorophenols	E625	ug/kg	284								
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000								
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120								
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4								
67-72-1	Hexachloroethane	E625	ug/kg	804								
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL								
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139								
78-59-1	Isophorone	E625	ug/kg	511000								
83-32-9	Acenaphthene	E625	ug/kg	6.71								
84-66-2	Diethylphthalate	E625	ug/kg	218								
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160								
85-01-8	Phenanthrene	E625	ug/kg	86.7								
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800								
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100								
86-73-7	Fluorene	E625	ug/kg	19								
86-74-8	Carbazole	E625	ug/kg	NL								
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110								
87-86-5	Pentachlorophenol	E625	ug/kg	2970								
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650								
88-74-4	2-Nitroaniline	E625	ug/kg	60600								
88-75-5	2-Nitrophenol	E625	ug/kg	NL								
91-20-3	Naphthalene	E625	ug/kg	34.6								
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2								
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000								
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080								
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220								

				sys_loc_code:	A66		A67		A68		A69	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A66 0-12		A67 0-12		A68 0-12		A69 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/20/2009		07/20/2009		07/17/2009		07/20/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
95-48-7	2-Methylphenol	E625	ug/kg	306000								
95-57-8	2-Chlorophenol	E625	ug/kg	344								
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830								
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819								
98-86-2	Acetophenone	E625	ug/kg	782000								
98-95-3	Nitrobenzene	E625	ug/kg	4790								
99-09-2	3-Nitroaniline	E625	ug/kg	NL								

				sys_loc_code:	A7		A70		A71		A72	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A7 0-12		A70 0-12		A71 0-12		A72 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/01/2009		07/20/2009		07/17/2009		07/17/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	C200.7	mg/kg	7740								
7439-89-6	Iron	C200.7	mg/kg	2000								
7439-92-1	Lead	C200.7	mg/kg	30.2								
7439-95-4	Magnesium	C200.7	mg/kg	NL								
7439-96-5	Manganese	C200.7	mg/kg	183								
7440-02-0	Nickel	C200.7	mg/kg	15.9								
7440-09-7	Potassium	C200.7	mg/kg	NL								
7440-22-4	Silver	C200.7	mg/kg	0.73								
7440-23-5	Sodium	C200.7	mg/kg	NL								
7440-28-0	Thallium	C200.7	mg/kg	100000								
7440-31-5	Tin	C200.7	mg/kg	NL								
7440-36-0	Antimony	C200.7	mg/kg	2								
7440-38-2	Arsenic	C200.7	mg/kg	0.389								
7440-39-3	Barium	C200.7	mg/kg	130.1								
7440-41-7	Beryllium	C200.7	mg/kg	15.6								
7440-43-9	Cadmium	C200.7	mg/kg	0.68								
7440-47-3	Chromium	C200.7	mg/kg	52.3								
7440-48-4	Cobalt	C200.7	mg/kg	2.34								
7440-50-8	Copper	C200.7	mg/kg	18.7								
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548								
7440-66-6	Zinc	C200.7	mg/kg	124								
7440-70-2	Calcium	C200.7	mg/kg	NL								
7782-49-2	Selenium	C200.7	mg/kg	2								
7429-90-5	Aluminum	E200.7	mg/kg	7740	824		2280		1080		885	
7439-89-6	Iron	E200.7	mg/kg	2000	13600		4210		7210	J	7160	J
7439-92-1	Lead	E200.7	mg/kg	30.2	255	J						
7439-95-4	Magnesium	E200.7	mg/kg	NL	188	J	604	U	559		425	J
7439-96-5	Manganese	E200.7	mg/kg	183	41.2	J						
7440-02-0	Nickel	E200.7	mg/kg	15.9								
7440-09-7	Potassium	E200.7	mg/kg	NL	56	J	604	U	247	J	181	J
7440-22-4	Silver	E200.7	mg/kg	0.73								
7440-23-5	Sodium	E200.7	mg/kg	NL	195	J	604	U	1960	J	2000	J
7440-31-5	Tin	E200.7	mg/kg	NL								

Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 1 Sediment Samples < 12 inches

				sys_loc_code:	A7		A70		A71		A72	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A7 0-12		A70 0-12		A71 0-12		A72 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/01/2009		07/20/2009		07/17/2009		07/17/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7440-36-0	Antimony	E200.7	mg/kg	2								
7440-38-2	Arsenic	E200.7	mg/kg	0.389	4.3							
7440-47-3	Chromium	E200.7	mg/kg	52.3								
7440-50-8	Copper	E200.7	mg/kg	18.7	16.7							
7440-66-6	Zinc	E200.7	mg/kg	124	24.4							
7440-70-2	Calcium	E200.7	mg/kg	NL	562		601	J	2400		828	
7439-92-1	Lead	E200.8	mg/kg	30.2			14.2		19	J	12.5	J
7439-96-5	Manganese	E200.8	mg/kg	183			11.5		38.9		18.2	
7440-02-0	Nickel	E200.8	mg/kg	15.9	1.4		3.1		3.9		4.5	
7440-22-4	Silver	E200.8	mg/kg	0.73	0.18	UJ	0.3	U	0.31	UJ	0.31	UJ
7440-28-0	Thallium	E200.8	mg/kg	100000	0.36	U	0.6	U	0.61	UJ	0.61	UJ
7440-36-0	Antimony	E200.8	mg/kg	2	8.9		1.2	U	1.2	U	1.2	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389			3.5	J	6.1	J	4.9	J
7440-39-3	Barium	E200.8	mg/kg	130.1	3.6	UJ	7.7	J	4.8	J	4.5	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.18	U	0.3	U	0.31	U	0.31	U
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.18	U	0.3	U	0.13	J	0.15	J
7440-47-3	Chromium	E200.8	mg/kg	52.3	8		8.4		7.8		9.9	
7440-48-4	Cobalt	E200.8	mg/kg	2.34	0.55	J	1.1		1.6	J	0.79	J
7440-50-8	Copper	E200.8	mg/kg	18.7			7.1		11.9		7.5	
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	11		27.9		16	J	12.3	J
7440-66-6	Zinc	E200.8	mg/kg	124			33.4	J	38.7		28.8	
7782-49-2	Selenium	E200.8	mg/kg	2	0.36	U	0.6	U	0.61	J	0.43	J
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.031	U	0.05	J	0.094		0.071	
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6								
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357								
309-00-2	Aldrin	CPEST	ug/kg	2								
319-84-6	Alpha-Bhc	CPEST	ug/kg	3								
319-85-7	Beta-Bhc	CPEST	ug/kg	3								
319-86-8	Delta-Bhc	CPEST	ug/kg	3								
33213-65-9	Endosulfan II	CPEST	ug/kg	14								
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19								
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7								
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7								

				sys_loc_code:	A7		A70		A71		A72	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A7 0-12		A70 0-12		A71 0-12		A72 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/01/2009		07/20/2009		07/17/2009		07/17/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL								
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32								
60-57-1	Dieldrin	CPEST	ug/kg	0.72								
72-20-8	Endrin	CPEST	ug/kg	2.67								
72-43-5	Methoxychlor	CPEST	ug/kg	29.6								
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22								
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07								
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL								
76-44-8	Heptachlor	CPEST	ug/kg	68								
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1								
959-98-8	Endosulfan I	CPEST	ug/kg	2.9								
11096-82-5	Aroclor 1260	E608	ug/kg	21.6								
11097-69-1	Aroclor 1254	E608	ug/kg	23								
11100-14-4	Aroclor 1268	E608	ug/kg	21.6								
11104-28-2	Aroclor 1221	E608	ug/kg	21.6								
11141-16-5	Aroclor 1232	E608	ug/kg	21.6								
12672-29-6	Aroclor 1248	E608	ug/kg	21.6								
12674-11-2	Aroclor 1016	E608	ug/kg	21.6								
37324-23-5	Aroclor 1262	E608	ug/kg	21.6								
53469-21-9	Aroclor 1242	E608	ug/kg	21.6								
100-41-4	Ethylbenzene	E624	ug/kg	305								
100-42-5	Styrene	E624	ug/kg	7070								
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL								
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL								
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460								
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7								
107-06-2	1,2-Dichloroethane	E624	ug/kg	432								
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000								
108-87-2	Methylcyclohexane	E624	ug/kg	NL								
108-88-3	Toluene	E624	ug/kg	1090								
108-90-7	Chlorobenzene	E624	ug/kg	162								
110-82-7	Cyclohexane	E624	ug/kg	117000								
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473								

				sys_loc_code:	A7		A70		A71		A72	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A7 0-12		A70 0-12		A71 0-12		A72 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/01/2009		07/20/2009		07/17/2009		07/17/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
123-91-1	1,4-Dioxane	E624	ug/kg	44100								
124-48-1	Dibromochloromethane	E624	ug/kg	680								
127-18-4	Tetrachloroethene	E624	ug/kg	190								
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200								
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300								
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300								
179601-23-1	m,p-Xylene	E624	ug/kg	NL								
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842								
56-23-5	Carbon tetrachloride	E624	ug/kg	248								
591-78-6	2-Hexanone	E624	ug/kg	20900								
67-64-1	Acetone	E624	ug/kg	6130000								
67-66-3	Chloroform	E624	ug/kg	295								
71-43-2	Benzene	E624	ug/kg	137								
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856								
74-83-9	Bromomethane	E624	ug/kg	732								
74-87-3	Chloromethane	E624	ug/kg	11900								
74-97-5	Bromochloromethane	E624	ug/kg	NL								
75-00-3	Chloroethane	E624	ug/kg	1450000								
75-01-4	Vinyl Chloride	E624	ug/kg	59.7								
75-09-2	Methylene chloride	E624	ug/kg	10700								
75-15-0	Carbon Disulfide	E624	ug/kg	0.851								
75-25-2	Bromoform	E624	ug/kg	1310								
75-27-4	Bromodichloromethane	E624	ug/kg	273								
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310								
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780								
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700								
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400								
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000								
78-87-5	1,2-Dichloropropane	E624	ug/kg	895								
78-93-3	2-Butanone	E624	ug/kg	2780000								
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570								
79-01-6	Trichloroethene	E624	ug/kg	1600								
79-20-9	Methyl Acetate	E624	ug/kg	7820000								

				sys_loc_code:	A7		A70		A71		A72	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A7 0-12		A70 0-12		A71 0-12		A72 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/01/2009		07/20/2009		07/17/2009		07/17/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202								
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858								
95-47-6	o-Xylene	E624	ug/kg	NL								
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989								
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35								
98-82-8	Isopropylbenzene	E624	ug/kg	86								
100-01-6	4-Nitroaniline	E625	ug/kg	24300								
100-02-7	4-Nitrophenol	E625	ug/kg	NL								
100-52-7	Benzaldehyde	E625	ug/kg	782000								
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230								
105-60-2	Caprolactam	E625	ug/kg	3060000								
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29								
106-44-5	4-Methylphenol	E625	ug/kg	670								
106-47-8	4-Chloroaniline	E625	ug/kg	2430								
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570								
108-95-2	Phenol	E625	ug/kg	420								
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214								
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300								
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182								
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL								
118-74-1	Hexachlorobenzene	E625	ug/kg	20								
120-12-7	Anthracene	E625	ug/kg	46.9								
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117								
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6								
129-00-0	Pyrene	E625	ug/kg	153								
131-11-3	Dimethylphthalate	E625	ug/kg	NL								
132-64-9	Dibenzofuran	E625	ug/kg	7300								
1912-24-9	Atrazine	E625	ug/kg	6.62								
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170								
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17								
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148								
206-44-0	Fluoranthene	E625	ug/kg	113								
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240								

				sys_loc_code:	A7		A70		A71		A72	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A7 0-12		A70 0-12		A71 0-12		A72 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/01/2009		07/20/2009		07/17/2009		07/17/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
208-96-8	Acenaphthylene	E625	ug/kg	5.87								
218-01-9	Chrysene	E625	ug/kg	108								
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8								
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200								
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611								
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22								
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8								
58-90-2	Chlorophenols	E625	ug/kg	284								
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000								
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120								
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4								
67-72-1	Hexachloroethane	E625	ug/kg	804								
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL								
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139								
78-59-1	Isophorone	E625	ug/kg	511000								
83-32-9	Acenaphthene	E625	ug/kg	6.71								
84-66-2	Diethylphthalate	E625	ug/kg	218								
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160								
85-01-8	Phenanthrene	E625	ug/kg	86.7								
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800								
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100								
86-73-7	Fluorene	E625	ug/kg	19								
86-74-8	Carbazole	E625	ug/kg	NL								
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110								
87-86-5	Pentachlorophenol	E625	ug/kg	2970								
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650								
88-74-4	2-Nitroaniline	E625	ug/kg	60600								
88-75-5	2-Nitrophenol	E625	ug/kg	NL								
91-20-3	Naphthalene	E625	ug/kg	34.6								
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2								
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000								
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080								
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220								

				sys_loc_code:	A7		A70		A71		A72	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A7 0-12		A70 0-12		A71 0-12		A72 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/01/2009		07/20/2009		07/17/2009		07/17/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
95-48-7	2-Methylphenol	E625	ug/kg	306000								
95-57-8	2-Chlorophenol	E625	ug/kg	344								
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830								
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819								
98-86-2	Acetophenone	E625	ug/kg	782000								
98-95-3	Nitrobenzene	E625	ug/kg	4790								
99-09-2	3-Nitroaniline	E625	ug/kg	NL								

Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 1 Sediment Samples < 12 inches

				sys_loc_code:	A73		A74		A75		A76	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A73 0-12		A74 0-12		A75 0-12		A76 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/17/2009		07/17/2009		07/17/2009		07/17/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	C200.7	mg/kg	7740								
7439-89-6	Iron	C200.7	mg/kg	2000								
7439-92-1	Lead	C200.7	mg/kg	30.2								
7439-95-4	Magnesium	C200.7	mg/kg	NL								
7439-96-5	Manganese	C200.7	mg/kg	183								
7440-02-0	Nickel	C200.7	mg/kg	15.9								
7440-09-7	Potassium	C200.7	mg/kg	NL								
7440-22-4	Silver	C200.7	mg/kg	0.73								
7440-23-5	Sodium	C200.7	mg/kg	NL								
7440-28-0	Thallium	C200.7	mg/kg	100000								
7440-31-5	Tin	C200.7	mg/kg	NL								
7440-36-0	Antimony	C200.7	mg/kg	2								
7440-38-2	Arsenic	C200.7	mg/kg	0.389								
7440-39-3	Barium	C200.7	mg/kg	130.1								
7440-41-7	Beryllium	C200.7	mg/kg	15.6								
7440-43-9	Cadmium	C200.7	mg/kg	0.68								
7440-47-3	Chromium	C200.7	mg/kg	52.3								
7440-48-4	Cobalt	C200.7	mg/kg	2.34								
7440-50-8	Copper	C200.7	mg/kg	18.7								
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548								
7440-66-6	Zinc	C200.7	mg/kg	124								
7440-70-2	Calcium	C200.7	mg/kg	NL								
7782-49-2	Selenium	C200.7	mg/kg	2								
7429-90-5	Aluminum	E200.7	mg/kg	7740	1440		923		1090		671	
7439-89-6	Iron	E200.7	mg/kg	2000	8600	J	5970		8130		3690	
7439-92-1	Lead	E200.7	mg/kg	30.2								
7439-95-4	Magnesium	E200.7	mg/kg	NL	557	J	473	J	534	J	434	J
7439-96-5	Manganese	E200.7	mg/kg	183								
7440-02-0	Nickel	E200.7	mg/kg	15.9								
7440-09-7	Potassium	E200.7	mg/kg	NL	239	J	331	J	216	J	185	J
7440-22-4	Silver	E200.7	mg/kg	0.73								
7440-23-5	Sodium	E200.7	mg/kg	NL	1660	J	1710	J	1920	J	1820	J
7440-31-5	Tin	E200.7	mg/kg	NL								

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Raritan Bay Slag Superfund Site
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Data Gap Technical Memorandum
Area 1 Sediment Samples < 12 inches

				sys_loc_code:	A73		A74		A75		A76	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A73 0-12		A74 0-12		A75 0-12		A76 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/17/2009		07/17/2009		07/17/2009		07/17/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7440-36-0	Antimony	E200.7	mg/kg	2								
7440-38-2	Arsenic	E200.7	mg/kg	0.389								
7440-47-3	Chromium	E200.7	mg/kg	52.3								
7440-50-8	Copper	E200.7	mg/kg	18.7								
7440-66-6	Zinc	E200.7	mg/kg	124								
7440-70-2	Calcium	E200.7	mg/kg	NL	649		3920		978		2120	
7439-92-1	Lead	E200.8	mg/kg	30.2	8.8	J	13		16		32.7	
7439-96-5	Manganese	E200.8	mg/kg	183	11.9	J	23.8		18.6		29.1	
7440-02-0	Nickel	E200.8	mg/kg	15.9	2.4	J	7.3	J	8.5	J	3.4	J
7440-22-4	Silver	E200.8	mg/kg	0.73	0.3	UJ	0.31	UJ	0.28	UJ	0.31	UJ
7440-28-0	Thallium	E200.8	mg/kg	100000	0.59	UJ	0.61	U	0.57	U	0.61	U
7440-36-0	Antimony	E200.8	mg/kg	2	1.2	U	1.2	U	1.1	U	1.3	
7440-38-2	Arsenic	E200.8	mg/kg	0.389	4.4	J	10.3	J	10.3	J	3.4	J
7440-39-3	Barium	E200.8	mg/kg	130.1	6.5		5.7	J	5	J	4.9	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.3	U	0.39		0.33		0.31	U
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.045	J	0.17	J	0.52		0.13	J
7440-47-3	Chromium	E200.8	mg/kg	52.3	6.6	J	9.3	J	9	J	7.2	J
7440-48-4	Cobalt	E200.8	mg/kg	2.34	0.59	UJ	1.3	J	3.1	J	1.5	J
7440-50-8	Copper	E200.8	mg/kg	18.7	5.9	J	13.7	J	10.5	J	9.6	J
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	7.3	J	23.2	J	18.6	J	12.8	J
7440-66-6	Zinc	E200.8	mg/kg	124	15.4	J	42.6		40.5		40.2	
7782-49-2	Selenium	E200.8	mg/kg	2	0.41	J	1.1	J	0.64	J	0.23	J
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.075		0.08		0.066		0.067	
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6								
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357								
309-00-2	Aldrin	CPEST	ug/kg	2								
319-84-6	Alpha-Bhc	CPEST	ug/kg	3								
319-85-7	Beta-Bhc	CPEST	ug/kg	3								
319-86-8	Delta-Bhc	CPEST	ug/kg	3								
33213-65-9	Endosulfan II	CPEST	ug/kg	14								
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19								
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7								
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7								

				sys_loc_code:	A73		A74		A75		A76	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A73 0-12		A74 0-12		A75 0-12		A76 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/17/2009		07/17/2009		07/17/2009		07/17/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL								
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32								
60-57-1	Dieldrin	CPEST	ug/kg	0.72								
72-20-8	Endrin	CPEST	ug/kg	2.67								
72-43-5	Methoxychlor	CPEST	ug/kg	29.6								
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22								
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07								
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL								
76-44-8	Heptachlor	CPEST	ug/kg	68								
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1								
959-98-8	Endosulfan I	CPEST	ug/kg	2.9								
11096-82-5	Aroclor 1260	E608	ug/kg	21.6								
11097-69-1	Aroclor 1254	E608	ug/kg	23								
11100-14-4	Aroclor 1268	E608	ug/kg	21.6								
11104-28-2	Aroclor 1221	E608	ug/kg	21.6								
11141-16-5	Aroclor 1232	E608	ug/kg	21.6								
12672-29-6	Aroclor 1248	E608	ug/kg	21.6								
12674-11-2	Aroclor 1016	E608	ug/kg	21.6								
37324-23-5	Aroclor 1262	E608	ug/kg	21.6								
53469-21-9	Aroclor 1242	E608	ug/kg	21.6								
100-41-4	Ethylbenzene	E624	ug/kg	305								
100-42-5	Styrene	E624	ug/kg	7070								
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL								
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL								
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460								
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7								
107-06-2	1,2-Dichloroethane	E624	ug/kg	432								
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000								
108-87-2	Methylcyclohexane	E624	ug/kg	NL								
108-88-3	Toluene	E624	ug/kg	1090								
108-90-7	Chlorobenzene	E624	ug/kg	162								
110-82-7	Cyclohexane	E624	ug/kg	117000								
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473								

				sys_loc_code:	A73		A74		A75		A76	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A73 0-12		A74 0-12		A75 0-12		A76 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/17/2009		07/17/2009		07/17/2009		07/17/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
123-91-1	1,4-Dioxane	E624	ug/kg	44100								
124-48-1	Dibromochloromethane	E624	ug/kg	680								
127-18-4	Tetrachloroethene	E624	ug/kg	190								
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200								
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300								
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300								
179601-23-1	m,p-Xylene	E624	ug/kg	NL								
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842								
56-23-5	Carbon tetrachloride	E624	ug/kg	248								
591-78-6	2-Hexanone	E624	ug/kg	20900								
67-64-1	Acetone	E624	ug/kg	6130000								
67-66-3	Chloroform	E624	ug/kg	295								
71-43-2	Benzene	E624	ug/kg	137								
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856								
74-83-9	Bromomethane	E624	ug/kg	732								
74-87-3	Chloromethane	E624	ug/kg	11900								
74-97-5	Bromochloromethane	E624	ug/kg	NL								
75-00-3	Chloroethane	E624	ug/kg	1450000								
75-01-4	Vinyl Chloride	E624	ug/kg	59.7								
75-09-2	Methylene chloride	E624	ug/kg	10700								
75-15-0	Carbon Disulfide	E624	ug/kg	0.851								
75-25-2	Bromoform	E624	ug/kg	1310								
75-27-4	Bromodichloromethane	E624	ug/kg	273								
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310								
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780								
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700								
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400								
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000								
78-87-5	1,2-Dichloropropane	E624	ug/kg	895								
78-93-3	2-Butanone	E624	ug/kg	2780000								
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570								
79-01-6	Trichloroethene	E624	ug/kg	1600								
79-20-9	Methyl Acetate	E624	ug/kg	7820000								

				sys_loc_code:	A73		A74		A75		A76	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A73 0-12		A74 0-12		A75 0-12		A76 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/17/2009		07/17/2009		07/17/2009		07/17/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202								
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858								
95-47-6	o-Xylene	E624	ug/kg	NL								
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989								
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35								
98-82-8	Isopropylbenzene	E624	ug/kg	86								
100-01-6	4-Nitroaniline	E625	ug/kg	24300								
100-02-7	4-Nitrophenol	E625	ug/kg	NL								
100-52-7	Benzaldehyde	E625	ug/kg	782000								
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230								
105-60-2	Caprolactam	E625	ug/kg	3060000								
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29								
106-44-5	4-Methylphenol	E625	ug/kg	670								
106-47-8	4-Chloroaniline	E625	ug/kg	2430								
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570								
108-95-2	Phenol	E625	ug/kg	420								
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214								
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300								
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182								
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL								
118-74-1	Hexachlorobenzene	E625	ug/kg	20								
120-12-7	Anthracene	E625	ug/kg	46.9								
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117								
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6								
129-00-0	Pyrene	E625	ug/kg	153								
131-11-3	Dimethylphthalate	E625	ug/kg	NL								
132-64-9	Dibenzofuran	E625	ug/kg	7300								
1912-24-9	Atrazine	E625	ug/kg	6.62								
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170								
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17								
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148								
206-44-0	Fluoranthene	E625	ug/kg	113								
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240								

				sys_loc_code:	A73		A74		A75		A76	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A73 0-12		A74 0-12		A75 0-12		A76 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/17/2009		07/17/2009		07/17/2009		07/17/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
208-96-8	Acenaphthylene	E625	ug/kg	5.87								
218-01-9	Chrysene	E625	ug/kg	108								
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8								
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200								
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611								
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22								
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8								
58-90-2	Chlorophenols	E625	ug/kg	284								
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000								
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120								
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4								
67-72-1	Hexachloroethane	E625	ug/kg	804								
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL								
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139								
78-59-1	Isophorone	E625	ug/kg	511000								
83-32-9	Acenaphthene	E625	ug/kg	6.71								
84-66-2	Diethylphthalate	E625	ug/kg	218								
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160								
85-01-8	Phenanthrene	E625	ug/kg	86.7								
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800								
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100								
86-73-7	Fluorene	E625	ug/kg	19								
86-74-8	Carbazole	E625	ug/kg	NL								
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110								
87-86-5	Pentachlorophenol	E625	ug/kg	2970								
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650								
88-74-4	2-Nitroaniline	E625	ug/kg	60600								
88-75-5	2-Nitrophenol	E625	ug/kg	NL								
91-20-3	Naphthalene	E625	ug/kg	34.6								
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2								
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000								
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080								
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220								

				sys_loc_code:	A73		A74		A75		A76	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A73 0-12		A74 0-12		A75 0-12		A76 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/17/2009		07/17/2009		07/17/2009		07/17/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
95-48-7	2-Methylphenol	E625	ug/kg	306000								
95-57-8	2-Chlorophenol	E625	ug/kg	344								
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830								
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819								
98-86-2	Acetophenone	E625	ug/kg	782000								
98-95-3	Nitrobenzene	E625	ug/kg	4790								
99-09-2	3-Nitroaniline	E625	ug/kg	NL								

Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 1 Sediment Samples < 12 inches

				sys_loc_code:	A77		A78		A79		A8	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A77 0-12		A78 0-12		A79 0-12		A8 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/17/2009		07/17/2009		07/17/2009		07/01/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	C200.7	mg/kg	7740								
7439-89-6	Iron	C200.7	mg/kg	2000								
7439-92-1	Lead	C200.7	mg/kg	30.2								
7439-95-4	Magnesium	C200.7	mg/kg	NL								
7439-96-5	Manganese	C200.7	mg/kg	183								
7440-02-0	Nickel	C200.7	mg/kg	15.9								
7440-09-7	Potassium	C200.7	mg/kg	NL								
7440-22-4	Silver	C200.7	mg/kg	0.73								
7440-23-5	Sodium	C200.7	mg/kg	NL								
7440-28-0	Thallium	C200.7	mg/kg	100000								
7440-31-5	Tin	C200.7	mg/kg	NL								
7440-36-0	Antimony	C200.7	mg/kg	2								
7440-38-2	Arsenic	C200.7	mg/kg	0.389								
7440-39-3	Barium	C200.7	mg/kg	130.1								
7440-41-7	Beryllium	C200.7	mg/kg	15.6								
7440-43-9	Cadmium	C200.7	mg/kg	0.68								
7440-47-3	Chromium	C200.7	mg/kg	52.3								
7440-48-4	Cobalt	C200.7	mg/kg	2.34								
7440-50-8	Copper	C200.7	mg/kg	18.7								
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548								
7440-66-6	Zinc	C200.7	mg/kg	124								
7440-70-2	Calcium	C200.7	mg/kg	NL								
7782-49-2	Selenium	C200.7	mg/kg	2								
7429-90-5	Aluminum	E200.7	mg/kg	7740	1140		1280		1170		983	
7439-89-6	Iron	E200.7	mg/kg	2000	6330		9970		3150		14200	
7439-92-1	Lead	E200.7	mg/kg	30.2							16.4	R
7439-95-4	Magnesium	E200.7	mg/kg	NL	389	J	445	J	274	J	658	
7439-96-5	Manganese	E200.7	mg/kg	183							23.4	J
7440-02-0	Nickel	E200.7	mg/kg	15.9								
7440-09-7	Potassium	E200.7	mg/kg	NL	264	J	201	J	337	J	177	J
7440-22-4	Silver	E200.7	mg/kg	0.73								
7440-23-5	Sodium	E200.7	mg/kg	NL	1530	J	1780	J	762	J	2020	
7440-31-5	Tin	E200.7	mg/kg	NL								

Raritan Bay Slag Superfund Site
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Area 1 Sediment Samples < 12 inches

				sys_loc_code:	A77		A78		A79		A8	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A77 0-12		A78 0-12		A79 0-12		A8 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/17/2009		07/17/2009		07/17/2009		07/01/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7440-36-0	Antimony	E200.7	mg/kg	2								
7440-38-2	Arsenic	E200.7	mg/kg	0.389							12.3	
7440-47-3	Chromium	E200.7	mg/kg	52.3								
7440-50-8	Copper	E200.7	mg/kg	18.7							7.8	J
7440-66-6	Zinc	E200.7	mg/kg	124							44.2	
7440-70-2	Calcium	E200.7	mg/kg	NL	2000		1660		202	J	1240	J
7439-92-1	Lead	E200.8	mg/kg	30.2	15.7		107		190			
7439-96-5	Manganese	E200.8	mg/kg	183	13.3		21.2		15.7			
7440-02-0	Nickel	E200.8	mg/kg	15.9	1.8	J	2.9	J	0.84	J	4.1	J
7440-22-4	Silver	E200.8	mg/kg	0.73	0.29	UJ	0.31	UJ	0.31	UJ	0.28	UJ
7440-28-0	Thallium	E200.8	mg/kg	100000	0.58	U	0.63	U	0.62	U	0.56	U
7440-36-0	Antimony	E200.8	mg/kg	2	1.2	U	3.6		5.6		1.1	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389	0.95	J	4.9	J	3.6	J		
7440-39-3	Barium	E200.8	mg/kg	130.1	4.5	J	4.3	J	17.5		5.6	UJ
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.29	U	0.31	U	0.31	U	0.31	
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.091	J	0.11	J	0.078	J	0.28	U
7440-47-3	Chromium	E200.8	mg/kg	52.3	4.3	J	8.4	J	3.4	J	11.6	
7440-48-4	Cobalt	E200.8	mg/kg	2.34	0.83	J	1.3	J	0.62	UJ	2.2	J
7440-50-8	Copper	E200.8	mg/kg	18.7	17.2	J	13	J	10.6	J		
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	7.9	J	14.2	J	10.2	J	19.2	
7440-66-6	Zinc	E200.8	mg/kg	124	18.5		44.8		13.3			
7782-49-2	Selenium	E200.8	mg/kg	2	0.081	J	0.16	J	0.62	U	0.56	U
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.026	J	0.058		0.028	J	0.047	
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6								
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357								
309-00-2	Aldrin	CPEST	ug/kg	2								
319-84-6	Alpha-Bhc	CPEST	ug/kg	3								
319-85-7	Beta-Bhc	CPEST	ug/kg	3								
319-86-8	Delta-Bhc	CPEST	ug/kg	3								
33213-65-9	Endosulfan II	CPEST	ug/kg	14								
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19								
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7								
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7								

				sys_loc_code:	A77		A78		A79		A8	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A77 0-12		A78 0-12		A79 0-12		A8 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/17/2009		07/17/2009		07/17/2009		07/01/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL								
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32								
60-57-1	Dieldrin	CPEST	ug/kg	0.72								
72-20-8	Endrin	CPEST	ug/kg	2.67								
72-43-5	Methoxychlor	CPEST	ug/kg	29.6								
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22								
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07								
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL								
76-44-8	Heptachlor	CPEST	ug/kg	68								
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1								
959-98-8	Endosulfan I	CPEST	ug/kg	2.9								
11096-82-5	Aroclor 1260	E608	ug/kg	21.6								
11097-69-1	Aroclor 1254	E608	ug/kg	23								
11100-14-4	Aroclor 1268	E608	ug/kg	21.6								
11104-28-2	Aroclor 1221	E608	ug/kg	21.6								
11141-16-5	Aroclor 1232	E608	ug/kg	21.6								
12672-29-6	Aroclor 1248	E608	ug/kg	21.6								
12674-11-2	Aroclor 1016	E608	ug/kg	21.6								
37324-23-5	Aroclor 1262	E608	ug/kg	21.6								
53469-21-9	Aroclor 1242	E608	ug/kg	21.6								
100-41-4	Ethylbenzene	E624	ug/kg	305								
100-42-5	Styrene	E624	ug/kg	7070								
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL								
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL								
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460								
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7								
107-06-2	1,2-Dichloroethane	E624	ug/kg	432								
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000								
108-87-2	Methylcyclohexane	E624	ug/kg	NL								
108-88-3	Toluene	E624	ug/kg	1090								
108-90-7	Chlorobenzene	E624	ug/kg	162								
110-82-7	Cyclohexane	E624	ug/kg	117000								
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473								

				sys_loc_code:	A77		A78		A79		A8	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A77 0-12		A78 0-12		A79 0-12		A8 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/17/2009		07/17/2009		07/17/2009		07/01/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
123-91-1	1,4-Dioxane	E624	ug/kg	44100								
124-48-1	Dibromochloromethane	E624	ug/kg	680								
127-18-4	Tetrachloroethene	E624	ug/kg	190								
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200								
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300								
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300								
179601-23-1	m,p-Xylene	E624	ug/kg	NL								
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842								
56-23-5	Carbon tetrachloride	E624	ug/kg	248								
591-78-6	2-Hexanone	E624	ug/kg	20900								
67-64-1	Acetone	E624	ug/kg	6130000								
67-66-3	Chloroform	E624	ug/kg	295								
71-43-2	Benzene	E624	ug/kg	137								
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856								
74-83-9	Bromomethane	E624	ug/kg	732								
74-87-3	Chloromethane	E624	ug/kg	11900								
74-97-5	Bromochloromethane	E624	ug/kg	NL								
75-00-3	Chloroethane	E624	ug/kg	1450000								
75-01-4	Vinyl Chloride	E624	ug/kg	59.7								
75-09-2	Methylene chloride	E624	ug/kg	10700								
75-15-0	Carbon Disulfide	E624	ug/kg	0.851								
75-25-2	Bromoform	E624	ug/kg	1310								
75-27-4	Bromodichloromethane	E624	ug/kg	273								
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310								
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780								
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700								
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400								
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000								
78-87-5	1,2-Dichloropropane	E624	ug/kg	895								
78-93-3	2-Butanone	E624	ug/kg	2780000								
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570								
79-01-6	Trichloroethene	E624	ug/kg	1600								
79-20-9	Methyl Acetate	E624	ug/kg	7820000								

				sys_loc_code:	A77		A78		A79		A8	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A77 0-12		A78 0-12		A79 0-12		A8 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/17/2009		07/17/2009		07/17/2009		07/01/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202								
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858								
95-47-6	o-Xylene	E624	ug/kg	NL								
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989								
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35								
98-82-8	Isopropylbenzene	E624	ug/kg	86								
100-01-6	4-Nitroaniline	E625	ug/kg	24300								
100-02-7	4-Nitrophenol	E625	ug/kg	NL								
100-52-7	Benzaldehyde	E625	ug/kg	782000								
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230								
105-60-2	Caprolactam	E625	ug/kg	3060000								
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29								
106-44-5	4-Methylphenol	E625	ug/kg	670								
106-47-8	4-Chloroaniline	E625	ug/kg	2430								
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570								
108-95-2	Phenol	E625	ug/kg	420								
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214								
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300								
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182								
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL								
118-74-1	Hexachlorobenzene	E625	ug/kg	20								
120-12-7	Anthracene	E625	ug/kg	46.9								
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117								
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6								
129-00-0	Pyrene	E625	ug/kg	153								
131-11-3	Dimethylphthalate	E625	ug/kg	NL								
132-64-9	Dibenzofuran	E625	ug/kg	7300								
1912-24-9	Atrazine	E625	ug/kg	6.62								
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170								
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17								
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148								
206-44-0	Fluoranthene	E625	ug/kg	113								
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240								

				sys_loc_code:	A77		A78		A79		A8	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A77 0-12		A78 0-12		A79 0-12		A8 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/17/2009		07/17/2009		07/17/2009		07/01/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
208-96-8	Acenaphthylene	E625	ug/kg	5.87								
218-01-9	Chrysene	E625	ug/kg	108								
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8								
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200								
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611								
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22								
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8								
58-90-2	Chlorophenols	E625	ug/kg	284								
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000								
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120								
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4								
67-72-1	Hexachloroethane	E625	ug/kg	804								
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL								
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139								
78-59-1	Isophorone	E625	ug/kg	511000								
83-32-9	Acenaphthene	E625	ug/kg	6.71								
84-66-2	Diethylphthalate	E625	ug/kg	218								
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160								
85-01-8	Phenanthrene	E625	ug/kg	86.7								
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800								
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100								
86-73-7	Fluorene	E625	ug/kg	19								
86-74-8	Carbazole	E625	ug/kg	NL								
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110								
87-86-5	Pentachlorophenol	E625	ug/kg	2970								
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650								
88-74-4	2-Nitroaniline	E625	ug/kg	60600								
88-75-5	2-Nitrophenol	E625	ug/kg	NL								
91-20-3	Naphthalene	E625	ug/kg	34.6								
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2								
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000								
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080								
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220								

				sys_loc_code:	A77		A78		A79		A8	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A77 0-12		A78 0-12		A79 0-12		A8 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/17/2009		07/17/2009		07/17/2009		07/01/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
95-48-7	2-Methylphenol	E625	ug/kg	306000								
95-57-8	2-Chlorophenol	E625	ug/kg	344								
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830								
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819								
98-86-2	Acetophenone	E625	ug/kg	782000								
98-95-3	Nitrobenzene	E625	ug/kg	4790								
99-09-2	3-Nitroaniline	E625	ug/kg	NL								

Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 1 Sediment Samples < 12 inches

				sys_loc_code:	A80		A81		A82		A83	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A80 0-12		A81 0-12		A82 0-12		A83 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/17/2009		07/20/2009		07/20/2009		07/20/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	C200.7	mg/kg	7740								
7439-89-6	Iron	C200.7	mg/kg	2000								
7439-92-1	Lead	C200.7	mg/kg	30.2								
7439-95-4	Magnesium	C200.7	mg/kg	NL								
7439-96-5	Manganese	C200.7	mg/kg	183								
7440-02-0	Nickel	C200.7	mg/kg	15.9								
7440-09-7	Potassium	C200.7	mg/kg	NL								
7440-22-4	Silver	C200.7	mg/kg	0.73								
7440-23-5	Sodium	C200.7	mg/kg	NL								
7440-28-0	Thallium	C200.7	mg/kg	100000								
7440-31-5	Tin	C200.7	mg/kg	NL								
7440-36-0	Antimony	C200.7	mg/kg	2								
7440-38-2	Arsenic	C200.7	mg/kg	0.389								
7440-39-3	Barium	C200.7	mg/kg	130.1								
7440-41-7	Beryllium	C200.7	mg/kg	15.6								
7440-43-9	Cadmium	C200.7	mg/kg	0.68								
7440-47-3	Chromium	C200.7	mg/kg	52.3								
7440-48-4	Cobalt	C200.7	mg/kg	2.34								
7440-50-8	Copper	C200.7	mg/kg	18.7								
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548								
7440-66-6	Zinc	C200.7	mg/kg	124								
7440-70-2	Calcium	C200.7	mg/kg	NL								
7782-49-2	Selenium	C200.7	mg/kg	2								
7429-90-5	Aluminum	E200.7	mg/kg	7740	669		7070	J	2530	J	4280	J
7439-89-6	Iron	E200.7	mg/kg	2000	3330		21100	J	16500		12100	
7439-92-1	Lead	E200.7	mg/kg	30.2								
7439-95-4	Magnesium	E200.7	mg/kg	NL	164	J	2810	J	976		1790	
7439-96-5	Manganese	E200.7	mg/kg	183								
7440-02-0	Nickel	E200.7	mg/kg	15.9								
7440-09-7	Potassium	E200.7	mg/kg	NL	133	J	1690	J	662	U	925	
7440-22-4	Silver	E200.7	mg/kg	0.73								
7440-23-5	Sodium	E200.7	mg/kg	NL	559	UJ	3970	J	2040		3790	
7440-31-5	Tin	E200.7	mg/kg	NL								

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Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 1 Sediment Samples < 12 inches

				sys_loc_code:	A80		A81		A82		A83	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A80 0-12		A81 0-12		A82 0-12		A83 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/17/2009		07/20/2009		07/20/2009		07/20/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7440-36-0	Antimony	E200.7	mg/kg	2								
7440-38-2	Arsenic	E200.7	mg/kg	0.389								
7440-47-3	Chromium	E200.7	mg/kg	52.3								
7440-50-8	Copper	E200.7	mg/kg	18.7								
7440-66-6	Zinc	E200.7	mg/kg	124								
7440-70-2	Calcium	E200.7	mg/kg	NL	143	J	6090	J	1110		999	
7439-92-1	Lead	E200.8	mg/kg	30.2	41.1		15.7		22.9		12.5	
7439-96-5	Manganese	E200.8	mg/kg	183	11		191		94.2		123	
7440-02-0	Nickel	E200.8	mg/kg	15.9	1.1	J	14.8		7.1	J	8.6	J
7440-22-4	Silver	E200.8	mg/kg	0.73	0.31	UJ	0.38	UJ	0.33	U	0.37	U
7440-28-0	Thallium	E200.8	mg/kg	100000	0.63	U	0.76	U	0.66	U	0.75	U
7440-36-0	Antimony	E200.8	mg/kg	2	2.5		1.5	U	1.3	U	1.5	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389	2.4	J	14.3	J	14.6		13.7	
7440-39-3	Barium	E200.8	mg/kg	130.1	5.9	J	11.7	J	6.7	J	10.9	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.31	U	0.54		0.5		0.44	
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.035	J	0.38	U	0.28	J	0.1	J
7440-47-3	Chromium	E200.8	mg/kg	52.3	5	J	21.7		21		14.5	
7440-48-4	Cobalt	E200.8	mg/kg	2.34	0.63	UJ	4.7		2.5		3.2	
7440-50-8	Copper	E200.8	mg/kg	18.7	6.4	J	14.6		18.2		9.4	
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	10.3	J	36	J	62.6	J	21.7	J
7440-66-6	Zinc	E200.8	mg/kg	124	11.4		68.9		92.5	J	35.2	J
7782-49-2	Selenium	E200.8	mg/kg	2	0.11	J	1.3		0.59	J	0.71	J
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.038		0.14		0.16		0.1	
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6								
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357								
309-00-2	Aldrin	CPEST	ug/kg	2								
319-84-6	Alpha-Bhc	CPEST	ug/kg	3								
319-85-7	Beta-Bhc	CPEST	ug/kg	3								
319-86-8	Delta-Bhc	CPEST	ug/kg	3								
33213-65-9	Endosulfan II	CPEST	ug/kg	14								
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19								
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7								
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7								

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				sys_loc_code:	A80		A81		A82		A83	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A80 0-12		A81 0-12		A82 0-12		A83 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/17/2009		07/20/2009		07/20/2009		07/20/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL								
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32								
60-57-1	Dieldrin	CPEST	ug/kg	0.72								
72-20-8	Endrin	CPEST	ug/kg	2.67								
72-43-5	Methoxychlor	CPEST	ug/kg	29.6								
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22								
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07								
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL								
76-44-8	Heptachlor	CPEST	ug/kg	68								
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1								
959-98-8	Endosulfan I	CPEST	ug/kg	2.9								
11096-82-5	Aroclor 1260	E608	ug/kg	21.6								
11097-69-1	Aroclor 1254	E608	ug/kg	23								
11100-14-4	Aroclor 1268	E608	ug/kg	21.6								
11104-28-2	Aroclor 1221	E608	ug/kg	21.6								
11141-16-5	Aroclor 1232	E608	ug/kg	21.6								
12672-29-6	Aroclor 1248	E608	ug/kg	21.6								
12674-11-2	Aroclor 1016	E608	ug/kg	21.6								
37324-23-5	Aroclor 1262	E608	ug/kg	21.6								
53469-21-9	Aroclor 1242	E608	ug/kg	21.6								
100-41-4	Ethylbenzene	E624	ug/kg	305								
100-42-5	Styrene	E624	ug/kg	7070								
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL								
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL								
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460								
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7								
107-06-2	1,2-Dichloroethane	E624	ug/kg	432								
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000								
108-87-2	Methylcyclohexane	E624	ug/kg	NL								
108-88-3	Toluene	E624	ug/kg	1090								
108-90-7	Chlorobenzene	E624	ug/kg	162								
110-82-7	Cyclohexane	E624	ug/kg	117000								
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473								

				sys_loc_code:	A80		A81		A82		A83	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A80 0-12		A81 0-12		A82 0-12		A83 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/17/2009		07/20/2009		07/20/2009		07/20/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
123-91-1	1,4-Dioxane	E624	ug/kg	44100								
124-48-1	Dibromochloromethane	E624	ug/kg	680								
127-18-4	Tetrachloroethene	E624	ug/kg	190								
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200								
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300								
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300								
179601-23-1	m,p-Xylene	E624	ug/kg	NL								
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842								
56-23-5	Carbon tetrachloride	E624	ug/kg	248								
591-78-6	2-Hexanone	E624	ug/kg	20900								
67-64-1	Acetone	E624	ug/kg	6130000								
67-66-3	Chloroform	E624	ug/kg	295								
71-43-2	Benzene	E624	ug/kg	137								
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856								
74-83-9	Bromomethane	E624	ug/kg	732								
74-87-3	Chloromethane	E624	ug/kg	11900								
74-97-5	Bromochloromethane	E624	ug/kg	NL								
75-00-3	Chloroethane	E624	ug/kg	1450000								
75-01-4	Vinyl Chloride	E624	ug/kg	59.7								
75-09-2	Methylene chloride	E624	ug/kg	10700								
75-15-0	Carbon Disulfide	E624	ug/kg	0.851								
75-25-2	Bromoform	E624	ug/kg	1310								
75-27-4	Bromodichloromethane	E624	ug/kg	273								
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310								
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780								
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700								
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400								
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000								
78-87-5	1,2-Dichloropropane	E624	ug/kg	895								
78-93-3	2-Butanone	E624	ug/kg	2780000								
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570								
79-01-6	Trichloroethene	E624	ug/kg	1600								
79-20-9	Methyl Acetate	E624	ug/kg	7820000								

				sys_loc_code:	A80		A81		A82		A83	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A80 0-12		A81 0-12		A82 0-12		A83 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/17/2009		07/20/2009		07/20/2009		07/20/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202								
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858								
95-47-6	o-Xylene	E624	ug/kg	NL								
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989								
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35								
98-82-8	Isopropylbenzene	E624	ug/kg	86								
100-01-6	4-Nitroaniline	E625	ug/kg	24300								
100-02-7	4-Nitrophenol	E625	ug/kg	NL								
100-52-7	Benzaldehyde	E625	ug/kg	782000								
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230								
105-60-2	Caprolactam	E625	ug/kg	3060000								
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29								
106-44-5	4-Methylphenol	E625	ug/kg	670								
106-47-8	4-Chloroaniline	E625	ug/kg	2430								
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570								
108-95-2	Phenol	E625	ug/kg	420								
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214								
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300								
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182								
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL								
118-74-1	Hexachlorobenzene	E625	ug/kg	20								
120-12-7	Anthracene	E625	ug/kg	46.9								
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117								
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6								
129-00-0	Pyrene	E625	ug/kg	153								
131-11-3	Dimethylphthalate	E625	ug/kg	NL								
132-64-9	Dibenzofuran	E625	ug/kg	7300								
1912-24-9	Atrazine	E625	ug/kg	6.62								
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170								
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17								
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148								
206-44-0	Fluoranthene	E625	ug/kg	113								
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240								

				sys_loc_code:	A80		A81		A82		A83	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A80 0-12		A81 0-12		A82 0-12		A83 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/17/2009		07/20/2009		07/20/2009		07/20/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
208-96-8	Acenaphthylene	E625	ug/kg	5.87								
218-01-9	Chrysene	E625	ug/kg	108								
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8								
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200								
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611								
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22								
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8								
58-90-2	Chlorophenols	E625	ug/kg	284								
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000								
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120								
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4								
67-72-1	Hexachloroethane	E625	ug/kg	804								
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL								
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139								
78-59-1	Isophorone	E625	ug/kg	511000								
83-32-9	Acenaphthene	E625	ug/kg	6.71								
84-66-2	Diethylphthalate	E625	ug/kg	218								
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160								
85-01-8	Phenanthrene	E625	ug/kg	86.7								
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800								
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100								
86-73-7	Fluorene	E625	ug/kg	19								
86-74-8	Carbazole	E625	ug/kg	NL								
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110								
87-86-5	Pentachlorophenol	E625	ug/kg	2970								
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650								
88-74-4	2-Nitroaniline	E625	ug/kg	60600								
88-75-5	2-Nitrophenol	E625	ug/kg	NL								
91-20-3	Naphthalene	E625	ug/kg	34.6								
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2								
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000								
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080								
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220								

				sys_loc_code:	A80		A81		A82		A83	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A80 0-12		A81 0-12		A82 0-12		A83 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/17/2009		07/20/2009		07/20/2009		07/20/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
95-48-7	2-Methylphenol	E625	ug/kg	306000								
95-57-8	2-Chlorophenol	E625	ug/kg	344								
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830								
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819								
98-86-2	Acetophenone	E625	ug/kg	782000								
98-95-3	Nitrobenzene	E625	ug/kg	4790								
99-09-2	3-Nitroaniline	E625	ug/kg	NL								

Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 1 Sediment Samples < 12 inches

				sys_loc_code:	A84		A85		A86		A87	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A84 0-12		A85 0-12		A86 0-12		A87 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/20/2009		07/20/2009		07/20/2009		07/20/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	C200.7	mg/kg	7740								
7439-89-6	Iron	C200.7	mg/kg	2000								
7439-92-1	Lead	C200.7	mg/kg	30.2								
7439-95-4	Magnesium	C200.7	mg/kg	NL								
7439-96-5	Manganese	C200.7	mg/kg	183								
7440-02-0	Nickel	C200.7	mg/kg	15.9								
7440-09-7	Potassium	C200.7	mg/kg	NL								
7440-22-4	Silver	C200.7	mg/kg	0.73								
7440-23-5	Sodium	C200.7	mg/kg	NL								
7440-28-0	Thallium	C200.7	mg/kg	100000								
7440-31-5	Tin	C200.7	mg/kg	NL								
7440-36-0	Antimony	C200.7	mg/kg	2								
7440-38-2	Arsenic	C200.7	mg/kg	0.389								
7440-39-3	Barium	C200.7	mg/kg	130.1								
7440-41-7	Beryllium	C200.7	mg/kg	15.6								
7440-43-9	Cadmium	C200.7	mg/kg	0.68								
7440-47-3	Chromium	C200.7	mg/kg	52.3								
7440-48-4	Cobalt	C200.7	mg/kg	2.34								
7440-50-8	Copper	C200.7	mg/kg	18.7								
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548								
7440-66-6	Zinc	C200.7	mg/kg	124								
7440-70-2	Calcium	C200.7	mg/kg	NL								
7782-49-2	Selenium	C200.7	mg/kg	2								
7429-90-5	Aluminum	E200.7	mg/kg	7740	1340	J	2220	J	1570	J	1750	J
7439-89-6	Iron	E200.7	mg/kg	2000	7470		3230		7070		6670	
7439-92-1	Lead	E200.7	mg/kg	30.2								
7439-95-4	Magnesium	E200.7	mg/kg	NL	503	J	481	J	525	J	435	J
7439-96-5	Manganese	E200.7	mg/kg	183								
7440-02-0	Nickel	E200.7	mg/kg	15.9								
7440-09-7	Potassium	E200.7	mg/kg	NL	600	U	827		613	U	600	U
7440-22-4	Silver	E200.7	mg/kg	0.73								
7440-23-5	Sodium	E200.7	mg/kg	NL	1630		1730		1510		1110	
7440-31-5	Tin	E200.7	mg/kg	NL								

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				sys_loc_code:	A84		A85		A86		A87	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A84 0-12		A85 0-12		A86 0-12		A87 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/20/2009		07/20/2009		07/20/2009		07/20/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7440-36-0	Antimony	E200.7	mg/kg	2								
7440-38-2	Arsenic	E200.7	mg/kg	0.389								
7440-47-3	Chromium	E200.7	mg/kg	52.3								
7440-50-8	Copper	E200.7	mg/kg	18.7								
7440-66-6	Zinc	E200.7	mg/kg	124								
7440-70-2	Calcium	E200.7	mg/kg	NL	977		1710		2100		2030	
7439-92-1	Lead	E200.8	mg/kg	30.2	16.9	J	9		13	J	17.6	J
7439-96-5	Manganese	E200.8	mg/kg	183	18.5	J	14.9		21.1	J	25.3	J
7440-02-0	Nickel	E200.8	mg/kg	15.9	2.7	J	1.8	J	3.8	J	3.9	J
7440-22-4	Silver	E200.8	mg/kg	0.73	0.3	UJ	0.3	U	0.31	UJ	0.3	UJ
7440-28-0	Thallium	E200.8	mg/kg	100000	0.6	UJ	0.6	U	0.61	UJ	0.6	UJ
7440-36-0	Antimony	E200.8	mg/kg	2	1.2	UJ	1.2	U	1.2	UJ	1.2	UJ
7440-38-2	Arsenic	E200.8	mg/kg	0.389	5.5	J	3.1		7.7	J	7.9	J
7440-39-3	Barium	E200.8	mg/kg	130.1	4.2	J	7.2	J	6.1	J	27.9	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.13	J	0.095	J	0.23	J	0.51	J
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.11	J	0.057	J	0.14	J	0.097	J
7440-47-3	Chromium	E200.8	mg/kg	52.3	9.2	J	7.6		12.9	J	14	J
7440-48-4	Cobalt	E200.8	mg/kg	2.34	1.2	J	0.52	J	0.9	J	1.6	J
7440-50-8	Copper	E200.8	mg/kg	18.7	7.8	J	7		11.2	J	17.1	J
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	14	J	10.4	J	26.3	J	20.3	J
7440-66-6	Zinc	E200.8	mg/kg	124	30.2	J	15.8	J	30.7	J	35.7	J
7782-49-2	Selenium	E200.8	mg/kg	2	0.36	J	0.4	J	0.85	J	0.78	J
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.086	J	0.06		0.11	J	0.092	J
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6								
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357								
309-00-2	Aldrin	CPEST	ug/kg	2								
319-84-6	Alpha-Bhc	CPEST	ug/kg	3								
319-85-7	Beta-Bhc	CPEST	ug/kg	3								
319-86-8	Delta-Bhc	CPEST	ug/kg	3								
33213-65-9	Endosulfan II	CPEST	ug/kg	14								
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19								
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7								
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7								

				sys_loc_code:	A84		A85		A86		A87	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A84 0-12		A85 0-12		A86 0-12		A87 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/20/2009		07/20/2009		07/20/2009		07/20/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL								
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32								
60-57-1	Dieldrin	CPEST	ug/kg	0.72								
72-20-8	Endrin	CPEST	ug/kg	2.67								
72-43-5	Methoxychlor	CPEST	ug/kg	29.6								
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22								
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07								
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL								
76-44-8	Heptachlor	CPEST	ug/kg	68								
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1								
959-98-8	Endosulfan I	CPEST	ug/kg	2.9								
11096-82-5	Aroclor 1260	E608	ug/kg	21.6								
11097-69-1	Aroclor 1254	E608	ug/kg	23								
11100-14-4	Aroclor 1268	E608	ug/kg	21.6								
11104-28-2	Aroclor 1221	E608	ug/kg	21.6								
11141-16-5	Aroclor 1232	E608	ug/kg	21.6								
12672-29-6	Aroclor 1248	E608	ug/kg	21.6								
12674-11-2	Aroclor 1016	E608	ug/kg	21.6								
37324-23-5	Aroclor 1262	E608	ug/kg	21.6								
53469-21-9	Aroclor 1242	E608	ug/kg	21.6								
100-41-4	Ethylbenzene	E624	ug/kg	305								
100-42-5	Styrene	E624	ug/kg	7070								
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL								
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL								
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460								
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7								
107-06-2	1,2-Dichloroethane	E624	ug/kg	432								
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000								
108-87-2	Methylcyclohexane	E624	ug/kg	NL								
108-88-3	Toluene	E624	ug/kg	1090								
108-90-7	Chlorobenzene	E624	ug/kg	162								
110-82-7	Cyclohexane	E624	ug/kg	117000								
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473								

				sys_loc_code:	A84		A85		A86		A87	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A84 0-12		A85 0-12		A86 0-12		A87 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/20/2009		07/20/2009		07/20/2009		07/20/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
123-91-1	1,4-Dioxane	E624	ug/kg	44100								
124-48-1	Dibromochloromethane	E624	ug/kg	680								
127-18-4	Tetrachloroethene	E624	ug/kg	190								
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200								
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300								
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300								
179601-23-1	m,p-Xylene	E624	ug/kg	NL								
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842								
56-23-5	Carbon tetrachloride	E624	ug/kg	248								
591-78-6	2-Hexanone	E624	ug/kg	20900								
67-64-1	Acetone	E624	ug/kg	6130000								
67-66-3	Chloroform	E624	ug/kg	295								
71-43-2	Benzene	E624	ug/kg	137								
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856								
74-83-9	Bromomethane	E624	ug/kg	732								
74-87-3	Chloromethane	E624	ug/kg	11900								
74-97-5	Bromochloromethane	E624	ug/kg	NL								
75-00-3	Chloroethane	E624	ug/kg	1450000								
75-01-4	Vinyl Chloride	E624	ug/kg	59.7								
75-09-2	Methylene chloride	E624	ug/kg	10700								
75-15-0	Carbon Disulfide	E624	ug/kg	0.851								
75-25-2	Bromoform	E624	ug/kg	1310								
75-27-4	Bromodichloromethane	E624	ug/kg	273								
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310								
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780								
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700								
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400								
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000								
78-87-5	1,2-Dichloropropane	E624	ug/kg	895								
78-93-3	2-Butanone	E624	ug/kg	2780000								
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570								
79-01-6	Trichloroethene	E624	ug/kg	1600								
79-20-9	Methyl Acetate	E624	ug/kg	7820000								

				sys_loc_code:	A84		A85		A86		A87	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A84 0-12		A85 0-12		A86 0-12		A87 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/20/2009		07/20/2009		07/20/2009		07/20/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202								
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858								
95-47-6	o-Xylene	E624	ug/kg	NL								
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989								
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35								
98-82-8	Isopropylbenzene	E624	ug/kg	86								
100-01-6	4-Nitroaniline	E625	ug/kg	24300								
100-02-7	4-Nitrophenol	E625	ug/kg	NL								
100-52-7	Benzaldehyde	E625	ug/kg	782000								
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230								
105-60-2	Caprolactam	E625	ug/kg	3060000								
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29								
106-44-5	4-Methylphenol	E625	ug/kg	670								
106-47-8	4-Chloroaniline	E625	ug/kg	2430								
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570								
108-95-2	Phenol	E625	ug/kg	420								
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214								
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300								
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182								
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL								
118-74-1	Hexachlorobenzene	E625	ug/kg	20								
120-12-7	Anthracene	E625	ug/kg	46.9								
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117								
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6								
129-00-0	Pyrene	E625	ug/kg	153								
131-11-3	Dimethylphthalate	E625	ug/kg	NL								
132-64-9	Dibenzofuran	E625	ug/kg	7300								
1912-24-9	Atrazine	E625	ug/kg	6.62								
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170								
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17								
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148								
206-44-0	Fluoranthene	E625	ug/kg	113								
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240								

				sys_loc_code:	A84		A85		A86		A87	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A84 0-12		A85 0-12		A86 0-12		A87 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/20/2009		07/20/2009		07/20/2009		07/20/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
208-96-8	Acenaphthylene	E625	ug/kg	5.87								
218-01-9	Chrysene	E625	ug/kg	108								
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8								
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200								
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611								
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22								
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8								
58-90-2	Chlorophenols	E625	ug/kg	284								
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000								
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120								
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4								
67-72-1	Hexachloroethane	E625	ug/kg	804								
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL								
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139								
78-59-1	Isophorone	E625	ug/kg	511000								
83-32-9	Acenaphthene	E625	ug/kg	6.71								
84-66-2	Diethylphthalate	E625	ug/kg	218								
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160								
85-01-8	Phenanthrene	E625	ug/kg	86.7								
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800								
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100								
86-73-7	Fluorene	E625	ug/kg	19								
86-74-8	Carbazole	E625	ug/kg	NL								
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110								
87-86-5	Pentachlorophenol	E625	ug/kg	2970								
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650								
88-74-4	2-Nitroaniline	E625	ug/kg	60600								
88-75-5	2-Nitrophenol	E625	ug/kg	NL								
91-20-3	Naphthalene	E625	ug/kg	34.6								
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2								
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000								
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080								
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220								

				sys_loc_code:	A84		A85		A86		A87	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A84 0-12		A85 0-12		A86 0-12		A87 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/20/2009		07/20/2009		07/20/2009		07/20/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
95-48-7	2-Methylphenol	E625	ug/kg	306000								
95-57-8	2-Chlorophenol	E625	ug/kg	344								
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830								
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819								
98-86-2	Acetophenone	E625	ug/kg	782000								
98-95-3	Nitrobenzene	E625	ug/kg	4790								
99-09-2	3-Nitroaniline	E625	ug/kg	NL								

Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 1 Sediment Samples < 12 inches

				sys_loc_code:	A88		A89		A9		A90	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A88 0-12		A89 0-12		A9 0-12		A90 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/20/2009		07/20/2009		07/01/2009		07/20/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	C200.7	mg/kg	7740								
7439-89-6	Iron	C200.7	mg/kg	2000								
7439-92-1	Lead	C200.7	mg/kg	30.2								
7439-95-4	Magnesium	C200.7	mg/kg	NL								
7439-96-5	Manganese	C200.7	mg/kg	183								
7440-02-0	Nickel	C200.7	mg/kg	15.9								
7440-09-7	Potassium	C200.7	mg/kg	NL								
7440-22-4	Silver	C200.7	mg/kg	0.73								
7440-23-5	Sodium	C200.7	mg/kg	NL								
7440-28-0	Thallium	C200.7	mg/kg	100000								
7440-31-5	Tin	C200.7	mg/kg	NL								
7440-36-0	Antimony	C200.7	mg/kg	2								
7440-38-2	Arsenic	C200.7	mg/kg	0.389								
7440-39-3	Barium	C200.7	mg/kg	130.1								
7440-41-7	Beryllium	C200.7	mg/kg	15.6								
7440-43-9	Cadmium	C200.7	mg/kg	0.68								
7440-47-3	Chromium	C200.7	mg/kg	52.3								
7440-48-4	Cobalt	C200.7	mg/kg	2.34								
7440-50-8	Copper	C200.7	mg/kg	18.7								
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548								
7440-66-6	Zinc	C200.7	mg/kg	124								
7440-70-2	Calcium	C200.7	mg/kg	NL								
7782-49-2	Selenium	C200.7	mg/kg	2								
7429-90-5	Aluminum	E200.7	mg/kg	7740	1830	J	5450	J	1310		2150	J
7439-89-6	Iron	E200.7	mg/kg	2000	4180	J	16600	J	24000		9380	J
7439-92-1	Lead	E200.7	mg/kg	30.2					22.9	R		
7439-95-4	Magnesium	E200.7	mg/kg	NL	405	J	630		529		484	J
7439-96-5	Manganese	E200.7	mg/kg	183					38.2	J		
7440-02-0	Nickel	E200.7	mg/kg	15.9								
7440-09-7	Potassium	E200.7	mg/kg	NL	227	J	635		151	J	319	J
7440-22-4	Silver	E200.7	mg/kg	0.73								
7440-23-5	Sodium	E200.7	mg/kg	NL	1230	J	1650	J	1590		1260	J
7440-31-5	Tin	E200.7	mg/kg	NL								

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Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 1 Sediment Samples < 12 inches

				sys_loc_code:	A88		A89		A9		A90	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A88 0-12		A89 0-12		A9 0-12		A90 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/20/2009		07/20/2009		07/01/2009		07/20/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7440-36-0	Antimony	E200.7	mg/kg	2								
7440-38-2	Arsenic	E200.7	mg/kg	0.389					8.7			
7440-47-3	Chromium	E200.7	mg/kg	52.3								
7440-50-8	Copper	E200.7	mg/kg	18.7					19.8			
7440-66-6	Zinc	E200.7	mg/kg	124					50.8			
7440-70-2	Calcium	E200.7	mg/kg	NL	620		1820		953		3480	
7439-92-1	Lead	E200.8	mg/kg	30.2	8.1		10.3				14.2	
7439-96-5	Manganese	E200.8	mg/kg	183	14.6		18.1				47.7	
7440-02-0	Nickel	E200.8	mg/kg	15.9	3.8	J	2.6	J	3.2	J	5.5	J
7440-22-4	Silver	E200.8	mg/kg	0.73	0.3	U	0.31	U	0.29	UJ	0.3	U
7440-28-0	Thallium	E200.8	mg/kg	100000	0.6	U	0.63	U	0.58	U	0.6	U
7440-36-0	Antimony	E200.8	mg/kg	2	1.2	U	1.3	U	1.2	U	1.2	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389	4.8	J	7.1	J			9.9	J
7440-39-3	Barium	E200.8	mg/kg	130.1	4.9	J	7.7	J	5.8	UJ	3.1	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.13	J	0.59		0.37		0.3	J
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.11	J	0.051	J	0.29	U	0.11	J
7440-47-3	Chromium	E200.8	mg/kg	52.3	4.6		13.4		14.5		9.2	
7440-48-4	Cobalt	E200.8	mg/kg	2.34	0.78		1		1.3	J	1.9	
7440-50-8	Copper	E200.8	mg/kg	18.7	5.9		5.6				8.7	
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	12.1	J	39.7	J	21.6		18.8	J
7440-66-6	Zinc	E200.8	mg/kg	124	29.7		27.6				41.3	
7782-49-2	Selenium	E200.8	mg/kg	2	0.48	J	0.39	J	0.58	U	0.65	
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.054	J	0.04	J	0.026	J	0.086	J
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6								
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357								
309-00-2	Aldrin	CPEST	ug/kg	2								
319-84-6	Alpha-Bhc	CPEST	ug/kg	3								
319-85-7	Beta-Bhc	CPEST	ug/kg	3								
319-86-8	Delta-Bhc	CPEST	ug/kg	3								
33213-65-9	Endosulfan II	CPEST	ug/kg	14								
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19								
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7								
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7								

				sys_loc_code:	A88		A89		A9		A90	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A88 0-12		A89 0-12		A9 0-12		A90 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/20/2009		07/20/2009		07/01/2009		07/20/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL								
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32								
60-57-1	Dieldrin	CPEST	ug/kg	0.72								
72-20-8	Endrin	CPEST	ug/kg	2.67								
72-43-5	Methoxychlor	CPEST	ug/kg	29.6								
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22								
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07								
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL								
76-44-8	Heptachlor	CPEST	ug/kg	68								
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1								
959-98-8	Endosulfan I	CPEST	ug/kg	2.9								
11096-82-5	Aroclor 1260	E608	ug/kg	21.6								
11097-69-1	Aroclor 1254	E608	ug/kg	23								
11100-14-4	Aroclor 1268	E608	ug/kg	21.6								
11104-28-2	Aroclor 1221	E608	ug/kg	21.6								
11141-16-5	Aroclor 1232	E608	ug/kg	21.6								
12672-29-6	Aroclor 1248	E608	ug/kg	21.6								
12674-11-2	Aroclor 1016	E608	ug/kg	21.6								
37324-23-5	Aroclor 1262	E608	ug/kg	21.6								
53469-21-9	Aroclor 1242	E608	ug/kg	21.6								
100-41-4	Ethylbenzene	E624	ug/kg	305								
100-42-5	Styrene	E624	ug/kg	7070								
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL								
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL								
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460								
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7								
107-06-2	1,2-Dichloroethane	E624	ug/kg	432								
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000								
108-87-2	Methylcyclohexane	E624	ug/kg	NL								
108-88-3	Toluene	E624	ug/kg	1090								
108-90-7	Chlorobenzene	E624	ug/kg	162								
110-82-7	Cyclohexane	E624	ug/kg	117000								
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473								

				sys_loc_code:	A88		A89		A9		A90	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A88 0-12		A89 0-12		A9 0-12		A90 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/20/2009		07/20/2009		07/01/2009		07/20/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
123-91-1	1,4-Dioxane	E624	ug/kg	44100								
124-48-1	Dibromochloromethane	E624	ug/kg	680								
127-18-4	Tetrachloroethene	E624	ug/kg	190								
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200								
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300								
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300								
179601-23-1	m,p-Xylene	E624	ug/kg	NL								
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842								
56-23-5	Carbon tetrachloride	E624	ug/kg	248								
591-78-6	2-Hexanone	E624	ug/kg	20900								
67-64-1	Acetone	E624	ug/kg	6130000								
67-66-3	Chloroform	E624	ug/kg	295								
71-43-2	Benzene	E624	ug/kg	137								
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856								
74-83-9	Bromomethane	E624	ug/kg	732								
74-87-3	Chloromethane	E624	ug/kg	11900								
74-97-5	Bromochloromethane	E624	ug/kg	NL								
75-00-3	Chloroethane	E624	ug/kg	1450000								
75-01-4	Vinyl Chloride	E624	ug/kg	59.7								
75-09-2	Methylene chloride	E624	ug/kg	10700								
75-15-0	Carbon Disulfide	E624	ug/kg	0.851								
75-25-2	Bromoform	E624	ug/kg	1310								
75-27-4	Bromodichloromethane	E624	ug/kg	273								
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310								
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780								
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700								
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400								
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000								
78-87-5	1,2-Dichloropropane	E624	ug/kg	895								
78-93-3	2-Butanone	E624	ug/kg	2780000								
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570								
79-01-6	Trichloroethene	E624	ug/kg	1600								
79-20-9	Methyl Acetate	E624	ug/kg	7820000								

				sys_loc_code:	A88		A89		A9		A90	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A88 0-12		A89 0-12		A9 0-12		A90 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/20/2009		07/20/2009		07/01/2009		07/20/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202								
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858								
95-47-6	o-Xylene	E624	ug/kg	NL								
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989								
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35								
98-82-8	Isopropylbenzene	E624	ug/kg	86								
100-01-6	4-Nitroaniline	E625	ug/kg	24300								
100-02-7	4-Nitrophenol	E625	ug/kg	NL								
100-52-7	Benzaldehyde	E625	ug/kg	782000								
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230								
105-60-2	Caprolactam	E625	ug/kg	3060000								
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29								
106-44-5	4-Methylphenol	E625	ug/kg	670								
106-47-8	4-Chloroaniline	E625	ug/kg	2430								
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570								
108-95-2	Phenol	E625	ug/kg	420								
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214								
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300								
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182								
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL								
118-74-1	Hexachlorobenzene	E625	ug/kg	20								
120-12-7	Anthracene	E625	ug/kg	46.9								
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117								
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6								
129-00-0	Pyrene	E625	ug/kg	153								
131-11-3	Dimethylphthalate	E625	ug/kg	NL								
132-64-9	Dibenzofuran	E625	ug/kg	7300								
1912-24-9	Atrazine	E625	ug/kg	6.62								
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170								
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17								
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148								
206-44-0	Fluoranthene	E625	ug/kg	113								
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240								

				sys_loc_code:	A88		A89		A9		A90	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A88 0-12		A89 0-12		A9 0-12		A90 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/20/2009		07/20/2009		07/01/2009		07/20/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
208-96-8	Acenaphthylene	E625	ug/kg	5.87								
218-01-9	Chrysene	E625	ug/kg	108								
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8								
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200								
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611								
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22								
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8								
58-90-2	Chlorophenols	E625	ug/kg	284								
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000								
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120								
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4								
67-72-1	Hexachloroethane	E625	ug/kg	804								
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL								
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139								
78-59-1	Isophorone	E625	ug/kg	511000								
83-32-9	Acenaphthene	E625	ug/kg	6.71								
84-66-2	Diethylphthalate	E625	ug/kg	218								
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160								
85-01-8	Phenanthrene	E625	ug/kg	86.7								
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800								
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100								
86-73-7	Fluorene	E625	ug/kg	19								
86-74-8	Carbazole	E625	ug/kg	NL								
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110								
87-86-5	Pentachlorophenol	E625	ug/kg	2970								
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650								
88-74-4	2-Nitroaniline	E625	ug/kg	60600								
88-75-5	2-Nitrophenol	E625	ug/kg	NL								
91-20-3	Naphthalene	E625	ug/kg	34.6								
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2								
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000								
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080								
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220								

				sys_loc_code:	A88		A89		A9		A90	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A88 0-12		A89 0-12		A9 0-12		A90 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/20/2009		07/20/2009		07/01/2009		07/20/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
95-48-7	2-Methylphenol	E625	ug/kg	306000								
95-57-8	2-Chlorophenol	E625	ug/kg	344								
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830								
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819								
98-86-2	Acetophenone	E625	ug/kg	782000								
98-95-3	Nitrobenzene	E625	ug/kg	4790								
99-09-2	3-Nitroaniline	E625	ug/kg	NL								

Raritan Bay Slag Superfund Site
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Area 1 Sediment Samples < 12 inches

				sys_loc_code:	A91		A92		A93		A94	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A91 0-12		A92 0-12		A93 0-12		A94 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/20/2009		07/17/2009		07/20/2009		07/20/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	C200.7	mg/kg	7740								
7439-89-6	Iron	C200.7	mg/kg	2000								
7439-92-1	Lead	C200.7	mg/kg	30.2								
7439-95-4	Magnesium	C200.7	mg/kg	NL								
7439-96-5	Manganese	C200.7	mg/kg	183								
7440-02-0	Nickel	C200.7	mg/kg	15.9								
7440-09-7	Potassium	C200.7	mg/kg	NL								
7440-22-4	Silver	C200.7	mg/kg	0.73								
7440-23-5	Sodium	C200.7	mg/kg	NL								
7440-28-0	Thallium	C200.7	mg/kg	100000								
7440-31-5	Tin	C200.7	mg/kg	NL								
7440-36-0	Antimony	C200.7	mg/kg	2								
7440-38-2	Arsenic	C200.7	mg/kg	0.389								
7440-39-3	Barium	C200.7	mg/kg	130.1								
7440-41-7	Beryllium	C200.7	mg/kg	15.6								
7440-43-9	Cadmium	C200.7	mg/kg	0.68								
7440-47-3	Chromium	C200.7	mg/kg	52.3								
7440-48-4	Cobalt	C200.7	mg/kg	2.34								
7440-50-8	Copper	C200.7	mg/kg	18.7								
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548								
7440-66-6	Zinc	C200.7	mg/kg	124								
7440-70-2	Calcium	C200.7	mg/kg	NL								
7782-49-2	Selenium	C200.7	mg/kg	2								
7429-90-5	Aluminum	E200.7	mg/kg	7740	1730	J	1280	J	1390	J	2310	J
7439-89-6	Iron	E200.7	mg/kg	2000	6060	J	9390	J	5720	J	7450	J
7439-92-1	Lead	E200.7	mg/kg	30.2								
7439-95-4	Magnesium	E200.7	mg/kg	NL	622	UJ	531	J	676	J	532	J
7439-96-5	Manganese	E200.7	mg/kg	183								
7440-02-0	Nickel	E200.7	mg/kg	15.9								
7440-09-7	Potassium	E200.7	mg/kg	NL	622	U	203	J	643	U	608	U
7440-22-4	Silver	E200.7	mg/kg	0.73								
7440-23-5	Sodium	E200.7	mg/kg	NL	1690		1990	J	2550		1530	
7440-31-5	Tin	E200.7	mg/kg	NL								

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Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
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Area 1 Sediment Samples < 12 inches

				sys_loc_code:	A91		A92		A93		A94	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A91 0-12		A92 0-12		A93 0-12		A94 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/20/2009		07/17/2009		07/20/2009		07/20/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7440-36-0	Antimony	E200.7	mg/kg	2								
7440-38-2	Arsenic	E200.7	mg/kg	0.389								
7440-47-3	Chromium	E200.7	mg/kg	52.3								
7440-50-8	Copper	E200.7	mg/kg	18.7								
7440-66-6	Zinc	E200.7	mg/kg	124								
7440-70-2	Calcium	E200.7	mg/kg	NL	1390		490	J	42900		217	J
7439-92-1	Lead	E200.8	mg/kg	30.2	12.2		30.2		45.5		17.8	
7439-96-5	Manganese	E200.8	mg/kg	183	15.4	J	34.6	J	23.9	J	25.2	J
7440-02-0	Nickel	E200.8	mg/kg	15.9	3.1		2.8		3		2.3	
7440-22-4	Silver	E200.8	mg/kg	0.73	0.31	UJ	0.31	U	0.32	UJ	0.3	UJ
7440-28-0	Thallium	E200.8	mg/kg	100000	0.62	U	0.61	UJ	0.64	U	0.61	U
7440-36-0	Antimony	E200.8	mg/kg	2	1.2	U	1.2	U	1.7		1.2	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389	4.8	J	3.8		5	J	5.9	J
7440-39-3	Barium	E200.8	mg/kg	130.1	6.2	UJ	3.8	J	6.4	UJ	6.1	UJ
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.15	J	0.31	U	0.42		0.38	
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.31	U	0.096	J	0.32	U	0.3	U
7440-47-3	Chromium	E200.8	mg/kg	52.3	7.6		7.5	J	9.4		25	
7440-48-4	Cobalt	E200.8	mg/kg	2.34	0.85		1.1		1.9		0.73	
7440-50-8	Copper	E200.8	mg/kg	18.7	7.5		8.5	J	8.8		10	
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	10.3	J	15.4	J	30.3	J	31.6	J
7440-66-6	Zinc	E200.8	mg/kg	124	30.7		37.3		32.4		22.7	
7782-49-2	Selenium	E200.8	mg/kg	2	0.5	J	0.22	J	0.41	J	0.36	J
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.078		0.061		0.072		0.068	
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6								
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357								
309-00-2	Aldrin	CPEST	ug/kg	2								
319-84-6	Alpha-Bhc	CPEST	ug/kg	3								
319-85-7	Beta-Bhc	CPEST	ug/kg	3								
319-86-8	Delta-Bhc	CPEST	ug/kg	3								
33213-65-9	Endosulfan II	CPEST	ug/kg	14								
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19								
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7								
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7								

				sys_loc_code:	A91		A92		A93		A94	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A91 0-12		A92 0-12		A93 0-12		A94 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/20/2009		07/17/2009		07/20/2009		07/20/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL								
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32								
60-57-1	Dieldrin	CPEST	ug/kg	0.72								
72-20-8	Endrin	CPEST	ug/kg	2.67								
72-43-5	Methoxychlor	CPEST	ug/kg	29.6								
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22								
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07								
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL								
76-44-8	Heptachlor	CPEST	ug/kg	68								
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1								
959-98-8	Endosulfan I	CPEST	ug/kg	2.9								
11096-82-5	Aroclor 1260	E608	ug/kg	21.6								
11097-69-1	Aroclor 1254	E608	ug/kg	23								
11100-14-4	Aroclor 1268	E608	ug/kg	21.6								
11104-28-2	Aroclor 1221	E608	ug/kg	21.6								
11141-16-5	Aroclor 1232	E608	ug/kg	21.6								
12672-29-6	Aroclor 1248	E608	ug/kg	21.6								
12674-11-2	Aroclor 1016	E608	ug/kg	21.6								
37324-23-5	Aroclor 1262	E608	ug/kg	21.6								
53469-21-9	Aroclor 1242	E608	ug/kg	21.6								
100-41-4	Ethylbenzene	E624	ug/kg	305								
100-42-5	Styrene	E624	ug/kg	7070								
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL								
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL								
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460								
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7								
107-06-2	1,2-Dichloroethane	E624	ug/kg	432								
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000								
108-87-2	Methylcyclohexane	E624	ug/kg	NL								
108-88-3	Toluene	E624	ug/kg	1090								
108-90-7	Chlorobenzene	E624	ug/kg	162								
110-82-7	Cyclohexane	E624	ug/kg	117000								
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473								

				sys_loc_code:	A91		A92		A93		A94	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A91 0-12		A92 0-12		A93 0-12		A94 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/20/2009		07/17/2009		07/20/2009		07/20/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
123-91-1	1,4-Dioxane	E624	ug/kg	44100								
124-48-1	Dibromochloromethane	E624	ug/kg	680								
127-18-4	Tetrachloroethene	E624	ug/kg	190								
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200								
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300								
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300								
179601-23-1	m,p-Xylene	E624	ug/kg	NL								
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842								
56-23-5	Carbon tetrachloride	E624	ug/kg	248								
591-78-6	2-Hexanone	E624	ug/kg	20900								
67-64-1	Acetone	E624	ug/kg	6130000								
67-66-3	Chloroform	E624	ug/kg	295								
71-43-2	Benzene	E624	ug/kg	137								
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74-83-9	Bromomethane	E624	ug/kg	732								
74-87-3	Chloromethane	E624	ug/kg	11900								
74-97-5	Bromochloromethane	E624	ug/kg	NL								
75-00-3	Chloroethane	E624	ug/kg	1450000								
75-01-4	Vinyl Chloride	E624	ug/kg	59.7								
75-09-2	Methylene chloride	E624	ug/kg	10700								
75-15-0	Carbon Disulfide	E624	ug/kg	0.851								
75-25-2	Bromoform	E624	ug/kg	1310								
75-27-4	Bromodichloromethane	E624	ug/kg	273								
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310								
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780								
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700								
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400								
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000								
78-87-5	1,2-Dichloropropane	E624	ug/kg	895								
78-93-3	2-Butanone	E624	ug/kg	2780000								
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570								
79-01-6	Trichloroethene	E624	ug/kg	1600								
79-20-9	Methyl Acetate	E624	ug/kg	7820000								

				sys_loc_code:	A91		A92		A93		A94	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A91 0-12		A92 0-12		A93 0-12		A94 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/20/2009		07/17/2009		07/20/2009		07/20/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202								
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858								
95-47-6	o-Xylene	E624	ug/kg	NL								
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989								
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35								
98-82-8	Isopropylbenzene	E624	ug/kg	86								
100-01-6	4-Nitroaniline	E625	ug/kg	24300								
100-02-7	4-Nitrophenol	E625	ug/kg	NL								
100-52-7	Benzaldehyde	E625	ug/kg	782000								
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230								
105-60-2	Caprolactam	E625	ug/kg	3060000								
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29								
106-44-5	4-Methylphenol	E625	ug/kg	670								
106-47-8	4-Chloroaniline	E625	ug/kg	2430								
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570								
108-95-2	Phenol	E625	ug/kg	420								
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214								
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300								
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182								
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL								
118-74-1	Hexachlorobenzene	E625	ug/kg	20								
120-12-7	Anthracene	E625	ug/kg	46.9								
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117								
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6								
129-00-0	Pyrene	E625	ug/kg	153								
131-11-3	Dimethylphthalate	E625	ug/kg	NL								
132-64-9	Dibenzofuran	E625	ug/kg	7300								
1912-24-9	Atrazine	E625	ug/kg	6.62								
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170								
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17								
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148								
206-44-0	Fluoranthene	E625	ug/kg	113								
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240								

				sys_loc_code:	A91		A92		A93		A94	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A91 0-12		A92 0-12		A93 0-12		A94 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/20/2009		07/17/2009		07/20/2009		07/20/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
208-96-8	Acenaphthylene	E625	ug/kg	5.87								
218-01-9	Chrysene	E625	ug/kg	108								
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8								
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200								
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611								
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22								
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8								
58-90-2	Chlorophenols	E625	ug/kg	284								
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000								
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120								
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4								
67-72-1	Hexachloroethane	E625	ug/kg	804								
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL								
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139								
78-59-1	Isophorone	E625	ug/kg	511000								
83-32-9	Acenaphthene	E625	ug/kg	6.71								
84-66-2	Diethylphthalate	E625	ug/kg	218								
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160								
85-01-8	Phenanthrene	E625	ug/kg	86.7								
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800								
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100								
86-73-7	Fluorene	E625	ug/kg	19								
86-74-8	Carbazole	E625	ug/kg	NL								
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110								
87-86-5	Pentachlorophenol	E625	ug/kg	2970								
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650								
88-74-4	2-Nitroaniline	E625	ug/kg	60600								
88-75-5	2-Nitrophenol	E625	ug/kg	NL								
91-20-3	Naphthalene	E625	ug/kg	34.6								
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2								
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000								
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080								
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220								

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				sys_loc_code:	A91		A92		A93		A94	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A91 0-12		A92 0-12		A93 0-12		A94 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/20/2009		07/17/2009		07/20/2009		07/20/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
95-48-7	2-Methylphenol	E625	ug/kg	306000								
95-57-8	2-Chlorophenol	E625	ug/kg	344								
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830								
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819								
98-86-2	Acetophenone	E625	ug/kg	782000								
98-95-3	Nitrobenzene	E625	ug/kg	4790								
99-09-2	3-Nitroaniline	E625	ug/kg	NL								

				sys_loc_code:	A95		A96		A97		A98	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A95 0-12		A96 0-12		A97 0-12		A98 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/20/2009		07/20/2009		07/20/2009		06/30/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	C200.7	mg/kg	7740								
7439-89-6	Iron	C200.7	mg/kg	2000								
7439-92-1	Lead	C200.7	mg/kg	30.2								
7439-95-4	Magnesium	C200.7	mg/kg	NL								
7439-96-5	Manganese	C200.7	mg/kg	183								
7440-02-0	Nickel	C200.7	mg/kg	15.9								
7440-09-7	Potassium	C200.7	mg/kg	NL								
7440-22-4	Silver	C200.7	mg/kg	0.73								
7440-23-5	Sodium	C200.7	mg/kg	NL								
7440-28-0	Thallium	C200.7	mg/kg	100000								
7440-31-5	Tin	C200.7	mg/kg	NL								
7440-36-0	Antimony	C200.7	mg/kg	2								
7440-38-2	Arsenic	C200.7	mg/kg	0.389								
7440-39-3	Barium	C200.7	mg/kg	130.1								
7440-41-7	Beryllium	C200.7	mg/kg	15.6								
7440-43-9	Cadmium	C200.7	mg/kg	0.68								
7440-47-3	Chromium	C200.7	mg/kg	52.3								
7440-48-4	Cobalt	C200.7	mg/kg	2.34								
7440-50-8	Copper	C200.7	mg/kg	18.7								
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548								
7440-66-6	Zinc	C200.7	mg/kg	124								
7440-70-2	Calcium	C200.7	mg/kg	NL								
7782-49-2	Selenium	C200.7	mg/kg	2								
7429-90-5	Aluminum	E200.7	mg/kg	7740	1990	J	3010	J	2650	J	1380	
7439-89-6	Iron	E200.7	mg/kg	2000	8730	J	24600	J	8960	J	10400	
7439-92-1	Lead	E200.7	mg/kg	30.2								
7439-95-4	Magnesium	E200.7	mg/kg	NL	559	J	428	J	514	J	444	J
7439-96-5	Manganese	E200.7	mg/kg	183								
7440-02-0	Nickel	E200.7	mg/kg	15.9								
7440-09-7	Potassium	E200.7	mg/kg	NL	608	U	609	U	631	U	647	U
7440-22-4	Silver	E200.7	mg/kg	0.73								
7440-23-5	Sodium	E200.7	mg/kg	NL	1520		1040		1680		1080	
7440-31-5	Tin	E200.7	mg/kg	NL								

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Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 1 Sediment Samples < 12 inches

				sys_loc_code:	A95		A96		A97		A98	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A95 0-12		A96 0-12		A97 0-12		A98 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/20/2009		07/20/2009		07/20/2009		06/30/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7440-36-0	Antimony	E200.7	mg/kg	2								
7440-38-2	Arsenic	E200.7	mg/kg	0.389								
7440-47-3	Chromium	E200.7	mg/kg	52.3								
7440-50-8	Copper	E200.7	mg/kg	18.7								
7440-66-6	Zinc	E200.7	mg/kg	124								
7440-70-2	Calcium	E200.7	mg/kg	NL	2310		184	J	163	J	302	J
7439-92-1	Lead	E200.8	mg/kg	30.2	62.5		26.8		110		265	
7439-96-5	Manganese	E200.8	mg/kg	183	31.1	J	29.5	J	21	J	28.3	
7440-02-0	Nickel	E200.8	mg/kg	15.9	3.7		3.5		7.3		3.6	
7440-22-4	Silver	E200.8	mg/kg	0.73	0.3	UJ	0.3	UJ	0.32	UJ	0.32	UJ
7440-28-0	Thallium	E200.8	mg/kg	100000	0.61	U	0.61	U	0.63	U	0.65	U
7440-36-0	Antimony	E200.8	mg/kg	2	2.1		1.2	U	8.8		12.2	J
7440-38-2	Arsenic	E200.8	mg/kg	0.389	5.5	J	6.8	J	10	J	9.8	
7440-39-3	Barium	E200.8	mg/kg	130.1	6.1	UJ	6.1	UJ	7.9	J	17.8	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.18	J	0.81		0.69		0.22	J
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.3	U	0.3	U	0.32	U	0.16	J
7440-47-3	Chromium	E200.8	mg/kg	52.3	7.7		9.7		10.3		10.3	
7440-48-4	Cobalt	E200.8	mg/kg	2.34	1.7		1.7		3		0.93	
7440-50-8	Copper	E200.8	mg/kg	18.7	10.7		8.7		19.5		15.5	
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	12.2	J	36.9	J	18.6	J	14.8	J
7440-66-6	Zinc	E200.8	mg/kg	124	142		30.1		31.7		39.5	
7782-49-2	Selenium	E200.8	mg/kg	2	0.44	J	0.6	J	0.67		0.31	J
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.1		0.25		0.069		0.084	
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6								
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357								
309-00-2	Aldrin	CPEST	ug/kg	2								
319-84-6	Alpha-Bhc	CPEST	ug/kg	3								
319-85-7	Beta-Bhc	CPEST	ug/kg	3								
319-86-8	Delta-Bhc	CPEST	ug/kg	3								
33213-65-9	Endosulfan II	CPEST	ug/kg	14								
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19								
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7								
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7								

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				sys_loc_code:	A95		A96		A97		A98	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A95 0-12		A96 0-12		A97 0-12		A98 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/20/2009		07/20/2009		07/20/2009		06/30/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL								
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32								
60-57-1	Dieldrin	CPEST	ug/kg	0.72								
72-20-8	Endrin	CPEST	ug/kg	2.67								
72-43-5	Methoxychlor	CPEST	ug/kg	29.6								
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22								
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07								
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL								
76-44-8	Heptachlor	CPEST	ug/kg	68								
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1								
959-98-8	Endosulfan I	CPEST	ug/kg	2.9								
11096-82-5	Aroclor 1260	E608	ug/kg	21.6								
11097-69-1	Aroclor 1254	E608	ug/kg	23								
11100-14-4	Aroclor 1268	E608	ug/kg	21.6								
11104-28-2	Aroclor 1221	E608	ug/kg	21.6								
11141-16-5	Aroclor 1232	E608	ug/kg	21.6								
12672-29-6	Aroclor 1248	E608	ug/kg	21.6								
12674-11-2	Aroclor 1016	E608	ug/kg	21.6								
37324-23-5	Aroclor 1262	E608	ug/kg	21.6								
53469-21-9	Aroclor 1242	E608	ug/kg	21.6								
100-41-4	Ethylbenzene	E624	ug/kg	305								
100-42-5	Styrene	E624	ug/kg	7070								
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL								
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL								
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460								
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7								
107-06-2	1,2-Dichloroethane	E624	ug/kg	432								
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000								
108-87-2	Methylcyclohexane	E624	ug/kg	NL								
108-88-3	Toluene	E624	ug/kg	1090								
108-90-7	Chlorobenzene	E624	ug/kg	162								
110-82-7	Cyclohexane	E624	ug/kg	117000								
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473								

				sys_loc_code:	A95		A96		A97		A98	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A95 0-12		A96 0-12		A97 0-12		A98 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/20/2009		07/20/2009		07/20/2009		06/30/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
123-91-1	1,4-Dioxane	E624	ug/kg	44100								
124-48-1	Dibromochloromethane	E624	ug/kg	680								
127-18-4	Tetrachloroethene	E624	ug/kg	190								
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200								
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300								
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300								
179601-23-1	m,p-Xylene	E624	ug/kg	NL								
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842								
56-23-5	Carbon tetrachloride	E624	ug/kg	248								
591-78-6	2-Hexanone	E624	ug/kg	20900								
67-64-1	Acetone	E624	ug/kg	6130000								
67-66-3	Chloroform	E624	ug/kg	295								
71-43-2	Benzene	E624	ug/kg	137								
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856								
74-83-9	Bromomethane	E624	ug/kg	732								
74-87-3	Chloromethane	E624	ug/kg	11900								
74-97-5	Bromochloromethane	E624	ug/kg	NL								
75-00-3	Chloroethane	E624	ug/kg	1450000								
75-01-4	Vinyl Chloride	E624	ug/kg	59.7								
75-09-2	Methylene chloride	E624	ug/kg	10700								
75-15-0	Carbon Disulfide	E624	ug/kg	0.851								
75-25-2	Bromoform	E624	ug/kg	1310								
75-27-4	Bromodichloromethane	E624	ug/kg	273								
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310								
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780								
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700								
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400								
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000								
78-87-5	1,2-Dichloropropane	E624	ug/kg	895								
78-93-3	2-Butanone	E624	ug/kg	2780000								
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570								
79-01-6	Trichloroethene	E624	ug/kg	1600								
79-20-9	Methyl Acetate	E624	ug/kg	7820000								

				sys_loc_code:	A95		A96		A97		A98	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A95 0-12		A96 0-12		A97 0-12		A98 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/20/2009		07/20/2009		07/20/2009		06/30/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202								
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858								
95-47-6	o-Xylene	E624	ug/kg	NL								
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989								
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35								
98-82-8	Isopropylbenzene	E624	ug/kg	86								
100-01-6	4-Nitroaniline	E625	ug/kg	24300								
100-02-7	4-Nitrophenol	E625	ug/kg	NL								
100-52-7	Benzaldehyde	E625	ug/kg	782000								
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230								
105-60-2	Caprolactam	E625	ug/kg	3060000								
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29								
106-44-5	4-Methylphenol	E625	ug/kg	670								
106-47-8	4-Chloroaniline	E625	ug/kg	2430								
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570								
108-95-2	Phenol	E625	ug/kg	420								
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214								
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300								
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182								
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL								
118-74-1	Hexachlorobenzene	E625	ug/kg	20								
120-12-7	Anthracene	E625	ug/kg	46.9								
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117								
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6								
129-00-0	Pyrene	E625	ug/kg	153								
131-11-3	Dimethylphthalate	E625	ug/kg	NL								
132-64-9	Dibenzofuran	E625	ug/kg	7300								
1912-24-9	Atrazine	E625	ug/kg	6.62								
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170								
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17								
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148								
206-44-0	Fluoranthene	E625	ug/kg	113								
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240								

				sys_loc_code:	A95		A96		A97		A98	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A95 0-12		A96 0-12		A97 0-12		A98 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/20/2009		07/20/2009		07/20/2009		06/30/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
208-96-8	Acenaphthylene	E625	ug/kg	5.87								
218-01-9	Chrysene	E625	ug/kg	108								
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8								
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200								
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611								
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22								
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8								
58-90-2	Chlorophenols	E625	ug/kg	284								
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000								
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120								
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4								
67-72-1	Hexachloroethane	E625	ug/kg	804								
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL								
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139								
78-59-1	Isophorone	E625	ug/kg	511000								
83-32-9	Acenaphthene	E625	ug/kg	6.71								
84-66-2	Diethylphthalate	E625	ug/kg	218								
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160								
85-01-8	Phenanthrene	E625	ug/kg	86.7								
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800								
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100								
86-73-7	Fluorene	E625	ug/kg	19								
86-74-8	Carbazole	E625	ug/kg	NL								
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110								
87-86-5	Pentachlorophenol	E625	ug/kg	2970								
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650								
88-74-4	2-Nitroaniline	E625	ug/kg	60600								
88-75-5	2-Nitrophenol	E625	ug/kg	NL								
91-20-3	Naphthalene	E625	ug/kg	34.6								
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2								
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000								
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080								
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220								

				sys_loc_code:	A95		A96		A97		A98	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A95 0-12		A96 0-12		A97 0-12		A98 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/20/2009		07/20/2009		07/20/2009		06/30/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
95-48-7	2-Methylphenol	E625	ug/kg	306000								
95-57-8	2-Chlorophenol	E625	ug/kg	344								
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830								
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819								
98-86-2	Acetophenone	E625	ug/kg	782000								
98-95-3	Nitrobenzene	E625	ug/kg	4790								
99-09-2	3-Nitroaniline	E625	ug/kg	NL								

Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 1 Sediment Samples < 12 inches

				sys_loc_code:	A99		SS-MM2		SS-MM3		SS-MM4	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A99 0-12		SS-MM2		SS-MM3		SS-MM4	
				depth	0-12 in							
				sample_date:	06/30/2009		09/18/2008		09/18/2008		09/18/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	C200.7	mg/kg	7740								
7439-89-6	Iron	C200.7	mg/kg	2000								
7439-92-1	Lead	C200.7	mg/kg	30.2								
7439-95-4	Magnesium	C200.7	mg/kg	NL								
7439-96-5	Manganese	C200.7	mg/kg	183								
7440-02-0	Nickel	C200.7	mg/kg	15.9								
7440-09-7	Potassium	C200.7	mg/kg	NL								
7440-22-4	Silver	C200.7	mg/kg	0.73								
7440-23-5	Sodium	C200.7	mg/kg	NL								
7440-28-0	Thallium	C200.7	mg/kg	100000								
7440-31-5	Tin	C200.7	mg/kg	NL								
7440-36-0	Antimony	C200.7	mg/kg	2								
7440-38-2	Arsenic	C200.7	mg/kg	0.389								
7440-39-3	Barium	C200.7	mg/kg	130.1								
7440-41-7	Beryllium	C200.7	mg/kg	15.6								
7440-43-9	Cadmium	C200.7	mg/kg	0.68								
7440-47-3	Chromium	C200.7	mg/kg	52.3								
7440-48-4	Cobalt	C200.7	mg/kg	2.34								
7440-50-8	Copper	C200.7	mg/kg	18.7								
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548								
7440-66-6	Zinc	C200.7	mg/kg	124								
7440-70-2	Calcium	C200.7	mg/kg	NL								
7782-49-2	Selenium	C200.7	mg/kg	2								
7429-90-5	Aluminum	E200.7	mg/kg	7740	1590							
7439-89-6	Iron	E200.7	mg/kg	2000	7370							
7439-92-1	Lead	E200.7	mg/kg	30.2			29		83		26	
7439-95-4	Magnesium	E200.7	mg/kg	NL	836							
7439-96-5	Manganese	E200.7	mg/kg	183			56	J	19	J	55	J
7440-02-0	Nickel	E200.7	mg/kg	15.9			5		6.6		4.9	
7440-09-7	Potassium	E200.7	mg/kg	NL	651	U						
7440-22-4	Silver	E200.7	mg/kg	0.73			0.1	U	1.1		0.099	U
7440-23-5	Sodium	E200.7	mg/kg	NL	1600							
7440-31-5	Tin	E200.7	mg/kg	NL			10	UJ	14	UJ	9.9	UJ

				sys_loc_code:	A99		SS-MM2		SS-MM3		SS-MM4	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A99 0-12		SS-MM2		SS-MM3		SS-MM4	
				depth	0-12 in							
				sample_date:	06/30/2009		09/18/2008		09/18/2008		09/18/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7440-36-0	Antimony	E200.7	mg/kg	2			0.84		1.2		0.42	
7440-38-2	Arsenic	E200.7	mg/kg	0.389			15	J	5.4	J	12	J
7440-47-3	Chromium	E200.7	mg/kg	52.3			37		14		44	
7440-50-8	Copper	E200.7	mg/kg	18.7			11		31		9.4	J+
7440-66-6	Zinc	E200.7	mg/kg	124			91		53		56	
7440-70-2	Calcium	E200.7	mg/kg	NL	1020	J						
7439-92-1	Lead	E200.8	mg/kg	30.2	164							
7439-96-5	Manganese	E200.8	mg/kg	183	16.5							
7440-02-0	Nickel	E200.8	mg/kg	15.9	4.1	J						
7440-22-4	Silver	E200.8	mg/kg	0.73	0.33	U						
7440-28-0	Thallium	E200.8	mg/kg	100000	0.65	U						
7440-36-0	Antimony	E200.8	mg/kg	2	8.8							
7440-38-2	Arsenic	E200.8	mg/kg	0.389	7.3							
7440-39-3	Barium	E200.8	mg/kg	130.1	6.8	J						
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.54							
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.33	U						
7440-47-3	Chromium	E200.8	mg/kg	52.3	12.2							
7440-48-4	Cobalt	E200.8	mg/kg	2.34	2.8	J						
7440-50-8	Copper	E200.8	mg/kg	18.7	9	J						
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	19.4	J						
7440-66-6	Zinc	E200.8	mg/kg	124	15.4	J						
7782-49-2	Selenium	E200.8	mg/kg	2	0.35	J						
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.039	U						
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6								
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357								
309-00-2	Aldrin	CPEST	ug/kg	2								
319-84-6	Alpha-Bhc	CPEST	ug/kg	3								
319-85-7	Beta-Bhc	CPEST	ug/kg	3								
319-86-8	Delta-Bhc	CPEST	ug/kg	3								
33213-65-9	Endosulfan II	CPEST	ug/kg	14								
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19								
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7								
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7								

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				sys_loc_code:	A99		SS-MM2		SS-MM3		SS-MM4	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A99 0-12		SS-MM2		SS-MM3		SS-MM4	
				depth	0-12 in							
				sample_date:	06/30/2009		09/18/2008		09/18/2008		09/18/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL								
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32								
60-57-1	Dieldrin	CPEST	ug/kg	0.72								
72-20-8	Endrin	CPEST	ug/kg	2.67								
72-43-5	Methoxychlor	CPEST	ug/kg	29.6								
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22								
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07								
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL								
76-44-8	Heptachlor	CPEST	ug/kg	68								
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1								
959-98-8	Endosulfan I	CPEST	ug/kg	2.9								
11096-82-5	Aroclor 1260	E608	ug/kg	21.6								
11097-69-1	Aroclor 1254	E608	ug/kg	23								
11100-14-4	Aroclor 1268	E608	ug/kg	21.6								
11104-28-2	Aroclor 1221	E608	ug/kg	21.6								
11141-16-5	Aroclor 1232	E608	ug/kg	21.6								
12672-29-6	Aroclor 1248	E608	ug/kg	21.6								
12674-11-2	Aroclor 1016	E608	ug/kg	21.6								
37324-23-5	Aroclor 1262	E608	ug/kg	21.6								
53469-21-9	Aroclor 1242	E608	ug/kg	21.6								
100-41-4	Ethylbenzene	E624	ug/kg	305								
100-42-5	Styrene	E624	ug/kg	7070								
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL								
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL								
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460								
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7								
107-06-2	1,2-Dichloroethane	E624	ug/kg	432								
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000								
108-87-2	Methylcyclohexane	E624	ug/kg	NL								
108-88-3	Toluene	E624	ug/kg	1090								
108-90-7	Chlorobenzene	E624	ug/kg	162								
110-82-7	Cyclohexane	E624	ug/kg	117000								
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473								

				sys_loc_code:	A99		SS-MM2		SS-MM3		SS-MM4	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A99 0-12		SS-MM2		SS-MM3		SS-MM4	
				depth	0-12 in							
				sample_date:	06/30/2009		09/18/2008		09/18/2008		09/18/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
123-91-1	1,4-Dioxane	E624	ug/kg	44100								
124-48-1	Dibromochloromethane	E624	ug/kg	680								
127-18-4	Tetrachloroethene	E624	ug/kg	190								
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200								
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300								
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300								
179601-23-1	m,p-Xylene	E624	ug/kg	NL								
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842								
56-23-5	Carbon tetrachloride	E624	ug/kg	248								
591-78-6	2-Hexanone	E624	ug/kg	20900								
67-64-1	Acetone	E624	ug/kg	6130000								
67-66-3	Chloroform	E624	ug/kg	295								
71-43-2	Benzene	E624	ug/kg	137								
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856								
74-83-9	Bromomethane	E624	ug/kg	732								
74-87-3	Chloromethane	E624	ug/kg	11900								
74-97-5	Bromochloromethane	E624	ug/kg	NL								
75-00-3	Chloroethane	E624	ug/kg	1450000								
75-01-4	Vinyl Chloride	E624	ug/kg	59.7								
75-09-2	Methylene chloride	E624	ug/kg	10700								
75-15-0	Carbon Disulfide	E624	ug/kg	0.851								
75-25-2	Bromoform	E624	ug/kg	1310								
75-27-4	Bromodichloromethane	E624	ug/kg	273								
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310								
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780								
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700								
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400								
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000								
78-87-5	1,2-Dichloropropane	E624	ug/kg	895								
78-93-3	2-Butanone	E624	ug/kg	2780000								
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570								
79-01-6	Trichloroethene	E624	ug/kg	1600								
79-20-9	Methyl Acetate	E624	ug/kg	7820000								

				sys_loc_code:	A99		SS-MM2		SS-MM3		SS-MM4	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A99 0-12		SS-MM2		SS-MM3		SS-MM4	
				depth	0-12 in							
				sample_date:	06/30/2009		09/18/2008		09/18/2008		09/18/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202								
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858								
95-47-6	o-Xylene	E624	ug/kg	NL								
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989								
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35								
98-82-8	Isopropylbenzene	E624	ug/kg	86								
100-01-6	4-Nitroaniline	E625	ug/kg	24300								
100-02-7	4-Nitrophenol	E625	ug/kg	NL								
100-52-7	Benzaldehyde	E625	ug/kg	782000								
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230								
105-60-2	Caprolactam	E625	ug/kg	3060000								
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29								
106-44-5	4-Methylphenol	E625	ug/kg	670								
106-47-8	4-Chloroaniline	E625	ug/kg	2430								
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570								
108-95-2	Phenol	E625	ug/kg	420								
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214								
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300								
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182								
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL								
118-74-1	Hexachlorobenzene	E625	ug/kg	20								
120-12-7	Anthracene	E625	ug/kg	46.9								
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117								
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6								
129-00-0	Pyrene	E625	ug/kg	153								
131-11-3	Dimethylphthalate	E625	ug/kg	NL								
132-64-9	Dibenzofuran	E625	ug/kg	7300								
1912-24-9	Atrazine	E625	ug/kg	6.62								
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170								
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17								
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148								
206-44-0	Fluoranthene	E625	ug/kg	113								
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240								

				sys_loc_code:	A99		SS-MM2		SS-MM3		SS-MM4	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A99 0-12		SS-MM2		SS-MM3		SS-MM4	
				depth	0-12 in							
				sample_date:	06/30/2009		09/18/2008		09/18/2008		09/18/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
208-96-8	Acenaphthylene	E625	ug/kg	5.87								
218-01-9	Chrysene	E625	ug/kg	108								
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8								
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200								
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611								
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22								
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8								
58-90-2	Chlorophenols	E625	ug/kg	284								
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000								
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120								
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4								
67-72-1	Hexachloroethane	E625	ug/kg	804								
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL								
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139								
78-59-1	Isophorone	E625	ug/kg	511000								
83-32-9	Acenaphthene	E625	ug/kg	6.71								
84-66-2	Diethylphthalate	E625	ug/kg	218								
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160								
85-01-8	Phenanthrene	E625	ug/kg	86.7								
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800								
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100								
86-73-7	Fluorene	E625	ug/kg	19								
86-74-8	Carbazole	E625	ug/kg	NL								
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110								
87-86-5	Pentachlorophenol	E625	ug/kg	2970								
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650								
88-74-4	2-Nitroaniline	E625	ug/kg	60600								
88-75-5	2-Nitrophenol	E625	ug/kg	NL								
91-20-3	Naphthalene	E625	ug/kg	34.6								
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2								
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000								
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080								
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220								

				sys_loc_code:	A99		SS-MM2		SS-MM3		SS-MM4	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A99 0-12		SS-MM2		SS-MM3		SS-MM4	
				depth	0-12 in							
				sample_date:	06/30/2009		09/18/2008		09/18/2008		09/18/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
95-48-7	2-Methylphenol	E625	ug/kg	306000								
95-57-8	2-Chlorophenol	E625	ug/kg	344								
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830								
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819								
98-86-2	Acetophenone	E625	ug/kg	782000								
98-95-3	Nitrobenzene	E625	ug/kg	4790								
99-09-2	3-Nitroaniline	E625	ug/kg	NL								

Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 1 Sediment Samples < 12 inches

				sys_loc_code:	SS-MM5		SS-RM1		SS-RM2		SS-RM3	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	SS-MM5		SS-RM1		SS-RM2		SS-RM3	
				depth								
				sample_date:	09/18/2008		09/18/2008		09/18/2008		09/18/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	C200.7	mg/kg	7740								
7439-89-6	Iron	C200.7	mg/kg	2000								
7439-92-1	Lead	C200.7	mg/kg	30.2								
7439-95-4	Magnesium	C200.7	mg/kg	NL								
7439-96-5	Manganese	C200.7	mg/kg	183								
7440-02-0	Nickel	C200.7	mg/kg	15.9								
7440-09-7	Potassium	C200.7	mg/kg	NL								
7440-22-4	Silver	C200.7	mg/kg	0.73								
7440-23-5	Sodium	C200.7	mg/kg	NL								
7440-28-0	Thallium	C200.7	mg/kg	100000								
7440-31-5	Tin	C200.7	mg/kg	NL								
7440-36-0	Antimony	C200.7	mg/kg	2								
7440-38-2	Arsenic	C200.7	mg/kg	0.389								
7440-39-3	Barium	C200.7	mg/kg	130.1								
7440-41-7	Beryllium	C200.7	mg/kg	15.6								
7440-43-9	Cadmium	C200.7	mg/kg	0.68								
7440-47-3	Chromium	C200.7	mg/kg	52.3								
7440-48-4	Cobalt	C200.7	mg/kg	2.34								
7440-50-8	Copper	C200.7	mg/kg	18.7								
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548								
7440-66-6	Zinc	C200.7	mg/kg	124								
7440-70-2	Calcium	C200.7	mg/kg	NL								
7782-49-2	Selenium	C200.7	mg/kg	2								
7429-90-5	Aluminum	E200.7	mg/kg	7740								
7439-89-6	Iron	E200.7	mg/kg	2000								
7439-92-1	Lead	E200.7	mg/kg	30.2	24		12		16		19	
7439-95-4	Magnesium	E200.7	mg/kg	NL								
7439-96-5	Manganese	E200.7	mg/kg	183	32	J	22	J	44	J	48	J
7440-02-0	Nickel	E200.7	mg/kg	15.9	2.8		1.6	J+	3		2.6	
7440-09-7	Potassium	E200.7	mg/kg	NL								
7440-22-4	Silver	E200.7	mg/kg	0.73	0.087	U	0.11	U	0.095	U	0.089	U
7440-23-5	Sodium	E200.7	mg/kg	NL								
7440-31-5	Tin	E200.7	mg/kg	NL	8.7	UJ	11	UJ	9.5	UJ	8.9	UJ

Raritan Bay Slag Superfund Site
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Area 1 Sediment Samples < 12 inches

				sys_loc_code:	SS-MM5		SS-RM1		SS-RM2		SS-RM3	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	SS-MM5		SS-RM1		SS-RM2		SS-RM3	
				depth								
				sample_date:	09/18/2008		09/18/2008		09/18/2008		09/18/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7440-36-0	Antimony	E200.7	mg/kg	2	0.47		0.22		0.31		0.49	
7440-38-2	Arsenic	E200.7	mg/kg	0.389	7.4	J	5.6	J	6.1	J	8.5	J
7440-47-3	Chromium	E200.7	mg/kg	52.3	11		9		9.5		21	
7440-50-8	Copper	E200.7	mg/kg	18.7	7.4	J+	4.4	J+	9.9	J+	15	
7440-66-6	Zinc	E200.7	mg/kg	124	44		25		31		33	
7440-70-2	Calcium	E200.7	mg/kg	NL								
7439-92-1	Lead	E200.8	mg/kg	30.2								
7439-96-5	Manganese	E200.8	mg/kg	183								
7440-02-0	Nickel	E200.8	mg/kg	15.9								
7440-22-4	Silver	E200.8	mg/kg	0.73								
7440-28-0	Thallium	E200.8	mg/kg	100000								
7440-36-0	Antimony	E200.8	mg/kg	2								
7440-38-2	Arsenic	E200.8	mg/kg	0.389								
7440-39-3	Barium	E200.8	mg/kg	130.1								
7440-41-7	Beryllium	E200.8	mg/kg	15.6								
7440-43-9	Cadmium	E200.8	mg/kg	0.68								
7440-47-3	Chromium	E200.8	mg/kg	52.3								
7440-48-4	Cobalt	E200.8	mg/kg	2.34								
7440-50-8	Copper	E200.8	mg/kg	18.7								
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548								
7440-66-6	Zinc	E200.8	mg/kg	124								
7782-49-2	Selenium	E200.8	mg/kg	2								
7439-97-6	Mercury	E245.5	mg/kg	0.13								
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6								
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357								
309-00-2	Aldrin	CPEST	ug/kg	2								
319-84-6	Alpha-Bhc	CPEST	ug/kg	3								
319-85-7	Beta-Bhc	CPEST	ug/kg	3								
319-86-8	Delta-Bhc	CPEST	ug/kg	3								
33213-65-9	Endosulfan II	CPEST	ug/kg	14								
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19								
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7								
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7								

				sys_loc_code:	SS-MM5		SS-RM1		SS-RM2		SS-RM3	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	SS-MM5		SS-RM1		SS-RM2		SS-RM3	
				depth								
				sample_date:	09/18/2008		09/18/2008		09/18/2008		09/18/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL								
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32								
60-57-1	Dieldrin	CPEST	ug/kg	0.72								
72-20-8	Endrin	CPEST	ug/kg	2.67								
72-43-5	Methoxychlor	CPEST	ug/kg	29.6								
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22								
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07								
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL								
76-44-8	Heptachlor	CPEST	ug/kg	68								
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1								
959-98-8	Endosulfan I	CPEST	ug/kg	2.9								
11096-82-5	Aroclor 1260	E608	ug/kg	21.6								
11097-69-1	Aroclor 1254	E608	ug/kg	23								
11100-14-4	Aroclor 1268	E608	ug/kg	21.6								
11104-28-2	Aroclor 1221	E608	ug/kg	21.6								
11141-16-5	Aroclor 1232	E608	ug/kg	21.6								
12672-29-6	Aroclor 1248	E608	ug/kg	21.6								
12674-11-2	Aroclor 1016	E608	ug/kg	21.6								
37324-23-5	Aroclor 1262	E608	ug/kg	21.6								
53469-21-9	Aroclor 1242	E608	ug/kg	21.6								
100-41-4	Ethylbenzene	E624	ug/kg	305								
100-42-5	Styrene	E624	ug/kg	7070								
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL								
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL								
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460								
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7								
107-06-2	1,2-Dichloroethane	E624	ug/kg	432								
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000								
108-87-2	Methylcyclohexane	E624	ug/kg	NL								
108-88-3	Toluene	E624	ug/kg	1090								
108-90-7	Chlorobenzene	E624	ug/kg	162								
110-82-7	Cyclohexane	E624	ug/kg	117000								
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473								

				sys_loc_code:	SS-MM5		SS-RM1		SS-RM2		SS-RM3	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	SS-MM5		SS-RM1		SS-RM2		SS-RM3	
				depth								
				sample_date:	09/18/2008		09/18/2008		09/18/2008		09/18/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
123-91-1	1,4-Dioxane	E624	ug/kg	44100								
124-48-1	Dibromochloromethane	E624	ug/kg	680								
127-18-4	Tetrachloroethene	E624	ug/kg	190								
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200								
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300								
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300								
179601-23-1	m,p-Xylene	E624	ug/kg	NL								
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842								
56-23-5	Carbon tetrachloride	E624	ug/kg	248								
591-78-6	2-Hexanone	E624	ug/kg	20900								
67-64-1	Acetone	E624	ug/kg	6130000								
67-66-3	Chloroform	E624	ug/kg	295								
71-43-2	Benzene	E624	ug/kg	137								
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856								
74-83-9	Bromomethane	E624	ug/kg	732								
74-87-3	Chloromethane	E624	ug/kg	11900								
74-97-5	Bromochloromethane	E624	ug/kg	NL								
75-00-3	Chloroethane	E624	ug/kg	1450000								
75-01-4	Vinyl Chloride	E624	ug/kg	59.7								
75-09-2	Methylene chloride	E624	ug/kg	10700								
75-15-0	Carbon Disulfide	E624	ug/kg	0.851								
75-25-2	Bromoform	E624	ug/kg	1310								
75-27-4	Bromodichloromethane	E624	ug/kg	273								
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310								
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780								
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700								
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400								
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000								
78-87-5	1,2-Dichloropropane	E624	ug/kg	895								
78-93-3	2-Butanone	E624	ug/kg	2780000								
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570								
79-01-6	Trichloroethene	E624	ug/kg	1600								
79-20-9	Methyl Acetate	E624	ug/kg	7820000								

				sys_loc_code:	SS-MM5		SS-RM1		SS-RM2		SS-RM3	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	SS-MM5		SS-RM1		SS-RM2		SS-RM3	
				depth								
				sample_date:	09/18/2008		09/18/2008		09/18/2008		09/18/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202								
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858								
95-47-6	o-Xylene	E624	ug/kg	NL								
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989								
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35								
98-82-8	Isopropylbenzene	E624	ug/kg	86								
100-01-6	4-Nitroaniline	E625	ug/kg	24300								
100-02-7	4-Nitrophenol	E625	ug/kg	NL								
100-52-7	Benzaldehyde	E625	ug/kg	782000								
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230								
105-60-2	Caprolactam	E625	ug/kg	3060000								
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29								
106-44-5	4-Methylphenol	E625	ug/kg	670								
106-47-8	4-Chloroaniline	E625	ug/kg	2430								
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570								
108-95-2	Phenol	E625	ug/kg	420								
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214								
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300								
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182								
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL								
118-74-1	Hexachlorobenzene	E625	ug/kg	20								
120-12-7	Anthracene	E625	ug/kg	46.9								
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117								
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6								
129-00-0	Pyrene	E625	ug/kg	153								
131-11-3	Dimethylphthalate	E625	ug/kg	NL								
132-64-9	Dibenzofuran	E625	ug/kg	7300								
1912-24-9	Atrazine	E625	ug/kg	6.62								
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170								
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17								
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148								
206-44-0	Fluoranthene	E625	ug/kg	113								
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240								

				sys_loc_code:	SS-MM5		SS-RM1		SS-RM2		SS-RM3	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	SS-MM5		SS-RM1		SS-RM2		SS-RM3	
				depth								
				sample_date:	09/18/2008		09/18/2008		09/18/2008		09/18/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
208-96-8	Acenaphthylene	E625	ug/kg	5.87								
218-01-9	Chrysene	E625	ug/kg	108								
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8								
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200								
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611								
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22								
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8								
58-90-2	Chlorophenols	E625	ug/kg	284								
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000								
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120								
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4								
67-72-1	Hexachloroethane	E625	ug/kg	804								
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL								
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139								
78-59-1	Isophorone	E625	ug/kg	511000								
83-32-9	Acenaphthene	E625	ug/kg	6.71								
84-66-2	Diethylphthalate	E625	ug/kg	218								
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160								
85-01-8	Phenanthrene	E625	ug/kg	86.7								
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800								
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100								
86-73-7	Fluorene	E625	ug/kg	19								
86-74-8	Carbazole	E625	ug/kg	NL								
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110								
87-86-5	Pentachlorophenol	E625	ug/kg	2970								
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650								
88-74-4	2-Nitroaniline	E625	ug/kg	60600								
88-75-5	2-Nitrophenol	E625	ug/kg	NL								
91-20-3	Naphthalene	E625	ug/kg	34.6								
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2								
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000								
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080								
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220								

				sys_loc_code:	SS-MM5		SS-RM1		SS-RM2		SS-RM3	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	SS-MM5		SS-RM1		SS-RM2		SS-RM3	
				depth								
				sample_date:	09/18/2008		09/18/2008		09/18/2008		09/18/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
95-48-7	2-Methylphenol	E625	ug/kg	306000								
95-57-8	2-Chlorophenol	E625	ug/kg	344								
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830								
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819								
98-86-2	Acetophenone	E625	ug/kg	782000								
98-95-3	Nitrobenzene	E625	ug/kg	4790								
99-09-2	3-Nitroaniline	E625	ug/kg	NL								

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				sys_loc_code:	SS-RM4		SS-RM5		SS-RM6		SS-MM1	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	SS-RM4		SS-RM5		SS-RM6		SS-MM1	
				depth								
				sample_date:	09/18/2008		09/18/2008		09/18/2008		09/18/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	C200.7	mg/kg	7740								
7439-89-6	Iron	C200.7	mg/kg	2000								
7439-92-1	Lead	C200.7	mg/kg	30.2								
7439-95-4	Magnesium	C200.7	mg/kg	NL								
7439-96-5	Manganese	C200.7	mg/kg	183								
7440-02-0	Nickel	C200.7	mg/kg	15.9								
7440-09-7	Potassium	C200.7	mg/kg	NL								
7440-22-4	Silver	C200.7	mg/kg	0.73								
7440-23-5	Sodium	C200.7	mg/kg	NL								
7440-28-0	Thallium	C200.7	mg/kg	100000								
7440-31-5	Tin	C200.7	mg/kg	NL								
7440-36-0	Antimony	C200.7	mg/kg	2								
7440-38-2	Arsenic	C200.7	mg/kg	0.389								
7440-39-3	Barium	C200.7	mg/kg	130.1								
7440-41-7	Beryllium	C200.7	mg/kg	15.6								
7440-43-9	Cadmium	C200.7	mg/kg	0.68								
7440-47-3	Chromium	C200.7	mg/kg	52.3								
7440-48-4	Cobalt	C200.7	mg/kg	2.34								
7440-50-8	Copper	C200.7	mg/kg	18.7								
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548								
7440-66-6	Zinc	C200.7	mg/kg	124								
7440-70-2	Calcium	C200.7	mg/kg	NL								
7782-49-2	Selenium	C200.7	mg/kg	2								
7429-90-5	Aluminum	E200.7	mg/kg	7740								
7439-89-6	Iron	E200.7	mg/kg	2000								
7439-92-1	Lead	E200.7	mg/kg	30.2	94		660		93		47	
7439-95-4	Magnesium	E200.7	mg/kg	NL								
7439-96-5	Manganese	E200.7	mg/kg	183	28	J	260	J	99	J	29	J
7440-02-0	Nickel	E200.7	mg/kg	15.9	2.3	J+	5.8		8.5		5	
7440-09-7	Potassium	E200.7	mg/kg	NL								
7440-22-4	Silver	E200.7	mg/kg	0.73	0.08		0.19		0.12		0.13	
7440-23-5	Sodium	E200.7	mg/kg	NL								
7440-31-5	Tin	E200.7	mg/kg	NL	8	J	18	J	9.9	UJ	8.7	J

Raritan Bay Slag Superfund Site
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Area 1 Sediment Samples < 12 inches

				sys_loc_code:	SS-RM4		SS-RM5		SS-RM6		SS-MM1	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	SS-RM4		SS-RM5		SS-RM6		SS-MM1	
				depth								
				sample_date:	09/18/2008		09/18/2008		09/18/2008		09/18/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7440-36-0	Antimony	E200.7	mg/kg	2	1.5		6.1		1.6		1.1	
7440-38-2	Arsenic	E200.7	mg/kg	0.389	6.9	J	13	J	29	J	9.4	J
7440-47-3	Chromium	E200.7	mg/kg	52.3	7.7		18		46		15	
7440-50-8	Copper	E200.7	mg/kg	18.7	11		22		17		13	
7440-66-6	Zinc	E200.7	mg/kg	124	40		57		91		68	
7440-70-2	Calcium	E200.7	mg/kg	NL								
7439-92-1	Lead	E200.8	mg/kg	30.2								
7439-96-5	Manganese	E200.8	mg/kg	183								
7440-02-0	Nickel	E200.8	mg/kg	15.9								
7440-22-4	Silver	E200.8	mg/kg	0.73								
7440-28-0	Thallium	E200.8	mg/kg	100000								
7440-36-0	Antimony	E200.8	mg/kg	2								
7440-38-2	Arsenic	E200.8	mg/kg	0.389								
7440-39-3	Barium	E200.8	mg/kg	130.1								
7440-41-7	Beryllium	E200.8	mg/kg	15.6								
7440-43-9	Cadmium	E200.8	mg/kg	0.68								
7440-47-3	Chromium	E200.8	mg/kg	52.3								
7440-48-4	Cobalt	E200.8	mg/kg	2.34								
7440-50-8	Copper	E200.8	mg/kg	18.7								
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548								
7440-66-6	Zinc	E200.8	mg/kg	124								
7782-49-2	Selenium	E200.8	mg/kg	2								
7439-97-6	Mercury	E245.5	mg/kg	0.13								
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6								
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357								
309-00-2	Aldrin	CPEST	ug/kg	2								
319-84-6	Alpha-Bhc	CPEST	ug/kg	3								
319-85-7	Beta-Bhc	CPEST	ug/kg	3								
319-86-8	Delta-Bhc	CPEST	ug/kg	3								
33213-65-9	Endosulfan II	CPEST	ug/kg	14								
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19								
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7								
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7								

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				sys_loc_code:	SS-RM4		SS-RM5		SS-RM6		SS-MM1	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	SS-RM4		SS-RM5		SS-RM6		SS-MM1	
				depth								
				sample_date:	09/18/2008		09/18/2008		09/18/2008		09/18/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL								
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32								
60-57-1	Dieldrin	CPEST	ug/kg	0.72								
72-20-8	Endrin	CPEST	ug/kg	2.67								
72-43-5	Methoxychlor	CPEST	ug/kg	29.6								
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22								
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07								
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL								
76-44-8	Heptachlor	CPEST	ug/kg	68								
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1								
959-98-8	Endosulfan I	CPEST	ug/kg	2.9								
11096-82-5	Aroclor 1260	E608	ug/kg	21.6								
11097-69-1	Aroclor 1254	E608	ug/kg	23								
11100-14-4	Aroclor 1268	E608	ug/kg	21.6								
11104-28-2	Aroclor 1221	E608	ug/kg	21.6								
11141-16-5	Aroclor 1232	E608	ug/kg	21.6								
12672-29-6	Aroclor 1248	E608	ug/kg	21.6								
12674-11-2	Aroclor 1016	E608	ug/kg	21.6								
37324-23-5	Aroclor 1262	E608	ug/kg	21.6								
53469-21-9	Aroclor 1242	E608	ug/kg	21.6								
100-41-4	Ethylbenzene	E624	ug/kg	305								
100-42-5	Styrene	E624	ug/kg	7070								
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL								
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL								
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460								
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7								
107-06-2	1,2-Dichloroethane	E624	ug/kg	432								
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000								
108-87-2	Methylcyclohexane	E624	ug/kg	NL								
108-88-3	Toluene	E624	ug/kg	1090								
108-90-7	Chlorobenzene	E624	ug/kg	162								
110-82-7	Cyclohexane	E624	ug/kg	117000								
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473								

				sys_loc_code:	SS-RM4		SS-RM5		SS-RM6		SS-MM1	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	SS-RM4		SS-RM5		SS-RM6		SS-MM1	
				depth								
				sample_date:	09/18/2008		09/18/2008		09/18/2008		09/18/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
123-91-1	1,4-Dioxane	E624	ug/kg	44100								
124-48-1	Dibromochloromethane	E624	ug/kg	680								
127-18-4	Tetrachloroethene	E624	ug/kg	190								
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200								
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300								
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300								
179601-23-1	m,p-Xylene	E624	ug/kg	NL								
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842								
56-23-5	Carbon tetrachloride	E624	ug/kg	248								
591-78-6	2-Hexanone	E624	ug/kg	20900								
67-64-1	Acetone	E624	ug/kg	6130000								
67-66-3	Chloroform	E624	ug/kg	295								
71-43-2	Benzene	E624	ug/kg	137								
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856								
74-83-9	Bromomethane	E624	ug/kg	732								
74-87-3	Chloromethane	E624	ug/kg	11900								
74-97-5	Bromochloromethane	E624	ug/kg	NL								
75-00-3	Chloroethane	E624	ug/kg	1450000								
75-01-4	Vinyl Chloride	E624	ug/kg	59.7								
75-09-2	Methylene chloride	E624	ug/kg	10700								
75-15-0	Carbon Disulfide	E624	ug/kg	0.851								
75-25-2	Bromoform	E624	ug/kg	1310								
75-27-4	Bromodichloromethane	E624	ug/kg	273								
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310								
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780								
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700								
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400								
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000								
78-87-5	1,2-Dichloropropane	E624	ug/kg	895								
78-93-3	2-Butanone	E624	ug/kg	2780000								
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570								
79-01-6	Trichloroethene	E624	ug/kg	1600								
79-20-9	Methyl Acetate	E624	ug/kg	7820000								

				sys_loc_code:	SS-RM4		SS-RM5		SS-RM6		SS-MM1	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	SS-RM4		SS-RM5		SS-RM6		SS-MM1	
				depth								
				sample_date:	09/18/2008		09/18/2008		09/18/2008		09/18/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202								
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858								
95-47-6	o-Xylene	E624	ug/kg	NL								
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989								
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35								
98-82-8	Isopropylbenzene	E624	ug/kg	86								
100-01-6	4-Nitroaniline	E625	ug/kg	24300								
100-02-7	4-Nitrophenol	E625	ug/kg	NL								
100-52-7	Benzaldehyde	E625	ug/kg	782000								
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230								
105-60-2	Caprolactam	E625	ug/kg	3060000								
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29								
106-44-5	4-Methylphenol	E625	ug/kg	670								
106-47-8	4-Chloroaniline	E625	ug/kg	2430								
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570								
108-95-2	Phenol	E625	ug/kg	420								
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214								
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300								
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182								
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL								
118-74-1	Hexachlorobenzene	E625	ug/kg	20								
120-12-7	Anthracene	E625	ug/kg	46.9								
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117								
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6								
129-00-0	Pyrene	E625	ug/kg	153								
131-11-3	Dimethylphthalate	E625	ug/kg	NL								
132-64-9	Dibenzofuran	E625	ug/kg	7300								
1912-24-9	Atrazine	E625	ug/kg	6.62								
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170								
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17								
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148								
206-44-0	Fluoranthene	E625	ug/kg	113								
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240								

				sys_loc_code:	SS-RM4		SS-RM5		SS-RM6		SS-MM1	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	SS-RM4		SS-RM5		SS-RM6		SS-MM1	
				depth								
				sample_date:	09/18/2008		09/18/2008		09/18/2008		09/18/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
208-96-8	Acenaphthylene	E625	ug/kg	5.87								
218-01-9	Chrysene	E625	ug/kg	108								
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8								
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200								
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611								
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22								
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8								
58-90-2	Chlorophenols	E625	ug/kg	284								
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000								
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120								
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4								
67-72-1	Hexachloroethane	E625	ug/kg	804								
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL								
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139								
78-59-1	Isophorone	E625	ug/kg	511000								
83-32-9	Acenaphthene	E625	ug/kg	6.71								
84-66-2	Diethylphthalate	E625	ug/kg	218								
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160								
85-01-8	Phenanthrene	E625	ug/kg	86.7								
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800								
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100								
86-73-7	Fluorene	E625	ug/kg	19								
86-74-8	Carbazole	E625	ug/kg	NL								
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110								
87-86-5	Pentachlorophenol	E625	ug/kg	2970								
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650								
88-74-4	2-Nitroaniline	E625	ug/kg	60600								
88-75-5	2-Nitrophenol	E625	ug/kg	NL								
91-20-3	Naphthalene	E625	ug/kg	34.6								
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2								
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000								
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080								
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220								

				sys_loc_code:	SS-RM4		SS-RM5		SS-RM6		SS-MM1	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	SS-RM4		SS-RM5		SS-RM6		SS-MM1	
				depth								
				sample_date:	09/18/2008		09/18/2008		09/18/2008		09/18/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
95-48-7	2-Methylphenol	E625	ug/kg	306000								
95-57-8	2-Chlorophenol	E625	ug/kg	344								
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830								
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819								
98-86-2	Acetophenone	E625	ug/kg	782000								
98-95-3	Nitrobenzene	E625	ug/kg	4790								
99-09-2	3-Nitroaniline	E625	ug/kg	NL								

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				sys_loc_code:	S01		S02		S03		S04	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	RBS-S01A		RBS-S02A		RBS-S03A		RBS-S04A	
				depth	0-2 in		0-2 in		0-2 in		0-2 in	
				sample_date:	09/11/2008		09/11/2008		09/11/2008		09/11/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-Soil								
7429-90-5	Aluminum	C200.7	mg/kg	3900	3260	J	2350	J	943	J	271	J
7439-89-6	Iron	C200.7	mg/kg	5480	51400	J	40000	J	16800	J	3020	J
7439-92-1	Lead	C200.7	mg/kg	0.0537	1600	J	1040	J	1130	J	44.8	J
7439-95-4	Magnesium	C200.7	mg/kg	673	767	J	657	J	575	UJ	510	UJ
7439-96-5	Manganese	C200.7	mg/kg	42	123	J	184	J	60.4	J	46.1	J
7440-02-0	Nickel	C200.7	mg/kg	12.3	8.4		8.6		4.6	U	4.1	U
7440-09-7	Potassium	C200.7	mg/kg	1750	251	J	355	J	176	J	41.1	J
7440-22-4	Silver	C200.7	mg/kg	1	1.1	U	1	U	0.3	J	0.11	J
7440-23-5	Sodium	C200.7	mg/kg	NL	558	J	523	UJ	951	J	510	UJ
7440-28-0	Thallium	C200.7	mg/kg	0.0569	2.6	U	2.6	U	2.9	U	2.5	U
7440-31-5	Tin	C200.7	mg/kg	NL	55.7	J	40.4	J	28	J	15.8	J
7440-36-0	Antimony	C200.7	mg/kg	0.142	54.4	R	152	R	37.9	R	6.1	R
7440-38-2	Arsenic	C200.7	mg/kg	0.389	28.1	R	72.8	R	7.4	R	1.2	R
7440-39-3	Barium	C200.7	mg/kg	1.04	21.2	UJ	106	J	23	UJ	20.4	UJ
7440-41-7	Beryllium	C200.7	mg/kg	0.5	0.53	U	0.52	U	0.57	U	0.51	U
7440-43-9	Cadmium	C200.7	mg/kg	0.00222	0.53	UJ	0.52	UJ	0.57	UJ	0.51	UJ
7440-47-3	Chromium	C200.7	mg/kg	0.4	30.2		24.8		19.1		2	
7440-48-4	Cobalt	C200.7	mg/kg	0.14	5.3	UJ	5.2	UJ	5.7	UJ	5.1	UJ
7440-50-8	Copper	C200.7	mg/kg	5.4	74.4	J	29.7	J	13.6	J	1.5	J
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548	91.2	J	39.3	J	16.3	J	5.1	UJ
7440-66-6	Zinc	C200.7	mg/kg	6.62	112	J	83.4	J	50.5	J	8.7	J
7440-70-2	Calcium	C200.7	mg/kg	995	680	J	715	J	956	J	510	UJ
7782-49-2	Selenium	C200.7	mg/kg	0.0276	3.7	UJ	3.7	UJ	4	UJ	3.6	UJ

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				sys_loc_code:	S01		S02		S04	
				loc_name:	Area-01		Area-01		Area-01	
				sys_sample_code:	RBS-S01B		RBS-S02B		RBS-S04B	
				depth	6-12 in		6-12 in		6-12 in	
				sample_date:	09/11/2008		09/11/2008		09/11/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-Soil						
7429-90-5	Aluminum	C200.7	mg/kg	3900	2040	J	1860	J	327	J
7439-89-6	Iron	C200.7	mg/kg	5480	40700	J	38400	J	3620	J
7439-92-1	Lead	C200.7	mg/kg	0.0537	912	J	1100	J	22.5	J
7439-95-4	Magnesium	C200.7	mg/kg	673	536	UJ	530	UJ	525	UJ
7439-96-5	Manganese	C200.7	mg/kg	42	76.9	J	92.1	J	36.7	J
7440-02-0	Nickel	C200.7	mg/kg	12.3	5.9		9.2		4.2	U
7440-09-7	Potassium	C200.7	mg/kg	1750	249	J	184	J	48.5	J
7440-22-4	Silver	C200.7	mg/kg	1	1.1	U	0.29	J	0.18	J
7440-23-5	Sodium	C200.7	mg/kg	NL	536	UJ	530	UJ	525	UJ
7440-28-0	Thallium	C200.7	mg/kg	0.0569	2.7	U	2.7	U	2.6	U
7440-31-5	Tin	C200.7	mg/kg	NL	23.8	J	100	J	10.5	UJ
7440-36-0	Antimony	C200.7	mg/kg	0.142	41.5	R	100	R	6.3	R
7440-38-2	Arsenic	C200.7	mg/kg	0.389	29.9	R	53.9	R	1.6	R
7440-39-3	Barium	C200.7	mg/kg	1.04	21.4	UJ	21.2	UJ	21	UJ
7440-41-7	Beryllium	C200.7	mg/kg	0.5	0.54	U	0.53	U	0.52	U
7440-43-9	Cadmium	C200.7	mg/kg	0.00222	0.54	UJ	0.53	UJ	0.52	UJ
7440-47-3	Chromium	C200.7	mg/kg	0.4	24		34.4		2.5	
7440-48-4	Cobalt	C200.7	mg/kg	0.14	5.4	UJ	5.3	UJ	5.2	UJ
7440-50-8	Copper	C200.7	mg/kg	5.4	27.5	J	51.4	J	2.7	J
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548	47.1	J	37.3	J	5.6	J
7440-66-6	Zinc	C200.7	mg/kg	6.62	56.4	J	68.7	J	8.8	J
7440-70-2	Calcium	C200.7	mg/kg	995	536	UJ	2120	J	525	UJ
7782-49-2	Selenium	C200.7	mg/kg	0.0276	3.8	UJ	3.7	UJ	3.7	UJ

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Area 1 Surface Water - Total

				sys_loc_code:	SW01		SW01		SW03	
				loc_name:	Area-01		Area-01		Area-01	
				sys_sample_code:	RBS-SW01		RBS-SW010		RBS-SW03	
				sample_date:	09/10/2008		09/11/2008		09/10/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SW						
7429-90-5	Aluminum	C200.7	ug/l	**87**	481		3150	J	459	
7439-89-6	Iron	C200.7	ug/l	**300**	1210	J	10900	J	1110	
7439-92-1	Lead	C200.7	ug/l	**8.1**	33.1		1450	J	30	
7439-95-4	Magnesium	C200.7	ug/l	**82000**	673000		688000		654000	
7439-96-5	Manganese	C200.7	ug/l	**120**	116	J	348	J	103	J
7440-02-0	Nickel	C200.7	ug/l	**8.2**	40	U	40	UJ	40	U
7440-09-7	Potassium	C200.7	ug/l	**53000**	209000		230000		219000	
7440-22-4	Silver	C200.7	ug/l	**0.23**	10	U	10	U	10	U
7440-23-5	Sodium	C200.7	ug/l	**680000**	1630000	R	5820000		1900000	R
7440-28-0	Thallium	C200.7	ug/l	**21.3**	25	U	25	U	25	U
7440-31-5	Tin	C200.7	ug/l	NL	100	U	8.8	R	100	U
7440-36-0	Antimony	C200.7	ug/l	500	2.9	J	13.8	J	3.3	J
7440-38-2	Arsenic	C200.7	ug/l	**12.5**	10	U	29.4	J	10	U
7440-39-3	Barium	C200.7	ug/l	**4**	200	U	200	U	200	U
7440-41-7	Beryllium	C200.7	ug/l	**0.66**	5	U	0.47	J	5	U
7440-43-9	Cadmium	C200.7	ug/l	**0.12**	5	U	5	U	5	U
7440-47-3	Chromium	C200.7	ug/l	57.5	10	U	16.5		10	U
7440-48-4	Cobalt	C200.7	ug/l	**23**	50	U	50	U	50	U
7440-50-8	Copper	C200.7	ug/l	**3.1**	25	U	67.7	J	25	U
7440-62-2	Vanadium (Fume Or Dust)	C200.7	ug/l	**20**	50	U	42.7	J	50	U
7440-66-6	Zinc	C200.7	ug/l	**81**	60	U	201	J	60	U
7440-70-2	Calcium	C200.7	ug/l	**116000**	205000		219000		202000	
7782-49-2	Selenium	C200.7	ug/l	71	3.9	J	35	U	2.7	J

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Area 1 Surface Water - Total

				sys_loc_code:	SW04		SW05		SW06	
				loc_name:	Area-01		Area-01		Area-01	
				sys_sample_code:	RBS-SW04		RBS-SW05		RBS-SW06	
				sample_date:	09/10/2008		09/10/2008		09/10/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SW						
7429-90-5	Aluminum	C200.7	ug/l	**87**	329	R	393	J	537	
7439-89-6	Iron	C200.7	ug/l	**300**	916	R	926	J	1360	
7439-92-1	Lead	C200.7	ug/l	**8.1**	25.2	J	10	UJ	14.2	J
7439-95-4	Magnesium	C200.7	ug/l	**82000**	627000		667000		714000	
7439-96-5	Manganese	C200.7	ug/l	**120**	109	J	103	J	99.8	J
7440-02-0	Nickel	C200.7	ug/l	**8.2**	40	U	40	U	40	U
7440-09-7	Potassium	C200.7	ug/l	**53000**	216000		213000		227000	
7440-22-4	Silver	C200.7	ug/l	**0.23**	10	U	10	U	10	U
7440-23-5	Sodium	C200.7	ug/l	**680000**	1590000	R	1950000	R	1720000	R
7440-28-0	Thallium	C200.7	ug/l	**21.3**	25	U	25	U	25	U
7440-31-5	Tin	C200.7	ug/l	NL	100	U	100	U	100	U
7440-36-0	Antimony	C200.7	ug/l	500	60	U	1.6	J	60	U
7440-38-2	Arsenic	C200.7	ug/l	**12.5**	10	U	10	U	10	U
7440-39-3	Barium	C200.7	ug/l	**4**	200	U	200	U	200	U
7440-41-7	Beryllium	C200.7	ug/l	**0.66**	5	U	5	U	5	U
7440-43-9	Cadmium	C200.7	ug/l	**0.12**	5	U	5	U	5	U
7440-47-3	Chromium	C200.7	ug/l	57.5	10	U	2.7	J	3.3	J
7440-48-4	Cobalt	C200.7	ug/l	**23**	50	U	50	U	50	UJ
7440-50-8	Copper	C200.7	ug/l	**3.1**	25	U	25	U	25	U
7440-62-2	Vanadium (Fume Or Dust)	C200.7	ug/l	**20**	50	UJ	50	U	50	U
7440-66-6	Zinc	C200.7	ug/l	**81**	60	R	60	U	60	U
7440-70-2	Calcium	C200.7	ug/l	**116000**	198000		206000		216000	
7782-49-2	Selenium	C200.7	ug/l	71	3.3	J	3.2	J	2.9	J

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Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 1 Surface Water - Total

				sys_loc_code:	SW07		SW08		SW18	
				loc_name:	Area-01		Area-01		Area-01	
				sys_sample_code:	RBS-SW07		RBS-SW08		RBS-SW18	
				sample_date:	09/10/2008		09/10/2008		09/10/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SW						
7429-90-5	Aluminum	C200.7	ug/l	**87**	1950		1430		102	J
7439-89-6	Iron	C200.7	ug/l	**300**	5120		3610		1320	
7439-92-1	Lead	C200.7	ug/l	**8.1**	153		109		10	U
7439-95-4	Magnesium	C200.7	ug/l	**82000**	673000		668000		46000	
7439-96-5	Manganese	C200.7	ug/l	**120**	235	J	199	J	228	J
7440-02-0	Nickel	C200.7	ug/l	**8.2**	40	U	50	U	40	U
7440-09-7	Potassium	C200.7	ug/l	**53000**	204000		224000		19300	
7440-22-4	Silver	C200.7	ug/l	**0.23**	10	U	10	U	10	U
7440-23-5	Sodium	C200.7	ug/l	**680000**	1970000	R	1700000	R	376000	R
7440-28-0	Thallium	C200.7	ug/l	**21.3**	25	U	25	U	25	U
7440-31-5	Tin	C200.7	ug/l	NL	100	U	2.8	J	100	U
7440-36-0	Antimony	C200.7	ug/l	500	8.5	J	4.4	J	60	U
7440-38-2	Arsenic	C200.7	ug/l	**12.5**	14		10	U	10	U
7440-39-3	Barium	C200.7	ug/l	**4**	200	U	200	U	200	U
7440-41-7	Beryllium	C200.7	ug/l	**0.66**	5	U	5	U	5	U
7440-43-9	Cadmium	C200.7	ug/l	**0.12**	5	U	5	U	5	U
7440-47-3	Chromium	C200.7	ug/l	57.5	10	U	6	J	10	U
7440-48-4	Cobalt	C200.7	ug/l	**23**	50	U	50	U	50	U
7440-50-8	Copper	C200.7	ug/l	**3.1**	8.9	J	4.1	J	4.1	J
7440-62-2	Vanadium (Fume Or Dust)	C200.7	ug/l	**20**	50	U	50	U	50	U
7440-66-6	Zinc	C200.7	ug/l	**81**	60	U	60	U	60	U
7440-70-2	Calcium	C200.7	ug/l	**116000**	204000		211000		31000	
7782-49-2	Selenium	C200.7	ug/l	71	2.4	J	2.7	J	35	U

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Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 1 Surface Water - Total

				sys_loc_code:	SW37	
				loc_name:	Area-01	
				sys_sample_code:	RBS-SW37	
				sample_date:	04/22/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SW		
7429-90-5	Aluminum	C200.7	ug/l	**87**	1110	J
7439-89-6	Iron	C200.7	ug/l	**300**	3410	J
7439-92-1	Lead	C200.7	ug/l	**8.1**	37	J
7439-95-4	Magnesium	C200.7	ug/l	**82000**	670000	J
7439-96-5	Manganese	C200.7	ug/l	**120**	163	J
7440-02-0	Nickel	C200.7	ug/l	**8.2**	2.2	J
7440-09-7	Potassium	C200.7	ug/l	**53000**		
7440-22-4	Silver	C200.7	ug/l	**0.23**	10	U
7440-23-5	Sodium	C200.7	ug/l	**680000**		
7440-28-0	Thallium	C200.7	ug/l	**21.3**	25	U
7440-31-5	Tin	C200.7	ug/l	NL		
7440-36-0	Antimony	C200.7	ug/l	500	60	U
7440-38-2	Arsenic	C200.7	ug/l	**12.5**	5.3	J
7440-39-3	Barium	C200.7	ug/l	**4**	200	U
7440-41-7	Beryllium	C200.7	ug/l	**0.66**	5	U
7440-43-9	Cadmium	C200.7	ug/l	**0.12**	5	U
7440-47-3	Chromium	C200.7	ug/l	57.5	10	UJ
7440-48-4	Cobalt	C200.7	ug/l	**23**	50	U
7440-50-8	Copper	C200.7	ug/l	**3.1**	8.6	J
7440-62-2	Vanadium (Fume Or Dust)	C200.7	ug/l	**20**	50	UJ
7440-66-6	Zinc	C200.7	ug/l	**81**	30.8	J
7440-70-2	Calcium	C200.7	ug/l	**116000**	230000	J
7782-49-2	Selenium	C200.7	ug/l	71	35	U

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Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 1 Surface Water-Dissolved

				sys_loc_code:	SW01		SW03		SW04		SW05	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	RBS-SW01D		RBS-SW03D		RBS-SW04D		RBS-SW05D	
				sample_date:	09/10/2008		09/10/2008		09/10/2008		09/10/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SW								
7429-90-5	Aluminum	C200.7	ug/l	87	441		470		673	R	502	J
7439-89-6	Iron	C200.7	ug/l	300	1190	J	1060		1520	R	1140	J
7439-92-1	Lead	C200.7	ug/l	8.1	37.8	J	24.9		31.3	J	11.9	J
7439-95-4	Magnesium	C200.7	ug/l	82000	679000		629000		628000		692000	
7439-96-5	Manganese	C200.7	ug/l	120	115	J	96.8	J	124	J	102	J
7440-02-0	Nickel	C200.7	ug/l	8.2	40	U	40	U	40	U	40	U
7440-09-7	Potassium	C200.7	ug/l	53000	211000		212000		221000		221000	
7440-22-4	Silver	C200.7	ug/l	0.23	10	U	10	U	10	U	10	U
7440-23-5	Sodium	C200.7	ug/l	680000	1610000	R	1660000	R	1540000	R	1750000	R
7440-28-0	Thallium	C200.7	ug/l	21.3	25	U	25	U	25	U	25	U
7440-31-5	Tin	C200.7	ug/l	NL	100	U	100	U	100	U	100	U
7440-36-0	Antimony	C200.7	ug/l	500	2.6	J	60	U	1.6	J	60	U
7440-38-2	Arsenic	C200.7	ug/l	12.5	10	U	10	U	10	U	10	U
7440-39-3	Barium	C200.7	ug/l	4	200	U	200	U	200	U	200	U
7440-41-7	Beryllium	C200.7	ug/l	0.66	5	U	5	U	5	U	5	U
7440-43-9	Cadmium	C200.7	ug/l	0.12	5	U	5	U	5	U	5	U
7440-47-3	Chromium	C200.7	ug/l	57.5	10	U	10	U	10	U	3.3	J
7440-48-4	Cobalt	C200.7	ug/l	23	50	U	50	U	50	U	50	U
7440-50-8	Copper	C200.7	ug/l	3.1	25	U	25	U	25	U	25	U
7440-62-2	Vanadium (Fume Or Dust)	C200.7	ug/l	20	50	U	50	U	50	UJ	50	U
7440-66-6	Zinc	C200.7	ug/l	81	60	U	60	U	60	R	60	U
7440-70-2	Calcium	C200.7	ug/l	116000	207000		194000		198000		212000	
7782-49-2	Selenium	C200.7	ug/l	71	3.3	J	2.5	J	35	U	3.1	J

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Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 1 Surface Water-Dissolved

				sys_loc_code:	SW06		SW07		SW08		SW18	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	RBS-SW06D		RBS-SW07D		RBS-SW08D		RBS-SW18D	
				sample_date:	09/10/2008		09/10/2008		09/10/2008		09/10/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SW								
7429-90-5	Aluminum	C200.7	ug/l	87	614		1140		1290		82.9	J
7439-89-6	Iron	C200.7	ug/l	300	1550		3070		3280		1100	
7439-92-1	Lead	C200.7	ug/l	8.1	17.7	J	152		89.7		10	U
7439-95-4	Magnesium	C200.7	ug/l	82000	712000		583000		657000		42900	
7439-96-5	Manganese	C200.7	ug/l	120	107	J	196	J	177	J	220	J
7440-02-0	Nickel	C200.7	ug/l	8.2	40	U	40	U	40	U	40	U
7440-09-7	Potassium	C200.7	ug/l	53000	226000		208000		217000		18200	
7440-22-4	Silver	C200.7	ug/l	0.23	10	U	10	U	10	U	10	U
7440-23-5	Sodium	C200.7	ug/l	680000	1670000	R	1510000	R	1820000	R	380000	R
7440-28-0	Thallium	C200.7	ug/l	21.3	25	U	25	U	25	U	25	U
7440-31-5	Tin	C200.7	ug/l	NL	0.8	J	100	U	100	U	100	U
7440-36-0	Antimony	C200.7	ug/l	500	60	U	5.9	J	4.3	J	60	U
7440-38-2	Arsenic	C200.7	ug/l	12.5	10	U	11.2		10	U	10	U
7440-39-3	Barium	C200.7	ug/l	4	200	U	200	U	200	U	200	U
7440-41-7	Beryllium	C200.7	ug/l	0.66	5	U	5	U	5	U	5	U
7440-43-9	Cadmium	C200.7	ug/l	0.12	5	U	5	U	5	U	5	U
7440-47-3	Chromium	C200.7	ug/l	57.5	4.6	J	10	U	3.1	J	10	U
7440-48-4	Cobalt	C200.7	ug/l	23	50	UJ	50	U	50	U	50	U
7440-50-8	Copper	C200.7	ug/l	3.1	25	U	8.9	J	3.1	J	25	U
7440-62-2	Vanadium (Fume Or Dust)	C200.7	ug/l	20	50	U	50	U	50	U	50	U
7440-66-6	Zinc	C200.7	ug/l	81	60	U	60	U	60	U	60	U
7440-70-2	Calcium	C200.7	ug/l	116000	214000		187000		202000		28800	
7782-49-2	Selenium	C200.7	ug/l	71	4.1	J	2.4	J	35	U	35	U

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Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 1 Surface Water-Dissolved

				sys_loc_code:	SW37	
				loc_name:	Area-01	
				sys_sample_code:	RBS-SW37D	
				sample_date:	04/22/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SW		
7429-90-5	Aluminum	C200.7	ug/l	87	200	U
7439-89-6	Iron	C200.7	ug/l	300	11.4	J
7439-92-1	Lead	C200.7	ug/l	8.1	10	U
7439-95-4	Magnesium	C200.7	ug/l	82000	695000	J
7439-96-5	Manganese	C200.7	ug/l	120	36.5	J
7440-02-0	Nickel	C200.7	ug/l	8.2	40	U
7440-09-7	Potassium	C200.7	ug/l	53000		
7440-22-4	Silver	C200.7	ug/l	0.23	10	U
7440-23-5	Sodium	C200.7	ug/l	680000		
7440-28-0	Thallium	C200.7	ug/l	21.3	25	U
7440-31-5	Tin	C200.7	ug/l	NL		
7440-36-0	Antimony	C200.7	ug/l	500	60	U
7440-38-2	Arsenic	C200.7	ug/l	12.5	10	U
7440-39-3	Barium	C200.7	ug/l	4	200	U
7440-41-7	Beryllium	C200.7	ug/l	0.66	5	U
7440-43-9	Cadmium	C200.7	ug/l	0.12	5	U
7440-47-3	Chromium	C200.7	ug/l	57.5	10	U
7440-48-4	Cobalt	C200.7	ug/l	23	50	U
7440-50-8	Copper	C200.7	ug/l	3.1	25	U
7440-62-2	Vanadium (Fume Or Dust)	C200.7	ug/l	20	50	UJ
7440-66-6	Zinc	C200.7	ug/l	81	2.3	J
7440-70-2	Calcium	C200.7	ug/l	116000	229000	J
7782-49-2	Selenium	C200.7	ug/l	71	35	U

R2-0000831

Area 2

Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 2 Sediment Samples > 12 inches

				sys_loc_code:	A100		A110		A111		A112		A113	
				loc_name:	Area-02		Area-02		Area-02		Area-02		Area-02	
				sys_sample_code:	A100 12-24		A110 12-24		A111 12-24		A112 12-24		A113 12-24	
				depth	12-24 in		12-24 in		12-24 in		12-24 in		12-24 in	
				sample_date:	06/30/2009		06/30/2009		06/30/2009		06/30/2009		06/30/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED										
7429-90-5	Aluminum	E200.7	mg/kg	7740	3170		1380		1660		1830		1500	
7440-36-0	Antimony	E200.8	mg/kg	2	0.64		0.26	J	0.48	J	0.8	J	31.2	
7440-38-2	Arsenic	E200.8	mg/kg	0.389	5.2		4.2		6.4		2.9		18.7	
7440-39-3	Barium	E200.8	mg/kg	130.1	8.7	J	6.5	J	6.8	J	7.8	J	7.8	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6	1.2		0.1	J	0.4		0.29	J	0.32	
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.35	UJ	0.13	J	0.15	J	0.5	J	0.31	UJ
7440-70-2	Calcium	E200.7	mg/kg	NL	836		612	J	155	J	177	J	7830	
7440-47-3	Chromium	E200.8	mg/kg	52.3	21.4	J	7.3		11.6		8.5		14.4	
7440-48-4	Cobalt	E200.8	mg/kg	2.34	1.3	J	1.3		1.8		1		1.5	
7440-50-8	Copper	E200.8	mg/kg	18.7	5.2	J	5.9		8.4		4.9	J	28.2	J
7439-89-6	Iron	E200.7	mg/kg	2000	10400		4840		6870		5190		14800	
7439-92-1	Lead	E200.8	mg/kg	30.2	13.5		7.3		13.8		9		901	
7439-95-4	Magnesium	E200.7	mg/kg	NL	1070		450	J	328	J	659	U	714	
7439-96-5	Manganese	E200.8	mg/kg	183	15.2	J	6.7		10.8		7.4		39.4	
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.063		0.074		0.12		0.04	U	0.052	
7440-02-0	Nickel	E200.8	mg/kg	15.9	2.9	J	3.4		5.6		3.1		4.5	
7440-09-7	Potassium	E200.7	mg/kg	NL	696	U	631	U	214	J	659	U	626	U
7782-49-2	Selenium	E200.8	mg/kg	2	0.9		0.31	J	0.5	J	0.66	U	0.63	U
7440-22-4	Silver	E200.8	mg/kg	0.73	0.35	UJ	0.32	UJ	0.31	UJ	0.33	UJ	0.31	UJ
7440-23-5	Sodium	E200.7	mg/kg	NL	2260		455	J	926		785		1440	
7440-28-0	Thallium	E200.8	mg/kg	100000	0.7	U	0.63	U	0.62	U	0.66	U	0.63	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	25.9	J	7.5	J	18.3	J	15.6	J	25.6	J
7440-66-6	Zinc	E200.8	mg/kg	124	19.7	J	42.3		65		24	J	44.4	J

R2-0000833

Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 2 Sediment Samples > 12 inches

				sys_loc_code:	A114		A118		A120		A121		A122	
				loc_name:	Area-02		Area-02		Area-02		Area-02		Area-02	
				sys_sample_code:	A114 12-24		A118 12-24		A120 12-24		A121 12-24		A122 12-24	
				depth	12-24 in		12-24 in		12-24 in		12-24 in		12-24 in	
				sample_date:	06/30/2009		07/20/2009		07/20/2009		06/30/2009		06/30/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED										
7429-90-5	Aluminum	E200.7	mg/kg	7740	1010		588	J	2310	J	2230		990	
7440-36-0	Antimony	E200.8	mg/kg	2	23.3		1.3	U	1.3	UJ	6.6		3.9	
7440-38-2	Arsenic	E200.8	mg/kg	0.389	16.2		1.1	J	8.1	J	6.8		1.5	
7440-39-3	Barium	E200.8	mg/kg	130.1	14.4	J	6.4	UJ	5.6	J	5.4	J	5	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.16	J	0.089	J	0.3	J	0.16	J	0.19	J
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.26	UJ	0.32	U	0.31	UJ	0.32	U	0.31	UJ
7440-70-2	Calcium	E200.7	mg/kg	NL	2110		640	U	630	U	304	J	112	J
7440-47-3	Chromium	E200.8	mg/kg	52.3	6.1		1.7		14.9	J	5.7		2.7	
7440-48-4	Cobalt	E200.8	mg/kg	2.34	0.86		0.64	U	1.4	J	0.91	J	0.37	J
7440-50-8	Copper	E200.8	mg/kg	18.7	20.4	J	1.3	U	13.9	J	11.9	J	4.5	J
7439-89-6	Iron	E200.7	mg/kg	2000	14800		823	J	8960	J	9880		4240	
7439-92-1	Lead	E200.8	mg/kg	30.2	648		1.7		14.2	J	172		85.4	
7439-95-4	Magnesium	E200.7	mg/kg	NL	524	U	640	UJ	630	UJ	649	U	628	U
7439-96-5	Manganese	E200.8	mg/kg	183	47.2		1.2		13.8	J	26.8		4.2	
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.031	U	0.038	U	0.14	J	0.069		0.038	U
7440-02-0	Nickel	E200.8	mg/kg	15.9	3.3		0.8		5.1	J	2.2	J	1.1	
7440-09-7	Potassium	E200.7	mg/kg	NL	524	U	640	U	630	U	649	U	628	U
7782-49-2	Selenium	E200.8	mg/kg	2	0.52	U	0.64	U	0.66	J	0.65	U	0.63	U
7440-22-4	Silver	E200.8	mg/kg	0.73	0.26	UJ	0.32	UJ	0.31	UJ	0.32	U	0.31	UJ
7440-23-5	Sodium	E200.7	mg/kg	NL	524	U	1190	J	718	J	827		720	
7440-28-0	Thallium	E200.8	mg/kg	100000	0.52	U	0.64	U	0.63	UJ	0.65	U	0.63	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	14.1	J	1.3	J	20.8	J	10	J	6.1	J
7440-66-6	Zinc	E200.8	mg/kg	124	36.9	J	2.6		47.4	J	30.3	J	7.7	J

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Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 2 Sediment Samples > 12 inches

				sys_loc_code:	A124		A125		A126		A127		A128	
				loc_name:	Area-02		Area-02		Area-02		Area-02		Area-02	
				sys_sample_code:	A124 12-24		A125 12-24		A126 12-24		A127 12-24		A128 12-24	
				depth	12-24 in		12-24 in		12-24 in		12-24 in		12-24 in	
				sample_date:	06/30/2009		07/21/2009		07/21/2009		06/30/2009		06/30/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED										
7429-90-5	Aluminum	E200.7	mg/kg	7740	630		327		2080		1950		1810	
7440-36-0	Antimony	E200.8	mg/kg	2	24.6		1.3	J	1.3	J	0.46	J	1.3	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389	14.5		1.6		7.2		6.6		1.6	
7440-39-3	Barium	E200.8	mg/kg	130.1	8.2	J	6.3	J	6.3	J	5.5	J	7.5	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.092	J	0.31	U	0.17	J	0.2	J	0.48	
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.27	UJ	0.31	J	0.31	J	0.16	J	0.043	J
7440-70-2	Calcium	E200.7	mg/kg	NL	390	J	630	UJ	177	J	193	J	377	J
7440-47-3	Chromium	E200.8	mg/kg	52.3	4.4		1.3	J	11.6		11.1		9.6	
7440-48-4	Cobalt	E200.8	mg/kg	2.34	0.56		0.63	J	0.94		1.4		0.33	J
7440-50-8	Copper	E200.8	mg/kg	18.7	28.4	J	1.3	J	16.3		9.5		3.6	
7439-89-6	Iron	E200.7	mg/kg	2000	16900		1640	J	8080	J	12700		5720	
7439-92-1	Lead	E200.8	mg/kg	30.2	381		1.4		34.3		11.8		6.5	
7439-95-4	Magnesium	E200.7	mg/kg	NL	532	U	33.2	J	433	J	364	J	526	J
7439-96-5	Manganese	E200.8	mg/kg	183	20.3		0.9		16.3		13.3		8.8	
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.032	U	0.038	J	0.17		0.15		0.12	
7440-02-0	Nickel	E200.8	mg/kg	15.9	2.3		1		4.4		5.3		1.3	
7440-09-7	Potassium	E200.7	mg/kg	NL	532	U	630	U	628	U	628	U	637	U
7782-49-2	Selenium	E200.8	mg/kg	2	0.53	U	0.63	U	0.51	J	0.57	J	0.64	U
7440-22-4	Silver	E200.8	mg/kg	0.73	0.27	UJ	0.31	J	0.31	J	0.31	UJ	0.32	UJ
7440-23-5	Sodium	E200.7	mg/kg	NL	532	U	233	J	677		474	J	606	J
7440-28-0	Thallium	E200.8	mg/kg	100000	0.53	U	0.63	J	0.63	J	0.63	U	0.64	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	6.2	J	0.25	J	12.3		16.4	J	7.9	J
7440-66-6	Zinc	E200.8	mg/kg	124	17.6	J	4.4		43.1		35.1		8.6	

R2-0000835

Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 2 Sediment Samples > 12 inches

				sys_loc_code:	A131		A160		A161		A162		A163	
				loc_name:	Area-02		Area-02		Area-02		Area-02		Area-02	
				sys_sample_code:	A131 12-24		A160 12-24		A161 12-24		A162 12-24		A163 12-24	
				depth	12-24 in		12-24 in		12-24 in		12-24 in		12-24 in	
				sample_date:	06/30/2009		07/21/2009		07/22/2009		07/22/2009		07/22/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED										
7429-90-5	Aluminum	E200.7	mg/kg	7740	477		499		212		503		867	
7440-36-0	Antimony	E200.8	mg/kg	2	0.16	J	1.2	U	1.3	U	1.3	U	1.2	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389	0.63		3.7	J	0.97	J	2.9	J	6.3	J
7440-39-3	Barium	E200.8	mg/kg	130.1	4.7	J	6.3	U	6.4	U	6.5	U	6.3	U
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.13	J	0.31	U	0.32	U	0.32	U	0.31	U
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.018	J	0.31	U	0.32	U	0.32	U	0.31	U
7440-70-2	Calcium	E200.7	mg/kg	NL	82.2	J	255	J	77.3	J	115	J	334	J
7440-47-3	Chromium	E200.8	mg/kg	52.3	2.3		2.3		1.3	UJ	2.7	J	8.8	J
7440-48-4	Cobalt	E200.8	mg/kg	2.34	0.25	J	0.63	U	0.64	U	0.65	U	1.7	
7440-50-8	Copper	E200.8	mg/kg	18.7	1.3		2.5		1.3	UJ	2.9	J	4.1	J
7439-89-6	Iron	E200.7	mg/kg	2000	1010		1830		434		1860		6990	
7439-92-1	Lead	E200.8	mg/kg	30.2	3.1		2.8		1.2		2.7		6.5	
7439-95-4	Magnesium	E200.7	mg/kg	NL	196	J	343	J	194	J	210	J	184	J
7439-96-5	Manganese	E200.8	mg/kg	183	7.8		3.7		1.1		3.7		14.2	
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.037	U	0.038	U	0.039	U	0.045		0.039	
7440-02-0	Nickel	E200.8	mg/kg	15.9	0.99		1		0.64	U	1.5		4.7	
7440-09-7	Potassium	E200.7	mg/kg	NL	609	U	627	U	96.8	J	147	J	198	J
7782-49-2	Selenium	E200.8	mg/kg	2	0.61	U	0.63	U	0.64	U	0.65	U	0.35	J
7440-22-4	Silver	E200.8	mg/kg	0.73	0.3	U	0.31	U	0.32	U	0.32	U	0.31	U
7440-23-5	Sodium	E200.7	mg/kg	NL	919		1830		1500		1200		964	
7440-28-0	Thallium	E200.8	mg/kg	100000	0.61	U	0.63	U	0.64	U	0.65	U	0.63	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	3.5	J	1.2	J	0.64	U	2.1		2.3	
7440-66-6	Zinc	E200.8	mg/kg	124	3.7		5.5		1.5	J	8.4	J	12.4	J

R2-0000836

Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 2 Sediment Samples > 12 inches

				sys_loc_code:	A164	
				loc_name:	Area-02	
				sys_sample_code:	A164 12-24	
				depth	12-24 in	
				sample_date:	07/22/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED		
7429-90-5	Aluminum	E200.7	mg/kg	7740	2210	
7440-36-0	Antimony	E200.8	mg/kg	2	1.2	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389	11.7	J
7440-39-3	Barium	E200.8	mg/kg	130.1	6.2	U
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.31	U
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.31	U
7440-70-2	Calcium	E200.7	mg/kg	NL	247	J
7440-47-3	Chromium	E200.8	mg/kg	52.3	9.3	J
7440-48-4	Cobalt	E200.8	mg/kg	2.34	1.8	
7440-50-8	Copper	E200.8	mg/kg	18.7	11.9	J
7439-89-6	Iron	E200.7	mg/kg	2000	26300	
7439-92-1	Lead	E200.8	mg/kg	30.2	29.4	
7439-95-4	Magnesium	E200.7	mg/kg	NL	599	J
7439-96-5	Manganese	E200.8	mg/kg	183	27.8	
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.12	
7440-02-0	Nickel	E200.8	mg/kg	15.9	6.4	
7440-09-7	Potassium	E200.7	mg/kg	NL	403	J
7782-49-2	Selenium	E200.8	mg/kg	2	0.71	
7440-22-4	Silver	E200.8	mg/kg	0.73	0.31	U
7440-23-5	Sodium	E200.7	mg/kg	NL	1340	
7440-28-0	Thallium	E200.8	mg/kg	100000	0.62	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	80.5	
7440-66-6	Zinc	E200.8	mg/kg	124	31.2	J

R2-0000837

Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 2 Sediment Samples < 12 inches

				sys_loc_code:	SED27		SED28		SED29		SED30	
				loc_name:	Area-02		Area-02		Area-02		Area-02	
				sys_sample_code:	RBS-SED27		RBS-SED28		RBS-SED29		RBS-SED30	
				depth	0-3 in		0-3 in		0-3 in		0-3 in	
				sample_date:	09/11/2008		09/11/2008		09/11/2008		09/11/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	C200.7	mg/kg	7740	1280	J	757	J	1670	J	1770	J
7440-36-0	Antimony	C200.7	mg/kg	2	8.8	J	14	J	4.6	J	32.9	J
7440-38-2	Arsenic	C200.7	mg/kg	0.389	22.2	J	10.2	J	5.1	J	48.2	J
7440-39-3	Barium	C200.7	mg/kg	130.1	6	J	5.7	J	7.2	J	5.9	J
7440-41-7	Beryllium	C200.7	mg/kg	15.6	0.23	J	0.064	J	0.026	J	0.27	J
7440-43-9	Cadmium	C200.7	mg/kg	0.68	0.62	U	0.69	U	0.65	U	0.015	J
7440-70-2	Calcium	C200.7	mg/kg	NL	9700		688	R	894	R	7560	
7440-47-3	Chromium	C200.7	mg/kg	52.3	12.9		5.6	J	8.4		14.6	
7440-48-4	Cobalt	C200.7	mg/kg	2.34	0.88	J	0.38	J	1.1	J	4	J
7440-50-8	Copper	C200.7	mg/kg	18.7	14.3	J	13.7	J	15.7	J	46.7	J
7439-89-6	Iron	C200.7	mg/kg	2000	20700	J	7720	J	7770	J	26200	J
7439-92-1	Lead	C200.7	mg/kg	30.2	311		394		200		530	
7439-95-4	Magnesium	C200.7	mg/kg	NL	633		530	J	817		679	
7439-96-5	Manganese	C200.7	mg/kg	183	56.3		20.5	J	27.4	J	66.3	
7440-02-0	Nickel	C200.7	mg/kg	15.9	3.1	J	1.4	J	2.7	J	14.5	
7440-09-7	Potassium	C200.7	mg/kg	NL	186	J	260	J	424	J	222	J
7782-49-2	Selenium	C200.7	mg/kg	2	1.2	J	4.8	UJ	0.7	J	1.3	J
7440-22-4	Silver	C200.7	mg/kg	0.73	1.2	U	1.4	U	1.3	U	0.3	J
7440-23-5	Sodium	C200.7	mg/kg	NL	1720		2780		2190		1230	
7440-28-0	Thallium	C200.7	mg/kg	100000	3.1	U	3.4	U	3.2	U	2.9	U
7440-31-5	Tin	C200.7	mg/kg	NL	12.4	U	17.8		13	U	27	
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548	26.1		9.9		13.4		30.2	
7440-66-6	Zinc	C200.7	mg/kg	124	43.6		26		27.2		65.7	
7440-36-0	Antimony	E200.8	mg/kg	2								
7440-38-2	Arsenic	E200.8	mg/kg	0.389								
7440-39-3	Barium	E200.8	mg/kg	130.1								
7440-41-7	Beryllium	E200.8	mg/kg	15.6								
7440-43-9	Cadmium	E200.8	mg/kg	0.68								
7440-47-3	Chromium	E200.8	mg/kg	52.3								
7440-48-4	Cobalt	E200.8	mg/kg	2.34								
7440-50-8	Copper	E200.8	mg/kg	18.7								
7439-92-1	Lead	E200.8	mg/kg	30.2								
7439-96-5	Manganese	E200.8	mg/kg	183								
7440-02-0	Nickel	E200.8	mg/kg	15.9								
7782-49-2	Selenium	E200.8	mg/kg	2								
7440-22-4	Silver	E200.8	mg/kg	0.73								
7440-28-0	Thallium	E200.8	mg/kg	100000								
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548								
7440-66-6	Zinc	E200.8	mg/kg	124								
7439-97-6	Mercury	E245.5	mg/kg	0.13								
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6								
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357								

R2-0000838

Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 2 Sediment Samples < 12 inches

				sys_loc_code:	SED27		SED28		SED29		SED30	
				loc_name:	Area-02		Area-02		Area-02		Area-02	
				sys_sample_code:	RBS-SED27		RBS-SED28		RBS-SED29		RBS-SED30	
				depth	0-3 in		0-3 in		0-3 in		0-3 in	
				sample_date:	09/11/2008		09/11/2008		09/11/2008		09/11/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
309-00-2	Aldrin	CPEST	ug/kg	2								
319-84-6	Alpha-Bhc	CPEST	ug/kg	3								
319-85-7	Beta-Bhc	CPEST	ug/kg	3								
319-86-8	Delta-Bhc	CPEST	ug/kg	3								
33213-65-9	Endosulfan II	CPEST	ug/kg	14								
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19								
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7								
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7								
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL								
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32								
60-57-1	Dieldrin	CPEST	ug/kg	0.72								
72-20-8	Endrin	CPEST	ug/kg	2.67								
72-43-5	Methoxychlor	CPEST	ug/kg	29.6								
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22								
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07								
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL								
76-44-8	Heptachlor	CPEST	ug/kg	68								
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1								
959-98-8	Endosulfan I	CPEST	ug/kg	2.9								
11096-82-5	Aroclor 1260	E608	ug/kg	21.6								
11097-69-1	Aroclor 1254	E608	ug/kg	23								
11100-14-4	Aroclor 1268	E608	ug/kg	21.6								
11104-28-2	Aroclor 1221	E608	ug/kg	21.6								
11141-16-5	Aroclor 1232	E608	ug/kg	21.6								
12672-29-6	Aroclor 1248	E608	ug/kg	21.6								
12674-11-2	Aroclor 1016	E608	ug/kg	21.6								
37324-23-5	Aroclor 1262	E608	ug/kg	21.6								
53469-21-9	Aroclor 1242	E608	ug/kg	21.6								
100-41-4	Ethylbenzene	E624	ug/kg	305								
100-42-5	Styrene	E624	ug/kg	7070								
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL								
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL								
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460								
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7								
107-06-2	1,2-Dichloroethane	E624	ug/kg	432								
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000								
108-87-2	Methylcyclohexane	E624	ug/kg	NL								
108-88-3	Toluene	E624	ug/kg	1090								
108-90-7	Chlorobenzene	E624	ug/kg	162								
110-82-7	Cyclohexane	E624	ug/kg	117000								
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473								
123-91-1	1,4-Dioxane	E624	ug/kg	44100								

R2-0000839

				sys_loc_code:	SED27		SED28		SED29		SED30	
				loc_name:	Area-02		Area-02		Area-02		Area-02	
				sys_sample_code:	RBS-SED27		RBS-SED28		RBS-SED29		RBS-SED30	
				depth	0-3 in		0-3 in		0-3 in		0-3 in	
				sample_date:	09/11/2008		09/11/2008		09/11/2008		09/11/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
124-48-1	Dibromochloromethane	E624	ug/kg	680								
127-18-4	Tetrachloroethene	E624	ug/kg	190								
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200								
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300								
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300								
179601-23-1	m,p-Xylene	E624	ug/kg	NL								
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842								
56-23-5	Carbon tetrachloride	E624	ug/kg	248								
591-78-6	2-Hexanone	E624	ug/kg	20900								
67-64-1	Acetone	E624	ug/kg	6130000								
67-66-3	Chloroform	E624	ug/kg	295								
71-43-2	Benzene	E624	ug/kg	137								
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856								
74-83-9	Bromomethane	E624	ug/kg	732								
74-87-3	Chloromethane	E624	ug/kg	11900								
74-97-5	Bromochloromethane	E624	ug/kg	NL								
75-00-3	Chloroethane	E624	ug/kg	1450000								
75-01-4	Vinyl Chloride	E624	ug/kg	59.7								
75-09-2	Methylene chloride	E624	ug/kg	10700								
75-15-0	Carbon Disulfide	E624	ug/kg	0.851								
75-25-2	Bromoform	E624	ug/kg	1310								
75-27-4	Bromodichloromethane	E624	ug/kg	273								
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310								
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780								
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700								
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400								
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000								
78-87-5	1,2-Dichloropropane	E624	ug/kg	895								
78-93-3	2-Butanone	E624	ug/kg	2780000								
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570								
79-01-6	Trichloroethene	E624	ug/kg	1600								
79-20-9	Methyl Acetate	E624	ug/kg	7820000								
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202								
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858								
95-47-6	o-Xylene	E624	ug/kg	NL								
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989								
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35								
98-82-8	Isopropylbenzene	E624	ug/kg	86								
100-01-6	4-Nitroaniline	E625	ug/kg	24300								
100-02-7	4-Nitrophenol	E625	ug/kg	NL								
100-52-7	Benzaldehyde	E625	ug/kg	782000								
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230								

R2-0000840

				sys_loc_code:	SED27		SED28		SED29		SED30	
				loc_name:	Area-02		Area-02		Area-02		Area-02	
				sys_sample_code:	RBS-SED27		RBS-SED28		RBS-SED29		RBS-SED30	
				depth	0-3 in		0-3 in		0-3 in		0-3 in	
				sample_date:	09/11/2008		09/11/2008		09/11/2008		09/11/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
105-60-2	Caprolactam	E625	ug/kg	3060000								
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29								
106-44-5	4-Methylphenol	E625	ug/kg	670								
106-47-8	4-Chloroaniline	E625	ug/kg	2430								
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570								
108-95-2	Phenol	E625	ug/kg	420								
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214								
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300								
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182								
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL								
118-74-1	Hexachlorobenzene	E625	ug/kg	20								
120-12-7	Anthracene	E625	ug/kg	46.9								
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117								
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6								
129-00-0	Pyrene	E625	ug/kg	153								
131-11-3	Dimethylphthalate	E625	ug/kg	NL								
132-64-9	Dibenzofuran	E625	ug/kg	7300								
1912-24-9	Atrazine	E625	ug/kg	6.62								
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170								
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17								
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148								
206-44-0	Fluoranthene	E625	ug/kg	113								
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240								
208-96-8	Acenaphthylene	E625	ug/kg	5.87								
218-01-9	Chrysene	E625	ug/kg	108								
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8								
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200								
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611								
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22								
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8								
58-90-2	Chlorophenols	E625	ug/kg	284								
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000								
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120								
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4								
67-72-1	Hexachloroethane	E625	ug/kg	804								
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL								
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139								
78-59-1	Isophorone	E625	ug/kg	511000								
83-32-9	Acenaphthene	E625	ug/kg	6.71								
84-66-2	Diethylphthalate	E625	ug/kg	218								
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160								
85-01-8	Phenanthrene	E625	ug/kg	86.7								

R2-0000841

				sys_loc_code:	SED27		SED28		SED29		SED30	
				loc_name:	Area-02		Area-02		Area-02		Area-02	
				sys_sample_code:	RBS-SED27		RBS-SED28		RBS-SED29		RBS-SED30	
				depth	0-3 in		0-3 in		0-3 in		0-3 in	
				sample_date:	09/11/2008		09/11/2008		09/11/2008		09/11/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800								
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100								
86-73-7	Fluorene	E625	ug/kg	19								
86-74-8	Carbazole	E625	ug/kg	NL								
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110								
87-86-5	Pentachlorophenol	E625	ug/kg	2970								
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650								
88-74-4	2-Nitroaniline	E625	ug/kg	60600								
88-75-5	2-Nitrophenol	E625	ug/kg	NL								
91-20-3	Naphthalene	E625	ug/kg	34.6								
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2								
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000								
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080								
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220								
95-48-7	2-Methylphenol	E625	ug/kg	306000								
95-57-8	2-Chlorophenol	E625	ug/kg	344								
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830								
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819								
98-86-2	Acetophenone	E625	ug/kg	782000								
98-95-3	Nitrobenzene	E625	ug/kg	4790								
99-09-2	3-Nitroaniline	E625	ug/kg	NL								

R2-0000842

Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 2 Sediment Samples < 12 inches

				sys_loc_code:	SED31		SED32		SED33		SED34	
				loc_name:	Area-02		Area-02		Area-02		Area-02	
				sys_sample_code:	RBS-SED31		RBS-SED32		RBS-SED33		RBS-SED34	
				depth	0-3 in		0-3 in		0-3 in		0-3 in	
				sample_date:	09/11/2008		09/11/2008		09/11/2008		09/11/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	C200.7	mg/kg	7740	718	J	1440	J	2810	J	1060	J
7440-36-0	Antimony	C200.7	mg/kg	2	9.6	J	8.6	J	31.3	J	6.6	J
7440-38-2	Arsenic	C200.7	mg/kg	0.389	10.4	J	10.4	J	55.7	J	10.2	J
7440-39-3	Barium	C200.7	mg/kg	130.1	5.9	J	5.7	J	23.6	UJ	29	UJ
7440-41-7	Beryllium	C200.7	mg/kg	15.6	0.062	J	0.44	J	0.87	J	0.099	J
7440-43-9	Cadmium	C200.7	mg/kg	0.68	0.73	U	0.011	J	0.18	J	0.73	U
7440-70-2	Calcium	C200.7	mg/kg	NL	727	R	1690	R	5600		726	R
7440-47-3	Chromium	C200.7	mg/kg	52.3	4.3	J	10.1		32.6		6.5	J
7440-48-4	Cobalt	C200.7	mg/kg	2.34	0.34	J	0.67	J	2	J	0.5	J
7440-50-8	Copper	C200.7	mg/kg	18.7	12.7	J	18.8	J	26.3	J	17.2	J
7439-89-6	Iron	C200.7	mg/kg	2000	7530	J	12300	J	68300	J	8710	J
7439-92-1	Lead	C200.7	mg/kg	30.2	280		318		533		307	
7439-95-4	Magnesium	C200.7	mg/kg	NL	514	J	719		851		636	J
7439-96-5	Manganese	C200.7	mg/kg	183	32.8	J	26.5	J	116		26	J
7440-02-0	Nickel	C200.7	mg/kg	15.9	1.4	J	2.1	J	7.4		1.8	J
7440-09-7	Potassium	C200.7	mg/kg	NL	255	J	321	J	291	J	334	J
7782-49-2	Selenium	C200.7	mg/kg	2	0.64	J	0.61	J	1.3	J	0.7	J
7440-22-4	Silver	C200.7	mg/kg	0.73	1.5	U	1.4	U	0.11	J	0.13	J
7440-23-5	Sodium	C200.7	mg/kg	NL	2670		3090		1470		2950	
7440-28-0	Thallium	C200.7	mg/kg	100000	3.6	U	3.6	U	3	U	3.6	U
7440-31-5	Tin	C200.7	mg/kg	NL	14.5	U	16.6		30.1		20.8	
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548	9.6		24.6		53.9		12.1	
7440-66-6	Zinc	C200.7	mg/kg	124	24.3		34		114		32.9	
7440-36-0	Antimony	E200.8	mg/kg	2								
7440-38-2	Arsenic	E200.8	mg/kg	0.389								
7440-39-3	Barium	E200.8	mg/kg	130.1								
7440-41-7	Beryllium	E200.8	mg/kg	15.6								
7440-43-9	Cadmium	E200.8	mg/kg	0.68								
7440-47-3	Chromium	E200.8	mg/kg	52.3								
7440-48-4	Cobalt	E200.8	mg/kg	2.34								
7440-50-8	Copper	E200.8	mg/kg	18.7								
7439-92-1	Lead	E200.8	mg/kg	30.2								
7439-96-5	Manganese	E200.8	mg/kg	183								
7440-02-0	Nickel	E200.8	mg/kg	15.9								
7782-49-2	Selenium	E200.8	mg/kg	2								
7440-22-4	Silver	E200.8	mg/kg	0.73								
7440-28-0	Thallium	E200.8	mg/kg	100000								
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548								
7440-66-6	Zinc	E200.8	mg/kg	124								
7439-97-6	Mercury	E245.5	mg/kg	0.13								
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6								
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357								

R2-0000843

				sys_loc_code:	SED31		SED32		SED33		SED34	
				loc_name:	Area-02		Area-02		Area-02		Area-02	
				sys_sample_code:	RBS-SED31		RBS-SED32		RBS-SED33		RBS-SED34	
				depth	0-3 in		0-3 in		0-3 in		0-3 in	
				sample_date:	09/11/2008		09/11/2008		09/11/2008		09/11/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
309-00-2	Aldrin	CPEST	ug/kg	2								
319-84-6	Alpha-Bhc	CPEST	ug/kg	3								
319-85-7	Beta-Bhc	CPEST	ug/kg	3								
319-86-8	Delta-Bhc	CPEST	ug/kg	3								
33213-65-9	Endosulfan II	CPEST	ug/kg	14								
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19								
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7								
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7								
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL								
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32								
60-57-1	Dieldrin	CPEST	ug/kg	0.72								
72-20-8	Endrin	CPEST	ug/kg	2.67								
72-43-5	Methoxychlor	CPEST	ug/kg	29.6								
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22								
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07								
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL								
76-44-8	Heptachlor	CPEST	ug/kg	68								
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1								
959-98-8	Endosulfan I	CPEST	ug/kg	2.9								
11096-82-5	Aroclor 1260	E608	ug/kg	21.6								
11097-69-1	Aroclor 1254	E608	ug/kg	23								
11100-14-4	Aroclor 1268	E608	ug/kg	21.6								
11104-28-2	Aroclor 1221	E608	ug/kg	21.6								
11141-16-5	Aroclor 1232	E608	ug/kg	21.6								
12672-29-6	Aroclor 1248	E608	ug/kg	21.6								
12674-11-2	Aroclor 1016	E608	ug/kg	21.6								
37324-23-5	Aroclor 1262	E608	ug/kg	21.6								
53469-21-9	Aroclor 1242	E608	ug/kg	21.6								
100-41-4	Ethylbenzene	E624	ug/kg	305								
100-42-5	Styrene	E624	ug/kg	7070								
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL								
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL								
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460								
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7								
107-06-2	1,2-Dichloroethane	E624	ug/kg	432								
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000								
108-87-2	Methylcyclohexane	E624	ug/kg	NL								
108-88-3	Toluene	E624	ug/kg	1090								
108-90-7	Chlorobenzene	E624	ug/kg	162								
110-82-7	Cyclohexane	E624	ug/kg	117000								
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473								
123-91-1	1,4-Dioxane	E624	ug/kg	44100								

R2-0000844

				sys_loc_code:	SED31		SED32		SED33		SED34	
				loc_name:	Area-02		Area-02		Area-02		Area-02	
				sys_sample_code:	RBS-SED31		RBS-SED32		RBS-SED33		RBS-SED34	
				depth	0-3 in		0-3 in		0-3 in		0-3 in	
				sample_date:	09/11/2008		09/11/2008		09/11/2008		09/11/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
124-48-1	Dibromochloromethane	E624	ug/kg	680								
127-18-4	Tetrachloroethene	E624	ug/kg	190								
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200								
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300								
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300								
179601-23-1	m,p-Xylene	E624	ug/kg	NL								
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842								
56-23-5	Carbon tetrachloride	E624	ug/kg	248								
591-78-6	2-Hexanone	E624	ug/kg	20900								
67-64-1	Acetone	E624	ug/kg	6130000								
67-66-3	Chloroform	E624	ug/kg	295								
71-43-2	Benzene	E624	ug/kg	137								
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856								
74-83-9	Bromomethane	E624	ug/kg	732								
74-87-3	Chloromethane	E624	ug/kg	11900								
74-97-5	Bromochloromethane	E624	ug/kg	NL								
75-00-3	Chloroethane	E624	ug/kg	1450000								
75-01-4	Vinyl Chloride	E624	ug/kg	59.7								
75-09-2	Methylene chloride	E624	ug/kg	10700								
75-15-0	Carbon Disulfide	E624	ug/kg	0.851								
75-25-2	Bromoform	E624	ug/kg	1310								
75-27-4	Bromodichloromethane	E624	ug/kg	273								
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310								
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780								
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700								
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400								
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000								
78-87-5	1,2-Dichloropropane	E624	ug/kg	895								
78-93-3	2-Butanone	E624	ug/kg	2780000								
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570								
79-01-6	Trichloroethene	E624	ug/kg	1600								
79-20-9	Methyl Acetate	E624	ug/kg	7820000								
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202								
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858								
95-47-6	o-Xylene	E624	ug/kg	NL								
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989								
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35								
98-82-8	Isopropylbenzene	E624	ug/kg	86								
100-01-6	4-Nitroaniline	E625	ug/kg	24300								
100-02-7	4-Nitrophenol	E625	ug/kg	NL								
100-52-7	Benzaldehyde	E625	ug/kg	782000								
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230								

R2-0000845

				sys_loc_code:	SED31		SED32		SED33		SED34	
				loc_name:	Area-02		Area-02		Area-02		Area-02	
				sys_sample_code:	RBS-SED31		RBS-SED32		RBS-SED33		RBS-SED34	
				depth	0-3 in		0-3 in		0-3 in		0-3 in	
				sample_date:	09/11/2008		09/11/2008		09/11/2008		09/11/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
105-60-2	Caprolactam	E625	ug/kg	3060000								
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29								
106-44-5	4-Methylphenol	E625	ug/kg	670								
106-47-8	4-Chloroaniline	E625	ug/kg	2430								
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570								
108-95-2	Phenol	E625	ug/kg	420								
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214								
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300								
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182								
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL								
118-74-1	Hexachlorobenzene	E625	ug/kg	20								
120-12-7	Anthracene	E625	ug/kg	46.9								
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117								
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6								
129-00-0	Pyrene	E625	ug/kg	153								
131-11-3	Dimethylphthalate	E625	ug/kg	NL								
132-64-9	Dibenzofuran	E625	ug/kg	7300								
1912-24-9	Atrazine	E625	ug/kg	6.62								
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170								
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17								
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148								
206-44-0	Fluoranthene	E625	ug/kg	113								
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240								
208-96-8	Acenaphthylene	E625	ug/kg	5.87								
218-01-9	Chrysene	E625	ug/kg	108								
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8								
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200								
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611								
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22								
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8								
58-90-2	Chlorophenols	E625	ug/kg	284								
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000								
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120								
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4								
67-72-1	Hexachloroethane	E625	ug/kg	804								
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL								
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139								
78-59-1	Isophorone	E625	ug/kg	511000								
83-32-9	Acenaphthene	E625	ug/kg	6.71								
84-66-2	Diethylphthalate	E625	ug/kg	218								
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160								
85-01-8	Phenanthrene	E625	ug/kg	86.7								

R2-0000846

				sys_loc_code:	SED31		SED32		SED33		SED34	
				loc_name:	Area-02		Area-02		Area-02		Area-02	
				sys_sample_code:	RBS-SED31		RBS-SED32		RBS-SED33		RBS-SED34	
				depth	0-3 in		0-3 in		0-3 in		0-3 in	
				sample_date:	09/11/2008		09/11/2008		09/11/2008		09/11/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800								
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100								
86-73-7	Fluorene	E625	ug/kg	19								
86-74-8	Carbazole	E625	ug/kg	NL								
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110								
87-86-5	Pentachlorophenol	E625	ug/kg	2970								
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650								
88-74-4	2-Nitroaniline	E625	ug/kg	60600								
88-75-5	2-Nitrophenol	E625	ug/kg	NL								
91-20-3	Naphthalene	E625	ug/kg	34.6								
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2								
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000								
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080								
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220								
95-48-7	2-Methylphenol	E625	ug/kg	306000								
95-57-8	2-Chlorophenol	E625	ug/kg	344								
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830								
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819								
98-86-2	Acetophenone	E625	ug/kg	782000								
98-95-3	Nitrobenzene	E625	ug/kg	4790								
99-09-2	3-Nitroaniline	E625	ug/kg	NL								

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Raritan Bay Slag Superfund Site
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				sys_loc_code:	SED35		SED81		SED82		SED83	
				loc_name:	Area-02		Area-02		Area-02		Area-02	
				sys_sample_code:	RBS-SED35		RBS-SED81		RBS-SED82		RBS-SED83	
				depth	0-3 in		0-3 in		0-3 in		0-3 in	
				sample_date:	09/11/2008		09/11/2008		09/11/2008		09/11/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	C200.7	mg/kg	7740	1220	J	568	J	1220	J	1020	J
7440-36-0	Antimony	C200.7	mg/kg	2	6.7	J	14.1	J	8.9	J	7.1	J
7440-38-2	Arsenic	C200.7	mg/kg	0.389	6.3	J	12.6	J	10.4	J	7.4	J
7440-39-3	Barium	C200.7	mg/kg	130.1	29.1	UJ	25.3	UJ	27.9	UJ	26.2	UJ
7440-41-7	Beryllium	C200.7	mg/kg	15.6	0.09	J	0.074	J	0.12	J	0.1	J
7440-43-9	Cadmium	C200.7	mg/kg	0.68	0.73	U	0.63	U	0.092	J	0.015	J
7440-70-2	Calcium	C200.7	mg/kg	NL	729	R	633	R	1840	R	654	R
7440-47-3	Chromium	C200.7	mg/kg	52.3	5.6	J	4.5	J	6.1	J	5.4	J
7440-48-4	Cobalt	C200.7	mg/kg	2.34	0.64	J	0.42	J	0.62	J	0.64	J
7440-50-8	Copper	C200.7	mg/kg	18.7	29.2	J	22.3	J	24.6	J	17.7	J
7439-89-6	Iron	C200.7	mg/kg	2000	7220	J	7270	J	8140	J	8000	J
7439-92-1	Lead	C200.7	mg/kg	30.2	304		463		422		318	
7439-95-4	Magnesium	C200.7	mg/kg	NL	679	J	312	J	687	J	498	J
7439-96-5	Manganese	C200.7	mg/kg	183	20.6	J	38.3		27.6	J	18.7	J
7440-02-0	Nickel	C200.7	mg/kg	15.9	2.4	J	1.9	J	2.5	J	1.9	J
7440-09-7	Potassium	C200.7	mg/kg	NL	344	J	151	J	360	J	261	J
7782-49-2	Selenium	C200.7	mg/kg	2	0.5	J	0.6	J	0.69	J	0.67	J
7440-22-4	Silver	C200.7	mg/kg	0.73	1.5	U	1.3	U	0.12	J	0.21	J
7440-23-5	Sodium	C200.7	mg/kg	NL	2840		1550		2620		2020	
7440-28-0	Thallium	C200.7	mg/kg	100000	3.6	U	3.2	U	3.5	U	3.3	U
7440-31-5	Tin	C200.7	mg/kg	NL	14.6	U	25.8		18.3		17.4	
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548	11		9.4		12.1		11.1	
7440-66-6	Zinc	C200.7	mg/kg	124	35.4		25.3		41.9		34	
7440-36-0	Antimony	E200.8	mg/kg	2								
7440-38-2	Arsenic	E200.8	mg/kg	0.389								
7440-39-3	Barium	E200.8	mg/kg	130.1								
7440-41-7	Beryllium	E200.8	mg/kg	15.6								
7440-43-9	Cadmium	E200.8	mg/kg	0.68								
7440-47-3	Chromium	E200.8	mg/kg	52.3								
7440-48-4	Cobalt	E200.8	mg/kg	2.34								
7440-50-8	Copper	E200.8	mg/kg	18.7								
7439-92-1	Lead	E200.8	mg/kg	30.2								
7439-96-5	Manganese	E200.8	mg/kg	183								
7440-02-0	Nickel	E200.8	mg/kg	15.9								
7782-49-2	Selenium	E200.8	mg/kg	2								
7440-22-4	Silver	E200.8	mg/kg	0.73								
7440-28-0	Thallium	E200.8	mg/kg	100000								
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548								
7440-66-6	Zinc	E200.8	mg/kg	124								
7439-97-6	Mercury	E245.5	mg/kg	0.13								
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6								
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357								

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				sys_loc_code:	SED35		SED81		SED82		SED83	
				loc_name:	Area-02		Area-02		Area-02		Area-02	
				sys_sample_code:	RBS-SED35		RBS-SED81		RBS-SED82		RBS-SED83	
				depth	0-3 in		0-3 in		0-3 in		0-3 in	
				sample_date:	09/11/2008		09/11/2008		09/11/2008		09/11/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
309-00-2	Aldrin	CPEST	ug/kg	2								
319-84-6	Alpha-Bhc	CPEST	ug/kg	3								
319-85-7	Beta-Bhc	CPEST	ug/kg	3								
319-86-8	Delta-Bhc	CPEST	ug/kg	3								
33213-65-9	Endosulfan II	CPEST	ug/kg	14								
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19								
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7								
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7								
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL								
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32								
60-57-1	Dieldrin	CPEST	ug/kg	0.72								
72-20-8	Endrin	CPEST	ug/kg	2.67								
72-43-5	Methoxychlor	CPEST	ug/kg	29.6								
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22								
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07								
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL								
76-44-8	Heptachlor	CPEST	ug/kg	68								
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1								
959-98-8	Endosulfan I	CPEST	ug/kg	2.9								
11096-82-5	Aroclor 1260	E608	ug/kg	21.6								
11097-69-1	Aroclor 1254	E608	ug/kg	23								
11100-14-4	Aroclor 1268	E608	ug/kg	21.6								
11104-28-2	Aroclor 1221	E608	ug/kg	21.6								
11141-16-5	Aroclor 1232	E608	ug/kg	21.6								
12672-29-6	Aroclor 1248	E608	ug/kg	21.6								
12674-11-2	Aroclor 1016	E608	ug/kg	21.6								
37324-23-5	Aroclor 1262	E608	ug/kg	21.6								
53469-21-9	Aroclor 1242	E608	ug/kg	21.6								
100-41-4	Ethylbenzene	E624	ug/kg	305								
100-42-5	Styrene	E624	ug/kg	7070								
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL								
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL								
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460								
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7								
107-06-2	1,2-Dichloroethane	E624	ug/kg	432								
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000								
108-87-2	Methylcyclohexane	E624	ug/kg	NL								
108-88-3	Toluene	E624	ug/kg	1090								
108-90-7	Chlorobenzene	E624	ug/kg	162								
110-82-7	Cyclohexane	E624	ug/kg	117000								
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473								
123-91-1	1,4-Dioxane	E624	ug/kg	44100								

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				sys_loc_code:	SED35		SED81		SED82		SED83	
				loc_name:	Area-02		Area-02		Area-02		Area-02	
				sys_sample_code:	RBS-SED35		RBS-SED81		RBS-SED82		RBS-SED83	
				depth	0-3 in		0-3 in		0-3 in		0-3 in	
				sample_date:	09/11/2008		09/11/2008		09/11/2008		09/11/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
124-48-1	Dibromochloromethane	E624	ug/kg	680								
127-18-4	Tetrachloroethene	E624	ug/kg	190								
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200								
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300								
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300								
179601-23-1	m,p-Xylene	E624	ug/kg	NL								
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842								
56-23-5	Carbon tetrachloride	E624	ug/kg	248								
591-78-6	2-Hexanone	E624	ug/kg	20900								
67-64-1	Acetone	E624	ug/kg	6130000								
67-66-3	Chloroform	E624	ug/kg	295								
71-43-2	Benzene	E624	ug/kg	137								
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856								
74-83-9	Bromomethane	E624	ug/kg	732								
74-87-3	Chloromethane	E624	ug/kg	11900								
74-97-5	Bromochloromethane	E624	ug/kg	NL								
75-00-3	Chloroethane	E624	ug/kg	1450000								
75-01-4	Vinyl Chloride	E624	ug/kg	59.7								
75-09-2	Methylene chloride	E624	ug/kg	10700								
75-15-0	Carbon Disulfide	E624	ug/kg	0.851								
75-25-2	Bromoform	E624	ug/kg	1310								
75-27-4	Bromodichloromethane	E624	ug/kg	273								
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310								
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780								
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700								
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400								
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000								
78-87-5	1,2-Dichloropropane	E624	ug/kg	895								
78-93-3	2-Butanone	E624	ug/kg	2780000								
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570								
79-01-6	Trichloroethene	E624	ug/kg	1600								
79-20-9	Methyl Acetate	E624	ug/kg	7820000								
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202								
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858								
95-47-6	o-Xylene	E624	ug/kg	NL								
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989								
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35								
98-82-8	Isopropylbenzene	E624	ug/kg	86								
100-01-6	4-Nitroaniline	E625	ug/kg	24300								
100-02-7	4-Nitrophenol	E625	ug/kg	NL								
100-52-7	Benzaldehyde	E625	ug/kg	782000								
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230								

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				sys_loc_code:	SED35		SED81		SED82		SED83	
				loc_name:	Area-02		Area-02		Area-02		Area-02	
				sys_sample_code:	RBS-SED35		RBS-SED81		RBS-SED82		RBS-SED83	
				depth	0-3 in		0-3 in		0-3 in		0-3 in	
				sample_date:	09/11/2008		09/11/2008		09/11/2008		09/11/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
105-60-2	Caprolactam	E625	ug/kg	3060000								
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29								
106-44-5	4-Methylphenol	E625	ug/kg	670								
106-47-8	4-Chloroaniline	E625	ug/kg	2430								
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570								
108-95-2	Phenol	E625	ug/kg	420								
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214								
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300								
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182								
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL								
118-74-1	Hexachlorobenzene	E625	ug/kg	20								
120-12-7	Anthracene	E625	ug/kg	46.9								
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117								
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6								
129-00-0	Pyrene	E625	ug/kg	153								
131-11-3	Dimethylphthalate	E625	ug/kg	NL								
132-64-9	Dibenzofuran	E625	ug/kg	7300								
1912-24-9	Atrazine	E625	ug/kg	6.62								
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170								
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17								
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148								
206-44-0	Fluoranthene	E625	ug/kg	113								
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240								
208-96-8	Acenaphthylene	E625	ug/kg	5.87								
218-01-9	Chrysene	E625	ug/kg	108								
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8								
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200								
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611								
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22								
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8								
58-90-2	Chlorophenols	E625	ug/kg	284								
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000								
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120								
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4								
67-72-1	Hexachloroethane	E625	ug/kg	804								
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL								
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139								
78-59-1	Isophorone	E625	ug/kg	511000								
83-32-9	Acenaphthene	E625	ug/kg	6.71								
84-66-2	Diethylphthalate	E625	ug/kg	218								
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160								
85-01-8	Phenanthrene	E625	ug/kg	86.7								

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				sys_loc_code:	SED35		SED81		SED82		SED83	
				loc_name:	Area-02		Area-02		Area-02		Area-02	
				sys_sample_code:	RBS-SED35		RBS-SED81		RBS-SED82		RBS-SED83	
				depth	0-3 in		0-3 in		0-3 in		0-3 in	
				sample_date:	09/11/2008		09/11/2008		09/11/2008		09/11/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800								
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100								
86-73-7	Fluorene	E625	ug/kg	19								
86-74-8	Carbazole	E625	ug/kg	NL								
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110								
87-86-5	Pentachlorophenol	E625	ug/kg	2970								
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650								
88-74-4	2-Nitroaniline	E625	ug/kg	60600								
88-75-5	2-Nitrophenol	E625	ug/kg	NL								
91-20-3	Naphthalene	E625	ug/kg	34.6								
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2								
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000								
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080								
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220								
95-48-7	2-Methylphenol	E625	ug/kg	306000								
95-57-8	2-Chlorophenol	E625	ug/kg	344								
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830								
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819								
98-86-2	Acetophenone	E625	ug/kg	782000								
98-95-3	Nitrobenzene	E625	ug/kg	4790								
99-09-2	3-Nitroaniline	E625	ug/kg	NL								

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Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 2 Sediment Samples < 12 inches

				sys_loc_code:	SED87		SED88		A100		A110	
				loc_name:	Area-02		Area-02		Area-02		Area-02	
				sys_sample_code:	RBS-SED87		RBS-SED88		A100 0-6		A110 0-6	
				depth	0-3 in		0-3 in		0-6 in		0-6 in	
				sample_date:	09/12/2008		09/12/2008		06/30/2009		06/30/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	C200.7	mg/kg	7740	736		792					
7440-36-0	Antimony	C200.7	mg/kg	2	33.2	J	28	J				
7440-38-2	Arsenic	C200.7	mg/kg	0.389	22.5		19.2					
7440-39-3	Barium	C200.7	mg/kg	130.1	25.9	UJ	28	UJ				
7440-41-7	Beryllium	C200.7	mg/kg	15.6	0.65	U	0.7	U				
7440-43-9	Cadmium	C200.7	mg/kg	0.68	0.65	U	2					
7440-70-2	Calcium	C200.7	mg/kg	NL	901	J	699	UJ				
7440-47-3	Chromium	C200.7	mg/kg	52.3	6.7		5.8					
7440-48-4	Cobalt	C200.7	mg/kg	2.34	6.5	U	7	U				
7440-50-8	Copper	C200.7	mg/kg	18.7	37.3		117					
7439-89-6	Iron	C200.7	mg/kg	2000	12700		6810					
7439-92-1	Lead	C200.7	mg/kg	30.2	1100	J	1440	J				
7439-95-4	Magnesium	C200.7	mg/kg	NL	395	J	422	J				
7439-96-5	Manganese	C200.7	mg/kg	183	51.6		13.7					
7440-02-0	Nickel	C200.7	mg/kg	15.9	12.2		5.6	U				
7440-09-7	Potassium	C200.7	mg/kg	NL	162	J	184	J				
7782-49-2	Selenium	C200.7	mg/kg	2	0.89	J	0.64	J				
7440-22-4	Silver	C200.7	mg/kg	0.73	0.23	J	0.14	J				
7440-23-5	Sodium	C200.7	mg/kg	NL	2050		1770					
7440-28-0	Thallium	C200.7	mg/kg	100000	3.2	U	3.5	U				
7440-31-5	Tin	C200.7	mg/kg	NL	45.4		42.1					
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548	15.9		9.5					
7440-66-6	Zinc	C200.7	mg/kg	124	41.1		53.2					
7440-36-0	Antimony	E200.8	mg/kg	2					42.3		13.5	J
7440-38-2	Arsenic	E200.8	mg/kg	0.389					22.6		7.7	
7440-39-3	Barium	E200.8	mg/kg	130.1					12.9	J	4.7	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6					0.18	J	0.21	J
7440-43-9	Cadmium	E200.8	mg/kg	0.68					0.32	UJ	0.1	J
7440-47-3	Chromium	E200.8	mg/kg	52.3					7.7		4.9	
7440-48-4	Cobalt	E200.8	mg/kg	2.34					1.1		0.69	
7440-50-8	Copper	E200.8	mg/kg	18.7					25.9	J	14.7	
7439-92-1	Lead	E200.8	mg/kg	30.2					772		281	
7439-96-5	Manganese	E200.8	mg/kg	183					41.7		26.2	
7440-02-0	Nickel	E200.8	mg/kg	15.9					5.4		2.1	
7782-49-2	Selenium	E200.8	mg/kg	2					0.63	U	0.65	U
7440-22-4	Silver	E200.8	mg/kg	0.73					0.32	UJ	0.33	UJ
7440-28-0	Thallium	E200.8	mg/kg	100000					0.63	U	0.65	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548					13.3	J	10.8	J
7440-66-6	Zinc	E200.8	mg/kg	124					35.3	J	27.3	
7439-97-6	Mercury	E245.5	mg/kg	0.13					0.038	U	0.039	U
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6							2.2	U
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357							4.2	U

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				sys_loc_code:	SED87		SED88		A100		A110	
				loc_name:	Area-02		Area-02		Area-02		Area-02	
				sys_sample_code:	RBS-SED87		RBS-SED88		A100 0-6		A110 0-6	
				depth	0-3 in		0-3 in		0-6 in		0-6 in	
				sample_date:	09/12/2008		09/12/2008		06/30/2009		06/30/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
309-00-2	Aldrin	CPEST	ug/kg	2							2.2	U
319-84-6	Alpha-Bhc	CPEST	ug/kg	3							2.2	U
319-85-7	Beta-Bhc	CPEST	ug/kg	3							2.2	U
319-86-8	Delta-Bhc	CPEST	ug/kg	3							2.2	U
33213-65-9	Endosulfan II	CPEST	ug/kg	14							4.2	U
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19							3.2	J
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7							2.2	U
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7							2.2	U
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL							4.2	U
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32							2.2	U
60-57-1	Dieldrin	CPEST	ug/kg	0.72							4.2	U
72-20-8	Endrin	CPEST	ug/kg	2.67							4.2	U
72-43-5	Methoxychlor	CPEST	ug/kg	29.6							22	U
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22							4.2	U
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07							1.1	J
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL							4.2	U
76-44-8	Heptachlor	CPEST	ug/kg	68							2.2	U
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1							220	U
959-98-8	Endosulfan I	CPEST	ug/kg	2.9							2.2	U
11096-82-5	Aroclor 1260	E608	ug/kg	21.6							42	U
11097-69-1	Aroclor 1254	E608	ug/kg	23							42	
11100-14-4	Aroclor 1268	E608	ug/kg	21.6							42	U
11104-28-2	Aroclor 1221	E608	ug/kg	21.6							42	U
11141-16-5	Aroclor 1232	E608	ug/kg	21.6							42	U
12672-29-6	Aroclor 1248	E608	ug/kg	21.6							42	U
12674-11-2	Aroclor 1016	E608	ug/kg	21.6							42	U
37324-23-5	Aroclor 1262	E608	ug/kg	21.6							42	U
53469-21-9	Aroclor 1242	E608	ug/kg	21.6							42	U
100-41-4	Ethylbenzene	E624	ug/kg	305							5.9	U
100-42-5	Styrene	E624	ug/kg	7070							5.9	U
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL							5.9	U
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL							5.9	U
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460							5.9	U
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7							5.9	U
107-06-2	1,2-Dichloroethane	E624	ug/kg	432							5.9	U
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000							12	U
108-87-2	Methylcyclohexane	E624	ug/kg	NL							5.9	U
108-88-3	Toluene	E624	ug/kg	1090							5.9	U
108-90-7	Chlorobenzene	E624	ug/kg	162							5.9	U
110-82-7	Cyclohexane	E624	ug/kg	117000							5.9	U
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473							5.9	U
123-91-1	1,4-Dioxane	E624	ug/kg	44100							120	R

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				sys_loc_code:	SED87		SED88		A100		A110	
				loc_name:	Area-02		Area-02		Area-02		Area-02	
				sys_sample_code:	RBS-SED87		RBS-SED88		A100 0-6		A110 0-6	
				depth	0-3 in		0-3 in		0-6 in		0-6 in	
				sample_date:	09/12/2008		09/12/2008		06/30/2009		06/30/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
124-48-1	Dibromochloromethane	E624	ug/kg	680							5.9	U
127-18-4	Tetrachloroethene	E624	ug/kg	190							5.9	U
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200							5.9	U
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300							5.9	U
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300							5.9	U
179601-23-1	m,p-Xylene	E624	ug/kg	NL							5.9	U
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842							5.9	U
56-23-5	Carbon tetrachloride	E624	ug/kg	248							5.9	U
591-78-6	2-Hexanone	E624	ug/kg	20900							12	U
67-64-1	Acetone	E624	ug/kg	6130000							12	U
67-66-3	Chloroform	E624	ug/kg	295							5.9	U
71-43-2	Benzene	E624	ug/kg	137							5.9	U
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856							5.9	U
74-83-9	Bromomethane	E624	ug/kg	732							5.9	U
74-87-3	Chloromethane	E624	ug/kg	11900							5.9	U
74-97-5	Bromochloromethane	E624	ug/kg	NL							5.9	U
75-00-3	Chloroethane	E624	ug/kg	1450000							5.9	U
75-01-4	Vinyl Chloride	E624	ug/kg	59.7							5.9	U
75-09-2	Methylene chloride	E624	ug/kg	10700							5.9	U
75-15-0	Carbon Disulfide	E624	ug/kg	0.851							0.62	J
75-25-2	Bromoform	E624	ug/kg	1310							5.9	U
75-27-4	Bromodichloromethane	E624	ug/kg	273							5.9	U
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310							5.9	U
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780							5.9	U
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700							5.9	U
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400							5.9	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000							5.9	U
78-87-5	1,2-Dichloropropane	E624	ug/kg	895							5.9	U
78-93-3	2-Butanone	E624	ug/kg	2780000							12	U
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570							5.9	U
79-01-6	Trichloroethene	E624	ug/kg	1600							5.9	U
79-20-9	Methyl Acetate	E624	ug/kg	7820000							5.9	U
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202							5.9	U
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858							5.9	U
95-47-6	o-Xylene	E624	ug/kg	NL							5.9	U
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989							5.9	U
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35							5.9	U
98-82-8	Isopropylbenzene	E624	ug/kg	86							5.9	U
100-01-6	4-Nitroaniline	E625	ug/kg	24300							420	U
100-02-7	4-Nitrophenol	E625	ug/kg	NL							420	U
100-52-7	Benzaldehyde	E625	ug/kg	782000							78	J
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230							220	U

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				sys_loc_code:	SED87		SED88		A100		A110	
				loc_name:	Area-02		Area-02		Area-02		Area-02	
				sys_sample_code:	RBS-SED87		RBS-SED88		A100 0-6		A110 0-6	
				depth	0-3 in		0-3 in		0-6 in		0-6 in	
				sample_date:	09/12/2008		09/12/2008		06/30/2009		06/30/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
105-60-2	Caprolactam	E625	ug/kg	3060000							220	U
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29							220	U
106-44-5	4-Methylphenol	E625	ug/kg	670							220	U
106-47-8	4-Chloroaniline	E625	ug/kg	2430							220	U
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570							220	U
108-95-2	Phenol	E625	ug/kg	420							13	J
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214							220	U
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300							220	U
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182							21	J
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL							220	U
118-74-1	Hexachlorobenzene	E625	ug/kg	20							220	U
120-12-7	Anthracene	E625	ug/kg	46.9							220	U
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117							220	U
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6							220	U
129-00-0	Pyrene	E625	ug/kg	153							9.7	J
131-11-3	Dimethylphthalate	E625	ug/kg	NL							220	U
132-64-9	Dibenzofuran	E625	ug/kg	7300							220	U
1912-24-9	Atrazine	E625	ug/kg	6.62							220	U
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170							220	U
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17							220	U
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148							220	U
206-44-0	Fluoranthene	E625	ug/kg	113							220	UJ
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240							220	U
208-96-8	Acenaphthylene	E625	ug/kg	5.87							220	U
218-01-9	Chrysene	E625	ug/kg	108							220	U
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8							220	U
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200							420	U
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611							420	U
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22							220	U
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8							220	U
58-90-2	Chlorophenols	E625	ug/kg	284							220	U
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000							220	U
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120							220	U
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4							220	U
67-72-1	Hexachloroethane	E625	ug/kg	804							220	U
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL							220	U
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139							220	U
78-59-1	Isophorone	E625	ug/kg	511000							220	U
83-32-9	Acenaphthene	E625	ug/kg	6.71							220	U
84-66-2	Diethylphthalate	E625	ug/kg	218							220	U
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160							220	U
85-01-8	Phenanthrene	E625	ug/kg	86.7							220	U

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				sys_loc_code:	SED87		SED88		A100		A110	
				loc_name:	Area-02		Area-02		Area-02		Area-02	
				sys_sample_code:	RBS-SED87		RBS-SED88		A100 0-6		A110 0-6	
				depth	0-3 in		0-3 in		0-6 in		0-6 in	
				sample_date:	09/12/2008		09/12/2008		06/30/2009		06/30/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800							220	U
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100							220	U
86-73-7	Fluorene	E625	ug/kg	19							220	UJ
86-74-8	Carbazole	E625	ug/kg	NL							220	U
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110							220	U
87-86-5	Pentachlorophenol	E625	ug/kg	2970							420	U
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650							220	U
88-74-4	2-Nitroaniline	E625	ug/kg	60600							420	U
88-75-5	2-Nitrophenol	E625	ug/kg	NL							220	U
91-20-3	Naphthalene	E625	ug/kg	34.6							220	U
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2							220	U
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000							220	U
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080							220	U
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220							220	U
95-48-7	2-Methylphenol	E625	ug/kg	306000							220	U
95-57-8	2-Chlorophenol	E625	ug/kg	344							220	U
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830							220	U
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819							220	U
98-86-2	Acetophenone	E625	ug/kg	782000							37	J
98-95-3	Nitrobenzene	E625	ug/kg	4790							220	U
99-09-2	3-Nitroaniline	E625	ug/kg	NL							420	U

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Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 2 Sediment Samples < 12 inches

				sys_loc_code:	A111		A112		A113		A114	
				loc_name:	Area-02		Area-02		Area-02		Area-02	
				sys_sample_code:	A111 0-6		A112 0-6		A113 0-6		A114 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	06/30/2009		06/30/2009		06/30/2009		06/30/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	C200.7	mg/kg	7740								
7440-36-0	Antimony	C200.7	mg/kg	2								
7440-38-2	Arsenic	C200.7	mg/kg	0.389								
7440-39-3	Barium	C200.7	mg/kg	130.1								
7440-41-7	Beryllium	C200.7	mg/kg	15.6								
7440-43-9	Cadmium	C200.7	mg/kg	0.68								
7440-70-2	Calcium	C200.7	mg/kg	NL								
7440-47-3	Chromium	C200.7	mg/kg	52.3								
7440-48-4	Cobalt	C200.7	mg/kg	2.34								
7440-50-8	Copper	C200.7	mg/kg	18.7								
7439-89-6	Iron	C200.7	mg/kg	2000								
7439-92-1	Lead	C200.7	mg/kg	30.2								
7439-95-4	Magnesium	C200.7	mg/kg	NL								
7439-96-5	Manganese	C200.7	mg/kg	183								
7440-02-0	Nickel	C200.7	mg/kg	15.9								
7440-09-7	Potassium	C200.7	mg/kg	NL								
7782-49-2	Selenium	C200.7	mg/kg	2								
7440-22-4	Silver	C200.7	mg/kg	0.73								
7440-23-5	Sodium	C200.7	mg/kg	NL								
7440-28-0	Thallium	C200.7	mg/kg	100000								
7440-31-5	Tin	C200.7	mg/kg	NL								
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548								
7440-66-6	Zinc	C200.7	mg/kg	124								
7440-36-0	Antimony	E200.8	mg/kg	2	17.3	J	36.2		35.5		20.9	
7440-38-2	Arsenic	E200.8	mg/kg	0.389	9.5		14.8		27.5		31.1	
7440-39-3	Barium	E200.8	mg/kg	130.1	8.9	J	5.7	J	28.5	J	4.9	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.15	J	0.17	J	0.29	J	0.18	J
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.1	J	0.33	UJ	0.31	UJ	0.26	UJ
7440-47-3	Chromium	E200.8	mg/kg	52.3	5.8		5.8		13.7		6.4	
7440-48-4	Cobalt	E200.8	mg/kg	2.34	0.7		0.72		1.3		0.78	
7440-50-8	Copper	E200.8	mg/kg	18.7	16.7		26.8	J	23.9	J	14.6	J
7439-92-1	Lead	E200.8	mg/kg	30.2	361		603		696		421	
7439-96-5	Manganese	E200.8	mg/kg	183	24.1		19.6		90.8		37.7	
7440-02-0	Nickel	E200.8	mg/kg	15.9	2.2		2.9		4.2		3.3	
7782-49-2	Selenium	E200.8	mg/kg	2	0.64	U	0.65	U	0.62	U	0.52	U
7440-22-4	Silver	E200.8	mg/kg	0.73	0.32	UJ	0.33	UJ	0.31	UJ	0.26	UJ
7440-28-0	Thallium	E200.8	mg/kg	100000	0.64	U	0.65	U	0.62	U	0.52	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	11.3	J	11.1	J	33.3	J	14.2	J
7440-66-6	Zinc	E200.8	mg/kg	124	29.2		30	J	83	J	31.4	J
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.04		0.042		0.037	U	0.031	U
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6								
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357								

R2-0000858

				sys_loc_code:	A111		A112		A113		A114	
				loc_name:	Area-02		Area-02		Area-02		Area-02	
				sys_sample_code:	A111 0-6		A112 0-6		A113 0-6		A114 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	06/30/2009		06/30/2009		06/30/2009		06/30/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
309-00-2	Aldrin	CPEST	ug/kg	2								
319-84-6	Alpha-Bhc	CPEST	ug/kg	3								
319-85-7	Beta-Bhc	CPEST	ug/kg	3								
319-86-8	Delta-Bhc	CPEST	ug/kg	3								
33213-65-9	Endosulfan II	CPEST	ug/kg	14								
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19								
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7								
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7								
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL								
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32								
60-57-1	Dieldrin	CPEST	ug/kg	0.72								
72-20-8	Endrin	CPEST	ug/kg	2.67								
72-43-5	Methoxychlor	CPEST	ug/kg	29.6								
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22								
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07								
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL								
76-44-8	Heptachlor	CPEST	ug/kg	68								
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1								
959-98-8	Endosulfan I	CPEST	ug/kg	2.9								
11096-82-5	Aroclor 1260	E608	ug/kg	21.6								
11097-69-1	Aroclor 1254	E608	ug/kg	23								
11100-14-4	Aroclor 1268	E608	ug/kg	21.6								
11104-28-2	Aroclor 1221	E608	ug/kg	21.6								
11141-16-5	Aroclor 1232	E608	ug/kg	21.6								
12672-29-6	Aroclor 1248	E608	ug/kg	21.6								
12674-11-2	Aroclor 1016	E608	ug/kg	21.6								
37324-23-5	Aroclor 1262	E608	ug/kg	21.6								
53469-21-9	Aroclor 1242	E608	ug/kg	21.6								
100-41-4	Ethylbenzene	E624	ug/kg	305								
100-42-5	Styrene	E624	ug/kg	7070								
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL								
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL								
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460								
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7								
107-06-2	1,2-Dichloroethane	E624	ug/kg	432								
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000								
108-87-2	Methylcyclohexane	E624	ug/kg	NL								
108-88-3	Toluene	E624	ug/kg	1090								
108-90-7	Chlorobenzene	E624	ug/kg	162								
110-82-7	Cyclohexane	E624	ug/kg	117000								
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473								
123-91-1	1,4-Dioxane	E624	ug/kg	44100								

R2-0000859

				sys_loc_code:	A111		A112		A113		A114	
				loc_name:	Area-02		Area-02		Area-02		Area-02	
				sys_sample_code:	A111 0-6		A112 0-6		A113 0-6		A114 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	06/30/2009		06/30/2009		06/30/2009		06/30/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
124-48-1	Dibromochloromethane	E624	ug/kg	680								
127-18-4	Tetrachloroethene	E624	ug/kg	190								
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200								
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300								
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300								
179601-23-1	m,p-Xylene	E624	ug/kg	NL								
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842								
56-23-5	Carbon tetrachloride	E624	ug/kg	248								
591-78-6	2-Hexanone	E624	ug/kg	20900								
67-64-1	Acetone	E624	ug/kg	6130000								
67-66-3	Chloroform	E624	ug/kg	295								
71-43-2	Benzene	E624	ug/kg	137								
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856								
74-83-9	Bromomethane	E624	ug/kg	732								
74-87-3	Chloromethane	E624	ug/kg	11900								
74-97-5	Bromochloromethane	E624	ug/kg	NL								
75-00-3	Chloroethane	E624	ug/kg	1450000								
75-01-4	Vinyl Chloride	E624	ug/kg	59.7								
75-09-2	Methylene chloride	E624	ug/kg	10700								
75-15-0	Carbon Disulfide	E624	ug/kg	0.851								
75-25-2	Bromoform	E624	ug/kg	1310								
75-27-4	Bromodichloromethane	E624	ug/kg	273								
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310								
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780								
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700								
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400								
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000								
78-87-5	1,2-Dichloropropane	E624	ug/kg	895								
78-93-3	2-Butanone	E624	ug/kg	2780000								
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570								
79-01-6	Trichloroethene	E624	ug/kg	1600								
79-20-9	Methyl Acetate	E624	ug/kg	7820000								
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202								
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858								
95-47-6	o-Xylene	E624	ug/kg	NL								
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989								
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35								
98-82-8	Isopropylbenzene	E624	ug/kg	86								
100-01-6	4-Nitroaniline	E625	ug/kg	24300								
100-02-7	4-Nitrophenol	E625	ug/kg	NL								
100-52-7	Benzaldehyde	E625	ug/kg	782000								
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230								

R2-0000860

				sys_loc_code:	A111		A112		A113		A114	
				loc_name:	Area-02		Area-02		Area-02		Area-02	
				sys_sample_code:	A111 0-6		A112 0-6		A113 0-6		A114 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	06/30/2009		06/30/2009		06/30/2009		06/30/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
105-60-2	Caprolactam	E625	ug/kg	3060000								
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29								
106-44-5	4-Methylphenol	E625	ug/kg	670								
106-47-8	4-Chloroaniline	E625	ug/kg	2430								
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570								
108-95-2	Phenol	E625	ug/kg	420								
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214								
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300								
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182								
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL								
118-74-1	Hexachlorobenzene	E625	ug/kg	20								
120-12-7	Anthracene	E625	ug/kg	46.9								
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117								
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6								
129-00-0	Pyrene	E625	ug/kg	153								
131-11-3	Dimethylphthalate	E625	ug/kg	NL								
132-64-9	Dibenzofuran	E625	ug/kg	7300								
1912-24-9	Atrazine	E625	ug/kg	6.62								
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170								
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17								
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148								
206-44-0	Fluoranthene	E625	ug/kg	113								
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240								
208-96-8	Acenaphthylene	E625	ug/kg	5.87								
218-01-9	Chrysene	E625	ug/kg	108								
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8								
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200								
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611								
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22								
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8								
58-90-2	Chlorophenols	E625	ug/kg	284								
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000								
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120								
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4								
67-72-1	Hexachloroethane	E625	ug/kg	804								
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL								
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139								
78-59-1	Isophorone	E625	ug/kg	511000								
83-32-9	Acenaphthene	E625	ug/kg	6.71								
84-66-2	Diethylphthalate	E625	ug/kg	218								
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160								
85-01-8	Phenanthrene	E625	ug/kg	86.7								

R2-0000861

				sys_loc_code:	A111		A112		A113		A114	
				loc_name:	Area-02		Area-02		Area-02		Area-02	
				sys_sample_code:	A111 0-6		A112 0-6		A113 0-6		A114 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	06/30/2009		06/30/2009		06/30/2009		06/30/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800								
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100								
86-73-7	Fluorene	E625	ug/kg	19								
86-74-8	Carbazole	E625	ug/kg	NL								
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110								
87-86-5	Pentachlorophenol	E625	ug/kg	2970								
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650								
88-74-4	2-Nitroaniline	E625	ug/kg	60600								
88-75-5	2-Nitrophenol	E625	ug/kg	NL								
91-20-3	Naphthalene	E625	ug/kg	34.6								
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2								
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000								
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080								
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220								
95-48-7	2-Methylphenol	E625	ug/kg	306000								
95-57-8	2-Chlorophenol	E625	ug/kg	344								
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830								
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819								
98-86-2	Acetophenone	E625	ug/kg	782000								
98-95-3	Nitrobenzene	E625	ug/kg	4790								
99-09-2	3-Nitroaniline	E625	ug/kg	NL								

R2-0000862

				sys_loc_code:	A118		A119		A120		A121	
				loc_name:	Area-02		Area-02		Area-02		Area-02	
				sys_sample_code:	A118 0-6		A119 0-6		A120 0-6		A121 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/20/2009		07/20/2009		07/20/2009		06/30/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	C200.7	mg/kg	7740								
7440-36-0	Antimony	C200.7	mg/kg	2								
7440-38-2	Arsenic	C200.7	mg/kg	0.389								
7440-39-3	Barium	C200.7	mg/kg	130.1								
7440-41-7	Beryllium	C200.7	mg/kg	15.6								
7440-43-9	Cadmium	C200.7	mg/kg	0.68								
7440-70-2	Calcium	C200.7	mg/kg	NL								
7440-47-3	Chromium	C200.7	mg/kg	52.3								
7440-48-4	Cobalt	C200.7	mg/kg	2.34								
7440-50-8	Copper	C200.7	mg/kg	18.7								
7439-89-6	Iron	C200.7	mg/kg	2000								
7439-92-1	Lead	C200.7	mg/kg	30.2								
7439-95-4	Magnesium	C200.7	mg/kg	NL								
7439-96-5	Manganese	C200.7	mg/kg	183								
7440-02-0	Nickel	C200.7	mg/kg	15.9								
7440-09-7	Potassium	C200.7	mg/kg	NL								
7782-49-2	Selenium	C200.7	mg/kg	2								
7440-22-4	Silver	C200.7	mg/kg	0.73								
7440-23-5	Sodium	C200.7	mg/kg	NL								
7440-28-0	Thallium	C200.7	mg/kg	100000								
7440-31-5	Tin	C200.7	mg/kg	NL								
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548								
7440-66-6	Zinc	C200.7	mg/kg	124								
7440-36-0	Antimony	E200.8	mg/kg	2	3.7		13.8		12.9		13.3	
7440-38-2	Arsenic	E200.8	mg/kg	0.389	6.6	J	6.1	J	8	J	7.3	
7440-39-3	Barium	E200.8	mg/kg	130.1	7.3	UJ	6.9	J	6.4	J	4.8	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.28	J	0.18	J	0.18	J	0.11	J
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.37	U	0.32	U	0.32	U	0.1	J
7440-47-3	Chromium	E200.8	mg/kg	52.3	9.3		5.5		4.7		4.8	
7440-48-4	Cobalt	E200.8	mg/kg	2.34	1.1		0.68		0.69		0.66	J
7440-50-8	Copper	E200.8	mg/kg	18.7	13		15		16.5		12.2	J
7439-92-1	Lead	E200.8	mg/kg	30.2	89.9		227		274		279	
7439-96-5	Manganese	E200.8	mg/kg	183	36		20.1		18.8		20.5	
7440-02-0	Nickel	E200.8	mg/kg	15.9	3.8		2.8		2.1		1.9	J
7782-49-2	Selenium	E200.8	mg/kg	2	0.35	J	0.65	U	0.65	U	0.63	U
7440-22-4	Silver	E200.8	mg/kg	0.73	0.37	UJ	0.32	UJ	0.32	UJ	0.32	U
7440-28-0	Thallium	E200.8	mg/kg	100000	0.73	U	0.65	U	0.65	U	0.63	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	17.8	J	11.6	J	10.1	J	11	J
7440-66-6	Zinc	E200.8	mg/kg	124	38.8		31.2		27.9		25.8	J
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.11		0.051		0.054		0.037	U
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6								
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357								

R2-0000863

				sys_loc_code:	A118		A119		A120		A121	
				loc_name:	Area-02		Area-02		Area-02		Area-02	
				sys_sample_code:	A118 0-6		A119 0-6		A120 0-6		A121 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/20/2009		07/20/2009		07/20/2009		06/30/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
309-00-2	Aldrin	CPEST	ug/kg	2								
319-84-6	Alpha-Bhc	CPEST	ug/kg	3								
319-85-7	Beta-Bhc	CPEST	ug/kg	3								
319-86-8	Delta-Bhc	CPEST	ug/kg	3								
33213-65-9	Endosulfan II	CPEST	ug/kg	14								
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19								
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7								
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7								
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL								
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32								
60-57-1	Dieldrin	CPEST	ug/kg	0.72								
72-20-8	Endrin	CPEST	ug/kg	2.67								
72-43-5	Methoxychlor	CPEST	ug/kg	29.6								
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22								
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07								
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL								
76-44-8	Heptachlor	CPEST	ug/kg	68								
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1								
959-98-8	Endosulfan I	CPEST	ug/kg	2.9								
11096-82-5	Aroclor 1260	E608	ug/kg	21.6								
11097-69-1	Aroclor 1254	E608	ug/kg	23								
11100-14-4	Aroclor 1268	E608	ug/kg	21.6								
11104-28-2	Aroclor 1221	E608	ug/kg	21.6								
11141-16-5	Aroclor 1232	E608	ug/kg	21.6								
12672-29-6	Aroclor 1248	E608	ug/kg	21.6								
12674-11-2	Aroclor 1016	E608	ug/kg	21.6								
37324-23-5	Aroclor 1262	E608	ug/kg	21.6								
53469-21-9	Aroclor 1242	E608	ug/kg	21.6								
100-41-4	Ethylbenzene	E624	ug/kg	305								
100-42-5	Styrene	E624	ug/kg	7070								
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL								
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL								
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460								
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7								
107-06-2	1,2-Dichloroethane	E624	ug/kg	432								
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000								
108-87-2	Methylcyclohexane	E624	ug/kg	NL								
108-88-3	Toluene	E624	ug/kg	1090								
108-90-7	Chlorobenzene	E624	ug/kg	162								
110-82-7	Cyclohexane	E624	ug/kg	117000								
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473								
123-91-1	1,4-Dioxane	E624	ug/kg	44100								

R2-0000864

				sys_loc_code:	A118		A119		A120		A121	
				loc_name:	Area-02		Area-02		Area-02		Area-02	
				sys_sample_code:	A118 0-6		A119 0-6		A120 0-6		A121 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/20/2009		07/20/2009		07/20/2009		06/30/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
124-48-1	Dibromochloromethane	E624	ug/kg	680								
127-18-4	Tetrachloroethene	E624	ug/kg	190								
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200								
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300								
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300								
179601-23-1	m,p-Xylene	E624	ug/kg	NL								
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842								
56-23-5	Carbon tetrachloride	E624	ug/kg	248								
591-78-6	2-Hexanone	E624	ug/kg	20900								
67-64-1	Acetone	E624	ug/kg	6130000								
67-66-3	Chloroform	E624	ug/kg	295								
71-43-2	Benzene	E624	ug/kg	137								
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856								
74-83-9	Bromomethane	E624	ug/kg	732								
74-87-3	Chloromethane	E624	ug/kg	11900								
74-97-5	Bromochloromethane	E624	ug/kg	NL								
75-00-3	Chloroethane	E624	ug/kg	1450000								
75-01-4	Vinyl Chloride	E624	ug/kg	59.7								
75-09-2	Methylene chloride	E624	ug/kg	10700								
75-15-0	Carbon Disulfide	E624	ug/kg	0.851								
75-25-2	Bromoform	E624	ug/kg	1310								
75-27-4	Bromodichloromethane	E624	ug/kg	273								
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310								
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780								
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700								
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400								
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000								
78-87-5	1,2-Dichloropropane	E624	ug/kg	895								
78-93-3	2-Butanone	E624	ug/kg	2780000								
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570								
79-01-6	Trichloroethene	E624	ug/kg	1600								
79-20-9	Methyl Acetate	E624	ug/kg	7820000								
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202								
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858								
95-47-6	o-Xylene	E624	ug/kg	NL								
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989								
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35								
98-82-8	Isopropylbenzene	E624	ug/kg	86								
100-01-6	4-Nitroaniline	E625	ug/kg	24300								
100-02-7	4-Nitrophenol	E625	ug/kg	NL								
100-52-7	Benzaldehyde	E625	ug/kg	782000								
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230								

R2-0000865

				sys_loc_code:	A118		A119		A120		A121	
				loc_name:	Area-02		Area-02		Area-02		Area-02	
				sys_sample_code:	A118 0-6		A119 0-6		A120 0-6		A121 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/20/2009		07/20/2009		07/20/2009		06/30/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
105-60-2	Caprolactam	E625	ug/kg	3060000								
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29								
106-44-5	4-Methylphenol	E625	ug/kg	670								
106-47-8	4-Chloroaniline	E625	ug/kg	2430								
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570								
108-95-2	Phenol	E625	ug/kg	420								
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214								
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300								
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182								
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL								
118-74-1	Hexachlorobenzene	E625	ug/kg	20								
120-12-7	Anthracene	E625	ug/kg	46.9								
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117								
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6								
129-00-0	Pyrene	E625	ug/kg	153								
131-11-3	Dimethylphthalate	E625	ug/kg	NL								
132-64-9	Dibenzofuran	E625	ug/kg	7300								
1912-24-9	Atrazine	E625	ug/kg	6.62								
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170								
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17								
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148								
206-44-0	Fluoranthene	E625	ug/kg	113								
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240								
208-96-8	Acenaphthylene	E625	ug/kg	5.87								
218-01-9	Chrysene	E625	ug/kg	108								
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8								
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200								
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611								
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22								
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8								
58-90-2	Chlorophenols	E625	ug/kg	284								
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000								
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120								
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4								
67-72-1	Hexachloroethane	E625	ug/kg	804								
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL								
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139								
78-59-1	Isophorone	E625	ug/kg	511000								
83-32-9	Acenaphthene	E625	ug/kg	6.71								
84-66-2	Diethylphthalate	E625	ug/kg	218								
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160								
85-01-8	Phenanthrene	E625	ug/kg	86.7								

R2-0000866

				sys_loc_code:	A118		A119		A120		A121	
				loc_name:	Area-02		Area-02		Area-02		Area-02	
				sys_sample_code:	A118 0-6		A119 0-6		A120 0-6		A121 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/20/2009		07/20/2009		07/20/2009		06/30/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800								
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100								
86-73-7	Fluorene	E625	ug/kg	19								
86-74-8	Carbazole	E625	ug/kg	NL								
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110								
87-86-5	Pentachlorophenol	E625	ug/kg	2970								
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650								
88-74-4	2-Nitroaniline	E625	ug/kg	60600								
88-75-5	2-Nitrophenol	E625	ug/kg	NL								
91-20-3	Naphthalene	E625	ug/kg	34.6								
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2								
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000								
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080								
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220								
95-48-7	2-Methylphenol	E625	ug/kg	306000								
95-57-8	2-Chlorophenol	E625	ug/kg	344								
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830								
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819								
98-86-2	Acetophenone	E625	ug/kg	782000								
98-95-3	Nitrobenzene	E625	ug/kg	4790								
99-09-2	3-Nitroaniline	E625	ug/kg	NL								

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Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 2 Sediment Samples < 12 inches

				sys_loc_code:	A122		A123		A124		A125	
				loc_name:	Area-02		Area-02		Area-02		Area-02	
				sys_sample_code:	A122 0-6		A123 0-6		A124 0-6		A125 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	06/30/2009		06/30/2009		06/30/2009		07/21/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	C200.7	mg/kg	7740								
7440-36-0	Antimony	C200.7	mg/kg	2								
7440-38-2	Arsenic	C200.7	mg/kg	0.389								
7440-39-3	Barium	C200.7	mg/kg	130.1								
7440-41-7	Beryllium	C200.7	mg/kg	15.6								
7440-43-9	Cadmium	C200.7	mg/kg	0.68								
7440-70-2	Calcium	C200.7	mg/kg	NL								
7440-47-3	Chromium	C200.7	mg/kg	52.3								
7440-48-4	Cobalt	C200.7	mg/kg	2.34								
7440-50-8	Copper	C200.7	mg/kg	18.7								
7439-89-6	Iron	C200.7	mg/kg	2000								
7439-92-1	Lead	C200.7	mg/kg	30.2								
7439-95-4	Magnesium	C200.7	mg/kg	NL								
7439-96-5	Manganese	C200.7	mg/kg	183								
7440-02-0	Nickel	C200.7	mg/kg	15.9								
7440-09-7	Potassium	C200.7	mg/kg	NL								
7782-49-2	Selenium	C200.7	mg/kg	2								
7440-22-4	Silver	C200.7	mg/kg	0.73								
7440-23-5	Sodium	C200.7	mg/kg	NL								
7440-28-0	Thallium	C200.7	mg/kg	100000								
7440-31-5	Tin	C200.7	mg/kg	NL								
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548								
7440-66-6	Zinc	C200.7	mg/kg	124								
7440-36-0	Antimony	E200.8	mg/kg	2	26.4		18.1	J	14.7		4.8	
7440-38-2	Arsenic	E200.8	mg/kg	0.389	12.3		21.1		9.5		4.5	J
7440-39-3	Barium	E200.8	mg/kg	130.1	5.3	J	5.6	J	5.8	J	6.8	UJ
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.19	J	0.36		0.13	J	0.22	J
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.32	UJ	0.19	J	0.26	UJ	0.34	U
7440-47-3	Chromium	E200.8	mg/kg	52.3	6.8		14		5.1		6	J
7440-48-4	Cobalt	E200.8	mg/kg	2.34	0.8		1.5		0.9		0.68	U
7440-50-8	Copper	E200.8	mg/kg	18.7	19	J	11		10.3	J	10.9	
7439-92-1	Lead	E200.8	mg/kg	30.2	476		498		244		108	
7439-96-5	Manganese	E200.8	mg/kg	183	30.9		90.3		40.8		19.7	J
7440-02-0	Nickel	E200.8	mg/kg	15.9	2.6		3.6		2.4		1.6	
7782-49-2	Selenium	E200.8	mg/kg	2	0.64	U	0.52	U	0.55	U	0.68	U
7440-22-4	Silver	E200.8	mg/kg	0.73	0.32	UJ	0.26	UJ	0.28	UJ	0.34	UJ
7440-28-0	Thallium	E200.8	mg/kg	100000	0.64	U	0.52	U	0.55	U	0.68	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	11.7	J	31	J	7.3	J	10.8	J
7440-66-6	Zinc	E200.8	mg/kg	124	29.4	J	42.1		20.1	J	26.2	
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.052		0.031	U	0.033	U	0.057	
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6	3.6	R						
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357	4.3	U						

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				sys_loc_code:	A122		A123		A124		A125	
				loc_name:	Area-02		Area-02		Area-02		Area-02	
				sys_sample_code:	A122 0-6		A123 0-6		A124 0-6		A125 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	06/30/2009		06/30/2009		06/30/2009		07/21/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
309-00-2	Aldrin	CPEST	ug/kg	2	2.2	U						
319-84-6	Alpha-Bhc	CPEST	ug/kg	3	2.2	U						
319-85-7	Beta-Bhc	CPEST	ug/kg	3	2.2	U						
319-86-8	Delta-Bhc	CPEST	ug/kg	3	2.2	U						
33213-65-9	Endosulfan II	CPEST	ug/kg	14	4.3	U						
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19	60							
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7	2.2	U						
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7	2.2	U						
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL	4.3	U						
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32	2.2	U						
60-57-1	Dieldrin	CPEST	ug/kg	0.72	14	R						
72-20-8	Endrin	CPEST	ug/kg	2.67	4.3	U						
72-43-5	Methoxychlor	CPEST	ug/kg	29.6	22	U						
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22	4.3	U						
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07	19							
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL	4.3	U						
76-44-8	Heptachlor	CPEST	ug/kg	68	2.2	U						
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1	220	U						
959-98-8	Endosulfan I	CPEST	ug/kg	2.9	2.2	U						
11096-82-5	Aroclor 1260	E608	ug/kg	21.6	43	U						
11097-69-1	Aroclor 1254	E608	ug/kg	23	480							
11100-14-4	Aroclor 1268	E608	ug/kg	21.6	43	U						
11104-28-2	Aroclor 1221	E608	ug/kg	21.6	43	U						
11141-16-5	Aroclor 1232	E608	ug/kg	21.6	43	U						
12672-29-6	Aroclor 1248	E608	ug/kg	21.6	43	U						
12674-11-2	Aroclor 1016	E608	ug/kg	21.6	43	U						
37324-23-5	Aroclor 1262	E608	ug/kg	21.6	43	U						
53469-21-9	Aroclor 1242	E608	ug/kg	21.6	43	U						
100-41-4	Ethylbenzene	E624	ug/kg	305	6.3	U						
100-42-5	Styrene	E624	ug/kg	7070	6.3	U						
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL	6.3	U						
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL	6.3	U						
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460	6.3	U						
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7	6.3	U						
107-06-2	1,2-Dichloroethane	E624	ug/kg	432	6.3	U						
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000	13	U						
108-87-2	Methylcyclohexane	E624	ug/kg	NL	6.3	U						
108-88-3	Toluene	E624	ug/kg	1090	6.3	U						
108-90-7	Chlorobenzene	E624	ug/kg	162	6.3	U						
110-82-7	Cyclohexane	E624	ug/kg	117000	6.3	U						
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473	6.3	U						
123-91-1	1,4-Dioxane	E624	ug/kg	44100	130	R						

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				sys_loc_code:	A122		A123		A124		A125	
				loc_name:	Area-02		Area-02		Area-02		Area-02	
				sys_sample_code:	A122 0-6		A123 0-6		A124 0-6		A125 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	06/30/2009		06/30/2009		06/30/2009		07/21/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
124-48-1	Dibromochloromethane	E624	ug/kg	680	6.3	U						
127-18-4	Tetrachloroethene	E624	ug/kg	190	6.3	U						
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200	6.3	U						
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300	6.3	U						
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300	6.3	U						
179601-23-1	m,p-Xylene	E624	ug/kg	NL	6.3	U						
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842	6.3	U						
56-23-5	Carbon tetrachloride	E624	ug/kg	248	6.3	U						
591-78-6	2-Hexanone	E624	ug/kg	20900	13	U						
67-64-1	Acetone	E624	ug/kg	6130000	16							
67-66-3	Chloroform	E624	ug/kg	295	6.3	U						
71-43-2	Benzene	E624	ug/kg	137	6.3	U						
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856	6.3	U						
74-83-9	Bromomethane	E624	ug/kg	732	6.3	U						
74-87-3	Chloromethane	E624	ug/kg	11900	6.3	U						
74-97-5	Bromochloromethane	E624	ug/kg	NL	6.3	U						
75-00-3	Chloroethane	E624	ug/kg	1450000	6.3	U						
75-01-4	Vinyl Chloride	E624	ug/kg	59.7	6.3	U						
75-09-2	Methylene chloride	E624	ug/kg	10700	6.3	U						
75-15-0	Carbon Disulfide	E624	ug/kg	0.851	0.72	J						
75-25-2	Bromoform	E624	ug/kg	1310	6.3	U						
75-27-4	Bromodichloromethane	E624	ug/kg	273	6.3	U						
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310	6.3	U						
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780	6.3	U						
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700	6.3	U						
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400	6.3	U						
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000	6.3	U						
78-87-5	1,2-Dichloropropane	E624	ug/kg	895	6.3	U						
78-93-3	2-Butanone	E624	ug/kg	2780000	13	U						
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570	6.3	U						
79-01-6	Trichloroethene	E624	ug/kg	1600	6.3	U						
79-20-9	Methyl Acetate	E624	ug/kg	7820000	6.3	U						
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202	6.3	U						
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858	6.3	U						
95-47-6	o-Xylene	E624	ug/kg	NL	6.3	U						
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989	6.3	U						
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35	6.3	U						
98-82-8	Isopropylbenzene	E624	ug/kg	86	6.3	U						
100-01-6	4-Nitroaniline	E625	ug/kg	24300	430	U						
100-02-7	4-Nitrophenol	E625	ug/kg	NL	430	U						
100-52-7	Benzaldehyde	E625	ug/kg	782000	61	J						
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230	220	U						

R2-0000870

				sys_loc_code:	A122		A123		A124		A125	
				loc_name:	Area-02		Area-02		Area-02		Area-02	
				sys_sample_code:	A122 0-6		A123 0-6		A124 0-6		A125 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	06/30/2009		06/30/2009		06/30/2009		07/21/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
105-60-2	Caprolactam	E625	ug/kg	3060000	220	U						
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29	220	U						
106-44-5	4-Methylphenol	E625	ug/kg	670	220	U						
106-47-8	4-Chloroaniline	E625	ug/kg	2430	220	U						
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570	220	U						
108-95-2	Phenol	E625	ug/kg	420	12	J						
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214	220	U						
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300	220	U						
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182	28	J						
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL	220	U						
118-74-1	Hexachlorobenzene	E625	ug/kg	20	220	U						
120-12-7	Anthracene	E625	ug/kg	46.9	220	U						
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117	220	U						
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6	220	U						
129-00-0	Pyrene	E625	ug/kg	153	22	J						
131-11-3	Dimethylphthalate	E625	ug/kg	NL	220	U						
132-64-9	Dibenzofuran	E625	ug/kg	7300	220	U						
1912-24-9	Atrazine	E625	ug/kg	6.62	220	U						
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170	220	U						
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17	220	U						
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148	18	J						
206-44-0	Fluoranthene	E625	ug/kg	113	22	J						
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240	9.5	J						
208-96-8	Acenaphthylene	E625	ug/kg	5.87	220	U						
218-01-9	Chrysene	E625	ug/kg	108	15	J						
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8	16	J						
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200	430	U						
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611	430	U						
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22	220	U						
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8	14	J						
58-90-2	Chlorophenols	E625	ug/kg	284	220	U						
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000	220	U						
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120	220	U						
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4	220	U						
67-72-1	Hexachloroethane	E625	ug/kg	804	220	U						
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL	220	U						
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139	220	U						
78-59-1	Isophorone	E625	ug/kg	511000	220	U						
83-32-9	Acenaphthene	E625	ug/kg	6.71	220	U						
84-66-2	Diethylphthalate	E625	ug/kg	218	220	U						
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160	220	U						
85-01-8	Phenanthrene	E625	ug/kg	86.7	11	J						

R2-0000871

				sys_loc_code:	A122		A123		A124		A125	
				loc_name:	Area-02		Area-02		Area-02		Area-02	
				sys_sample_code:	A122 0-6		A123 0-6		A124 0-6		A125 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	06/30/2009		06/30/2009		06/30/2009		07/21/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800	220	U						
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100	220	U						
86-73-7	Fluorene	E625	ug/kg	19	220	UJ						
86-74-8	Carbazole	E625	ug/kg	NL	220	U						
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110	220	U						
87-86-5	Pentachlorophenol	E625	ug/kg	2970	430	U						
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650	220	U						
88-74-4	2-Nitroaniline	E625	ug/kg	60600	430	U						
88-75-5	2-Nitrophenol	E625	ug/kg	NL	220	U						
91-20-3	Naphthalene	E625	ug/kg	34.6	220	U						
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2	220	U						
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000	220	U						
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080	220	U						
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220	220	U						
95-48-7	2-Methylphenol	E625	ug/kg	306000	220	U						
95-57-8	2-Chlorophenol	E625	ug/kg	344	220	U						
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830	220	U						
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819	220	U						
98-86-2	Acetophenone	E625	ug/kg	782000	38	J						
98-95-3	Nitrobenzene	E625	ug/kg	4790	220	U						
99-09-2	3-Nitroaniline	E625	ug/kg	NL	430	U						

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Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 2 Sediment Samples < 12 inches

				sys_loc_code:	A126		A127		A128		A129	
				loc_name:	Area-02		Area-02		Area-02		Area-02	
				sys_sample_code:	A126 0-6		A127 0-6		A128 0-6		A129 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/21/2009		06/30/2009		06/30/2009		06/30/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	C200.7	mg/kg	7740								
7440-36-0	Antimony	C200.7	mg/kg	2								
7440-38-2	Arsenic	C200.7	mg/kg	0.389								
7440-39-3	Barium	C200.7	mg/kg	130.1								
7440-41-7	Beryllium	C200.7	mg/kg	15.6								
7440-43-9	Cadmium	C200.7	mg/kg	0.68								
7440-70-2	Calcium	C200.7	mg/kg	NL								
7440-47-3	Chromium	C200.7	mg/kg	52.3								
7440-48-4	Cobalt	C200.7	mg/kg	2.34								
7440-50-8	Copper	C200.7	mg/kg	18.7								
7439-89-6	Iron	C200.7	mg/kg	2000								
7439-92-1	Lead	C200.7	mg/kg	30.2								
7439-95-4	Magnesium	C200.7	mg/kg	NL								
7439-96-5	Manganese	C200.7	mg/kg	183								
7440-02-0	Nickel	C200.7	mg/kg	15.9								
7440-09-7	Potassium	C200.7	mg/kg	NL								
7782-49-2	Selenium	C200.7	mg/kg	2								
7440-22-4	Silver	C200.7	mg/kg	0.73								
7440-23-5	Sodium	C200.7	mg/kg	NL								
7440-28-0	Thallium	C200.7	mg/kg	100000								
7440-31-5	Tin	C200.7	mg/kg	NL								
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548								
7440-66-6	Zinc	C200.7	mg/kg	124								
7440-36-0	Antimony	E200.8	mg/kg	2	9.1		4.3	J	15.6	J	16.4	
7440-38-2	Arsenic	E200.8	mg/kg	0.389	4.3		3.1		11.3		16.7	
7440-39-3	Barium	E200.8	mg/kg	130.1	6.4	J	4.4	J	9.8	J	17.1	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.13	J	0.097	J	0.25	J	0.2	J
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.32	J	0.058	J	0.16	J	0.31	UJ
7440-47-3	Chromium	E200.8	mg/kg	52.3	3.7		2.5		9.2		8.1	
7440-48-4	Cobalt	E200.8	mg/kg	2.34	0.64	J	0.32	J	1.3		0.87	
7440-50-8	Copper	E200.8	mg/kg	18.7	10.8		5.1		17.7		15.1	J
7439-92-1	Lead	E200.8	mg/kg	30.2	188		104		334		358	
7439-96-5	Manganese	E200.8	mg/kg	183	19.5		22.8		45.2		60.1	
7440-02-0	Nickel	E200.8	mg/kg	15.9	1.6		1.3		3.3		2.5	
7782-49-2	Selenium	E200.8	mg/kg	2	0.64	U	0.63	U	0.7	U	0.62	U
7440-22-4	Silver	E200.8	mg/kg	0.73	0.32	J	0.32	UJ	0.35	UJ	0.31	UJ
7440-28-0	Thallium	E200.8	mg/kg	100000	0.64	U	0.63	U	0.7	U	0.62	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	7.9		5	J	13.7	J	13.7	J
7440-66-6	Zinc	E200.8	mg/kg	124	23.8		12.8		39.5		27.6	J
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.039	J	0.038	U	0.068		0.037	U
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6								
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357								

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				sys_loc_code:	A126		A127		A128		A129	
				loc_name:	Area-02		Area-02		Area-02		Area-02	
				sys_sample_code:	A126 0-6		A127 0-6		A128 0-6		A129 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/21/2009		06/30/2009		06/30/2009		06/30/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
309-00-2	Aldrin	CPEST	ug/kg	2								
319-84-6	Alpha-Bhc	CPEST	ug/kg	3								
319-85-7	Beta-Bhc	CPEST	ug/kg	3								
319-86-8	Delta-Bhc	CPEST	ug/kg	3								
33213-65-9	Endosulfan II	CPEST	ug/kg	14								
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19								
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7								
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7								
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL								
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32								
60-57-1	Dieldrin	CPEST	ug/kg	0.72								
72-20-8	Endrin	CPEST	ug/kg	2.67								
72-43-5	Methoxychlor	CPEST	ug/kg	29.6								
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22								
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07								
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL								
76-44-8	Heptachlor	CPEST	ug/kg	68								
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1								
959-98-8	Endosulfan I	CPEST	ug/kg	2.9								
11096-82-5	Aroclor 1260	E608	ug/kg	21.6								
11097-69-1	Aroclor 1254	E608	ug/kg	23								
11100-14-4	Aroclor 1268	E608	ug/kg	21.6								
11104-28-2	Aroclor 1221	E608	ug/kg	21.6								
11141-16-5	Aroclor 1232	E608	ug/kg	21.6								
12672-29-6	Aroclor 1248	E608	ug/kg	21.6								
12674-11-2	Aroclor 1016	E608	ug/kg	21.6								
37324-23-5	Aroclor 1262	E608	ug/kg	21.6								
53469-21-9	Aroclor 1242	E608	ug/kg	21.6								
100-41-4	Ethylbenzene	E624	ug/kg	305								
100-42-5	Styrene	E624	ug/kg	7070								
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL								
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL								
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460								
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7								
107-06-2	1,2-Dichloroethane	E624	ug/kg	432								
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000								
108-87-2	Methylcyclohexane	E624	ug/kg	NL								
108-88-3	Toluene	E624	ug/kg	1090								
108-90-7	Chlorobenzene	E624	ug/kg	162								
110-82-7	Cyclohexane	E624	ug/kg	117000								
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473								
123-91-1	1,4-Dioxane	E624	ug/kg	44100								

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				sys_loc_code:	A126		A127		A128		A129	
				loc_name:	Area-02		Area-02		Area-02		Area-02	
				sys_sample_code:	A126 0-6		A127 0-6		A128 0-6		A129 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/21/2009		06/30/2009		06/30/2009		06/30/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
124-48-1	Dibromochloromethane	E624	ug/kg	680								
127-18-4	Tetrachloroethene	E624	ug/kg	190								
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200								
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300								
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300								
179601-23-1	m,p-Xylene	E624	ug/kg	NL								
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842								
56-23-5	Carbon tetrachloride	E624	ug/kg	248								
591-78-6	2-Hexanone	E624	ug/kg	20900								
67-64-1	Acetone	E624	ug/kg	6130000								
67-66-3	Chloroform	E624	ug/kg	295								
71-43-2	Benzene	E624	ug/kg	137								
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856								
74-83-9	Bromomethane	E624	ug/kg	732								
74-87-3	Chloromethane	E624	ug/kg	11900								
74-97-5	Bromochloromethane	E624	ug/kg	NL								
75-00-3	Chloroethane	E624	ug/kg	1450000								
75-01-4	Vinyl Chloride	E624	ug/kg	59.7								
75-09-2	Methylene chloride	E624	ug/kg	10700								
75-15-0	Carbon Disulfide	E624	ug/kg	0.851								
75-25-2	Bromoform	E624	ug/kg	1310								
75-27-4	Bromodichloromethane	E624	ug/kg	273								
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310								
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780								
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700								
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400								
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000								
78-87-5	1,2-Dichloropropane	E624	ug/kg	895								
78-93-3	2-Butanone	E624	ug/kg	2780000								
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570								
79-01-6	Trichloroethene	E624	ug/kg	1600								
79-20-9	Methyl Acetate	E624	ug/kg	7820000								
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202								
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858								
95-47-6	o-Xylene	E624	ug/kg	NL								
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989								
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35								
98-82-8	Isopropylbenzene	E624	ug/kg	86								
100-01-6	4-Nitroaniline	E625	ug/kg	24300								
100-02-7	4-Nitrophenol	E625	ug/kg	NL								
100-52-7	Benzaldehyde	E625	ug/kg	782000								
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230								

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				sys_loc_code:	A126		A127		A128		A129	
				loc_name:	Area-02		Area-02		Area-02		Area-02	
				sys_sample_code:	A126 0-6		A127 0-6		A128 0-6		A129 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/21/2009		06/30/2009		06/30/2009		06/30/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
105-60-2	Caprolactam	E625	ug/kg	3060000								
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29								
106-44-5	4-Methylphenol	E625	ug/kg	670								
106-47-8	4-Chloroaniline	E625	ug/kg	2430								
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570								
108-95-2	Phenol	E625	ug/kg	420								
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214								
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300								
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182								
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL								
118-74-1	Hexachlorobenzene	E625	ug/kg	20								
120-12-7	Anthracene	E625	ug/kg	46.9								
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117								
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6								
129-00-0	Pyrene	E625	ug/kg	153								
131-11-3	Dimethylphthalate	E625	ug/kg	NL								
132-64-9	Dibenzofuran	E625	ug/kg	7300								
1912-24-9	Atrazine	E625	ug/kg	6.62								
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170								
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17								
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148								
206-44-0	Fluoranthene	E625	ug/kg	113								
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240								
208-96-8	Acenaphthylene	E625	ug/kg	5.87								
218-01-9	Chrysene	E625	ug/kg	108								
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8								
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200								
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611								
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22								
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8								
58-90-2	Chlorophenols	E625	ug/kg	284								
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000								
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120								
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4								
67-72-1	Hexachloroethane	E625	ug/kg	804								
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL								
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139								
78-59-1	Isophorone	E625	ug/kg	511000								
83-32-9	Acenaphthene	E625	ug/kg	6.71								
84-66-2	Diethylphthalate	E625	ug/kg	218								
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160								
85-01-8	Phenanthrene	E625	ug/kg	86.7								

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				sys_loc_code:	A126		A127		A128		A129	
				loc_name:	Area-02		Area-02		Area-02		Area-02	
				sys_sample_code:	A126 0-6		A127 0-6		A128 0-6		A129 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/21/2009		06/30/2009		06/30/2009		06/30/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800								
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100								
86-73-7	Fluorene	E625	ug/kg	19								
86-74-8	Carbazole	E625	ug/kg	NL								
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110								
87-86-5	Pentachlorophenol	E625	ug/kg	2970								
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650								
88-74-4	2-Nitroaniline	E625	ug/kg	60600								
88-75-5	2-Nitrophenol	E625	ug/kg	NL								
91-20-3	Naphthalene	E625	ug/kg	34.6								
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2								
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000								
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080								
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220								
95-48-7	2-Methylphenol	E625	ug/kg	306000								
95-57-8	2-Chlorophenol	E625	ug/kg	344								
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830								
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819								
98-86-2	Acetophenone	E625	ug/kg	782000								
98-95-3	Nitrobenzene	E625	ug/kg	4790								
99-09-2	3-Nitroaniline	E625	ug/kg	NL								

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Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 2 Sediment Samples < 12 inches

				sys_loc_code:	A131		A160		A161		A162	
				loc_name:	Area-02		Area-02		Area-02		Area-02	
				sys_sample_code:	A131 0-6		A160 0-6		A161 0-6		A162 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	06/30/2009		07/21/2009		07/22/2009		07/22/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	C200.7	mg/kg	7740								
7440-36-0	Antimony	C200.7	mg/kg	2								
7440-38-2	Arsenic	C200.7	mg/kg	0.389								
7440-39-3	Barium	C200.7	mg/kg	130.1								
7440-41-7	Beryllium	C200.7	mg/kg	15.6								
7440-43-9	Cadmium	C200.7	mg/kg	0.68								
7440-70-2	Calcium	C200.7	mg/kg	NL								
7440-47-3	Chromium	C200.7	mg/kg	52.3								
7440-48-4	Cobalt	C200.7	mg/kg	2.34								
7440-50-8	Copper	C200.7	mg/kg	18.7								
7439-89-6	Iron	C200.7	mg/kg	2000								
7439-92-1	Lead	C200.7	mg/kg	30.2								
7439-95-4	Magnesium	C200.7	mg/kg	NL								
7439-96-5	Manganese	C200.7	mg/kg	183								
7440-02-0	Nickel	C200.7	mg/kg	15.9								
7440-09-7	Potassium	C200.7	mg/kg	NL								
7782-49-2	Selenium	C200.7	mg/kg	2								
7440-22-4	Silver	C200.7	mg/kg	0.73								
7440-23-5	Sodium	C200.7	mg/kg	NL								
7440-28-0	Thallium	C200.7	mg/kg	100000								
7440-31-5	Tin	C200.7	mg/kg	NL								
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548								
7440-66-6	Zinc	C200.7	mg/kg	124								
7440-36-0	Antimony	E200.8	mg/kg	2	8.2	J	1.4	U	1.4	U	1.4	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389	5.4		6.4	J	6.9	J	5.3	J
7440-39-3	Barium	E200.8	mg/kg	130.1	9.5	J	7.1	U	6.9	U	7	
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.14	J	0.27	J	0.36		0.41	
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.11	J	0.35	U	0.34	U	0.34	U
7440-47-3	Chromium	E200.8	mg/kg	52.3	5.1		10.3		12.3	J	10.4	J
7440-48-4	Cobalt	E200.8	mg/kg	2.34	0.75		1.6		2		1.6	
7440-50-8	Copper	E200.8	mg/kg	18.7	11.1		10.5		13.7	J	8.8	J
7439-92-1	Lead	E200.8	mg/kg	30.2	191		38.5		18.5		32.8	
7439-96-5	Manganese	E200.8	mg/kg	183	38.5		45.3		44.1		46.4	
7440-02-0	Nickel	E200.8	mg/kg	15.9	2		3.7		5.5		3.9	
7782-49-2	Selenium	E200.8	mg/kg	2	0.64	U	0.71	U	0.45	J	0.33	J
7440-22-4	Silver	E200.8	mg/kg	0.73	0.32	UJ	0.35	U	0.34	U	0.34	U
7440-28-0	Thallium	E200.8	mg/kg	100000	0.64	U	0.71	U	0.69	U	0.69	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	8.5	J	16.3	J	16.7		16.5	
7440-66-6	Zinc	E200.8	mg/kg	124	24.7		37.6		35.3	J	28.5	J
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.084		0.098		0.19		0.06	
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6								
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357								

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				sys_loc_code:	A131		A160		A161		A162	
				loc_name:	Area-02		Area-02		Area-02		Area-02	
				sys_sample_code:	A131 0-6		A160 0-6		A161 0-6		A162 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	06/30/2009		07/21/2009		07/22/2009		07/22/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
309-00-2	Aldrin	CPEST	ug/kg	2								
319-84-6	Alpha-Bhc	CPEST	ug/kg	3								
319-85-7	Beta-Bhc	CPEST	ug/kg	3								
319-86-8	Delta-Bhc	CPEST	ug/kg	3								
33213-65-9	Endosulfan II	CPEST	ug/kg	14								
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19								
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7								
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7								
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL								
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32								
60-57-1	Dieldrin	CPEST	ug/kg	0.72								
72-20-8	Endrin	CPEST	ug/kg	2.67								
72-43-5	Methoxychlor	CPEST	ug/kg	29.6								
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22								
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07								
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL								
76-44-8	Heptachlor	CPEST	ug/kg	68								
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1								
959-98-8	Endosulfan I	CPEST	ug/kg	2.9								
11096-82-5	Aroclor 1260	E608	ug/kg	21.6								
11097-69-1	Aroclor 1254	E608	ug/kg	23								
11100-14-4	Aroclor 1268	E608	ug/kg	21.6								
11104-28-2	Aroclor 1221	E608	ug/kg	21.6								
11141-16-5	Aroclor 1232	E608	ug/kg	21.6								
12672-29-6	Aroclor 1248	E608	ug/kg	21.6								
12674-11-2	Aroclor 1016	E608	ug/kg	21.6								
37324-23-5	Aroclor 1262	E608	ug/kg	21.6								
53469-21-9	Aroclor 1242	E608	ug/kg	21.6								
100-41-4	Ethylbenzene	E624	ug/kg	305								
100-42-5	Styrene	E624	ug/kg	7070								
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL								
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL								
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460								
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7								
107-06-2	1,2-Dichloroethane	E624	ug/kg	432								
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000								
108-87-2	Methylcyclohexane	E624	ug/kg	NL								
108-88-3	Toluene	E624	ug/kg	1090								
108-90-7	Chlorobenzene	E624	ug/kg	162								
110-82-7	Cyclohexane	E624	ug/kg	117000								
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473								
123-91-1	1,4-Dioxane	E624	ug/kg	44100								

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				sys_loc_code:	A131		A160		A161		A162	
				loc_name:	Area-02		Area-02		Area-02		Area-02	
				sys_sample_code:	A131 0-6		A160 0-6		A161 0-6		A162 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	06/30/2009		07/21/2009		07/22/2009		07/22/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
124-48-1	Dibromochloromethane	E624	ug/kg	680								
127-18-4	Tetrachloroethene	E624	ug/kg	190								
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200								
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300								
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300								
179601-23-1	m,p-Xylene	E624	ug/kg	NL								
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842								
56-23-5	Carbon tetrachloride	E624	ug/kg	248								
591-78-6	2-Hexanone	E624	ug/kg	20900								
67-64-1	Acetone	E624	ug/kg	6130000								
67-66-3	Chloroform	E624	ug/kg	295								
71-43-2	Benzene	E624	ug/kg	137								
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856								
74-83-9	Bromomethane	E624	ug/kg	732								
74-87-3	Chloromethane	E624	ug/kg	11900								
74-97-5	Bromochloromethane	E624	ug/kg	NL								
75-00-3	Chloroethane	E624	ug/kg	1450000								
75-01-4	Vinyl Chloride	E624	ug/kg	59.7								
75-09-2	Methylene chloride	E624	ug/kg	10700								
75-15-0	Carbon Disulfide	E624	ug/kg	0.851								
75-25-2	Bromoform	E624	ug/kg	1310								
75-27-4	Bromodichloromethane	E624	ug/kg	273								
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310								
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780								
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700								
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400								
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000								
78-87-5	1,2-Dichloropropane	E624	ug/kg	895								
78-93-3	2-Butanone	E624	ug/kg	2780000								
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570								
79-01-6	Trichloroethene	E624	ug/kg	1600								
79-20-9	Methyl Acetate	E624	ug/kg	7820000								
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202								
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858								
95-47-6	o-Xylene	E624	ug/kg	NL								
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989								
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35								
98-82-8	Isopropylbenzene	E624	ug/kg	86								
100-01-6	4-Nitroaniline	E625	ug/kg	24300								
100-02-7	4-Nitrophenol	E625	ug/kg	NL								
100-52-7	Benzaldehyde	E625	ug/kg	782000								
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230								

R2-0000880

				sys_loc_code:	A131		A160		A161		A162	
				loc_name:	Area-02		Area-02		Area-02		Area-02	
				sys_sample_code:	A131 0-6		A160 0-6		A161 0-6		A162 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	06/30/2009		07/21/2009		07/22/2009		07/22/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
105-60-2	Caprolactam	E625	ug/kg	3060000								
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29								
106-44-5	4-Methylphenol	E625	ug/kg	670								
106-47-8	4-Chloroaniline	E625	ug/kg	2430								
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570								
108-95-2	Phenol	E625	ug/kg	420								
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214								
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300								
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182								
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL								
118-74-1	Hexachlorobenzene	E625	ug/kg	20								
120-12-7	Anthracene	E625	ug/kg	46.9								
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117								
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6								
129-00-0	Pyrene	E625	ug/kg	153								
131-11-3	Dimethylphthalate	E625	ug/kg	NL								
132-64-9	Dibenzofuran	E625	ug/kg	7300								
1912-24-9	Atrazine	E625	ug/kg	6.62								
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170								
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17								
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148								
206-44-0	Fluoranthene	E625	ug/kg	113								
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240								
208-96-8	Acenaphthylene	E625	ug/kg	5.87								
218-01-9	Chrysene	E625	ug/kg	108								
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8								
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200								
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611								
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22								
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8								
58-90-2	Chlorophenols	E625	ug/kg	284								
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000								
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120								
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4								
67-72-1	Hexachloroethane	E625	ug/kg	804								
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL								
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139								
78-59-1	Isophorone	E625	ug/kg	511000								
83-32-9	Acenaphthene	E625	ug/kg	6.71								
84-66-2	Diethylphthalate	E625	ug/kg	218								
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160								
85-01-8	Phenanthrene	E625	ug/kg	86.7								

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				sys_loc_code:	A131		A160		A161		A162	
				loc_name:	Area-02		Area-02		Area-02		Area-02	
				sys_sample_code:	A131 0-6		A160 0-6		A161 0-6		A162 0-6	
				depth	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	06/30/2009		07/21/2009		07/22/2009		07/22/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800								
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100								
86-73-7	Fluorene	E625	ug/kg	19								
86-74-8	Carbazole	E625	ug/kg	NL								
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110								
87-86-5	Pentachlorophenol	E625	ug/kg	2970								
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650								
88-74-4	2-Nitroaniline	E625	ug/kg	60600								
88-75-5	2-Nitrophenol	E625	ug/kg	NL								
91-20-3	Naphthalene	E625	ug/kg	34.6								
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2								
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000								
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080								
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220								
95-48-7	2-Methylphenol	E625	ug/kg	306000								
95-57-8	2-Chlorophenol	E625	ug/kg	344								
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830								
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819								
98-86-2	Acetophenone	E625	ug/kg	782000								
98-95-3	Nitrobenzene	E625	ug/kg	4790								
99-09-2	3-Nitroaniline	E625	ug/kg	NL								

R2-0000882

Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 2 Sediment Samples < 12 inches

				sys_loc_code:	A163		A164		A100		A110	
				loc_name:	Area-02		Area-02		Area-02		Area-02	
				sys_sample_code:	A163 0-6		A164 0-6		A100 0-12		A110 0-12	
				depth	0-6 in		0-6 in		0-12 in		0-12 in	
				sample_date:	07/22/2009		07/22/2009		06/30/2009		06/30/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	C200.7	mg/kg	7740								
7440-36-0	Antimony	C200.7	mg/kg	2								
7440-38-2	Arsenic	C200.7	mg/kg	0.389								
7440-39-3	Barium	C200.7	mg/kg	130.1								
7440-41-7	Beryllium	C200.7	mg/kg	15.6								
7440-43-9	Cadmium	C200.7	mg/kg	0.68								
7440-70-2	Calcium	C200.7	mg/kg	NL								
7440-47-3	Chromium	C200.7	mg/kg	52.3								
7440-48-4	Cobalt	C200.7	mg/kg	2.34								
7440-50-8	Copper	C200.7	mg/kg	18.7								
7439-89-6	Iron	C200.7	mg/kg	2000								
7439-92-1	Lead	C200.7	mg/kg	30.2								
7439-95-4	Magnesium	C200.7	mg/kg	NL								
7439-96-5	Manganese	C200.7	mg/kg	183								
7440-02-0	Nickel	C200.7	mg/kg	15.9								
7440-09-7	Potassium	C200.7	mg/kg	NL								
7782-49-2	Selenium	C200.7	mg/kg	2								
7440-22-4	Silver	C200.7	mg/kg	0.73								
7440-23-5	Sodium	C200.7	mg/kg	NL								
7440-28-0	Thallium	C200.7	mg/kg	100000								
7440-31-5	Tin	C200.7	mg/kg	NL								
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548								
7440-66-6	Zinc	C200.7	mg/kg	124								
7440-36-0	Antimony	E200.8	mg/kg	2	1.4		3		35.1		8.8	J
7440-38-2	Arsenic	E200.8	mg/kg	0.389	2.4	J	3.2	J	14.7		6.7	
7440-39-3	Barium	E200.8	mg/kg	130.1	6.6	U	6.5	U	12.8	J	7.2	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.33	U	0.32	U	0.25	J	0.4	
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.33	U	0.32	U	0.33	UJ	0.11	J
7440-47-3	Chromium	E200.8	mg/kg	52.3	2.8	J	3.2	J	8.4		9	
7440-48-4	Cobalt	E200.8	mg/kg	2.34	2.1		0.65	U	1.1		1.3	
7440-50-8	Copper	E200.8	mg/kg	18.7	8.2	J	6.9	J	38.6	J	13.1	
7439-92-1	Lead	E200.8	mg/kg	30.2	51.4		89		588		220	
7439-96-5	Manganese	E200.8	mg/kg	183	10.1		11.1		30.1		14.7	
7440-02-0	Nickel	E200.8	mg/kg	15.9	5.8		1.1		6.4		2.9	
7782-49-2	Selenium	E200.8	mg/kg	2	0.66	U	0.65	U	0.65	U	0.64	U
7440-22-4	Silver	E200.8	mg/kg	0.73	0.33	U	0.32	U	0.33	UJ	0.32	UJ
7440-28-0	Thallium	E200.8	mg/kg	100000	0.66	U	0.65	U	0.65	U	0.64	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	8.7		8.1		9.9	J	14.7	J
7440-66-6	Zinc	E200.8	mg/kg	124	17	J	19.5	J	33.9	J	23.4	
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.04	U	0.039	U	0.049		0.039	
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6								
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357								

R2-0000883

				sys_loc_code:	A163		A164		A100		A110	
				loc_name:	Area-02		Area-02		Area-02		Area-02	
				sys_sample_code:	A163 0-6		A164 0-6		A100 0-12		A110 0-12	
				depth	0-6 in		0-6 in		0-12 in		0-12 in	
				sample_date:	07/22/2009		07/22/2009		06/30/2009		06/30/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
309-00-2	Aldrin	CPEST	ug/kg	2								
319-84-6	Alpha-Bhc	CPEST	ug/kg	3								
319-85-7	Beta-Bhc	CPEST	ug/kg	3								
319-86-8	Delta-Bhc	CPEST	ug/kg	3								
33213-65-9	Endosulfan II	CPEST	ug/kg	14								
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19								
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7								
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7								
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL								
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32								
60-57-1	Dieldrin	CPEST	ug/kg	0.72								
72-20-8	Endrin	CPEST	ug/kg	2.67								
72-43-5	Methoxychlor	CPEST	ug/kg	29.6								
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22								
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07								
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL								
76-44-8	Heptachlor	CPEST	ug/kg	68								
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1								
959-98-8	Endosulfan I	CPEST	ug/kg	2.9								
11096-82-5	Aroclor 1260	E608	ug/kg	21.6								
11097-69-1	Aroclor 1254	E608	ug/kg	23								
11100-14-4	Aroclor 1268	E608	ug/kg	21.6								
11104-28-2	Aroclor 1221	E608	ug/kg	21.6								
11141-16-5	Aroclor 1232	E608	ug/kg	21.6								
12672-29-6	Aroclor 1248	E608	ug/kg	21.6								
12674-11-2	Aroclor 1016	E608	ug/kg	21.6								
37324-23-5	Aroclor 1262	E608	ug/kg	21.6								
53469-21-9	Aroclor 1242	E608	ug/kg	21.6								
100-41-4	Ethylbenzene	E624	ug/kg	305								
100-42-5	Styrene	E624	ug/kg	7070								
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL								
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL								
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460								
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7								
107-06-2	1,2-Dichloroethane	E624	ug/kg	432								
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000								
108-87-2	Methylcyclohexane	E624	ug/kg	NL								
108-88-3	Toluene	E624	ug/kg	1090								
108-90-7	Chlorobenzene	E624	ug/kg	162								
110-82-7	Cyclohexane	E624	ug/kg	117000								
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473								
123-91-1	1,4-Dioxane	E624	ug/kg	44100								

R2-0000884

				sys_loc_code:	A163		A164		A100		A110	
				loc_name:	Area-02		Area-02		Area-02		Area-02	
				sys_sample_code:	A163 0-6		A164 0-6		A100 0-12		A110 0-12	
				depth	0-6 in		0-6 in		0-12 in		0-12 in	
				sample_date:	07/22/2009		07/22/2009		06/30/2009		06/30/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
124-48-1	Dibromochloromethane	E624	ug/kg	680								
127-18-4	Tetrachloroethene	E624	ug/kg	190								
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200								
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300								
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300								
179601-23-1	m,p-Xylene	E624	ug/kg	NL								
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842								
56-23-5	Carbon tetrachloride	E624	ug/kg	248								
591-78-6	2-Hexanone	E624	ug/kg	20900								
67-64-1	Acetone	E624	ug/kg	6130000								
67-66-3	Chloroform	E624	ug/kg	295								
71-43-2	Benzene	E624	ug/kg	137								
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856								
74-83-9	Bromomethane	E624	ug/kg	732								
74-87-3	Chloromethane	E624	ug/kg	11900								
74-97-5	Bromochloromethane	E624	ug/kg	NL								
75-00-3	Chloroethane	E624	ug/kg	1450000								
75-01-4	Vinyl Chloride	E624	ug/kg	59.7								
75-09-2	Methylene chloride	E624	ug/kg	10700								
75-15-0	Carbon Disulfide	E624	ug/kg	0.851								
75-25-2	Bromoform	E624	ug/kg	1310								
75-27-4	Bromodichloromethane	E624	ug/kg	273								
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310								
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780								
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700								
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400								
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000								
78-87-5	1,2-Dichloropropane	E624	ug/kg	895								
78-93-3	2-Butanone	E624	ug/kg	2780000								
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570								
79-01-6	Trichloroethene	E624	ug/kg	1600								
79-20-9	Methyl Acetate	E624	ug/kg	7820000								
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202								
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858								
95-47-6	o-Xylene	E624	ug/kg	NL								
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989								
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35								
98-82-8	Isopropylbenzene	E624	ug/kg	86								
100-01-6	4-Nitroaniline	E625	ug/kg	24300								
100-02-7	4-Nitrophenol	E625	ug/kg	NL								
100-52-7	Benzaldehyde	E625	ug/kg	782000								
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230								

R2-0000885

				sys_loc_code:	A163		A164		A100		A110	
				loc_name:	Area-02		Area-02		Area-02		Area-02	
				sys_sample_code:	A163 0-6		A164 0-6		A100 0-12		A110 0-12	
				depth	0-6 in		0-6 in		0-12 in		0-12 in	
				sample_date:	07/22/2009		07/22/2009		06/30/2009		06/30/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
105-60-2	Caprolactam	E625	ug/kg	3060000								
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29								
106-44-5	4-Methylphenol	E625	ug/kg	670								
106-47-8	4-Chloroaniline	E625	ug/kg	2430								
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570								
108-95-2	Phenol	E625	ug/kg	420								
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214								
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300								
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182								
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL								
118-74-1	Hexachlorobenzene	E625	ug/kg	20								
120-12-7	Anthracene	E625	ug/kg	46.9								
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117								
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6								
129-00-0	Pyrene	E625	ug/kg	153								
131-11-3	Dimethylphthalate	E625	ug/kg	NL								
132-64-9	Dibenzofuran	E625	ug/kg	7300								
1912-24-9	Atrazine	E625	ug/kg	6.62								
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170								
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17								
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148								
206-44-0	Fluoranthene	E625	ug/kg	113								
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240								
208-96-8	Acenaphthylene	E625	ug/kg	5.87								
218-01-9	Chrysene	E625	ug/kg	108								
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8								
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200								
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611								
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22								
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8								
58-90-2	Chlorophenols	E625	ug/kg	284								
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000								
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120								
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4								
67-72-1	Hexachloroethane	E625	ug/kg	804								
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL								
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139								
78-59-1	Isophorone	E625	ug/kg	511000								
83-32-9	Acenaphthene	E625	ug/kg	6.71								
84-66-2	Diethylphthalate	E625	ug/kg	218								
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160								
85-01-8	Phenanthrene	E625	ug/kg	86.7								

R2-0000886

				sys_loc_code:	A163		A164		A100		A110	
				loc_name:	Area-02		Area-02		Area-02		Area-02	
				sys_sample_code:	A163 0-6		A164 0-6		A100 0-12		A110 0-12	
				depth	0-6 in		0-6 in		0-12 in		0-12 in	
				sample_date:	07/22/2009		07/22/2009		06/30/2009		06/30/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800								
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100								
86-73-7	Fluorene	E625	ug/kg	19								
86-74-8	Carbazole	E625	ug/kg	NL								
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110								
87-86-5	Pentachlorophenol	E625	ug/kg	2970								
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650								
88-74-4	2-Nitroaniline	E625	ug/kg	60600								
88-75-5	2-Nitrophenol	E625	ug/kg	NL								
91-20-3	Naphthalene	E625	ug/kg	34.6								
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2								
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000								
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080								
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220								
95-48-7	2-Methylphenol	E625	ug/kg	306000								
95-57-8	2-Chlorophenol	E625	ug/kg	344								
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830								
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819								
98-86-2	Acetophenone	E625	ug/kg	782000								
98-95-3	Nitrobenzene	E625	ug/kg	4790								
99-09-2	3-Nitroaniline	E625	ug/kg	NL								

R2-0000887

Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 2 Sediment Samples < 12 inches

				sys_loc_code:	A111		A112		A113	
				loc_name:	Area-02		Area-02		Area-02	
				sys_sample_code:	A111 0-12		A112 0-12		A113 0-12	
				depth	0-12 in		0-12 in		0-12 in	
				sample_date:	06/30/2009		06/30/2009		06/30/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
7429-90-5	Aluminum	C200.7	mg/kg	7740						
7440-36-0	Antimony	C200.7	mg/kg	2						
7440-38-2	Arsenic	C200.7	mg/kg	0.389						
7440-39-3	Barium	C200.7	mg/kg	130.1						
7440-41-7	Beryllium	C200.7	mg/kg	15.6						
7440-43-9	Cadmium	C200.7	mg/kg	0.68						
7440-70-2	Calcium	C200.7	mg/kg	NL						
7440-47-3	Chromium	C200.7	mg/kg	52.3						
7440-48-4	Cobalt	C200.7	mg/kg	2.34						
7440-50-8	Copper	C200.7	mg/kg	18.7						
7439-89-6	Iron	C200.7	mg/kg	2000						
7439-92-1	Lead	C200.7	mg/kg	30.2						
7439-95-4	Magnesium	C200.7	mg/kg	NL						
7439-96-5	Manganese	C200.7	mg/kg	183						
7440-02-0	Nickel	C200.7	mg/kg	15.9						
7440-09-7	Potassium	C200.7	mg/kg	NL						
7782-49-2	Selenium	C200.7	mg/kg	2						
7440-22-4	Silver	C200.7	mg/kg	0.73						
7440-23-5	Sodium	C200.7	mg/kg	NL						
7440-28-0	Thallium	C200.7	mg/kg	100000						
7440-31-5	Tin	C200.7	mg/kg	NL						
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548						
7440-66-6	Zinc	C200.7	mg/kg	124						
7440-36-0	Antimony	E200.8	mg/kg	2	7.2	J	7.3		188	R
7440-38-2	Arsenic	E200.8	mg/kg	0.389	3.5		3.9		38.7	J
7440-39-3	Barium	E200.8	mg/kg	130.1	4.3	J	4.7	J	8.8	R
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.15	J	0.13	J	0.37	
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.072	J	0.32	UJ	0.3	UJ
7440-47-3	Chromium	E200.8	mg/kg	52.3	3.4		3.8		15.8	
7440-48-4	Cobalt	E200.8	mg/kg	2.34	0.51	J	0.48	J	1.8	
7440-50-8	Copper	E200.8	mg/kg	18.7	8.1		10.4	J	31.7	J
7439-92-1	Lead	E200.8	mg/kg	30.2	141		165		1170	J
7439-96-5	Manganese	E200.8	mg/kg	183	9.3		7.1		57.4	J
7440-02-0	Nickel	E200.8	mg/kg	15.9	1.5		1.4		13	J
7782-49-2	Selenium	E200.8	mg/kg	2	0.62	U	0.64	J	0.59	U
7440-22-4	Silver	E200.8	mg/kg	0.73	0.31	UJ	0.32	UJ	0.3	UJ
7440-28-0	Thallium	E200.8	mg/kg	100000	0.62	U	0.64	U	0.59	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	7.8	J	7.7	J	35.1	J
7440-66-6	Zinc	E200.8	mg/kg	124	17.9		15.6	J	60.2	J
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.037	U	0.038	U	0.035	U
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6						
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357						

R2-0000888

				sys_loc_code:	A111		A112		A113	
				loc_name:	Area-02		Area-02		Area-02	
				sys_sample_code:	A111 0-12		A112 0-12		A113 0-12	
				depth	0-12 in		0-12 in		0-12 in	
				sample_date:	06/30/2009		06/30/2009		06/30/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
309-00-2	Aldrin	CPEST	ug/kg	2						
319-84-6	Alpha-Bhc	CPEST	ug/kg	3						
319-85-7	Beta-Bhc	CPEST	ug/kg	3						
319-86-8	Delta-Bhc	CPEST	ug/kg	3						
33213-65-9	Endosulfan II	CPEST	ug/kg	14						
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19						
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7						
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7						
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL						
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32						
60-57-1	Dieldrin	CPEST	ug/kg	0.72						
72-20-8	Endrin	CPEST	ug/kg	2.67						
72-43-5	Methoxychlor	CPEST	ug/kg	29.6						
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22						
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07						
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL						
76-44-8	Heptachlor	CPEST	ug/kg	68						
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1						
959-98-8	Endosulfan I	CPEST	ug/kg	2.9						
11096-82-5	Aroclor 1260	E608	ug/kg	21.6						
11097-69-1	Aroclor 1254	E608	ug/kg	23						
11100-14-4	Aroclor 1268	E608	ug/kg	21.6						
11104-28-2	Aroclor 1221	E608	ug/kg	21.6						
11141-16-5	Aroclor 1232	E608	ug/kg	21.6						
12672-29-6	Aroclor 1248	E608	ug/kg	21.6						
12674-11-2	Aroclor 1016	E608	ug/kg	21.6						
37324-23-5	Aroclor 1262	E608	ug/kg	21.6						
53469-21-9	Aroclor 1242	E608	ug/kg	21.6						
100-41-4	Ethylbenzene	E624	ug/kg	305						
100-42-5	Styrene	E624	ug/kg	7070						
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL						
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL						
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460						
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7						
107-06-2	1,2-Dichloroethane	E624	ug/kg	432						
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000						
108-87-2	Methylcyclohexane	E624	ug/kg	NL						
108-88-3	Toluene	E624	ug/kg	1090						
108-90-7	Chlorobenzene	E624	ug/kg	162						
110-82-7	Cyclohexane	E624	ug/kg	117000						
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473						
123-91-1	1,4-Dioxane	E624	ug/kg	44100						

R2-0000889

				sys_loc_code:	A111		A112		A113	
				loc_name:	Area-02		Area-02		Area-02	
				sys_sample_code:	A111 0-12		A112 0-12		A113 0-12	
				depth	0-12 in		0-12 in		0-12 in	
				sample_date:	06/30/2009		06/30/2009		06/30/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
124-48-1	Dibromochloromethane	E624	ug/kg	680						
127-18-4	Tetrachloroethene	E624	ug/kg	190						
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200						
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300						
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300						
179601-23-1	m,p-Xylene	E624	ug/kg	NL						
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842						
56-23-5	Carbon tetrachloride	E624	ug/kg	248						
591-78-6	2-Hexanone	E624	ug/kg	20900						
67-64-1	Acetone	E624	ug/kg	6130000						
67-66-3	Chloroform	E624	ug/kg	295						
71-43-2	Benzene	E624	ug/kg	137						
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856						
74-83-9	Bromomethane	E624	ug/kg	732						
74-87-3	Chloromethane	E624	ug/kg	11900						
74-97-5	Bromochloromethane	E624	ug/kg	NL						
75-00-3	Chloroethane	E624	ug/kg	1450000						
75-01-4	Vinyl Chloride	E624	ug/kg	59.7						
75-09-2	Methylene chloride	E624	ug/kg	10700						
75-15-0	Carbon Disulfide	E624	ug/kg	0.851						
75-25-2	Bromoform	E624	ug/kg	1310						
75-27-4	Bromodichloromethane	E624	ug/kg	273						
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310						
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780						
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700						
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400						
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000						
78-87-5	1,2-Dichloropropane	E624	ug/kg	895						
78-93-3	2-Butanone	E624	ug/kg	2780000						
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570						
79-01-6	Trichloroethene	E624	ug/kg	1600						
79-20-9	Methyl Acetate	E624	ug/kg	7820000						
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202						
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858						
95-47-6	o-Xylene	E624	ug/kg	NL						
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989						
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35						
98-82-8	Isopropylbenzene	E624	ug/kg	86						
100-01-6	4-Nitroaniline	E625	ug/kg	24300						
100-02-7	4-Nitrophenol	E625	ug/kg	NL						
100-52-7	Benzaldehyde	E625	ug/kg	782000						
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230						

R2-0000890

				sys_loc_code:	A111		A112		A113	
				loc_name:	Area-02		Area-02		Area-02	
				sys_sample_code:	A111 0-12		A112 0-12		A113 0-12	
				depth	0-12 in		0-12 in		0-12 in	
				sample_date:	06/30/2009		06/30/2009		06/30/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
105-60-2	Caprolactam	E625	ug/kg	3060000						
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29						
106-44-5	4-Methylphenol	E625	ug/kg	670						
106-47-8	4-Chloroaniline	E625	ug/kg	2430						
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570						
108-95-2	Phenol	E625	ug/kg	420						
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214						
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300						
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182						
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL						
118-74-1	Hexachlorobenzene	E625	ug/kg	20						
120-12-7	Anthracene	E625	ug/kg	46.9						
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117						
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6						
129-00-0	Pyrene	E625	ug/kg	153						
131-11-3	Dimethylphthalate	E625	ug/kg	NL						
132-64-9	Dibenzofuran	E625	ug/kg	7300						
1912-24-9	Atrazine	E625	ug/kg	6.62						
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170						
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17						
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148						
206-44-0	Fluoranthene	E625	ug/kg	113						
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240						
208-96-8	Acenaphthylene	E625	ug/kg	5.87						
218-01-9	Chrysene	E625	ug/kg	108						
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8						
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200						
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611						
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22						
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8						
58-90-2	Chlorophenols	E625	ug/kg	284						
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000						
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120						
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4						
67-72-1	Hexachloroethane	E625	ug/kg	804						
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL						
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139						
78-59-1	Isophorone	E625	ug/kg	511000						
83-32-9	Acenaphthene	E625	ug/kg	6.71						
84-66-2	Diethylphthalate	E625	ug/kg	218						
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160						
85-01-8	Phenanthrene	E625	ug/kg	86.7						

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				sys_loc_code:	A111		A112		A113	
				loc_name:	Area-02		Area-02		Area-02	
				sys_sample_code:	A111 0-12		A112 0-12		A113 0-12	
				depth	0-12 in		0-12 in		0-12 in	
				sample_date:	06/30/2009		06/30/2009		06/30/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800						
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100						
86-73-7	Fluorene	E625	ug/kg	19						
86-74-8	Carbazole	E625	ug/kg	NL						
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110						
87-86-5	Pentachlorophenol	E625	ug/kg	2970						
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650						
88-74-4	2-Nitroaniline	E625	ug/kg	60600						
88-75-5	2-Nitrophenol	E625	ug/kg	NL						
91-20-3	Naphthalene	E625	ug/kg	34.6						
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2						
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000						
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080						
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220						
95-48-7	2-Methylphenol	E625	ug/kg	306000						
95-57-8	2-Chlorophenol	E625	ug/kg	344						
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830						
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819						
98-86-2	Acetophenone	E625	ug/kg	782000						
98-95-3	Nitrobenzene	E625	ug/kg	4790						
99-09-2	3-Nitroaniline	E625	ug/kg	NL						

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Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 2 Sediment Samples < 12 inches

				sys_loc_code:	A114		A118		A119		A120	
				loc_name:	Area-02		Area-02		Area-02		Area-02	
				sys_sample_code:	A114 0-12		A118 0-12		A119 0-12		A120 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	06/30/2009		07/20/2009		07/20/2009		07/20/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	C200.7	mg/kg	7740								
7440-36-0	Antimony	C200.7	mg/kg	2								
7440-38-2	Arsenic	C200.7	mg/kg	0.389								
7440-39-3	Barium	C200.7	mg/kg	130.1								
7440-41-7	Beryllium	C200.7	mg/kg	15.6								
7440-43-9	Cadmium	C200.7	mg/kg	0.68								
7440-70-2	Calcium	C200.7	mg/kg	NL								
7440-47-3	Chromium	C200.7	mg/kg	52.3								
7440-48-4	Cobalt	C200.7	mg/kg	2.34								
7440-50-8	Copper	C200.7	mg/kg	18.7								
7439-89-6	Iron	C200.7	mg/kg	2000								
7439-92-1	Lead	C200.7	mg/kg	30.2								
7439-95-4	Magnesium	C200.7	mg/kg	NL								
7439-96-5	Manganese	C200.7	mg/kg	183								
7440-02-0	Nickel	C200.7	mg/kg	15.9								
7440-09-7	Potassium	C200.7	mg/kg	NL								
7782-49-2	Selenium	C200.7	mg/kg	2								
7440-22-4	Silver	C200.7	mg/kg	0.73								
7440-23-5	Sodium	C200.7	mg/kg	NL								
7440-28-0	Thallium	C200.7	mg/kg	100000								
7440-31-5	Tin	C200.7	mg/kg	NL								
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548								
7440-66-6	Zinc	C200.7	mg/kg	124								
7440-36-0	Antimony	E200.8	mg/kg	2	26.8		1.3	U	9.8	J	2.6	J
7440-38-2	Arsenic	E200.8	mg/kg	0.389	17.8		8.9	J	6.2	J	1.9	J
7440-39-3	Barium	E200.8	mg/kg	130.1	6	J	6.4	UJ	5.9	J	4.1	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.28		0.23	J	0.23	J	0.22	J
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.26	UJ	0.32	U	0.32	UJ	0.32	UJ
7440-47-3	Chromium	E200.8	mg/kg	52.3	12.3		13.9		6.3	J	3.3	J
7440-48-4	Cobalt	E200.8	mg/kg	2.34	0.82		1.4		0.82	J	0.64	UJ
7440-50-8	Copper	E200.8	mg/kg	18.7	14.7	J	14.8		16.3	J	3.5	J
7439-92-1	Lead	E200.8	mg/kg	30.2	576		31.5		220	J	39	J
7439-96-5	Manganese	E200.8	mg/kg	183	55.9		15		21.2	J	5.1	J
7440-02-0	Nickel	E200.8	mg/kg	15.9	2.7		5.7		2.3	J	1.4	J
7782-49-2	Selenium	E200.8	mg/kg	2	0.53	U	0.54	J	0.65	UJ	0.64	UJ
7440-22-4	Silver	E200.8	mg/kg	0.73	0.26	UJ	0.32	UJ	0.32	UJ	0.32	UJ
7440-28-0	Thallium	E200.8	mg/kg	100000	0.53	U	0.64	U	0.65	UJ	0.64	UJ
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	24.3	J	17.7	J	12.9	J	7.1	J
7440-66-6	Zinc	E200.8	mg/kg	124	32	J	53.9		37.3	J	9.6	J
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.032	U	0.24		0.058	J	0.028	J
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6								
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357								

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				sys_loc_code:	A114		A118		A119		A120	
				loc_name:	Area-02		Area-02		Area-02		Area-02	
				sys_sample_code:	A114 0-12		A118 0-12		A119 0-12		A120 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	06/30/2009		07/20/2009		07/20/2009		07/20/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
309-00-2	Aldrin	CPEST	ug/kg	2								
319-84-6	Alpha-Bhc	CPEST	ug/kg	3								
319-85-7	Beta-Bhc	CPEST	ug/kg	3								
319-86-8	Delta-Bhc	CPEST	ug/kg	3								
33213-65-9	Endosulfan II	CPEST	ug/kg	14								
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19								
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7								
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7								
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL								
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32								
60-57-1	Dieldrin	CPEST	ug/kg	0.72								
72-20-8	Endrin	CPEST	ug/kg	2.67								
72-43-5	Methoxychlor	CPEST	ug/kg	29.6								
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22								
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07								
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL								
76-44-8	Heptachlor	CPEST	ug/kg	68								
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1								
959-98-8	Endosulfan I	CPEST	ug/kg	2.9								
11096-82-5	Aroclor 1260	E608	ug/kg	21.6								
11097-69-1	Aroclor 1254	E608	ug/kg	23								
11100-14-4	Aroclor 1268	E608	ug/kg	21.6								
11104-28-2	Aroclor 1221	E608	ug/kg	21.6								
11141-16-5	Aroclor 1232	E608	ug/kg	21.6								
12672-29-6	Aroclor 1248	E608	ug/kg	21.6								
12674-11-2	Aroclor 1016	E608	ug/kg	21.6								
37324-23-5	Aroclor 1262	E608	ug/kg	21.6								
53469-21-9	Aroclor 1242	E608	ug/kg	21.6								
100-41-4	Ethylbenzene	E624	ug/kg	305								
100-42-5	Styrene	E624	ug/kg	7070								
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL								
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL								
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460								
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7								
107-06-2	1,2-Dichloroethane	E624	ug/kg	432								
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000								
108-87-2	Methylcyclohexane	E624	ug/kg	NL								
108-88-3	Toluene	E624	ug/kg	1090								
108-90-7	Chlorobenzene	E624	ug/kg	162								
110-82-7	Cyclohexane	E624	ug/kg	117000								
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473								
123-91-1	1,4-Dioxane	E624	ug/kg	44100								

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				sys_loc_code:	A114		A118		A119		A120	
				loc_name:	Area-02		Area-02		Area-02		Area-02	
				sys_sample_code:	A114 0-12		A118 0-12		A119 0-12		A120 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	06/30/2009		07/20/2009		07/20/2009		07/20/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
124-48-1	Dibromochloromethane	E624	ug/kg	680								
127-18-4	Tetrachloroethene	E624	ug/kg	190								
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200								
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300								
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300								
179601-23-1	m,p-Xylene	E624	ug/kg	NL								
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842								
56-23-5	Carbon tetrachloride	E624	ug/kg	248								
591-78-6	2-Hexanone	E624	ug/kg	20900								
67-64-1	Acetone	E624	ug/kg	6130000								
67-66-3	Chloroform	E624	ug/kg	295								
71-43-2	Benzene	E624	ug/kg	137								
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856								
74-83-9	Bromomethane	E624	ug/kg	732								
74-87-3	Chloromethane	E624	ug/kg	11900								
74-97-5	Bromochloromethane	E624	ug/kg	NL								
75-00-3	Chloroethane	E624	ug/kg	1450000								
75-01-4	Vinyl Chloride	E624	ug/kg	59.7								
75-09-2	Methylene chloride	E624	ug/kg	10700								
75-15-0	Carbon Disulfide	E624	ug/kg	0.851								
75-25-2	Bromoform	E624	ug/kg	1310								
75-27-4	Bromodichloromethane	E624	ug/kg	273								
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310								
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780								
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700								
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400								
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000								
78-87-5	1,2-Dichloropropane	E624	ug/kg	895								
78-93-3	2-Butanone	E624	ug/kg	2780000								
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570								
79-01-6	Trichloroethene	E624	ug/kg	1600								
79-20-9	Methyl Acetate	E624	ug/kg	7820000								
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202								
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858								
95-47-6	o-Xylene	E624	ug/kg	NL								
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989								
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35								
98-82-8	Isopropylbenzene	E624	ug/kg	86								
100-01-6	4-Nitroaniline	E625	ug/kg	24300								
100-02-7	4-Nitrophenol	E625	ug/kg	NL								
100-52-7	Benzaldehyde	E625	ug/kg	782000								
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230								

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				sys_loc_code:	A114		A118		A119		A120	
				loc_name:	Area-02		Area-02		Area-02		Area-02	
				sys_sample_code:	A114 0-12		A118 0-12		A119 0-12		A120 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	06/30/2009		07/20/2009		07/20/2009		07/20/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
105-60-2	Caprolactam	E625	ug/kg	3060000								
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29								
106-44-5	4-Methylphenol	E625	ug/kg	670								
106-47-8	4-Chloroaniline	E625	ug/kg	2430								
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570								
108-95-2	Phenol	E625	ug/kg	420								
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214								
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300								
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182								
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL								
118-74-1	Hexachlorobenzene	E625	ug/kg	20								
120-12-7	Anthracene	E625	ug/kg	46.9								
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117								
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6								
129-00-0	Pyrene	E625	ug/kg	153								
131-11-3	Dimethylphthalate	E625	ug/kg	NL								
132-64-9	Dibenzofuran	E625	ug/kg	7300								
1912-24-9	Atrazine	E625	ug/kg	6.62								
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170								
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17								
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148								
206-44-0	Fluoranthene	E625	ug/kg	113								
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240								
208-96-8	Acenaphthylene	E625	ug/kg	5.87								
218-01-9	Chrysene	E625	ug/kg	108								
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8								
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200								
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611								
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22								
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8								
58-90-2	Chlorophenols	E625	ug/kg	284								
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000								
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120								
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4								
67-72-1	Hexachloroethane	E625	ug/kg	804								
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL								
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139								
78-59-1	Isophorone	E625	ug/kg	511000								
83-32-9	Acenaphthene	E625	ug/kg	6.71								
84-66-2	Diethylphthalate	E625	ug/kg	218								
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160								
85-01-8	Phenanthrene	E625	ug/kg	86.7								

R2-0000896

				sys_loc_code:	A114		A118		A119		A120	
				loc_name:	Area-02		Area-02		Area-02		Area-02	
				sys_sample_code:	A114 0-12		A118 0-12		A119 0-12		A120 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	06/30/2009		07/20/2009		07/20/2009		07/20/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800								
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100								
86-73-7	Fluorene	E625	ug/kg	19								
86-74-8	Carbazole	E625	ug/kg	NL								
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110								
87-86-5	Pentachlorophenol	E625	ug/kg	2970								
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650								
88-74-4	2-Nitroaniline	E625	ug/kg	60600								
88-75-5	2-Nitrophenol	E625	ug/kg	NL								
91-20-3	Naphthalene	E625	ug/kg	34.6								
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2								
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000								
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080								
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220								
95-48-7	2-Methylphenol	E625	ug/kg	306000								
95-57-8	2-Chlorophenol	E625	ug/kg	344								
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830								
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819								
98-86-2	Acetophenone	E625	ug/kg	782000								
98-95-3	Nitrobenzene	E625	ug/kg	4790								
99-09-2	3-Nitroaniline	E625	ug/kg	NL								

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Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 2 Sediment Samples < 12 inches

				sys_loc_code:	A121		A122		A124		A125	
				loc_name:	Area-02		Area-02		Area-02		Area-02	
				sys_sample_code:	A121 0-12		A122 0-12		A124 0-12		A125 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	06/30/2009		06/30/2009		06/30/2009		07/21/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	C200.7	mg/kg	7740								
7440-36-0	Antimony	C200.7	mg/kg	2								
7440-38-2	Arsenic	C200.7	mg/kg	0.389								
7440-39-3	Barium	C200.7	mg/kg	130.1								
7440-41-7	Beryllium	C200.7	mg/kg	15.6								
7440-43-9	Cadmium	C200.7	mg/kg	0.68								
7440-70-2	Calcium	C200.7	mg/kg	NL								
7440-47-3	Chromium	C200.7	mg/kg	52.3								
7440-48-4	Cobalt	C200.7	mg/kg	2.34								
7440-50-8	Copper	C200.7	mg/kg	18.7								
7439-89-6	Iron	C200.7	mg/kg	2000								
7439-92-1	Lead	C200.7	mg/kg	30.2								
7439-95-4	Magnesium	C200.7	mg/kg	NL								
7439-96-5	Manganese	C200.7	mg/kg	183								
7440-02-0	Nickel	C200.7	mg/kg	15.9								
7440-09-7	Potassium	C200.7	mg/kg	NL								
7782-49-2	Selenium	C200.7	mg/kg	2								
7440-22-4	Silver	C200.7	mg/kg	0.73								
7440-23-5	Sodium	C200.7	mg/kg	NL								
7440-28-0	Thallium	C200.7	mg/kg	100000								
7440-31-5	Tin	C200.7	mg/kg	NL								
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548								
7440-66-6	Zinc	C200.7	mg/kg	124								
7440-36-0	Antimony	E200.8	mg/kg	2	6.6		23.6		5.9		1.7	
7440-38-2	Arsenic	E200.8	mg/kg	0.389	5.1		11.2		5		6.7	
7440-39-3	Barium	E200.8	mg/kg	130.1	3.6	J	8.8	J	4.6	J	6.9	
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.26	J	0.16	J	0.15	J	0.4	
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.32	U	0.33	UJ	0.26	UJ	0.31	J
7440-47-3	Chromium	E200.8	mg/kg	52.3	5.7		5.9		4.8		11.8	
7440-48-4	Cobalt	E200.8	mg/kg	2.34	0.9	J	0.89		1.2		1.5	
7440-50-8	Copper	E200.8	mg/kg	18.7	6.6	J	23.4	J	4.6	J	13.4	
7439-92-1	Lead	E200.8	mg/kg	30.2	131		518		84.7		44.9	
7439-96-5	Manganese	E200.8	mg/kg	183	14.6		24.4		43.3		20	
7440-02-0	Nickel	E200.8	mg/kg	15.9	2.1	J	3.6		2.6		4.5	
7782-49-2	Selenium	E200.8	mg/kg	2	0.63	U	0.65	U	0.53	U	0.45	J
7440-22-4	Silver	E200.8	mg/kg	0.73	0.32	U	0.33	UJ	0.26	UJ	0.31	J
7440-28-0	Thallium	E200.8	mg/kg	100000	0.63	U	0.65	U	0.53	U	0.62	J
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	12.2	J	10.6	J	7.7	J	17	
7440-66-6	Zinc	E200.8	mg/kg	124	18.2	J	34.3	J	11.8	J	36.1	
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.037	U	0.042		0.032	U	0.14	
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6								
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357								

R2-0000898

				sys_loc_code:	A121		A122		A124		A125	
				loc_name:	Area-02		Area-02		Area-02		Area-02	
				sys_sample_code:	A121 0-12		A122 0-12		A124 0-12		A125 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	06/30/2009		06/30/2009		06/30/2009		07/21/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
309-00-2	Aldrin	CPEST	ug/kg	2								
319-84-6	Alpha-Bhc	CPEST	ug/kg	3								
319-85-7	Beta-Bhc	CPEST	ug/kg	3								
319-86-8	Delta-Bhc	CPEST	ug/kg	3								
33213-65-9	Endosulfan II	CPEST	ug/kg	14								
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19								
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7								
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7								
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL								
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32								
60-57-1	Dieldrin	CPEST	ug/kg	0.72								
72-20-8	Endrin	CPEST	ug/kg	2.67								
72-43-5	Methoxychlor	CPEST	ug/kg	29.6								
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22								
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07								
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL								
76-44-8	Heptachlor	CPEST	ug/kg	68								
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1								
959-98-8	Endosulfan I	CPEST	ug/kg	2.9								
11096-82-5	Aroclor 1260	E608	ug/kg	21.6								
11097-69-1	Aroclor 1254	E608	ug/kg	23								
11100-14-4	Aroclor 1268	E608	ug/kg	21.6								
11104-28-2	Aroclor 1221	E608	ug/kg	21.6								
11141-16-5	Aroclor 1232	E608	ug/kg	21.6								
12672-29-6	Aroclor 1248	E608	ug/kg	21.6								
12674-11-2	Aroclor 1016	E608	ug/kg	21.6								
37324-23-5	Aroclor 1262	E608	ug/kg	21.6								
53469-21-9	Aroclor 1242	E608	ug/kg	21.6								
100-41-4	Ethylbenzene	E624	ug/kg	305								
100-42-5	Styrene	E624	ug/kg	7070								
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL								
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL								
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460								
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7								
107-06-2	1,2-Dichloroethane	E624	ug/kg	432								
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000								
108-87-2	Methylcyclohexane	E624	ug/kg	NL								
108-88-3	Toluene	E624	ug/kg	1090								
108-90-7	Chlorobenzene	E624	ug/kg	162								
110-82-7	Cyclohexane	E624	ug/kg	117000								
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473								
123-91-1	1,4-Dioxane	E624	ug/kg	44100								

R2-0000899

				sys_loc_code:	A121		A122		A124		A125	
				loc_name:	Area-02		Area-02		Area-02		Area-02	
				sys_sample_code:	A121 0-12		A122 0-12		A124 0-12		A125 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	06/30/2009		06/30/2009		06/30/2009		07/21/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
124-48-1	Dibromochloromethane	E624	ug/kg	680								
127-18-4	Tetrachloroethene	E624	ug/kg	190								
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200								
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300								
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300								
179601-23-1	m,p-Xylene	E624	ug/kg	NL								
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842								
56-23-5	Carbon tetrachloride	E624	ug/kg	248								
591-78-6	2-Hexanone	E624	ug/kg	20900								
67-64-1	Acetone	E624	ug/kg	6130000								
67-66-3	Chloroform	E624	ug/kg	295								
71-43-2	Benzene	E624	ug/kg	137								
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856								
74-83-9	Bromomethane	E624	ug/kg	732								
74-87-3	Chloromethane	E624	ug/kg	11900								
74-97-5	Bromochloromethane	E624	ug/kg	NL								
75-00-3	Chloroethane	E624	ug/kg	1450000								
75-01-4	Vinyl Chloride	E624	ug/kg	59.7								
75-09-2	Methylene chloride	E624	ug/kg	10700								
75-15-0	Carbon Disulfide	E624	ug/kg	0.851								
75-25-2	Bromoform	E624	ug/kg	1310								
75-27-4	Bromodichloromethane	E624	ug/kg	273								
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310								
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780								
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700								
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400								
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000								
78-87-5	1,2-Dichloropropane	E624	ug/kg	895								
78-93-3	2-Butanone	E624	ug/kg	2780000								
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570								
79-01-6	Trichloroethene	E624	ug/kg	1600								
79-20-9	Methyl Acetate	E624	ug/kg	7820000								
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202								
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858								
95-47-6	o-Xylene	E624	ug/kg	NL								
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989								
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35								
98-82-8	Isopropylbenzene	E624	ug/kg	86								
100-01-6	4-Nitroaniline	E625	ug/kg	24300								
100-02-7	4-Nitrophenol	E625	ug/kg	NL								
100-52-7	Benzaldehyde	E625	ug/kg	782000								
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230								

R2-0000900

				sys_loc_code:	A121		A122		A124		A125	
				loc_name:	Area-02		Area-02		Area-02		Area-02	
				sys_sample_code:	A121 0-12		A122 0-12		A124 0-12		A125 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	06/30/2009		06/30/2009		06/30/2009		07/21/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
105-60-2	Caprolactam	E625	ug/kg	3060000								
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29								
106-44-5	4-Methylphenol	E625	ug/kg	670								
106-47-8	4-Chloroaniline	E625	ug/kg	2430								
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570								
108-95-2	Phenol	E625	ug/kg	420								
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214								
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300								
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182								
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL								
118-74-1	Hexachlorobenzene	E625	ug/kg	20								
120-12-7	Anthracene	E625	ug/kg	46.9								
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117								
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6								
129-00-0	Pyrene	E625	ug/kg	153								
131-11-3	Dimethylphthalate	E625	ug/kg	NL								
132-64-9	Dibenzofuran	E625	ug/kg	7300								
1912-24-9	Atrazine	E625	ug/kg	6.62								
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170								
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17								
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148								
206-44-0	Fluoranthene	E625	ug/kg	113								
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240								
208-96-8	Acenaphthylene	E625	ug/kg	5.87								
218-01-9	Chrysene	E625	ug/kg	108								
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8								
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200								
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611								
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22								
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8								
58-90-2	Chlorophenols	E625	ug/kg	284								
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000								
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120								
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4								
67-72-1	Hexachloroethane	E625	ug/kg	804								
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL								
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139								
78-59-1	Isophorone	E625	ug/kg	511000								
83-32-9	Acenaphthene	E625	ug/kg	6.71								
84-66-2	Diethylphthalate	E625	ug/kg	218								
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160								
85-01-8	Phenanthrene	E625	ug/kg	86.7								

R2-0000901

				sys_loc_code:	A121		A122		A124		A125	
				loc_name:	Area-02		Area-02		Area-02		Area-02	
				sys_sample_code:	A121 0-12		A122 0-12		A124 0-12		A125 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	06/30/2009		06/30/2009		06/30/2009		07/21/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800								
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100								
86-73-7	Fluorene	E625	ug/kg	19								
86-74-8	Carbazole	E625	ug/kg	NL								
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110								
87-86-5	Pentachlorophenol	E625	ug/kg	2970								
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650								
88-74-4	2-Nitroaniline	E625	ug/kg	60600								
88-75-5	2-Nitrophenol	E625	ug/kg	NL								
91-20-3	Naphthalene	E625	ug/kg	34.6								
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2								
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000								
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080								
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220								
95-48-7	2-Methylphenol	E625	ug/kg	306000								
95-57-8	2-Chlorophenol	E625	ug/kg	344								
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830								
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819								
98-86-2	Acetophenone	E625	ug/kg	782000								
98-95-3	Nitrobenzene	E625	ug/kg	4790								
99-09-2	3-Nitroaniline	E625	ug/kg	NL								

R2-0000902

Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 2 Sediment Samples < 12 inches

				sys_loc_code:	A126		A127		A128	
				loc_name:	Area-02		Area-02		Area-02	
				sys_sample_code:	A126 0-12		A127 0-12		A128 0-12	
				depth	0-12 in		0-12 in		0-12 in	
				sample_date:	07/21/2009		06/30/2009		06/30/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
7429-90-5	Aluminum	C200.7	mg/kg	7740						
7440-36-0	Antimony	C200.7	mg/kg	2						
7440-38-2	Arsenic	C200.7	mg/kg	0.389						
7440-39-3	Barium	C200.7	mg/kg	130.1						
7440-41-7	Beryllium	C200.7	mg/kg	15.6						
7440-43-9	Cadmium	C200.7	mg/kg	0.68						
7440-70-2	Calcium	C200.7	mg/kg	NL						
7440-47-3	Chromium	C200.7	mg/kg	52.3						
7440-48-4	Cobalt	C200.7	mg/kg	2.34						
7440-50-8	Copper	C200.7	mg/kg	18.7						
7439-89-6	Iron	C200.7	mg/kg	2000						
7439-92-1	Lead	C200.7	mg/kg	30.2						
7439-95-4	Magnesium	C200.7	mg/kg	NL						
7439-96-5	Manganese	C200.7	mg/kg	183						
7440-02-0	Nickel	C200.7	mg/kg	15.9						
7440-09-7	Potassium	C200.7	mg/kg	NL						
7782-49-2	Selenium	C200.7	mg/kg	2						
7440-22-4	Silver	C200.7	mg/kg	0.73						
7440-23-5	Sodium	C200.7	mg/kg	NL						
7440-28-0	Thallium	C200.7	mg/kg	100000						
7440-31-5	Tin	C200.7	mg/kg	NL						
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548						
7440-66-6	Zinc	C200.7	mg/kg	124						
7440-36-0	Antimony	E200.8	mg/kg	2	1.8		2.5	J	10.3	J
7440-38-2	Arsenic	E200.8	mg/kg	0.389	3.1		3.8		8	
7440-39-3	Barium	E200.8	mg/kg	130.1	6.3	J	7.8	J	9.7	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.31	J	0.41		0.36	
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.31	J	0.055	J	0.16	J
7440-47-3	Chromium	E200.8	mg/kg	52.3	5.7		7.6		9	
7440-48-4	Cobalt	E200.8	mg/kg	2.34	0.66		0.93		0.91	
7440-50-8	Copper	E200.8	mg/kg	18.7	4.4		4.3		14.7	
7439-92-1	Lead	E200.8	mg/kg	30.2	38.1		61.6		209	
7439-96-5	Manganese	E200.8	mg/kg	183	12.1		16.5		32.1	
7440-02-0	Nickel	E200.8	mg/kg	15.9	1.8		1.9		2.8	
7782-49-2	Selenium	E200.8	mg/kg	2	0.63	U	0.79	U	0.64	U
7440-22-4	Silver	E200.8	mg/kg	0.73	0.31	J	0.39	UJ	0.32	UJ
7440-28-0	Thallium	E200.8	mg/kg	100000	0.63	J	0.79	U	0.64	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	10.5		10.9	J	12.6	J
7440-66-6	Zinc	E200.8	mg/kg	124	11		14.7		23.9	
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.038	J	0.047	U	0.11	
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6						
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357						

R2-0000903

				sys_loc_code:	A126		A127		A128	
				loc_name:	Area-02		Area-02		Area-02	
				sys_sample_code:	A126 0-12		A127 0-12		A128 0-12	
				depth	0-12 in		0-12 in		0-12 in	
				sample_date:	07/21/2009		06/30/2009		06/30/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
309-00-2	Aldrin	CPEST	ug/kg	2						
319-84-6	Alpha-Bhc	CPEST	ug/kg	3						
319-85-7	Beta-Bhc	CPEST	ug/kg	3						
319-86-8	Delta-Bhc	CPEST	ug/kg	3						
33213-65-9	Endosulfan II	CPEST	ug/kg	14						
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19						
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7						
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7						
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL						
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32						
60-57-1	Dieldrin	CPEST	ug/kg	0.72						
72-20-8	Endrin	CPEST	ug/kg	2.67						
72-43-5	Methoxychlor	CPEST	ug/kg	29.6						
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22						
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07						
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL						
76-44-8	Heptachlor	CPEST	ug/kg	68						
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1						
959-98-8	Endosulfan I	CPEST	ug/kg	2.9						
11096-82-5	Aroclor 1260	E608	ug/kg	21.6						
11097-69-1	Aroclor 1254	E608	ug/kg	23						
11100-14-4	Aroclor 1268	E608	ug/kg	21.6						
11104-28-2	Aroclor 1221	E608	ug/kg	21.6						
11141-16-5	Aroclor 1232	E608	ug/kg	21.6						
12672-29-6	Aroclor 1248	E608	ug/kg	21.6						
12674-11-2	Aroclor 1016	E608	ug/kg	21.6						
37324-23-5	Aroclor 1262	E608	ug/kg	21.6						
53469-21-9	Aroclor 1242	E608	ug/kg	21.6						
100-41-4	Ethylbenzene	E624	ug/kg	305						
100-42-5	Styrene	E624	ug/kg	7070						
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL						
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL						
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460						
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7						
107-06-2	1,2-Dichloroethane	E624	ug/kg	432						
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000						
108-87-2	Methylcyclohexane	E624	ug/kg	NL						
108-88-3	Toluene	E624	ug/kg	1090						
108-90-7	Chlorobenzene	E624	ug/kg	162						
110-82-7	Cyclohexane	E624	ug/kg	117000						
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473						
123-91-1	1,4-Dioxane	E624	ug/kg	44100						

R2-0000904

				sys_loc_code:	A126		A127		A128	
				loc_name:	Area-02		Area-02		Area-02	
				sys_sample_code:	A126 0-12		A127 0-12		A128 0-12	
				depth	0-12 in		0-12 in		0-12 in	
				sample_date:	07/21/2009		06/30/2009		06/30/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
124-48-1	Dibromochloromethane	E624	ug/kg	680						
127-18-4	Tetrachloroethene	E624	ug/kg	190						
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200						
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300						
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300						
179601-23-1	m,p-Xylene	E624	ug/kg	NL						
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842						
56-23-5	Carbon tetrachloride	E624	ug/kg	248						
591-78-6	2-Hexanone	E624	ug/kg	20900						
67-64-1	Acetone	E624	ug/kg	6130000						
67-66-3	Chloroform	E624	ug/kg	295						
71-43-2	Benzene	E624	ug/kg	137						
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856						
74-83-9	Bromomethane	E624	ug/kg	732						
74-87-3	Chloromethane	E624	ug/kg	11900						
74-97-5	Bromochloromethane	E624	ug/kg	NL						
75-00-3	Chloroethane	E624	ug/kg	1450000						
75-01-4	Vinyl Chloride	E624	ug/kg	59.7						
75-09-2	Methylene chloride	E624	ug/kg	10700						
75-15-0	Carbon Disulfide	E624	ug/kg	0.851						
75-25-2	Bromoform	E624	ug/kg	1310						
75-27-4	Bromodichloromethane	E624	ug/kg	273						
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310						
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780						
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700						
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400						
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000						
78-87-5	1,2-Dichloropropane	E624	ug/kg	895						
78-93-3	2-Butanone	E624	ug/kg	2780000						
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570						
79-01-6	Trichloroethene	E624	ug/kg	1600						
79-20-9	Methyl Acetate	E624	ug/kg	7820000						
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202						
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858						
95-47-6	o-Xylene	E624	ug/kg	NL						
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989						
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35						
98-82-8	Isopropylbenzene	E624	ug/kg	86						
100-01-6	4-Nitroaniline	E625	ug/kg	24300						
100-02-7	4-Nitrophenol	E625	ug/kg	NL						
100-52-7	Benzaldehyde	E625	ug/kg	782000						
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230						

R2-0000905

				sys_loc_code:	A126		A127		A128	
				loc_name:	Area-02		Area-02		Area-02	
				sys_sample_code:	A126 0-12		A127 0-12		A128 0-12	
				depth	0-12 in		0-12 in		0-12 in	
				sample_date:	07/21/2009		06/30/2009		06/30/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
105-60-2	Caprolactam	E625	ug/kg	3060000						
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29						
106-44-5	4-Methylphenol	E625	ug/kg	670						
106-47-8	4-Chloroaniline	E625	ug/kg	2430						
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570						
108-95-2	Phenol	E625	ug/kg	420						
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214						
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300						
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182						
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL						
118-74-1	Hexachlorobenzene	E625	ug/kg	20						
120-12-7	Anthracene	E625	ug/kg	46.9						
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117						
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6						
129-00-0	Pyrene	E625	ug/kg	153						
131-11-3	Dimethylphthalate	E625	ug/kg	NL						
132-64-9	Dibenzofuran	E625	ug/kg	7300						
1912-24-9	Atrazine	E625	ug/kg	6.62						
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170						
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17						
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148						
206-44-0	Fluoranthene	E625	ug/kg	113						
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240						
208-96-8	Acenaphthylene	E625	ug/kg	5.87						
218-01-9	Chrysene	E625	ug/kg	108						
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8						
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200						
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611						
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22						
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8						
58-90-2	Chlorophenols	E625	ug/kg	284						
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000						
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120						
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4						
67-72-1	Hexachloroethane	E625	ug/kg	804						
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL						
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139						
78-59-1	Isophorone	E625	ug/kg	511000						
83-32-9	Acenaphthene	E625	ug/kg	6.71						
84-66-2	Diethylphthalate	E625	ug/kg	218						
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160						
85-01-8	Phenanthrene	E625	ug/kg	86.7						

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				sys_loc_code:	A126		A127		A128	
				loc_name:	Area-02		Area-02		Area-02	
				sys_sample_code:	A126 0-12		A127 0-12		A128 0-12	
				depth	0-12 in		0-12 in		0-12 in	
				sample_date:	07/21/2009		06/30/2009		06/30/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800						
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100						
86-73-7	Fluorene	E625	ug/kg	19						
86-74-8	Carbazole	E625	ug/kg	NL						
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110						
87-86-5	Pentachlorophenol	E625	ug/kg	2970						
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650						
88-74-4	2-Nitroaniline	E625	ug/kg	60600						
88-75-5	2-Nitrophenol	E625	ug/kg	NL						
91-20-3	Naphthalene	E625	ug/kg	34.6						
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2						
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000						
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080						
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220						
95-48-7	2-Methylphenol	E625	ug/kg	306000						
95-57-8	2-Chlorophenol	E625	ug/kg	344						
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830						
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819						
98-86-2	Acetophenone	E625	ug/kg	782000						
98-95-3	Nitrobenzene	E625	ug/kg	4790						
99-09-2	3-Nitroaniline	E625	ug/kg	NL						

R2-0000907

Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 2 Sediment Samples < 12 inches

				sys_loc_code:	A131		A160		A161		A162	
				loc_name:	Area-02		Area-02		Area-02		Area-02	
				sys_sample_code:	A131 0-12		A160 0-12		A161 0-12		A162 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	06/30/2009		07/21/2009		07/22/2009		07/22/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	C200.7	mg/kg	7740								
7440-36-0	Antimony	C200.7	mg/kg	2								
7440-38-2	Arsenic	C200.7	mg/kg	0.389								
7440-39-3	Barium	C200.7	mg/kg	130.1								
7440-41-7	Beryllium	C200.7	mg/kg	15.6								
7440-43-9	Cadmium	C200.7	mg/kg	0.68								
7440-70-2	Calcium	C200.7	mg/kg	NL								
7440-47-3	Chromium	C200.7	mg/kg	52.3								
7440-48-4	Cobalt	C200.7	mg/kg	2.34								
7440-50-8	Copper	C200.7	mg/kg	18.7								
7439-89-6	Iron	C200.7	mg/kg	2000								
7439-92-1	Lead	C200.7	mg/kg	30.2								
7439-95-4	Magnesium	C200.7	mg/kg	NL								
7439-96-5	Manganese	C200.7	mg/kg	183								
7440-02-0	Nickel	C200.7	mg/kg	15.9								
7440-09-7	Potassium	C200.7	mg/kg	NL								
7782-49-2	Selenium	C200.7	mg/kg	2								
7440-22-4	Silver	C200.7	mg/kg	0.73								
7440-23-5	Sodium	C200.7	mg/kg	NL								
7440-28-0	Thallium	C200.7	mg/kg	100000								
7440-31-5	Tin	C200.7	mg/kg	NL								
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548								
7440-66-6	Zinc	C200.7	mg/kg	124								
7440-36-0	Antimony	E200.8	mg/kg	2	6.7	J	1.3	U	1.3	U	1.4	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389	4		8.1	J	6.7	J	8.2	J
7440-39-3	Barium	E200.8	mg/kg	130.1	5.6	J	6.4	U	6.6	U	8.8	
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.12	J	0.22	J	0.33	U	0.49	
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.15	J	0.32	U	0.33	U	0.35	U
7440-47-3	Chromium	E200.8	mg/kg	52.3	4.2		10.8		10.9	J	14.3	J
7440-48-4	Cobalt	E200.8	mg/kg	2.34	0.64		1.1		1.4		2	
7440-50-8	Copper	E200.8	mg/kg	18.7	11.2		13.7		14.2	J	12.7	J
7439-92-1	Lead	E200.8	mg/kg	30.2	181		20.4		16.2		24.6	
7439-96-5	Manganese	E200.8	mg/kg	183	20.6		21.4		22.3		50.8	
7440-02-0	Nickel	E200.8	mg/kg	15.9	2.3		4.6		5.4		5.6	
7782-49-2	Selenium	E200.8	mg/kg	2	0.62	U	0.63	J	0.43	J	0.63	J
7440-22-4	Silver	E200.8	mg/kg	0.73	0.31	UJ	0.32	U	0.33	U	0.35	U
7440-28-0	Thallium	E200.8	mg/kg	100000	0.62	U	0.64	U	0.66	U	0.7	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	7.3	J	16	J	13		21.1	
7440-66-6	Zinc	E200.8	mg/kg	124	24		47.3		37.6	J	33.4	J
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.037	U	0.14		0.19		0.14	
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6								
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357								

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				sys_loc_code:	A131		A160		A161		A162	
				loc_name:	Area-02		Area-02		Area-02		Area-02	
				sys_sample_code:	A131 0-12		A160 0-12		A161 0-12		A162 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	06/30/2009		07/21/2009		07/22/2009		07/22/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
309-00-2	Aldrin	CPEST	ug/kg	2								
319-84-6	Alpha-Bhc	CPEST	ug/kg	3								
319-85-7	Beta-Bhc	CPEST	ug/kg	3								
319-86-8	Delta-Bhc	CPEST	ug/kg	3								
33213-65-9	Endosulfan II	CPEST	ug/kg	14								
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19								
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7								
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7								
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL								
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32								
60-57-1	Dieldrin	CPEST	ug/kg	0.72								
72-20-8	Endrin	CPEST	ug/kg	2.67								
72-43-5	Methoxychlor	CPEST	ug/kg	29.6								
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22								
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07								
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL								
76-44-8	Heptachlor	CPEST	ug/kg	68								
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1								
959-98-8	Endosulfan I	CPEST	ug/kg	2.9								
11096-82-5	Aroclor 1260	E608	ug/kg	21.6								
11097-69-1	Aroclor 1254	E608	ug/kg	23								
11100-14-4	Aroclor 1268	E608	ug/kg	21.6								
11104-28-2	Aroclor 1221	E608	ug/kg	21.6								
11141-16-5	Aroclor 1232	E608	ug/kg	21.6								
12672-29-6	Aroclor 1248	E608	ug/kg	21.6								
12674-11-2	Aroclor 1016	E608	ug/kg	21.6								
37324-23-5	Aroclor 1262	E608	ug/kg	21.6								
53469-21-9	Aroclor 1242	E608	ug/kg	21.6								
100-41-4	Ethylbenzene	E624	ug/kg	305								
100-42-5	Styrene	E624	ug/kg	7070								
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL								
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL								
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460								
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7								
107-06-2	1,2-Dichloroethane	E624	ug/kg	432								
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000								
108-87-2	Methylcyclohexane	E624	ug/kg	NL								
108-88-3	Toluene	E624	ug/kg	1090								
108-90-7	Chlorobenzene	E624	ug/kg	162								
110-82-7	Cyclohexane	E624	ug/kg	117000								
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473								
123-91-1	1,4-Dioxane	E624	ug/kg	44100								

R2-0000909

				sys_loc_code:	A131		A160		A161		A162	
				loc_name:	Area-02		Area-02		Area-02		Area-02	
				sys_sample_code:	A131 0-12		A160 0-12		A161 0-12		A162 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	06/30/2009		07/21/2009		07/22/2009		07/22/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
124-48-1	Dibromochloromethane	E624	ug/kg	680								
127-18-4	Tetrachloroethene	E624	ug/kg	190								
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200								
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300								
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300								
179601-23-1	m,p-Xylene	E624	ug/kg	NL								
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842								
56-23-5	Carbon tetrachloride	E624	ug/kg	248								
591-78-6	2-Hexanone	E624	ug/kg	20900								
67-64-1	Acetone	E624	ug/kg	6130000								
67-66-3	Chloroform	E624	ug/kg	295								
71-43-2	Benzene	E624	ug/kg	137								
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856								
74-83-9	Bromomethane	E624	ug/kg	732								
74-87-3	Chloromethane	E624	ug/kg	11900								
74-97-5	Bromochloromethane	E624	ug/kg	NL								
75-00-3	Chloroethane	E624	ug/kg	1450000								
75-01-4	Vinyl Chloride	E624	ug/kg	59.7								
75-09-2	Methylene chloride	E624	ug/kg	10700								
75-15-0	Carbon Disulfide	E624	ug/kg	0.851								
75-25-2	Bromoform	E624	ug/kg	1310								
75-27-4	Bromodichloromethane	E624	ug/kg	273								
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310								
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780								
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700								
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400								
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000								
78-87-5	1,2-Dichloropropane	E624	ug/kg	895								
78-93-3	2-Butanone	E624	ug/kg	2780000								
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570								
79-01-6	Trichloroethene	E624	ug/kg	1600								
79-20-9	Methyl Acetate	E624	ug/kg	7820000								
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202								
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858								
95-47-6	o-Xylene	E624	ug/kg	NL								
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989								
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35								
98-82-8	Isopropylbenzene	E624	ug/kg	86								
100-01-6	4-Nitroaniline	E625	ug/kg	24300								
100-02-7	4-Nitrophenol	E625	ug/kg	NL								
100-52-7	Benzaldehyde	E625	ug/kg	782000								
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230								

R2-0000910

				sys_loc_code:	A131		A160		A161		A162	
				loc_name:	Area-02		Area-02		Area-02		Area-02	
				sys_sample_code:	A131 0-12		A160 0-12		A161 0-12		A162 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	06/30/2009		07/21/2009		07/22/2009		07/22/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
105-60-2	Caprolactam	E625	ug/kg	3060000								
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29								
106-44-5	4-Methylphenol	E625	ug/kg	670								
106-47-8	4-Chloroaniline	E625	ug/kg	2430								
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570								
108-95-2	Phenol	E625	ug/kg	420								
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214								
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300								
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182								
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL								
118-74-1	Hexachlorobenzene	E625	ug/kg	20								
120-12-7	Anthracene	E625	ug/kg	46.9								
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117								
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6								
129-00-0	Pyrene	E625	ug/kg	153								
131-11-3	Dimethylphthalate	E625	ug/kg	NL								
132-64-9	Dibenzofuran	E625	ug/kg	7300								
1912-24-9	Atrazine	E625	ug/kg	6.62								
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170								
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17								
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148								
206-44-0	Fluoranthene	E625	ug/kg	113								
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240								
208-96-8	Acenaphthylene	E625	ug/kg	5.87								
218-01-9	Chrysene	E625	ug/kg	108								
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8								
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200								
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611								
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22								
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8								
58-90-2	Chlorophenols	E625	ug/kg	284								
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000								
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120								
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4								
67-72-1	Hexachloroethane	E625	ug/kg	804								
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL								
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139								
78-59-1	Isophorone	E625	ug/kg	511000								
83-32-9	Acenaphthene	E625	ug/kg	6.71								
84-66-2	Diethylphthalate	E625	ug/kg	218								
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160								
85-01-8	Phenanthrene	E625	ug/kg	86.7								

R2-0000911

				sys_loc_code:	A131		A160		A161		A162	
				loc_name:	Area-02		Area-02		Area-02		Area-02	
				sys_sample_code:	A131 0-12		A160 0-12		A161 0-12		A162 0-12	
				depth	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	06/30/2009		07/21/2009		07/22/2009		07/22/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800								
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100								
86-73-7	Fluorene	E625	ug/kg	19								
86-74-8	Carbazole	E625	ug/kg	NL								
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110								
87-86-5	Pentachlorophenol	E625	ug/kg	2970								
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650								
88-74-4	2-Nitroaniline	E625	ug/kg	60600								
88-75-5	2-Nitrophenol	E625	ug/kg	NL								
91-20-3	Naphthalene	E625	ug/kg	34.6								
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2								
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000								
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080								
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220								
95-48-7	2-Methylphenol	E625	ug/kg	306000								
95-57-8	2-Chlorophenol	E625	ug/kg	344								
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830								
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819								
98-86-2	Acetophenone	E625	ug/kg	782000								
98-95-3	Nitrobenzene	E625	ug/kg	4790								
99-09-2	3-Nitroaniline	E625	ug/kg	NL								

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Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 2 Sediment Samples < 12 inches

				sys_loc_code:	A163		A164	
				loc_name:	Area-02		Area-02	
				sys_sample_code:	A163 0-12		A164 0-12	
				depth	0-12 in		0-12 in	
				sample_date:	07/22/2009		07/22/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED				
7429-90-5	Aluminum	C200.7	mg/kg	7740				
7440-36-0	Antimony	C200.7	mg/kg	2				
7440-38-2	Arsenic	C200.7	mg/kg	0.389				
7440-39-3	Barium	C200.7	mg/kg	130.1				
7440-41-7	Beryllium	C200.7	mg/kg	15.6				
7440-43-9	Cadmium	C200.7	mg/kg	0.68				
7440-70-2	Calcium	C200.7	mg/kg	NL				
7440-47-3	Chromium	C200.7	mg/kg	52.3				
7440-48-4	Cobalt	C200.7	mg/kg	2.34				
7440-50-8	Copper	C200.7	mg/kg	18.7				
7439-89-6	Iron	C200.7	mg/kg	2000				
7439-92-1	Lead	C200.7	mg/kg	30.2				
7439-95-4	Magnesium	C200.7	mg/kg	NL				
7439-96-5	Manganese	C200.7	mg/kg	183				
7440-02-0	Nickel	C200.7	mg/kg	15.9				
7440-09-7	Potassium	C200.7	mg/kg	NL				
7782-49-2	Selenium	C200.7	mg/kg	2				
7440-22-4	Silver	C200.7	mg/kg	0.73				
7440-23-5	Sodium	C200.7	mg/kg	NL				
7440-28-0	Thallium	C200.7	mg/kg	100000				
7440-31-5	Tin	C200.7	mg/kg	NL				
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548				
7440-66-6	Zinc	C200.7	mg/kg	124				
7440-36-0	Antimony	E200.8	mg/kg	2	1.3	U	3	
7440-38-2	Arsenic	E200.8	mg/kg	0.389	8.1	J	3.5	J
7440-39-3	Barium	E200.8	mg/kg	130.1	7.2		6.2	U
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.36		0.31	U
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.33	U	0.31	U
7440-47-3	Chromium	E200.8	mg/kg	52.3	12.1	J	4.5	J
7440-48-4	Cobalt	E200.8	mg/kg	2.34	2.1		0.62	U
7440-50-8	Copper	E200.8	mg/kg	18.7	10.8	J	7	J
7439-92-1	Lead	E200.8	mg/kg	30.2	20.3		85.3	
7439-96-5	Manganese	E200.8	mg/kg	183	31.5		7.8	
7440-02-0	Nickel	E200.8	mg/kg	15.9	5		1.6	
7782-49-2	Selenium	E200.8	mg/kg	2	0.34	J	0.62	U
7440-22-4	Silver	E200.8	mg/kg	0.73	0.33	U	0.31	U
7440-28-0	Thallium	E200.8	mg/kg	100000	0.67	U	0.62	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	17.4		11.2	
7440-66-6	Zinc	E200.8	mg/kg	124	24.9	J	24	J
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.11		0.042	
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6				
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357				

R2-0000913

				sys_loc_code:	A163		A164	
				loc_name:	Area-02		Area-02	
				sys_sample_code:	A163 0-12		A164 0-12	
				depth	0-12 in		0-12 in	
				sample_date:	07/22/2009		07/22/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED				
309-00-2	Aldrin	CPEST	ug/kg	2				
319-84-6	Alpha-Bhc	CPEST	ug/kg	3				
319-85-7	Beta-Bhc	CPEST	ug/kg	3				
319-86-8	Delta-Bhc	CPEST	ug/kg	3				
33213-65-9	Endosulfan II	CPEST	ug/kg	14				
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19				
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7				
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7				
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL				
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32				
60-57-1	Dieldrin	CPEST	ug/kg	0.72				
72-20-8	Endrin	CPEST	ug/kg	2.67				
72-43-5	Methoxychlor	CPEST	ug/kg	29.6				
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22				
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07				
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL				
76-44-8	Heptachlor	CPEST	ug/kg	68				
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1				
959-98-8	Endosulfan I	CPEST	ug/kg	2.9				
11096-82-5	Aroclor 1260	E608	ug/kg	21.6				
11097-69-1	Aroclor 1254	E608	ug/kg	23				
11100-14-4	Aroclor 1268	E608	ug/kg	21.6				
11104-28-2	Aroclor 1221	E608	ug/kg	21.6				
11141-16-5	Aroclor 1232	E608	ug/kg	21.6				
12672-29-6	Aroclor 1248	E608	ug/kg	21.6				
12674-11-2	Aroclor 1016	E608	ug/kg	21.6				
37324-23-5	Aroclor 1262	E608	ug/kg	21.6				
53469-21-9	Aroclor 1242	E608	ug/kg	21.6				
100-41-4	Ethylbenzene	E624	ug/kg	305				
100-42-5	Styrene	E624	ug/kg	7070				
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL				
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL				
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460				
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7				
107-06-2	1,2-Dichloroethane	E624	ug/kg	432				
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000				
108-87-2	Methylcyclohexane	E624	ug/kg	NL				
108-88-3	Toluene	E624	ug/kg	1090				
108-90-7	Chlorobenzene	E624	ug/kg	162				
110-82-7	Cyclohexane	E624	ug/kg	117000				
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473				
123-91-1	1,4-Dioxane	E624	ug/kg	44100				

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				sys_loc_code:	A163		A164	
				loc_name:	Area-02		Area-02	
				sys_sample_code:	A163 0-12		A164 0-12	
				depth	0-12 in		0-12 in	
				sample_date:	07/22/2009		07/22/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED				
124-48-1	Dibromochloromethane	E624	ug/kg	680				
127-18-4	Tetrachloroethene	E624	ug/kg	190				
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200				
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300				
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300				
179601-23-1	m,p-Xylene	E624	ug/kg	NL				
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842				
56-23-5	Carbon tetrachloride	E624	ug/kg	248				
591-78-6	2-Hexanone	E624	ug/kg	20900				
67-64-1	Acetone	E624	ug/kg	6130000				
67-66-3	Chloroform	E624	ug/kg	295				
71-43-2	Benzene	E624	ug/kg	137				
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856				
74-83-9	Bromomethane	E624	ug/kg	732				
74-87-3	Chloromethane	E624	ug/kg	11900				
74-97-5	Bromochloromethane	E624	ug/kg	NL				
75-00-3	Chloroethane	E624	ug/kg	1450000				
75-01-4	Vinyl Chloride	E624	ug/kg	59.7				
75-09-2	Methylene chloride	E624	ug/kg	10700				
75-15-0	Carbon Disulfide	E624	ug/kg	0.851				
75-25-2	Bromoform	E624	ug/kg	1310				
75-27-4	Bromodichloromethane	E624	ug/kg	273				
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310				
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780				
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700				
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400				
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000				
78-87-5	1,2-Dichloropropane	E624	ug/kg	895				
78-93-3	2-Butanone	E624	ug/kg	2780000				
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570				
79-01-6	Trichloroethene	E624	ug/kg	1600				
79-20-9	Methyl Acetate	E624	ug/kg	7820000				
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202				
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858				
95-47-6	o-Xylene	E624	ug/kg	NL				
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989				
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35				
98-82-8	Isopropylbenzene	E624	ug/kg	86				
100-01-6	4-Nitroaniline	E625	ug/kg	24300				
100-02-7	4-Nitrophenol	E625	ug/kg	NL				
100-52-7	Benzaldehyde	E625	ug/kg	782000				
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230				

R2-0000915

				sys_loc_code:	A163		A164	
				loc_name:	Area-02		Area-02	
				sys_sample_code:	A163 0-12		A164 0-12	
				depth	0-12 in		0-12 in	
				sample_date:	07/22/2009		07/22/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED				
105-60-2	Caprolactam	E625	ug/kg	3060000				
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29				
106-44-5	4-Methylphenol	E625	ug/kg	670				
106-47-8	4-Chloroaniline	E625	ug/kg	2430				
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570				
108-95-2	Phenol	E625	ug/kg	420				
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214				
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300				
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182				
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL				
118-74-1	Hexachlorobenzene	E625	ug/kg	20				
120-12-7	Anthracene	E625	ug/kg	46.9				
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117				
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6				
129-00-0	Pyrene	E625	ug/kg	153				
131-11-3	Dimethylphthalate	E625	ug/kg	NL				
132-64-9	Dibenzofuran	E625	ug/kg	7300				
1912-24-9	Atrazine	E625	ug/kg	6.62				
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170				
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17				
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148				
206-44-0	Fluoranthene	E625	ug/kg	113				
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240				
208-96-8	Acenaphthylene	E625	ug/kg	5.87				
218-01-9	Chrysene	E625	ug/kg	108				
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8				
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200				
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611				
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22				
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8				
58-90-2	Chlorophenols	E625	ug/kg	284				
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000				
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120				
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4				
67-72-1	Hexachloroethane	E625	ug/kg	804				
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL				
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139				
78-59-1	Isophorone	E625	ug/kg	511000				
83-32-9	Acenaphthene	E625	ug/kg	6.71				
84-66-2	Diethylphthalate	E625	ug/kg	218				
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160				
85-01-8	Phenanthrene	E625	ug/kg	86.7				

R2-0000916

				sys_loc_code:	A163		A164	
				loc_name:	Area-02		Area-02	
				sys_sample_code:	A163 0-12		A164 0-12	
				depth	0-12 in		0-12 in	
				sample_date:	07/22/2009		07/22/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED				
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800				
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100				
86-73-7	Fluorene	E625	ug/kg	19				
86-74-8	Carbazole	E625	ug/kg	NL				
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110				
87-86-5	Pentachlorophenol	E625	ug/kg	2970				
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650				
88-74-4	2-Nitroaniline	E625	ug/kg	60600				
88-75-5	2-Nitrophenol	E625	ug/kg	NL				
91-20-3	Naphthalene	E625	ug/kg	34.6				
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2				
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000				
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080				
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220				
95-48-7	2-Methylphenol	E625	ug/kg	306000				
95-57-8	2-Chlorophenol	E625	ug/kg	344				
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830				
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819				
98-86-2	Acetophenone	E625	ug/kg	782000				
98-95-3	Nitrobenzene	E625	ug/kg	4790				
99-09-2	3-Nitroaniline	E625	ug/kg	NL				

R2-0000917

Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 2 Surface Soils

			sys_sample_code:	RBS-S09A		RBS-S10A		RBS-S11		RBS-S12		RBS-S13	
			loc name:	Area-02		Area-02		Area-02		Area-02		Area-02	
			sample_name:	MB52Y7		MB52Z0		MB52Z3		MB52Z4		MB52Z5	
			sys_loc_code:	S09		S10		S11		S11		S13	
			depth:	0-2 in		0-2 in		0-2 in		0-2 in		0-2 in	
			sample_date:	09/11/2008		09/11/2008		09/11/2008		09/11/2008		09/11/2008	
cas_rn	chemical_name	analytic_method	result_unit										
7429-90-5	Aluminum	C200.7	mg/kg	2190		1200		1260		1180		677	
7440-36-0	Antimony	C200.7	mg/kg	74.2	J	44.5	J	2.7	J	2.6	J	14.2	J
7440-38-2	Arsenic	C200.7	mg/kg	90.7		43.8		3.5		3.2		12.5	
7440-39-3	Barium	C200.7	mg/kg	28.1	J	21.5	UJ	21.9	UJ	21.9	UJ	27.8	UJ
7440-41-7	Beryllium	C200.7	mg/kg	0.56	U	0.54	U	0.55	U	0.55	U	0.7	U
7440-43-9	Cadmium	C200.7	mg/kg	0.56	U	0.54	U	0.55	U	0.55	U	0.7	U
7440-70-2	Calcium	C200.7	mg/kg	17600		537	U	547	U	548	U	696	U
7440-47-3	Chromium	C200.7	mg/kg	22.1		5.4		4.6		4.4		4.7	
7440-48-4	Cobalt	C200.7	mg/kg	5.6	U	5.4	U	5.5	U	5.5	U	7	U
7440-50-8	Copper	C200.7	mg/kg	87.3		114		7.8		7.1		13.3	
7439-89-6	Iron	C200.7	mg/kg	31600		8990		6300		4740		7760	
7439-92-1	Lead	C200.7	mg/kg	1430	J	1110	J	118	J	102	J	356	J
7439-95-4	Magnesium	C200.7	mg/kg	1080		189	J	255	J	359	J	199	J
7439-96-5	Manganese	C200.7	mg/kg	180		26	J	19.8	J	18	J	26.2	J
7440-02-0	Nickel	C200.7	mg/kg	8.1		4.3	U	4.4	U	4.4	U	5.6	U
7440-09-7	Potassium	C200.7	mg/kg	201	J	195	J	224	J	180	J	112	J
7782-49-2	Selenium	C200.7	mg/kg	0.96	J	0.62	J	3.8	U	3.8	U	4.9	U
7440-22-4	Silver	C200.7	mg/kg	0.38	J	1.1	UJ	1.1	UJ	1.1	UJ	1.4	UJ
7440-23-5	Sodium	C200.7	mg/kg	671		537	U	547	U	548	U	696	U
7440-28-0	Thallium	C200.7	mg/kg	2.8	U	2.7	U	2.7	U	2.7	U	3.5	U
7440-31-5	Tin	C200.7	mg/kg	66.9		36.6		10.9	U	10.9	U	16.9	
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	39.1		10.7		9.2		8.1		10.5	
7440-66-6	Zinc	C200.7	mg/kg	113		35.9		12.9		10.7		25	
7429-90-5	Aluminum	C200.7	ug/l										
7440-36-0	Antimony	C200.7	ug/l										
7440-38-2	Arsenic	C200.7	ug/l										
7440-39-3	Barium	C200.7	ug/l										
7440-41-7	Beryllium	C200.7	ug/l										
7440-43-9	Cadmium	C200.7	ug/l										
7440-70-2	Calcium	C200.7	ug/l										
7440-47-3	Chromium	C200.7	ug/l										

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			sys_sample_code:	RBS-S09A		RBS-S10A		RBS-S11		RBS-S12		RBS-S13	
			loc name:	Area-02		Area-02		Area-02		Area-02		Area-02	
			sample_name:	MB52Y7		MB52Z0		MB52Z3		MB52Z4		MB52Z5	
			sys_loc_code:	S09		S10		S11		S11		S13	
			depth:	0-2 in		0-2 in		0-2 in		0-2 in		0-2 in	
			sample_date:	09/11/2008		09/11/2008		09/11/2008		09/11/2008		09/11/2008	
cas_rn	chemical_name	analytic_method	result_unit										
7440-48-4	Cobalt	C200.7	ug/l										
7440-50-8	Copper	C200.7	ug/l										
7439-89-6	Iron	C200.7	ug/l										
7439-92-1	Lead	C200.7	ug/l										
7439-95-4	Magnesium	C200.7	ug/l										
7439-96-5	Manganese	C200.7	ug/l										
7440-02-0	Nickel	C200.7	ug/l										
7440-09-7	Potassium	C200.7	ug/l										
7782-49-2	Selenium	C200.7	ug/l										
7440-22-4	Silver	C200.7	ug/l										
7440-23-5	Sodium	C200.7	ug/l										
7440-28-0	Thallium	C200.7	ug/l										
7440-31-5	Tin	C200.7	ug/l										
7440-62-2	Vanadium (Fume Or Dust)	C200.7	ug/l										
7440-66-6	Zinc	C200.7	ug/l										

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			sys_sample_code:	RBS-S09A		RBS-S14		RBS-S16		RBS-S17		RBS-S18	
			loc name:	Area-02		Area-02		Area-02		Area-02		Area-02	
			sample_name:	MB52Y7		MB52Z6		MB52Z8		MB52Z9		MB5300	
			sys_loc_code:	S09		S14		S16		S17		S18	
			depth:	0-2 in		0-2 in		0-2 in		0-2 in		0-2 in	
			sample_date:	09/11/2008		09/11/2008		09/11/2008		09/11/2008		09/11/2008	
cas_rn	chemical_name	analytic_method	result_unit										
7429-90-5	Aluminum	C200.7	mg/kg	2190		1560		1610		505		1960	
7440-36-0	Antimony	C200.7	mg/kg	74.2	J	42.7	J	1.7	J	7.3	J	45.2	J
7440-38-2	Arsenic	C200.7	mg/kg	90.7		32.8		3.3		8		41.8	
7440-39-3	Barium	C200.7	mg/kg	28.1	J	20.8	UJ	21.7	UJ	20.5	UJ	20.7	UJ
7440-41-7	Beryllium	C200.7	mg/kg	0.56	U	0.52	U	0.54	U	0.51	U	0.52	U
7440-43-9	Cadmium	C200.7	mg/kg	0.56	U	0.52	U	0.54	U	0.51	U	0.52	U
7440-70-2	Calcium	C200.7	mg/kg	17600		879		543	U	513	U	4200	
7440-47-3	Chromium	C200.7	mg/kg	22.1		11.4		4.7		3.9		14.8	
7440-48-4	Cobalt	C200.7	mg/kg	5.6	U	5.2	U	5.4	U	5.1	U	5.2	U
7440-50-8	Copper	C200.7	mg/kg	87.3		62.7		12.1		8.3		53.9	
7439-89-6	Iron	C200.7	mg/kg	31600		21100		5460		5690		35400	
7439-92-1	Lead	C200.7	mg/kg	1430	J	1290	J	80.5	J	211	J	1630	J
7439-95-4	Magnesium	C200.7	mg/kg	1080		253	J	584		138	J	406	J
7439-96-5	Manganese	C200.7	mg/kg	180		58.6		54.4		24.3	J	115	
7440-02-0	Nickel	C200.7	mg/kg	8.1		5.9		4.3	U	4.1	U	5.9	
7440-09-7	Potassium	C200.7	mg/kg	201	J	175	J	211	J	67.4	J	162	J
7782-49-2	Selenium	C200.7	mg/kg	0.96	J	0.76	J	3.8	U	0.35	J	0.61	J
7440-22-4	Silver	C200.7	mg/kg	0.38	J	0.21	J	1.1	UJ	1	UJ	0.24	J
7440-23-5	Sodium	C200.7	mg/kg	671		520	U	543	U	513	U	516	U
7440-28-0	Thallium	C200.7	mg/kg	2.8	U	2.6	U	2.7	U	2.6	U	2.6	U
7440-31-5	Tin	C200.7	mg/kg	66.9		54.7		10.9	U	10.3	U	25.6	
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	39.1		22.7		9.8		7.4		40.4	
7440-66-6	Zinc	C200.7	mg/kg	113		61.7		10.4		18.3		71.7	
7429-90-5	Aluminum	C200.7	ug/l										
7440-36-0	Antimony	C200.7	ug/l										
7440-38-2	Arsenic	C200.7	ug/l										
7440-39-3	Barium	C200.7	ug/l										
7440-41-7	Beryllium	C200.7	ug/l										
7440-43-9	Cadmium	C200.7	ug/l										
7440-70-2	Calcium	C200.7	ug/l										
7440-47-3	Chromium	C200.7	ug/l										

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			sys_sample_code:	RBS-S09A		RBS-S14		RBS-S16		RBS-S17		RBS-S18	
			loc name:	Area-02		Area-02		Area-02		Area-02		Area-02	
			sample_name:	MB52Y7		MB52Z6		MB52Z8		MB52Z9		MB5300	
			sys_loc_code:	S09		S14		S16		S17		S18	
			depth:	0-2 in		0-2 in		0-2 in		0-2 in		0-2 in	
			sample_date:	09/11/2008		09/11/2008		09/11/2008		09/11/2008		09/11/2008	
cas_rn	chemical_name	analytic_method	result_unit										
7440-48-4	Cobalt	C200.7	ug/l										
7440-50-8	Copper	C200.7	ug/l										
7439-89-6	Iron	C200.7	ug/l										
7439-92-1	Lead	C200.7	ug/l										
7439-95-4	Magnesium	C200.7	ug/l										
7439-96-5	Manganese	C200.7	ug/l										
7440-02-0	Nickel	C200.7	ug/l										
7440-09-7	Potassium	C200.7	ug/l										
7782-49-2	Selenium	C200.7	ug/l										
7440-22-4	Silver	C200.7	ug/l										
7440-23-5	Sodium	C200.7	ug/l										
7440-28-0	Thallium	C200.7	ug/l										
7440-31-5	Tin	C200.7	ug/l										
7440-62-2	Vanadium (Fume Or Dust)	C200.7	ug/l										
7440-66-6	Zinc	C200.7	ug/l										

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			sys_sample_code:	RBS-S09A		RBS-S19		RBS-S20		RBS-S21		RBS-S22	
			loc name:	Area-02		Area-02		Area-02		Area-02		Area-02	
			sample_name:	MB52Y7		MB5301		MB5302		MB5303		MB5304	
			sys_loc_code:	S09		S19		S20		S21		S22	
			depth:	0-2 in		0-2 in		0-2 in		0-2 in		0-2 in	
			sample_date:	09/11/2008		09/11/2008		09/11/2008		09/11/2008		09/11/2008	
cas_rn	chemical_name	analytic_method	result_unit										
7429-90-5	Aluminum	C200.7	mg/kg	2190		1210		985		626		679	
7440-36-0	Antimony	C200.7	mg/kg	74.2	J	5.4	J	2.7	J	38.3	J	23.4	J
7440-38-2	Arsenic	C200.7	mg/kg	90.7		8.6		4.6		30.4		19.6	
7440-39-3	Barium	C200.7	mg/kg	28.1	J	20.9	UJ	20.9	UJ	20.6	U	20.4	UJ
7440-41-7	Beryllium	C200.7	mg/kg	0.56	U	0.52	U	0.52	U	0.52	U	0.51	U
7440-43-9	Cadmium	C200.7	mg/kg	0.56	U	0.52	U	0.52	U	0.52	U	0.51	U
7440-70-2	Calcium	C200.7	mg/kg	17600		523	U	1100		515	U	32800	
7440-47-3	Chromium	C200.7	mg/kg	22.1		7.1		4.9		6.9		4	
7440-48-4	Cobalt	C200.7	mg/kg	5.6	U	5.2	U	5.2	U	5.2	U	5.1	U
7440-50-8	Copper	C200.7	mg/kg	87.3		11		5.2		27.4		29.3	
7439-89-6	Iron	C200.7	mg/kg	31600		12100		10000		10300		5840	
7439-92-1	Lead	C200.7	mg/kg	1430	J	219	J	121	J	994	J	413	J
7439-95-4	Magnesium	C200.7	mg/kg	1080		223	J	254	J	169	J	255	J
7439-96-5	Manganese	C200.7	mg/kg	180		25.9		27.6		46.6		28	
7440-02-0	Nickel	C200.7	mg/kg	8.1		4.2	U	4.2	U	4.5		4.1	U
7440-09-7	Potassium	C200.7	mg/kg	201	J	301	J	238	J	83.9	J	176	J
7782-49-2	Selenium	C200.7	mg/kg	0.96	J	0.55	J	0.39	J	0.46	J	0.74	J
7440-22-4	Silver	C200.7	mg/kg	0.38	J	0.086	J	1	UJ	0.11	J	1	UJ
7440-23-5	Sodium	C200.7	mg/kg	671		523	U	522	U	515	U	511	U
7440-28-0	Thallium	C200.7	mg/kg	2.8	U	2.6	U	2.6	U	2.6	U	2.6	U
7440-31-5	Tin	C200.7	mg/kg	66.9		10.5	U	10.4	U	51.1		18.8	
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	39.1		15.7		11.7		11.9		6.6	
7440-66-6	Zinc	C200.7	mg/kg	113		14.2		16		39.8		22.4	
7429-90-5	Aluminum	C200.7	ug/l										
7440-36-0	Antimony	C200.7	ug/l										
7440-38-2	Arsenic	C200.7	ug/l										
7440-39-3	Barium	C200.7	ug/l										
7440-41-7	Beryllium	C200.7	ug/l										
7440-43-9	Cadmium	C200.7	ug/l										
7440-70-2	Calcium	C200.7	ug/l										
7440-47-3	Chromium	C200.7	ug/l										

R2-0000922

			sys_sample_code:	RBS-S09A		RBS-S19		RBS-S20		RBS-S21		RBS-S22	
			loc name:	Area-02		Area-02		Area-02		Area-02		Area-02	
			sample_name:	MB52Y7		MB5301		MB5302		MB5303		MB5304	
			sys_loc_code:	S09		S19		S20		S21		S22	
			depth:	0-2 in		0-2 in		0-2 in		0-2 in		0-2 in	
			sample_date:	09/11/2008		09/11/2008		09/11/2008		09/11/2008		09/11/2008	
cas_rn	chemical_name	analytic_method	result_unit										
7440-48-4	Cobalt	C200.7	ug/l										
7440-50-8	Copper	C200.7	ug/l										
7439-89-6	Iron	C200.7	ug/l										
7439-92-1	Lead	C200.7	ug/l										
7439-95-4	Magnesium	C200.7	ug/l										
7439-96-5	Manganese	C200.7	ug/l										
7440-02-0	Nickel	C200.7	ug/l										
7440-09-7	Potassium	C200.7	ug/l										
7782-49-2	Selenium	C200.7	ug/l										
7440-22-4	Silver	C200.7	ug/l										
7440-23-5	Sodium	C200.7	ug/l										
7440-28-0	Thallium	C200.7	ug/l										
7440-31-5	Tin	C200.7	ug/l										
7440-62-2	Vanadium (Fume Or Dust)	C200.7	ug/l										
7440-66-6	Zinc	C200.7	ug/l										

R2-0000923

			sys_sample_code:	RBS-S09A		RBS-S23		RBS-S24		RBS-S25		RBS-S09B	
			loc name:	Area-02		Area-02		Area-02		Area-02		Area-02	
			sample_name:	MB52Y7		MB5305		MB5306		MB5307		MB52Y8	
			sys_loc_code:	S09		S23		S24		S24		S09	
			depth:	0-2 in		0-2 in		0-2 in		0-2 in		6-12 in	
			sample_date:	09/11/2008		09/11/2008		09/11/2008		09/11/2008		09/11/2008	
cas_rn	chemical_name	analytic_method	result_unit										
7429-90-5	Aluminum	C200.7	mg/kg	2190		1140		1250		1270	J	2720	
7440-36-0	Antimony	C200.7	mg/kg	74.2	J	0.77	J	2.3	J	6.3	R	445	J
7440-38-2	Arsenic	C200.7	mg/kg	90.7		3.6		5		5.4	R	299	
7440-39-3	Barium	C200.7	mg/kg	28.1	J	21.1	UJ	20.9	UJ	21	UJ	24	J
7440-41-7	Beryllium	C200.7	mg/kg	0.56	U	0.53	U	0.52	U	0.53	U	0.55	U
7440-43-9	Cadmium	C200.7	mg/kg	0.56	U	0.53	U	0.52	U	0.53	UJ	2.4	
7440-70-2	Calcium	C200.7	mg/kg	17600		954		3820		2130	J	6470	
7440-47-3	Chromium	C200.7	mg/kg	22.1		4.5		5.6	J	8.2	J	24.8	
7440-48-4	Cobalt	C200.7	mg/kg	5.6	U	5.3	U	5.2	U	5.3	UJ	6.3	
7440-50-8	Copper	C200.7	mg/kg	87.3		2.8		4.2		3.2	J	704	
7439-89-6	Iron	C200.7	mg/kg	31600		4370		5530	J	8850	J	59200	
7439-92-1	Lead	C200.7	mg/kg	1430	J	63.6	J	66	J	57.9	J	18400	J
7439-95-4	Magnesium	C200.7	mg/kg	1080		503	J	690		590	J	855	
7439-96-5	Manganese	C200.7	mg/kg	180		26.2		92.3	J	31	J	147	
7440-02-0	Nickel	C200.7	mg/kg	8.1		4.2	U	4.2	U	4.2	U	34.8	
7440-09-7	Potassium	C200.7	mg/kg	201	J	416	J	458	J	546		180	J
7782-49-2	Selenium	C200.7	mg/kg	0.96	J	3.7	U	0.38	J	3.7	UJ	1.7	J
7440-22-4	Silver	C200.7	mg/kg	0.38	J	1.1	UJ	1	UJ	0.14	J	0.88	J
7440-23-5	Sodium	C200.7	mg/kg	671		527	U	524	U	526	UJ	553	U
7440-28-0	Thallium	C200.7	mg/kg	2.8	U	2.6	U	2.6	U	2.6	U	2.8	U
7440-31-5	Tin	C200.7	mg/kg	66.9		10.5	U	10.5	U	10.5	UJ	377	
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	39.1		5.7		6.6		9.2	J	47.1	
7440-66-6	Zinc	C200.7	mg/kg	113		8.9		13.1		13.2	J	219	
7429-90-5	Aluminum	C200.7	ug/l										
7440-36-0	Antimony	C200.7	ug/l										
7440-38-2	Arsenic	C200.7	ug/l										
7440-39-3	Barium	C200.7	ug/l										
7440-41-7	Beryllium	C200.7	ug/l										
7440-43-9	Cadmium	C200.7	ug/l										
7440-70-2	Calcium	C200.7	ug/l										
7440-47-3	Chromium	C200.7	ug/l										

R2-0000924

			sys_sample_code:	RBS-S09A		RBS-S23		RBS-S24		RBS-S25		RBS-S09B	
			loc name:	Area-02		Area-02		Area-02		Area-02		Area-02	
			sample_name:	MB52Y7		MB5305		MB5306		MB5307		MB52Y8	
			sys_loc_code:	S09		S23		S24		S24		S09	
			depth:	0-2 in		0-2 in		0-2 in		0-2 in		6-12 in	
			sample_date:	09/11/2008		09/11/2008		09/11/2008		09/11/2008		09/11/2008	
cas_rn	chemical_name	analytic_method	result_unit										
7440-48-4	Cobalt	C200.7	ug/l										
7440-50-8	Copper	C200.7	ug/l										
7439-89-6	Iron	C200.7	ug/l										
7439-92-1	Lead	C200.7	ug/l										
7439-95-4	Magnesium	C200.7	ug/l										
7439-96-5	Manganese	C200.7	ug/l										
7440-02-0	Nickel	C200.7	ug/l										
7440-09-7	Potassium	C200.7	ug/l										
7782-49-2	Selenium	C200.7	ug/l										
7440-22-4	Silver	C200.7	ug/l										
7440-23-5	Sodium	C200.7	ug/l										
7440-28-0	Thallium	C200.7	ug/l										
7440-31-5	Tin	C200.7	ug/l										
7440-62-2	Vanadium (Fume Or Dust)	C200.7	ug/l										
7440-66-6	Zinc	C200.7	ug/l										

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			sys_sample_code:	RBS-S09A		RBS-S10B		RBS-S09C		RBS-S10C		RBS-SW09	
			loc name:	Area-02		Area-02		Area-02		Area-02		Area-02	
			sample_name:	MB52Y7		MB52Z1		MB52Y9		MB52Z2		MB53H0	
			sys_loc_code:	S09		S10		S09		S10		SW09	
			depth:	0-2 in		6-12 in		12-18 in		12-18 in			
			sample_date:	09/11/2008		09/11/2008		09/11/2008		09/11/2008		09/11/2008	
cas_rn	chemical_name	analytic_method	result_unit										
7429-90-5	Aluminum	C200.7	mg/kg	2190		2250		4120		1950			
7440-36-0	Antimony	C200.7	mg/kg	74.2	J	18.3	J	832	J	34.3	J		
7440-38-2	Arsenic	C200.7	mg/kg	90.7		20		602		29			
7440-39-3	Barium	C200.7	mg/kg	28.1	J	35.9	J	284	J	148	J		
7440-41-7	Beryllium	C200.7	mg/kg	0.56	U	0.55	U	0.66		0.54	U		
7440-43-9	Cadmium	C200.7	mg/kg	0.56	U	0.55	U	1.7		0.54	U		
7440-70-2	Calcium	C200.7	mg/kg	17600		575		8520		1210			
7440-47-3	Chromium	C200.7	mg/kg	22.1		14.9		28.8		9.2			
7440-48-4	Cobalt	C200.7	mg/kg	5.6	U	5.5	U	5.7	U	5.4	U		
7440-50-8	Copper	C200.7	mg/kg	87.3		27.1		563		58.2			
7439-89-6	Iron	C200.7	mg/kg	31600		19400		69300		18000			
7439-92-1	Lead	C200.7	mg/kg	1430	J	649	J	23800	J	1250	J		
7439-95-4	Magnesium	C200.7	mg/kg	1080		601		1150		418	J		
7439-96-5	Manganese	C200.7	mg/kg	180		45.7		398		143			
7440-02-0	Nickel	C200.7	mg/kg	8.1		6.6		46.6		5.5			
7440-09-7	Potassium	C200.7	mg/kg	201	J	495	J	427	J	351	J		
7782-49-2	Selenium	C200.7	mg/kg	0.96	J	0.69	J	2	J	0.81	J		
7440-22-4	Silver	C200.7	mg/kg	0.38	J	0.17	J	1.2	J	0.14	J		
7440-23-5	Sodium	C200.7	mg/kg	671		548	U	1320		540	U		
7440-28-0	Thallium	C200.7	mg/kg	2.8	U	2.7	U	2.8	U	2.7	U		
7440-31-5	Tin	C200.7	mg/kg	66.9		25.6		501		90.8			
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	39.1		17.6		49.6		13.2			
7440-66-6	Zinc	C200.7	mg/kg	113		56.1		463		151			
7429-90-5	Aluminum	C200.7	ug/l									3660	
7440-36-0	Antimony	C200.7	ug/l									11.7	J
7440-38-2	Arsenic	C200.7	ug/l									29.3	
7440-39-3	Barium	C200.7	ug/l									200	U
7440-41-7	Beryllium	C200.7	ug/l									0.65	J
7440-43-9	Cadmium	C200.7	ug/l									5	U
7440-70-2	Calcium	C200.7	ug/l									208000	
7440-47-3	Chromium	C200.7	ug/l									17.8	

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			sys_sample_code:	RBS-S09A		RBS-S10B		RBS-S09C		RBS-S10C		RBS-SW09	
			loc name:	Area-02		Area-02		Area-02		Area-02		Area-02	
			sample_name:	MB52Y7		MB52Z1		MB52Y9		MB52Z2		MB53H0	
			sys_loc_code:	S09		S10		S09		S10		SW09	
			depth:	0-2 in		6-12 in		12-18 in		12-18 in			
			sample_date:	09/11/2008		09/11/2008		09/11/2008		09/11/2008		09/11/2008	
cas_rn	chemical_name	analytic_method	result_unit										
7440-48-4	Cobalt	C200.7	ug/l									50	U
7440-50-8	Copper	C200.7	ug/l									53.3	
7439-89-6	Iron	C200.7	ug/l									14500	J
7439-92-1	Lead	C200.7	ug/l									1220	
7439-95-4	Magnesium	C200.7	ug/l									645000	
7439-96-5	Manganese	C200.7	ug/l									366	J
7440-02-0	Nickel	C200.7	ug/l									40	U
7440-09-7	Potassium	C200.7	ug/l									212000	
7782-49-2	Selenium	C200.7	ug/l									35	U
7440-22-4	Silver	C200.7	ug/l									10	U
7440-23-5	Sodium	C200.7	ug/l									5510000	
7440-28-0	Thallium	C200.7	ug/l									25	U
7440-31-5	Tin	C200.7	ug/l									15.3	J
7440-62-2	Vanadium (Fume Or Dust)	C200.7	ug/l									49.3	J
7440-66-6	Zinc	C200.7	ug/l									218	

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Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 2 Surface Water Dissolved

				sys_loc_code:	SW09		SW10		SW11	
				loc_name:	Area-02		Area-02		Area-02	
				sys_sample_code:	RBS-SW09D		RBS-SW10D		RBS-SW11D	
				sample_date:	09/11/2008		09/11/2008		09/11/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SW						
7429-90-5	Aluminum	C200.7	ug/l	87	4320		4240	J	4590	
7440-36-0	Antimony	C200.7	ug/l	500	15.3	J	19.4	J	26.5	J
7440-38-2	Arsenic	C200.7	ug/l	12.5	24.5		36.2	J	27.1	
7440-39-3	Barium	C200.7	ug/l	4	200	U	200	U	200	U
7440-41-7	Beryllium	C200.7	ug/l	0.66	0.57	J	0.7	J	0.16	J
7440-43-9	Cadmium	C200.7	ug/l	0.12	5	U	5	U	5	U
7440-70-2	Calcium	C200.7	ug/l	116000	222000		212000		200000	
7440-47-3	Chromium	C200.7	ug/l	57.5	19.8		19.4		18.3	
7440-48-4	Cobalt	C200.7	ug/l	23	50	U	50	U	50	U
7440-50-8	Copper	C200.7	ug/l	3.1	21.6	J	82.6	J	35.2	
7439-89-6	Iron	C200.7	ug/l	300	17700	J	14300	J	13000	
7439-92-1	Lead	C200.7	ug/l	8.1	686		1780	J	739	
7439-95-4	Magnesium	C200.7	ug/l	82000	698000		668000		617000	
7439-96-5	Manganese	C200.7	ug/l	120	357	J	382	J	237	J
7440-02-0	Nickel	C200.7	ug/l	8.2	40	U	40	UJ	40	U
7440-09-7	Potassium	C200.7	ug/l	53000	234000		224000		218000	
7782-49-2	Selenium	C200.7	ug/l	71	35	U	35	U	35	U
7440-22-4	Silver	C200.7	ug/l	0.23	10	U	10	U	10	U
7440-23-5	Sodium	C200.7	ug/l	680000	6050000		5830000		5510000	
7440-28-0	Thallium	C200.7	ug/l	21.3	25	U	25	U	25	U
7440-31-5	Tin	C200.7	ug/l	NL	17.4	J	17.1	R	22	J
7440-62-2	Vanadium (Fume Or Dust)	C200.7	ug/l	20	53.8	J	51.1	J	50	UJ
7440-66-6	Zinc	C200.7	ug/l	81	179		251	J	112	

Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 2 Surface Water Total

				sys_loc_code:	SW11	
				loc_name:	Area-02	
				sys_sample_code:	RBS-SW11	
				sample_date:	09/11/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SW		
7429-90-5	Aluminum	C200.7	ug/l	87	5890	
7440-36-0	Antimony	C200.7	ug/l	500	29	J
7440-38-2	Arsenic	C200.7	ug/l	12.5	34.5	
7440-39-3	Barium	C200.7	ug/l	4	200	U
7440-41-7	Beryllium	C200.7	ug/l	0.66	0.054	J
7440-43-9	Cadmium	C200.7	ug/l	0.12	5	U
7440-70-2	Calcium	C200.7	ug/l	116000	208000	
7440-47-3	Chromium	C200.7	ug/l	57.5	25	
7440-48-4	Cobalt	C200.7	ug/l	23	50	U
7440-50-8	Copper	C200.7	ug/l	3.1	54.6	
7439-89-6	Iron	C200.7	ug/l	300	17800	
7439-92-1	Lead	C200.7	ug/l	8.1	867	
7439-95-4	Magnesium	C200.7	ug/l	82000	669000	
7439-96-5	Manganese	C200.7	ug/l	120	265	J
7440-02-0	Nickel	C200.7	ug/l	8.2	40	U
7440-09-7	Potassium	C200.7	ug/l	53000	225000	
7782-49-2	Selenium	C200.7	ug/l	71	35	U
7440-22-4	Silver	C200.7	ug/l	0.23	10	U
7440-23-5	Sodium	C200.7	ug/l	680000	5590000	
7440-28-0	Thallium	C200.7	ug/l	21.3	25	U
7440-31-5	Tin	C200.7	ug/l	NL	33.1	J
7440-62-2	Vanadium (Fume Or Dust)	C200.7	ug/l	20	45	J
7440-66-6	Zinc	C200.7	ug/l	81	137	

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Area 3

Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 3 Surface Soils

					sys_loc_code:	S70		S71		S73		S74	
					loc_name:	Area-03		Area-03		Area-03		Area-03	
					sys_sample_code:	RBS-S70		RBS-S71		RBS-S73		RBS-S74	
					depth:	0-2 in		0-2 in		0-2 in		0-2 in	
					sample_date:	09/11/2008		09/11/2008		09/11/2008		09/11/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-Soil									
7429-90-5	Aluminum	C200.7	mg/kg	3900		890		930	J	863	J	1740	J
7440-36-0	Antimony	C200.7	mg/kg	0.142		6.7	UJ	21.5	UJ	26.9	UJ	30.5	UJ
7440-38-2	Arsenic	C200.7	mg/kg	0.389		1.9		0.84	J	1.5	J	5.1	UJ
7440-39-3	Barium	C200.7	mg/kg	1.04		22.2	U	71.7	UJ	89.7	UJ	102	UJ
7440-41-7	Beryllium	C200.7	mg/kg	0.5		0.55	U	1.8	UJ	2.2	UJ	2.5	UJ
7440-43-9	Cadmium	C200.7	mg/kg	0.00222		0.55	U	1.8	UJ	2.2	UJ	2.5	UJ
7440-70-2	Calcium	C200.7	mg/kg	995		555	U	9890	J	8530	J	8370	J
7440-47-3	Chromium	C200.7	mg/kg	0.4		3.6		5	J	5.5	J	5.1	UJ
7440-48-4	Cobalt	C200.7	mg/kg	0.14		5.5	U	17.9	UJ	22.4	UJ	25.4	UJ
7440-50-8	Copper	C200.7	mg/kg	5.4		3.9		16.1	J	16.5	J	13.8	J
7439-89-6	Iron	C200.7	mg/kg	5480		4050		3260	J	3100	J	3630	J
7439-92-1	Lead	C200.7	mg/kg	0.0537		47.2	J	34.3	J	23.7	J	24.8	J
7439-95-4	Magnesium	C200.7	mg/kg	673		118	J	888	J	683	J	718	J
7439-96-5	Manganese	C200.7	mg/kg	42		12.4	J	319	J	361	J	196	J
7440-02-0	Nickel	C200.7	mg/kg	12.3		0.64	J	2.9	J	1.9	J	2.1	J
7440-09-7	Potassium	C200.7	mg/kg	1750		179	J	513	J	532	J	535	J
7782-49-2	Selenium	C200.7	mg/kg	0.0276		0.52	J	1.4	J	1.6	J	2.1	J
7440-22-4	Silver	C200.7	mg/kg	1		1.1	U	3.6	UJ	4.5	UJ	5.1	UJ
7440-23-5	Sodium	C200.7	mg/kg	NL		8.8	J	124	J	111	J	129	J
7440-28-0	Thallium	C200.7	mg/kg	0.0569		2.8	U	9	UJ	11.2	UJ	12.7	UJ
7440-31-5	Tin	C200.7	mg/kg	NL		11.1	U	35.8	UJ	44.8	UJ	50.8	UJ
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548		6.8		17.9	UJ	22.4	UJ	25.4	UJ
7440-66-6	Zinc	C200.7	mg/kg	6.62		8.3	J	64.4	J	56.5	J	50.2	J

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Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 3 Surface Soils

				sys_loc_code:	S75		S76		S77		S79	
				loc_name:	Area-03		Area-03		Area-03		Area-03	
				sys_sample_code:	RBS-S75		RBS-S76		RBS-S77		RBS-S79	
				depth:	0-2 in		0-2 in		0-2 in		0-2 in	
				sample_date:	09/11/2008		09/11/2008		09/11/2008		09/11/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-Soil								
7429-90-5	Aluminum	C200.7	mg/kg	3900	378	J	760	J	2800		6070	
7440-36-0	Antimony	C200.7	mg/kg	0.142	21.7	UJ	23.6	UJ	7.1	UJ	8.3	UJ
7440-38-2	Arsenic	C200.7	mg/kg	0.389	3.6	UJ	3.9	UJ	5.3		8.7	
7440-39-3	Barium	C200.7	mg/kg	1.04	72.2	UJ	78.7	UJ	23.8	U	38.7	
7440-41-7	Beryllium	C200.7	mg/kg	0.5	1.8	UJ	2	UJ	0.59	U	0.69	U
7440-43-9	Cadmium	C200.7	mg/kg	0.00222	1.8	UJ	2.4	J	0.59	U	0.69	U
7440-70-2	Calcium	C200.7	mg/kg	995	10900	J	9570	J	634		1910	
7440-47-3	Chromium	C200.7	mg/kg	0.4	3.6	UJ	3.9	UJ	12.5		17	
7440-48-4	Cobalt	C200.7	mg/kg	0.14	18.1	UJ	19.7	UJ	5.9	U	6.9	U
7440-50-8	Copper	C200.7	mg/kg	5.4	9	J	14.5	J	10.1		18.3	
7439-89-6	Iron	C200.7	mg/kg	5480	2600	J	2290	J	14500	J	14400	
7439-92-1	Lead	C200.7	mg/kg	0.0537	8.9	J	33.7	J	34.5	J	29.5	J
7439-95-4	Magnesium	C200.7	mg/kg	673	557	J	729	J	405	J	1340	
7439-96-5	Manganese	C200.7	mg/kg	42	319	J	358	J	43.6	J	211	J
7440-02-0	Nickel	C200.7	mg/kg	12.3	1.2	J	2.3	J	2.1	J	5.9	
7440-09-7	Potassium	C200.7	mg/kg	1750	475	J	505	J	425	J	707	
7782-49-2	Selenium	C200.7	mg/kg	0.0276	1.5	J	2.1	J	0.71	J	1.1	J
7440-22-4	Silver	C200.7	mg/kg	1	3.6	UJ	3.9	UJ	1.2	U	1.4	U
7440-23-5	Sodium	C200.7	mg/kg	NL	100	J	129	J	17.5	J	44.9	J
7440-28-0	Thallium	C200.7	mg/kg	0.0569	9	UJ	9.8	UJ	3	U	3.4	U
7440-31-5	Tin	C200.7	mg/kg	NL	36.1	UJ	39.4	UJ	11.9	U	13.8	U
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548	18.1	UJ	19.7	UJ	19		24.5	
7440-66-6	Zinc	C200.7	mg/kg	6.62	126	J	59.3	J	19.9	J	49.7	J

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Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 3 Surface Soils

				sys_loc_code:	S80		S81		S82		S83	
				loc_name:	Area-03		Area-03		Area-03		Area-03	
				sys_sample_code:	RBS-S80		RBS-S81		RBS-S82		RBS-S83	
				depth:	0-2 in		0-2 in		0-2 in		0-2 in	
				sample_date:	09/11/2008		09/11/2008		09/11/2008		09/11/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-Soil								
7429-90-5	Aluminum	C200.7	mg/kg	3900	4720		6980		5290		7040	
7440-36-0	Antimony	C200.7	mg/kg	0.142	6.7	UJ	8.5	UJ	7	UJ	7.5	UJ
7440-38-2	Arsenic	C200.7	mg/kg	0.389	8.7		11.4		9.5		6.5	
7440-39-3	Barium	C200.7	mg/kg	1.04	22.4	U	30.3		23.2	U	32.4	
7440-41-7	Beryllium	C200.7	mg/kg	0.5	0.63		0.71	U	0.93		0.62	U
7440-43-9	Cadmium	C200.7	mg/kg	0.00222	0.56	U	0.71	U	0.6	U	0.62	U
7440-70-2	Calcium	C200.7	mg/kg	995	478	J	1900		770		1690	
7440-47-3	Chromium	C200.7	mg/kg	0.4	22.1		22.5		53.8		19.3	
7440-48-4	Cobalt	C200.7	mg/kg	0.14	6.7		7.1	U	11.3		6.2	U
7440-50-8	Copper	C200.7	mg/kg	5.4	4.6		23.1		7.2		19.1	
7439-89-6	Iron	C200.7	mg/kg	5480	28400		20600		43700		16300	
7439-92-1	Lead	C200.7	mg/kg	0.0537	11.1	J	26.1	J	9.2	J	27.3	J
7439-95-4	Magnesium	C200.7	mg/kg	673	540	J	1270		540	J	1260	
7439-96-5	Manganese	C200.7	mg/kg	42	206	J	96.5	J	231	J	147	J
7440-02-0	Nickel	C200.7	mg/kg	12.3	2.8	J	8.2		4.1	J	7.1	
7440-09-7	Potassium	C200.7	mg/kg	1750	941		1240		805		842	
7782-49-2	Selenium	C200.7	mg/kg	0.0276	1.2	J	1.2	J	1.2	J	1.1	J
7440-22-4	Silver	C200.7	mg/kg	1	1.1	U	1.4	U	1.2	U	1.2	U
7440-23-5	Sodium	C200.7	mg/kg	NL	22	J	53.9	J	23.1	J	48.8	J
7440-28-0	Thallium	C200.7	mg/kg	0.0569	2.8	U	3.6	U	2.9	U	3.1	U
7440-31-5	Tin	C200.7	mg/kg	NL	11.2	U	14.2	U	11.6	U	12.4	U
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548	32.2		44.8		48.4		25.8	
7440-66-6	Zinc	C200.7	mg/kg	6.62	27.2	J	102	J	42.2	J	71.8	J

R2-0000933

Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 3 Surface Soils

					sys_loc_code:	S84		S85		S86		S87	
					loc_name:	Area-03		Area-03		Area-03		Area-03	
					sys_sample_code:	RBS-S84		RBS-S85		RBS-S86		RBS-S87	
					depth:	0-2 in		0-2 in		0-2 in		0-2 in	
					sample_date:	09/11/2008		09/11/2008		09/11/2008		09/11/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-Soil									
7429-90-5	Aluminum	C200.7	mg/kg	3900		6660		4860		7730		8070	
7440-36-0	Antimony	C200.7	mg/kg	0.142		7.4	UJ	8.8	UJ	6.6	UJ	7.2	UJ
7440-38-2	Arsenic	C200.7	mg/kg	0.389		9.1		144		5		7.8	
7440-39-3	Barium	C200.7	mg/kg	1.04		24.7	U	64.3		49.6		24	U
7440-41-7	Beryllium	C200.7	mg/kg	0.5		0.62	U	0.74	U	0.67		0.6	U
7440-43-9	Cadmium	C200.7	mg/kg	0.00222		0.62	U	0.74	U	0.55	U	0.6	U
7440-70-2	Calcium	C200.7	mg/kg	995		1140		3150		1050		930	
7440-47-3	Chromium	C200.7	mg/kg	0.4		22.5		19.1		12.8		19.9	
7440-48-4	Cobalt	C200.7	mg/kg	0.14		6.2	U	7.4	U	5.5	U	6	U
7440-50-8	Copper	C200.7	mg/kg	5.4		9.1		23.2		9.3		8.8	
7439-89-6	Iron	C200.7	mg/kg	5480		17100		25500		18200		19400	
7439-92-1	Lead	C200.7	mg/kg	0.0537		11.6	J	24.7	J	17.4	J	12.1	J
7439-95-4	Magnesium	C200.7	mg/kg	673		615	J	1210		1220		789	
7439-96-5	Manganese	C200.7	mg/kg	42		117	J	940	J	380	J	77	J
7440-02-0	Nickel	C200.7	mg/kg	12.3		3.7	J	5.4	J	8		3.8	J
7440-09-7	Potassium	C200.7	mg/kg	1750		699		750		761		810	
7782-49-2	Selenium	C200.7	mg/kg	0.0276		1.1	J	1.8	J	1.1	J	1	J
7440-22-4	Silver	C200.7	mg/kg	1		1.2	U	1.5	U	1.1	U	1.2	U
7440-23-5	Sodium	C200.7	mg/kg	NL		26.3	J	41.3	J	57.6	J	28.6	J
7440-28-0	Thallium	C200.7	mg/kg	0.0569		3.1	U	3.7	U	2.7	U	3	U
7440-31-5	Tin	C200.7	mg/kg	NL		12.3	U	14.7	U	10.9	U	12	U
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548		27.3		24.8		27.9		31.9	
7440-66-6	Zinc	C200.7	mg/kg	6.62		26.4	J	62.5	J	40.1	J	23.3	J

R2-0000934

Area 4

Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 4 Surface Soils

				sys_loc_code:	S61		S62		S65		S66	
				loc_name:	Area-04		Area-04		Area-04		Area-04	
				sys_sample_code:	RBS-S61		RBS-S62		RBS-S65		RBS-S66	
				depth:	0-2 in		0-2 in		0-2 in		0-2 in	
				sample_date:	09/10/2008		09/10/2008		09/10/2008		09/10/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-Soil								
7429-90-5	Aluminum	C200.7	mg/kg	3900	3760	J	3410	J	7060	J	3890	J
7440-36-0	Antimony	C200.7	mg/kg	0.142	6.8	U	7	U	6.7	UJ	7.1	UJ
7440-38-2	Arsenic	C200.7	mg/kg	0.389	34.8		5.8		4.5		3.8	
7440-39-3	Barium	C200.7	mg/kg	1.04	46.7	J	23.4	UJ	25.3	J	18.7	J
7440-41-7	Beryllium	C200.7	mg/kg	0.5	0.56	U	0.58	U	0.43	J	0.052	J
7440-43-9	Cadmium	C200.7	mg/kg	0.00222	0.56	U	0.58	U	0.33	J	0.02	J
7440-70-2	Calcium	C200.7	mg/kg	995	589		2350		1500	J	3860	J
7440-47-3	Chromium	C200.7	mg/kg	0.4	8.3		37.3		11.1	J	10	J
7440-48-4	Cobalt	C200.7	mg/kg	0.14	5.6	U	5.8	U	3.1	J	1.3	J
7440-50-8	Copper	C200.7	mg/kg	5.4	131	J	61.1	J	22.3	J	12	J
7439-89-6	Iron	C200.7	mg/kg	5480	13300		15800		13300	J	11300	J
7439-92-1	Lead	C200.7	mg/kg	0.0537	97.8	J	62.9	J	29.8	J	30.3	J
7439-95-4	Magnesium	C200.7	mg/kg	673	247	J	1570		2040	J	933	J
7439-96-5	Manganese	C200.7	mg/kg	42	22.1		82.8		166	J	58.2	J
7440-02-0	Nickel	C200.7	mg/kg	12.3	8.1		5.4		12.6	J	3.5	J
7440-09-7	Potassium	C200.7	mg/kg	1750	412	J	352	J	879	J	491	J
7782-49-2	Selenium	C200.7	mg/kg	0.0276	4	U	4.1	U	0.81	J	0.93	J
7440-22-4	Silver	C200.7	mg/kg	1	1.1	J	0.15	J	1.1	UJ	0.16	J
7440-23-5	Sodium	C200.7	mg/kg		564	U	585	U	816	J	588	UJ
7440-28-0	Thallium	C200.7	mg/kg	0.0569	2.8	U	2.9	U	2.8	U	2.9	U
7440-31-5	Tin	C200.7	mg/kg		11.3	U	11.7	U	11.1	UJ	11.8	UJ
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548	41.7		25.4		22.1	J	18.4	J
7440-66-6	Zinc	C200.7	mg/kg	6.62	20.8		50.9		37.9	J	29	J

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Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 4 Surface Soils

				sys_loc_code:	S67		S68		S69	
				loc_name:	Area-04		Area-04		Area-04	
				sys_sample_code:	RBS-S67		RBS-S68		RBS-S69	
				depth:	0-2 in		0-2 in		0-2 in	
				sample_date:	09/10/2008		09/10/2008		09/10/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-Soil						
7429-90-5	Aluminum	C200.7	mg/kg	3900	5770	J	4900	J	5160	J
7440-36-0	Antimony	C200.7	mg/kg	0.142	0.42	J	0.36	J	7.4	UJ
7440-38-2	Arsenic	C200.7	mg/kg	0.389	2.9		7.2		5.8	
7440-39-3	Barium	C200.7	mg/kg	1.04	43.9	J	26.3	J	28.3	J
7440-41-7	Beryllium	C200.7	mg/kg	0.5	0.05	J	0.29	J	0.3	J
7440-43-9	Cadmium	C200.7	mg/kg	0.00222	0.19	J	0.53	UJ	0.62	UJ
7440-70-2	Calcium	C200.7	mg/kg	995	6490	J	879	J	1310	J
7440-47-3	Chromium	C200.7	mg/kg	0.4	16.4	J	19.2	J	15.5	J
7440-48-4	Cobalt	C200.7	mg/kg	0.14	2.5	J	1.9	J	2.9	J
7440-50-8	Copper	C200.7	mg/kg	5.4	29.8	J	14	J	13.9	J
7439-89-6	Iron	C200.7	mg/kg	5480	9520	J	19600	J	17500	J
7439-92-1	Lead	C200.7	mg/kg	0.0537	49.3	J	31.5	J	28.4	J
7439-95-4	Magnesium	C200.7	mg/kg	673	1740	J	904	J	1120	J
7439-96-5	Manganese	C200.7	mg/kg	42	162	J	52.1	J	78.4	J
7440-02-0	Nickel	C200.7	mg/kg	12.3	9	J	5	J	6.1	J
7440-09-7	Potassium	C200.7	mg/kg	1750	707	J	822	J	862	J
7782-49-2	Selenium	C200.7	mg/kg	0.0276	0.87	J	0.95	J	0.93	J
7440-22-4	Silver	C200.7	mg/kg	1	0.67	J	1.1	UJ	1.2	UJ
7440-23-5	Sodium	C200.7	mg/kg		635	UJ	526	UJ	617	UJ
7440-28-0	Thallium	C200.7	mg/kg	0.0569	3.2	U	2.6	U	3.1	U
7440-31-5	Tin	C200.7	mg/kg		12.7	UJ	10.5	UJ	12.3	UJ
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548	20.1	J	28.4	J	28.3	J
7440-66-6	Zinc	C200.7	mg/kg	6.62	60.3	J	25.6	J	5160	J

R2-0000937

Area 5

Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 5 Surface Water Dissolved

				sys_loc_code:	SW30		SW31		SW32		SW33	
				loc_name:	Area-05		Area-05		Area-05		Area-05	
				sys_sample_code:	RBS-SW30D		RBS-SW31D		RBS-SW32D		RBS-SW33D	
				sample_date:	04/21/2009		04/21/2009		04/21/2009		04/21/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SW								
7429-90-5	Aluminum	C200.7	ug/l	87	200	U	200	U	66.6	J	200	U
7440-36-0	Antimony	C200.7	ug/l	500	60	U	60	U	60	U	60	U
7440-38-2	Arsenic	C200.7	ug/l	12.5	10	U	10	U	10	U	10	U
7440-39-3	Barium	C200.7	ug/l	4	19.2	J	19.6	J	19.2	J	19.4	J
7440-41-7	Beryllium	C200.7	ug/l	0.66	5	U	5	U	5	U	5	U
7440-43-9	Cadmium	C200.7	ug/l	0.12	5	U	5	U	5	U	5	U
7440-70-2	Calcium	C200.7	ug/l	116000	209000		210000		207000		210000	
7440-47-3	Chromium	C200.7	ug/l	57.5	10	U	10	U	10	U	10	U
7440-48-4	Cobalt	C200.7	ug/l	23	50	U	50	U	50	U	50	U
7440-50-8	Copper	C200.7	ug/l	3.1	1.3	J	1.2	J	1.6	J	1.3	J
7439-89-6	Iron	C200.7	ug/l	300	154		117		205		104	
7439-92-1	Lead	C200.7	ug/l	8.1	10	U	10	U	3.8	J	10	U
7439-95-4	Magnesium	C200.7	ug/l	82000	656000		657000		645000		656000	
7439-96-5	Manganese	C200.7	ug/l	120	17.6		32.9		23.6	J	27.3	J
7440-02-0	Nickel	C200.7	ug/l	8.2	1.6	J	1.5	J	1.2	J	1.3	J
7440-09-7	Potassium	C200.7	ug/l	53000	340000	J	339000	J	335000	J	344000	J
7782-49-2	Selenium	C200.7	ug/l	71	35	U	35	U	35	U	35	U
7440-22-4	Silver	C200.7	ug/l	0.23	10	U	10	U	10	U	10	U
7440-23-5	Sodium	C200.7	ug/l	680000	5180000		5260000		5140000		5280000	
7440-28-0	Thallium	C200.7	ug/l	21.3	25	R	25	R	25	R	25	R
7440-62-2	Vanadium (Fume Or Dust)	C200.7	ug/l	20	0.62	J	0.74	J	0.82	J	0.93	J
7440-66-6	Zinc	C200.7	ug/l	81	3	J	2.6	J	3.6	J	3.1	J

R2-0000939

Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 5 Surface Water Dissolved

				sys_loc_code:	SW34		SW35		SW36	
				loc_name:	Area-05		Area-05		Area-05	
				sys_sample_code:	RBS-SW34D		RBS-SW35D		RBS-SW36D	
				sample_date:	04/21/2009		04/21/2009		04/21/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SW						
7429-90-5	Aluminum	C200.7	ug/l	87	200	U	129	J	200	U
7440-36-0	Antimony	C200.7	ug/l	500	60	U	60	U	3.9	J
7440-38-2	Arsenic	C200.7	ug/l	12.5	10	U	10	U	10	U
7440-39-3	Barium	C200.7	ug/l	4	17	J	18.1	J	16.8	J
7440-41-7	Beryllium	C200.7	ug/l	0.66	5	U	5	U	5	U
7440-43-9	Cadmium	C200.7	ug/l	0.12	5	U	5	U	5	U
7440-70-2	Calcium	C200.7	ug/l	116000	223000		222000		220000	
7440-47-3	Chromium	C200.7	ug/l	57.5	10	U	10	U	10	U
7440-48-4	Cobalt	C200.7	ug/l	23	50	U	50	U	50	U
7440-50-8	Copper	C200.7	ug/l	3.1	25	U	6.3	J	25	U
7439-89-6	Iron	C200.7	ug/l	300	96.4	J	224		164	
7439-92-1	Lead	C200.7	ug/l	8.1	10	U	10	U	10	U
7439-95-4	Magnesium	C200.7	ug/l	82000	696000		698000		693000	
7439-96-5	Manganese	C200.7	ug/l	120	15	U	13	J	6.2	J
7440-02-0	Nickel	C200.7	ug/l	8.2	1.7	J	1.3	J	1.5	J
7440-09-7	Potassium	C200.7	ug/l	53000	362000	J	367000	J	361000	J
7782-49-2	Selenium	C200.7	ug/l	71	35	U	35	U	35	U
7440-22-4	Silver	C200.7	ug/l	0.23	10	U	10	U	10	U
7440-23-5	Sodium	C200.7	ug/l	680000	5520000		5680000		5650000	
7440-28-0	Thallium	C200.7	ug/l	21.3	25	R	25	R	25	R
7440-62-2	Vanadium (Fume Or Dust)	C200.7	ug/l	20	50	U	2.5	J	1.2	J
7440-66-6	Zinc	C200.7	ug/l	81	3.6	J	3.1	J	2.2	J

R2-0000940

Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 5 Sediment > 12

				sys_loc_code:	A130		A132		A133		A165	
				loc_name:	Area-05		Area-05		Area-05		Area-05	
				sys_sample_code:	A130 12-24		A132 12-24		A133 12-24		A165 12-24	
				end_depth:	12-24 in		12-24 in		12-24 in		12-24 in	
				sample_date:	06/30/2009		06/30/2009		06/30/2009		06/30/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	E200.7	mg/kg	7740	2350		1380	J	3730		837	
7440-36-0	Antimony	E200.8	mg/kg	2	12.4		1.3	U	0.55	J	1.3	
7440-38-2	Arsenic	E200.8	mg/kg	0.389	11.9		2.9		11.6		4	
7440-39-3	Barium	E200.8	mg/kg	130.1	10.4	J	5.6	J	6.8	J	2.4	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.37		0.39		0.48		0.12	J
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.32	J	0.28	J	0.31	U	0.31	U
7440-70-2	Calcium	E200.7	mg/kg	NL	7450		323	J	456	J	107	J
7440-47-3	Chromium	E200.8	mg/kg	52.3	14.4		8.9		15.9		3.3	
7440-48-4	Cobalt	E200.8	mg/kg	2.34	2.1	J	0.63	J	1.5	J	0.34	J
7440-50-8	Copper	E200.8	mg/kg	18.7	24.7	J	2.5	J	9.8	J	7.5	J
7439-89-6	Iron	E200.7	mg/kg	2000	10400		4250	J	16300		3510	
7439-92-1	Lead	E200.8	mg/kg	30.2	387		4.7		13.3		36.2	
7439-95-4	Magnesium	E200.7	mg/kg	NL	1360		596	J	972		615	U
7439-96-5	Manganese	E200.8	mg/kg	183	68.2		10.2	J	24.1		5.4	
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.14		0.039	U	0.22		0.037	U
7440-02-0	Nickel	E200.8	mg/kg	15.9	4.9	J	1.7	J	5	J	1.1	J
7440-09-7	Potassium	E200.7	mg/kg	NL	709	U	650	U	624		615	U
7782-49-2	Selenium	E200.8	mg/kg	2	0.45	J	0.35	J	0.72		0.62	U
7440-22-4	Silver	E200.8	mg/kg	0.73	0.35	U	0.33	U	0.31	U	0.31	U
7440-23-5	Sodium	E200.7	mg/kg	NL	2690		1650		1550		615	U
7440-28-0	Thallium	E200.8	mg/kg	100000	0.71	U	0.65	U	0.62	U	0.62	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	17.8	J	11.1	J	21.9	J	6.4	J
7440-66-6	Zinc	E200.8	mg/kg	124	63.6	J	6.6	J	26.2	J	11	J

R2-0000941

Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 5 Sediment > 12

				sys_loc_code:	A166		A167		B10		B11	
				loc_name:	Area-05		Area-05		Area-05		Area-05	
				sys_sample_code:	A166 12-24		A167 12-24		B10 12-24		B11 12-24	
				end_depth:	12-24 in		12-24 in		12-24 in		12-24 in	
				sample_date:	07/22/2009		07/22/2009		07/07/2009		07/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	E200.7	mg/kg	7740	2100		1010				1260	
7440-36-0	Antimony	E200.8	mg/kg	2	1.3	U	1.3	U	1.3	U	1.2	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389	8.6	J	1.7	J	4.2		1.8	
7440-39-3	Barium	E200.8	mg/kg	130.1	8.2		6.4	U	6.3	J	6.2	UJ
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.43		0.32	U	0.29	J	0.15	J
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.33	U	0.32	U	0.059	J	0.31	U
7440-70-2	Calcium	E200.7	mg/kg	NL	3130		92.7	J			171	J
7440-47-3	Chromium	E200.8	mg/kg	52.3	16.4	J	2.3	J	9.1		3	
7440-48-4	Cobalt	E200.8	mg/kg	2.34	1.8		0.64	U	0.61	J	0.5	J
7440-50-8	Copper	E200.8	mg/kg	18.7	15.8	J	3.1	J	5.7		1.4	
7439-89-6	Iron	E200.7	mg/kg	2000	4590		10300				2420	
7439-92-1	Lead	E200.8	mg/kg	30.2	13.2		2.8		8.2		3	J
7439-95-4	Magnesium	E200.7	mg/kg	NL	598	J	218	J			537	J
7439-96-5	Manganese	E200.8	mg/kg	183	22.3		2.5		13.5		16.2	J
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.14		0.038	U	0.039	U	0.037	U
7440-02-0	Nickel	E200.8	mg/kg	15.9	6.5		1.4		2.3		1.1	
7440-09-7	Potassium	E200.7	mg/kg	NL	376	J	176	J			341	J
7782-49-2	Selenium	E200.8	mg/kg	2	0.62	J	0.64	U	0.66	U	0.62	U
7440-22-4	Silver	E200.8	mg/kg	0.73	0.33	U	0.32	U	0.33	U	0.31	U
7440-23-5	Sodium	E200.7	mg/kg	NL	1500		1070				1900	
7440-28-0	Thallium	E200.8	mg/kg	100000	0.66	U	0.64	U	0.66	U	0.62	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	20.4		4.5		13.7	J	6.1	J
7440-66-6	Zinc	E200.8	mg/kg	124	50.8	J	6.4	J	3	R	4.1	

R2-0000942

					sys_loc_code:	B12		B13		B14		B15	
					loc_name:	Area-05		Area-05		Area-05		Area-05	
					sys_sample_code:	B12 12-24		B13 12-24		B14 12-24		B15 12-24	
					end_depth:	12-24 in		12-24 in		12-24 in		12-24 in	
					sample_date:	07/23/2009		07/23/2009		07/23/2009		07/08/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED									
7429-90-5	Aluminum	E200.7	mg/kg	7740		1260	J	662	J	893	J		
7440-36-0	Antimony	E200.8	mg/kg	2		1.2	U	1.2	U	1.2	U	1.3	
7440-38-2	Arsenic	E200.8	mg/kg	0.389		1.2	J	0.31	UJ	1.5		2.2	
7440-39-3	Barium	E200.8	mg/kg	130.1		8.9		6.2	U	6	UJ	2.9	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6		0.14	J	0.05	J	0.3	U	0.096	J
7440-43-9	Cadmium	E200.8	mg/kg	0.68		0.31	U	0.31	U	0.3	U	0.034	J
7440-70-2	Calcium	E200.7	mg/kg	NL		134	J	82.2	J	448	J		
7440-47-3	Chromium	E200.8	mg/kg	52.3		2.8	J	2.8	J	2		4.8	
7440-48-4	Cobalt	E200.8	mg/kg	2.34		0.62	U	0.62	U	0.39		0.7	
7440-50-8	Copper	E200.8	mg/kg	18.7		4.3	J	1.2	UJ	1.7		5.2	
7439-89-6	Iron	E200.7	mg/kg	2000		1790	J	851	J	1400			
7439-92-1	Lead	E200.8	mg/kg	30.2		4.5		2.3		3.4		44	
7439-95-4	Magnesium	E200.7	mg/kg	NL		621	U	621	U	259	J		
7439-96-5	Manganese	E200.8	mg/kg	183		5		4.1		4.4		4.5	
7439-97-6	Mercury	E245.5	mg/kg	0.13		0.037	U	0.037	U	0.036	U	0.022	J
7440-02-0	Nickel	E200.8	mg/kg	15.9		0.7		0.62	U	0.67	J	1.7	
7440-09-7	Potassium	E200.7	mg/kg	NL		621	U	621	U	599	U		
7782-49-2	Selenium	E200.8	mg/kg	2		0.62	U	0.62	U	0.6	U	0.62	U
7440-22-4	Silver	E200.8	mg/kg	0.73		0.31	U	0.31	U	0.3	U	0.31	U
7440-23-5	Sodium	E200.7	mg/kg	NL		1650	J	1530	J	1110			
7440-28-0	Thallium	E200.8	mg/kg	100000		0.62	U	0.62	U	0.6	U	0.62	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548		9.1	J	2.7	J	4.3	J	8.4	
7440-66-6	Zinc	E200.8	mg/kg	124		3	J	1.5	J	3.2		12	

R2-0000943

Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 5 Sediment > 12

				sys_loc_code:	B16		B17		B18		B2	
				loc_name:	Area-05		Area-05		Area-05		Area-05	
				sys_sample_code:	B16 12-24		B17 12-24		B18 12-24		B2 12-24	
				end_depth:	12-24 in		12-24 in		12-24 in		12-24 in	
				sample_date:	07/07/2009		07/23/2009		07/23/2009		07/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	E200.7	mg/kg	7740			1530	J	2360	J	4020	J
7440-36-0	Antimony	E200.8	mg/kg	2	1.1	U			1.2	U	1.3	UJ
7440-38-2	Arsenic	E200.8	mg/kg	0.389	12.5				5.1	J	9.2	
7440-39-3	Barium	E200.8	mg/kg	130.1	4.3	J			6.2	U	14.8	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.15	J			0.41		0.62	J
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.0083	J			0.31	U	0.33	U
7440-70-2	Calcium	E200.7	mg/kg	NL			2550	J	198	J	316	J
7440-47-3	Chromium	E200.8	mg/kg	52.3	9.9				13.9	J	14.4	
7440-48-4	Cobalt	E200.8	mg/kg	2.34	0.82				2.9		7	
7440-50-8	Copper	E200.8	mg/kg	18.7	2.6				3.3	J	14.8	
7439-89-6	Iron	E200.7	mg/kg	2000			5980	J	7140	J	9040	J
7439-92-1	Lead	E200.8	mg/kg	30.2	2.5				4.7		15.7	
7439-95-4	Magnesium	E200.7	mg/kg	NL			754		804		749	J
7439-96-5	Manganese	E200.8	mg/kg	183	21.4				34.3		13.8	
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.032	U			0.037	U	0.068	
7440-02-0	Nickel	E200.8	mg/kg	15.9	1.2				4.6		9.5	
7440-09-7	Potassium	E200.7	mg/kg	NL			639	U	621	U	993	J
7782-49-2	Selenium	E200.8	mg/kg	2	0.24	J			0.62	U	0.67	J
7440-22-4	Silver	E200.8	mg/kg	0.73	0.27	U			0.31	U	0.33	U
7440-23-5	Sodium	E200.7	mg/kg	NL			1750		1390	J	1000	J
7440-28-0	Thallium	E200.8	mg/kg	100000	0.54	U			0.62	U	0.67	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	50.1	J			22.5	J	36.6	J
7440-66-6	Zinc	E200.8	mg/kg	124	2.1	R			14.7	J	47.9	

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Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 5 Sediment > 12

				sys_loc_code:	B20		B21		B23		B24	
				loc_name:	Area-05		Area-05		Area-05		Area-05	
				sys_sample_code:	B20 12-24		B21 12-24		B23 12-24		B24 12-24	
				end_depth:	12-24 in		12-24 in		12-24 in		12-24 in	
				sample_date:	07/23/2009		07/07/2009		07/23/2009		07/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	E200.7	mg/kg	7740	1170	J			2530	J	2710	J
7440-36-0	Antimony	E200.8	mg/kg	2	1.2	U	1.5		1.2	UJ	1.2	UJ
7440-38-2	Arsenic	E200.8	mg/kg	0.389	9.9	J	5.1		7.4		4.2	
7440-39-3	Barium	E200.8	mg/kg	130.1	6.2	U	4.2	J	6.2	UJ	6.5	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.21	J	0.47		0.31	U	0.31	U
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.31	U	0.044	J	0.31	U	0.31	U
7440-70-2	Calcium	E200.7	mg/kg	NL	76.4	J			3280		1440	
7440-47-3	Chromium	E200.8	mg/kg	52.3	8	J	10.3		18.3		6.4	
7440-48-4	Cobalt	E200.8	mg/kg	2.34	3.6		0.7		1.6		1.2	
7440-50-8	Copper	E200.8	mg/kg	18.7	7.3	J	8.1		4.8		3.1	
7439-89-6	Iron	E200.7	mg/kg	2000	4210	J			7150		7860	
7439-92-1	Lead	E200.8	mg/kg	30.2	11.3		37.6		6.1		4.2	
7439-95-4	Magnesium	E200.7	mg/kg	NL	625	U			983		847	
7439-96-5	Manganese	E200.8	mg/kg	183	23.4		40.5		81.7		39.5	
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.074		0.018	J	0.038		0.037	U
7440-02-0	Nickel	E200.8	mg/kg	15.9	9.5		2.5		3.6	J	3.1	J
7440-09-7	Potassium	E200.7	mg/kg	NL	625	U			620	U	612	U
7782-49-2	Selenium	E200.8	mg/kg	2	0.62	U	0.53	U	0.33	J	0.61	U
7440-22-4	Silver	E200.8	mg/kg	0.73	0.31	U	0.26	U	0.31	U	0.31	U
7440-23-5	Sodium	E200.7	mg/kg	NL	625	UJ			2050		1110	
7440-28-0	Thallium	E200.8	mg/kg	100000	0.9		0.53	U	0.62	U	0.61	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	20	J	20.1	J	18.6	J	13.7	J
7440-66-6	Zinc	E200.8	mg/kg	124	34.6	J	7.5	R	21.5		10.5	

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Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 5 Sediment > 12

				sys_loc_code:	B25		B29		B4		B5	
				loc_name:	Area-05		Area-05		Area-05		Area-05	
				sys_sample_code:	B25 12-24		B29 12-24		B4 12-24		B5 12-24	
				end_depth:	12-24 in		12-24 in		12-24 in		12-24 in	
				sample_date:	07/23/2009		07/23/2009		07/23/2009		07/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	E200.7	mg/kg	7740	1890	J	2330	J	1080	J	1790	J
7440-36-0	Antimony	E200.8	mg/kg	2	1.2	UJ	1.2	U	1.2	UJ	1.3	UJ
7440-38-2	Arsenic	E200.8	mg/kg	0.389	6.3		5.5		4.4		1.9	
7440-39-3	Barium	E200.8	mg/kg	130.1	6.2	UJ	6	UJ	6.1	UJ	6.3	UJ
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.31	U	0.3	U	0.072	J	0.17	J
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.31	U	0.3	U	0.31	U	0.31	U
7440-70-2	Calcium	E200.7	mg/kg	NL	106	J	830		146	J	143	J
7440-47-3	Chromium	E200.8	mg/kg	52.3	7.6		5.5		4.5		6	
7440-48-4	Cobalt	E200.8	mg/kg	2.34	0.94		1.1		0.71		1.3	
7440-50-8	Copper	E200.8	mg/kg	18.7	9.2		1.7		7.3		20.4	
7439-89-6	Iron	E200.7	mg/kg	2000	8430		5940		5080	J	9340	J
7439-92-1	Lead	E200.8	mg/kg	30.2	15.3		3.6		9.9		10.2	
7439-95-4	Magnesium	E200.7	mg/kg	NL	360	J	843		243	J	292	J
7439-96-5	Manganese	E200.8	mg/kg	183	11.5		39.2		23.8		7.6	
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.1		0.036	U	0.1		0.092	
7440-02-0	Nickel	E200.8	mg/kg	15.9	3.2	J	2.4	J	3.8		3.6	
7440-09-7	Potassium	E200.7	mg/kg	NL	624	U	605	U	613	UJ	627	UJ
7782-49-2	Selenium	E200.8	mg/kg	2	0.44	J	0.6	U	0.42	J	0.63	UJ
7440-22-4	Silver	E200.8	mg/kg	0.73	0.31	U	0.3	U	0.31	U	0.31	U
7440-23-5	Sodium	E200.7	mg/kg	NL	386	J	1630		595	J	627	UJ
7440-28-0	Thallium	E200.8	mg/kg	100000	0.62	U	0.6	U	0.61	U	0.63	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	13.2	J	11	J	7.6	J	7.9	J
7440-66-6	Zinc	E200.8	mg/kg	124	31.1		9.1		24.2		35.1	

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Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 5 Sediment > 12

				sys_loc_code:	B6		B7		B9	
				loc_name:	Area-05		Area-05		Area-05	
				sys_sample_code:	B6 12-24		B7 12-24		B9 12-24	
				end_depth:	12-24 in		12-24 in		12-24 in	
				sample_date:	07/07/2009		07/23/2009		07/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
7429-90-5	Aluminum	E200.7	mg/kg	7740			905	J	852	J
7440-36-0	Antimony	E200.8	mg/kg	2	1.3		1.2	U	1.3	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389	12.6		0.54		0.33	
7440-39-3	Barium	E200.8	mg/kg	130.1	2.9	J	6.2	UJ	6.3	UJ
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.86		0.31	U	0.14	J
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.13	J	0.31	U	0.31	U
7440-70-2	Calcium	E200.7	mg/kg	NL			119	J	141	J
7440-47-3	Chromium	E200.8	mg/kg	52.3	17.7		1	J	2.9	
7440-48-4	Cobalt	E200.8	mg/kg	2.34	0.99		0.62	U	0.63	U
7440-50-8	Copper	E200.8	mg/kg	18.7	11.4		1.5		1.8	
7439-89-6	Iron	E200.7	mg/kg	2000			1060	J	720	J
7439-92-1	Lead	E200.8	mg/kg	30.2	44.4		2.7		3.5	
7439-95-4	Magnesium	E200.7	mg/kg	NL			288	J	161	J
7439-96-5	Manganese	E200.8	mg/kg	183	29.4		1.4		0.67	
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.23		0.037	U	0.039	
7440-02-0	Nickel	E200.8	mg/kg	15.9	3.9		0.62	U	0.63	U
7440-09-7	Potassium	E200.7	mg/kg	NL			622	UJ	626	UJ
7782-49-2	Selenium	E200.8	mg/kg	2	0.34	J	0.62	UJ	0.63	UJ
7440-22-4	Silver	E200.8	mg/kg	0.73	0.26	U	0.31	U	0.31	U
7440-23-5	Sodium	E200.7	mg/kg	NL			1520	J	626	UJ
7440-28-0	Thallium	E200.8	mg/kg	100000	0.53	U	0.62	U	0.63	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	43.3	J	2	J	0.36	J
7440-66-6	Zinc	E200.8	mg/kg	124	8.8	R	1.2	U	1.3	U

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Raritan Bay Slag Superfund Site
Remedial Investigation/Feasbility Study
Data Gap Technical Memorandum
Area 5 Sediment < 12

				sys_loc_code:	SED121		SED122		SED123		SED124	
				loc_name:	Area-05		Area-05		Area-05		Area-05	
				sys_sample_code:	RBS-SED121		RBS-SED122		RBS-SED123		RBS-SED124	
				depth:	0-3 in		0-3 in		0-3 in		0-3 in	
				sample_date:	04/21/2009		04/21/2009		04/21/2009		04/21/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	C200.7	mg/kg	7740	1130		1560		2120		1080	
7440-36-0	Antimony	C200.7	mg/kg	2	7.6	U	6.5	U	6.8	U	6.8	U
7440-38-2	Arsenic	C200.7	mg/kg	0.389	7.5		12.8		11.2		3.8	
7440-39-3	Barium	C200.7	mg/kg	130.1	1.9	J	2.5	J	8.3	J	2	J
7440-41-7	Beryllium	C200.7	mg/kg	15.6	0.29	J	0.36	J	0.85		0.2	J
7440-43-9	Cadmium	C200.7	mg/kg	0.68	0.99		1.3		1.7		0.64	
7440-70-2	Calcium	C200.7	mg/kg	NL	637	U	6490		2980		2680	
7440-47-3	Chromium	C200.7	mg/kg	52.3	14.4		7.7		21.5		15	
7440-48-4	Cobalt	C200.7	mg/kg	2.34	6.1	U	5.2	U	5.6	U	5.6	U
7440-50-8	Copper	C200.7	mg/kg	18.7	4.8		6.9		7.7		14	
7439-89-6	Iron	C200.7	mg/kg	2000	19500		25200		32300		14400	
7439-92-1	Lead	C200.7	mg/kg	30.2	23.2	J	16.7	J	40.5	J	14.4	J
7439-95-4	Magnesium	C200.7	mg/kg	NL	409	J	461	J	498	J	357	J
7439-96-5	Manganese	C200.7	mg/kg	183	39.2	J	75.6	J	56.9	J	36.4	J
7440-02-0	Nickel	C200.7	mg/kg	15.9	5.1	U	4.4	U	4.5	U	4.5	U
7440-09-7	Potassium	C200.7	mg/kg	NL	171	J	153	J	165	J	104	J
7782-49-2	Selenium	C200.7	mg/kg	2	1.7	J	2	J	2.6	J	1.1	J
7440-22-4	Silver	C200.7	mg/kg	0.73	1.2	U	1	U	1.1	U	1.1	U
7440-23-5	Sodium	C200.7	mg/kg	NL	1510		755		929		875	
7440-28-0	Thallium	C200.7	mg/kg	100000	3	UJ	2.6	UJ	2.8	UJ	2.8	UJ
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548	30.1		22.1		34.2		20.3	
7440-66-6	Zinc	C200.7	mg/kg	124	26.9	J	36.1		37.6		24.2	J

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Raritan Bay Slag Superfund Site
Remedial Investigation/Feasbility Study
Data Gap Technical Memorandum
Area 5 Sediment < 12

				sys_loc_code:	SED125		SED126		SED127		SED128	
				loc_name:	Area-05		Area-05		Area-05		Area-05	
				sys_sample_code:	RBS-SED125		RBS-SED126		RBS-SED127		RBS-SED128	
				depth:	0-3 in		0-3 in		0-3 in		0-3 in	
				sample_date:	04/21/2009		04/21/2009		04/21/2009		04/21/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	C200.7	mg/kg	7740	1020		1920		1450		1600	
7440-36-0	Antimony	C200.7	mg/kg	2	6.7	U	6.5	U	6.8	U	6.8	U
7440-38-2	Arsenic	C200.7	mg/kg	0.389	3.9		6.3		6.8		13.2	
7440-39-3	Barium	C200.7	mg/kg	130.1	1.9	J	3	J	10.5	J	30.4	
7440-41-7	Beryllium	C200.7	mg/kg	15.6	0.33	J	0.45	J	0.64		0.53	J
7440-43-9	Cadmium	C200.7	mg/kg	0.68	0.65		1.4		1.2		1.6	
7440-70-2	Calcium	C200.7	mg/kg	NL	836		1700		1080		1640	
7440-47-3	Chromium	C200.7	mg/kg	52.3	11.3		19.7		17.1		25.4	
7440-48-4	Cobalt	C200.7	mg/kg	2.34	5.3	U	5.1	U	3.5	J	0.72	J
7440-50-8	Copper	C200.7	mg/kg	18.7	2.8		23.2		49.3		12.9	
7439-89-6	Iron	C200.7	mg/kg	2000	15400		27200		23600		32900	
7439-92-1	Lead	C200.7	mg/kg	30.2	15	J	22.7	J	56.4	J	87.4	J
7439-95-4	Magnesium	C200.7	mg/kg	NL	295	J	484	J	396	J	461	J
7439-96-5	Manganese	C200.7	mg/kg	183	34.6	J	64.8	J	55.5	J	105	J
7440-02-0	Nickel	C200.7	mg/kg	15.9	4.4	U	4.3	U	14.6		4.5	U
7440-09-7	Potassium	C200.7	mg/kg	NL	124	J	146	J	118	J	153	J
7782-49-2	Selenium	C200.7	mg/kg	2	1.4	J	2.1	J	1.9	J	2.5	J
7440-22-4	Silver	C200.7	mg/kg	0.73	1.1	U	1	U	1.1	U	1.1	U
7440-23-5	Sodium	C200.7	mg/kg	NL	801		678		888		872	
7440-28-0	Thallium	C200.7	mg/kg	100000	2.7	UJ	2.6	UJ	2.7	UJ	2.8	UJ
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548	16.2		22.9		38.3		39.2	
7440-66-6	Zinc	C200.7	mg/kg	124	21.5	J	41.3		245		122	

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Raritan Bay Slag Superfund Site
Remedial Investigation/Feasbility Study
Data Gap Technical Memorandum
Area 5 Sediment < 12

				sys_loc_code:	SED129		SED130		SED131		SED132	
				loc_name:	Area-05		Area-05		Area-05		Area-05	
				sys_sample_code:	RBS-SED129		RBS-SED130		RBS-SED131		RBS-SED132	
				depth:	0-3 in		0-3 in		0-3 in		0-3 in	
				sample_date:	04/21/2009		04/21/2009		04/21/2009		04/21/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	C200.7	mg/kg	7740	1290		3100		1170		1490	
7440-36-0	Antimony	C200.7	mg/kg	2	6.7	U	7	U	7.3	U	8.1	U
7440-38-2	Arsenic	C200.7	mg/kg	0.389	3.8		8.1		6.6		2.9	
7440-39-3	Barium	C200.7	mg/kg	130.1	1.6	J	2.2	J	8.4	J	7.2	J
7440-41-7	Beryllium	C200.7	mg/kg	15.6	0.38	J	1		0.34	J	0.67	U
7440-43-9	Cadmium	C200.7	mg/kg	0.68	0.88		2.7		1.1		0.29	J
7440-70-2	Calcium	C200.7	mg/kg	NL	4540		2300		921		761	
7440-47-3	Chromium	C200.7	mg/kg	52.3	28.5		37.6		14.8		8	
7440-48-4	Cobalt	C200.7	mg/kg	2.34	5.4	U	5.6	U	6.1	U	6.5	U
7440-50-8	Copper	C200.7	mg/kg	18.7	4.5		7.2		8.1		9.6	
7439-89-6	Iron	C200.7	mg/kg	2000	18800		50900		21300		8230	
7439-92-1	Lead	C200.7	mg/kg	30.2	16.6	J	19.5	J	35.5	J	50.8	J
7439-95-4	Magnesium	C200.7	mg/kg	NL	311	J	625		481	J	568	J
7439-96-5	Manganese	C200.7	mg/kg	183	34.8	J	65.8	J	56.6	J	22.7	J
7440-02-0	Nickel	C200.7	mg/kg	15.9	4.5	U	5		4.9	U	5.4	U
7440-09-7	Potassium	C200.7	mg/kg	NL	87	J	191	J	174	J	327	J
7782-49-2	Selenium	C200.7	mg/kg	2	1.6	J	3.9	J	1.8	J	0.77	J
7440-22-4	Silver	C200.7	mg/kg	0.73	1.1	U	1.1	U	1.2	U	1.3	U
7440-23-5	Sodium	C200.7	mg/kg	NL	806		1160		1490		1310	
7440-28-0	Thallium	C200.7	mg/kg	100000	2.7	UJ	2.8	UJ	3.1	UJ	3.2	UJ
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548	18.8		66.5		26.8		14.2	
7440-66-6	Zinc	C200.7	mg/kg	124	29.7	J	52.7		39.8		38.2	J

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Remedial Investigation/Feasbility Study
Data Gap Technical Memorandum
Area 5 Sediment < 12

				sys_loc_code:	SED134		SED135		SED136		SED137	
				loc_name:	Area-05		Area-05		Area-05		Area-05	
				sys_sample_code:	RBS-SED134		RBS-SED135		RBS-SED136		RBS-SED137	
				depth:	0-3 in		0-3 in		0-3 in		0-3 in	
				sample_date:	04/21/2009		04/21/2009		04/21/2009		04/21/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	C200.7	mg/kg	7740	1010		1140		1700		1070	
7440-36-0	Antimony	C200.7	mg/kg	2	8.1	U	8.4	U	7.7	U	8	U
7440-38-2	Arsenic	C200.7	mg/kg	0.389	2.2		2.7		2.2		2.4	
7440-39-3	Barium	C200.7	mg/kg	130.1	5.2	J	5.8	J	3.5	J	5.7	J
7440-41-7	Beryllium	C200.7	mg/kg	15.6	0.67	U	0.7	U	0.64	U	0.67	U
7440-43-9	Cadmium	C200.7	mg/kg	0.68	0.14	J	0.11	J	0.15	J	0.11	J
7440-70-2	Calcium	C200.7	mg/kg	NL	882		701	U	2310		667	U
7440-47-3	Chromium	C200.7	mg/kg	52.3	5.6		6.2		5.8		5.9	
7440-48-4	Cobalt	C200.7	mg/kg	2.34	6.4	U	7	U	6.3	U	6.6	U
7440-50-8	Copper	C200.7	mg/kg	18.7	8.3		8.2		5.5		7.2	
7439-89-6	Iron	C200.7	mg/kg	2000	5210		5870		6000		5130	
7439-92-1	Lead	C200.7	mg/kg	30.2	39.5	J	44.7	J	28.8	J	30.9	J
7439-95-4	Magnesium	C200.7	mg/kg	NL	493	J	409	J	437	J	492	J
7439-96-5	Manganese	C200.7	mg/kg	183	18.5	J	29.5	J	21	J	27	J
7440-02-0	Nickel	C200.7	mg/kg	15.9	5.4	U	5.6	U	5.1	U	5.3	U
7440-09-7	Potassium	C200.7	mg/kg	NL	259	J	269	J	256	J	296	J
7782-49-2	Selenium	C200.7	mg/kg	2	4.5	U	0.48	J	0.64	J	4.6	U
7440-22-4	Silver	C200.7	mg/kg	0.73	1.3	U	1.4	U	1.3	U	1.3	U
7440-23-5	Sodium	C200.7	mg/kg	NL	2020		1200		1840		2090	
7440-28-0	Thallium	C200.7	mg/kg	100000	3.2	UJ	3.5	UJ	3.1	UJ	3.3	UJ
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548	10		11.7		11.6		9.9	
7440-66-6	Zinc	C200.7	mg/kg	124	25	J	27.9	J	21.9	J	20.1	J

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Data Gap Technical Memorandum
Area 5 Sediment < 12

				sys_loc_code:	SED138		SED139		SED140		SED141	
				loc_name:	Area-05		Area-05		Area-05		Area-05	
				sys_sample_code:	RBS-SED138		RBS-SED139		RBS-SED140		RBS-SED141	
				depth:	0-3 in		0-3 in		0-3 in		0-3 in	
				sample_date:	04/21/2009		04/21/2009		04/21/2009		04/21/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	C200.7	mg/kg	7740	1340		1270		1450		696	
7440-36-0	Antimony	C200.7	mg/kg	2	8.3	U	7.9	U	7.9	UJ	7.5	UJ
7440-38-2	Arsenic	C200.7	mg/kg	0.389	3.2		3		3.4		2.3	
7440-39-3	Barium	C200.7	mg/kg	130.1	6.2	J	7.4	J	5.2	J	3.2	J
7440-41-7	Beryllium	C200.7	mg/kg	15.6	0.69	U	0.66	U	0.65	U	0.62	U
7440-43-9	Cadmium	C200.7	mg/kg	0.68	0.16	J	0.3	J	0.52	J	0.18	J
7440-70-2	Calcium	C200.7	mg/kg	NL	693	U	658	U	3120		623	U
7440-47-3	Chromium	C200.7	mg/kg	52.3	6.3		9		10.2		5.7	
7440-48-4	Cobalt	C200.7	mg/kg	2.34	6.6	U	6.3	U	6.4	U	5.9	U
7440-50-8	Copper	C200.7	mg/kg	18.7	7.9		10.8		12.2		6.5	
7439-89-6	Iron	C200.7	mg/kg	2000	6400		7740		13300		5450	
7439-92-1	Lead	C200.7	mg/kg	30.2	49.9	J	41.6	J	50.4		41.9	
7439-95-4	Magnesium	C200.7	mg/kg	NL	597	J	400	J	570	J	353	J
7439-96-5	Manganese	C200.7	mg/kg	183	40.5	J	15	J	23.1		15.1	
7440-02-0	Nickel	C200.7	mg/kg	15.9	5.5	U	5.3	U	2.8	J	1.3	J
7440-09-7	Potassium	C200.7	mg/kg	NL	401	J	253	J	654	UJ	623	UJ
7782-49-2	Selenium	C200.7	mg/kg	2	0.57	J	0.63	J	1	J	0.49	J
7440-22-4	Silver	C200.7	mg/kg	0.73	0.087	J	1.3	U	1.3	U	1.2	U
7440-23-5	Sodium	C200.7	mg/kg	NL	2310		1600		1940		1580	
7440-28-0	Thallium	C200.7	mg/kg	100000	3.3	UJ	3.2	UJ	3.2	UJ	3	UJ
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548	12.3		14.1		16.3		9.6	
7440-66-6	Zinc	C200.7	mg/kg	124	29.4	J	41.9		34.5		19.1	

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Remedial Investigation/Feasbility Study
Data Gap Technical Memorandum
Area 5 Sediment < 12

				sys_loc_code:	SED142		SED143		SED144		SED145	
				loc_name:	Area-05		Area-05		Area-05		Area-05	
				sys_sample_code:	RBS-SED142		RBS-SED143		RBS-SED144		RBS-SED145	
				depth:	0-3 in		0-3 in		0-3 in		0-3 in	
				sample_date:	04/21/2009		04/21/2009		04/21/2009		04/21/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	C200.7	mg/kg	7740	1650		1710		1420		1790	
7440-36-0	Antimony	C200.7	mg/kg	2	7.1	UJ	7.4	UJ	47.1	J	13.5	J
7440-38-2	Arsenic	C200.7	mg/kg	0.389	4.9		5.2		25.3		16.1	
7440-39-3	Barium	C200.7	mg/kg	130.1	8.4	J	3.6	J	63.2		64.3	
7440-41-7	Beryllium	C200.7	mg/kg	15.6	0.59	U	0.62	U	0.6		0.59	U
7440-43-9	Cadmium	C200.7	mg/kg	0.68	0.56	J	0.9		0.86		0.78	
7440-70-2	Calcium	C200.7	mg/kg	NL	5860		18900		1860		2690	
7440-47-3	Chromium	C200.7	mg/kg	52.3	28.2		14.8		12.1		10.5	
7440-48-4	Cobalt	C200.7	mg/kg	2.34	1.6	J	0.59	J	5.9	U	5.8	U
7440-50-8	Copper	C200.7	mg/kg	18.7	25.5		12.4		26.1		13.9	
7439-89-6	Iron	C200.7	mg/kg	2000	13000		20800		20500		22000	
7439-92-1	Lead	C200.7	mg/kg	30.2	56.6		35		786		234	
7439-95-4	Magnesium	C200.7	mg/kg	NL	736	J	867	J	708	J	556	J
7439-96-5	Manganese	C200.7	mg/kg	183	30.7		43.7		84.6		108	
7440-02-0	Nickel	C200.7	mg/kg	15.9	5.5		3	J	4.5	J	2.4	J
7440-09-7	Potassium	C200.7	mg/kg	NL	594	UJ	616	UJ	611	UJ	586	UJ
7782-49-2	Selenium	C200.7	mg/kg	2	1	J	1.5	J	1.6	J	1.4	J
7440-22-4	Silver	C200.7	mg/kg	0.73	0.12	J	1.2	U	1.2	U	1.2	U
7440-23-5	Sodium	C200.7	mg/kg	NL	2040		1730		1300		1180	
7440-28-0	Thallium	C200.7	mg/kg	100000	2.9	UJ	3	UJ	2.9	UJ	2.9	UJ
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548	19.5		32.5		23.4		33.5	
7440-66-6	Zinc	C200.7	mg/kg	124	99.7		44.9		60.4		49.2	

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Raritan Bay Slag Superfund Site
Remedial Investigation/Feasbility Study
Data Gap Technical Memorandum
Area 5 Sediment < 12

				sys_loc_code:	SED146		SED147		SED148		SED149	
				loc_name:	Area-05		Area-05		Area-05		Area-05	
				sys_sample_code:	RBS-SED146		RBS-SED147		RBS-SED148		RBS-SED149	
				depth:	0-3 in		0-3 in		0-3 in		0-3 in	
				sample_date:	04/21/2009		04/21/2009		04/21/2009		04/21/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	C200.7	mg/kg	7740	690		1150		1500		2020	
7440-36-0	Antimony	C200.7	mg/kg	2	7.6	UJ	9.3	J	10.9	J	6.9	UJ
7440-38-2	Arsenic	C200.7	mg/kg	0.389	5.1		14		14.9		11.5	
7440-39-3	Barium	C200.7	mg/kg	130.1	2.9	J	13.2	J	42.7		7.3	J
7440-41-7	Beryllium	C200.7	mg/kg	15.6	0.64	U	0.61	U	0.59	U	0.57	U
7440-43-9	Cadmium	C200.7	mg/kg	0.68	0.35	J	0.85		1.1		1.4	
7440-70-2	Calcium	C200.7	mg/kg	NL	6860		1140		1830		2850	
7440-47-3	Chromium	C200.7	mg/kg	52.3	5.4		12.4		35.2		25.5	
7440-48-4	Cobalt	C200.7	mg/kg	2.34	4.5	U	5.8	U	5.8	U	5.7	U
7440-50-8	Copper	C200.7	mg/kg	18.7	7.9		11		15.2		13.8	
7439-89-6	Iron	C200.7	mg/kg	2000	9270		23600		27700		36600	
7439-92-1	Lead	C200.7	mg/kg	30.2	103		212		461		187	
7439-95-4	Magnesium	C200.7	mg/kg	NL	296	J	533	J	476	J	572	J
7439-96-5	Manganese	C200.7	mg/kg	183	27.1		55.3		68.6		57.9	
7440-02-0	Nickel	C200.7	mg/kg	15.9	1.4	J	2.4	J	3	J	3	J
7440-09-7	Potassium	C200.7	mg/kg	NL	635	UJ	613	UJ	590	UJ	571	UJ
7782-49-2	Selenium	C200.7	mg/kg	2	0.59	J	1.6	J	1.8	J	2.5	J
7440-22-4	Silver	C200.7	mg/kg	0.73	0.91	U	1.2	U	1.2	U	1.1	U
7440-23-5	Sodium	C200.7	mg/kg	NL	1060		1310		1400		1020	
7440-28-0	Thallium	C200.7	mg/kg	100000	2.3	UJ	2.9	UJ	2.9	UJ	2.8	UJ
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548	13.4		26.7		27.7		42.4	
7440-66-6	Zinc	C200.7	mg/kg	124	17.7		33.7		87.1		46.9	

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Raritan Bay Slag Superfund Site
Remedial Investigation/Feasbility Study
Data Gap Technical Memorandum
Area 5 Sediment < 12

				sys_loc_code:	SED150		SED151		SED152		SED154	
				loc_name:	Area-05		Area-05		Area-05		Area-05	
				sys_sample_code:	RBS-SED150		RBS-SED151		RBS-SED152		RBS-SED154	
				depth:	0-3 in		0-3 in		0-3 in		0-3 in	
				sample_date:	04/21/2009		04/21/2009		04/21/2009		04/21/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	C200.7	mg/kg	7740	942		1200		1640		1480	
7440-36-0	Antimony	C200.7	mg/kg	2	23.7	J	8.1	UJ	8.7	UJ	8.3	UJ
7440-38-2	Arsenic	C200.7	mg/kg	0.389	15.2		9.3		9.4		6.9	
7440-39-3	Barium	C200.7	mg/kg	130.1	25		10.1	J	10.1	J	8	J
7440-41-7	Beryllium	C200.7	mg/kg	15.6	0.58	U	0.67	U	0.72	U	0.69	U
7440-43-9	Cadmium	C200.7	mg/kg	0.68	0.68		0.46	J	0.43	J	0.56	J
7440-70-2	Calcium	C200.7	mg/kg	NL	763		2240		1520		863	
7440-47-3	Chromium	C200.7	mg/kg	52.3	6.8		10.5		10.7		8.9	
7440-48-4	Cobalt	C200.7	mg/kg	2.34	5.5	U	6.7	U	0.7	J	0.62	J
7440-50-8	Copper	C200.7	mg/kg	18.7	12.2		13.3		17.3		14.4	
7439-89-6	Iron	C200.7	mg/kg	2000	19400		11400		10000		11500	
7439-92-1	Lead	C200.7	mg/kg	30.2	1090		184		176		207	
7439-95-4	Magnesium	C200.7	mg/kg	NL	454	J	732	J	943	J	780	J
7439-96-5	Manganese	C200.7	mg/kg	183	71.3		54.6		51.7		35.2	
7440-02-0	Nickel	C200.7	mg/kg	15.9	2.5	J	2.6	J	3.4	J	3.3	J
7440-09-7	Potassium	C200.7	mg/kg	NL	575	UJ	673	UJ	723	UJ	693	UJ
7782-49-2	Selenium	C200.7	mg/kg	2	1.5	J	0.91	J	0.95	J	0.88	J
7440-22-4	Silver	C200.7	mg/kg	0.73	1.1	U	1.3	U	0.088	J	0.11	J
7440-23-5	Sodium	C200.7	mg/kg	NL	845		2190		2640		2360	
7440-28-0	Thallium	C200.7	mg/kg	100000	2.7	UJ	3.4	UJ	3.5	UJ	3.3	UJ
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548	20.4		17.1		17.5		17.9	
7440-66-6	Zinc	C200.7	mg/kg	124	37.1		50		61.1		51.9	

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Remedial Investigation/Feasbility Study
Data Gap Technical Memorandum
Area 5 Sediment < 12

				sys_loc_code:	SED155		SED156		SED157		SED158	
				loc_name:	Area-05		Area-05		Area-05		Area-05	
				sys_sample_code:	RBS-SED155		RBS-SED156		RBS-SED157		RBS-SED158	
				depth:	0-3 in		0-3 in		0-3 in		0-3 in	
				sample_date:	04/21/2009		04/21/2009		04/21/2009		04/21/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	C200.7	mg/kg	7740	1660		2610		3520		3630	
7440-36-0	Antimony	C200.7	mg/kg	2	7.5	UJ	11.6	J	10.1	UJ	37.7	J
7440-38-2	Arsenic	C200.7	mg/kg	0.389	24.2		11.3		16.3		38	
7440-39-3	Barium	C200.7	mg/kg	130.1	7.7	J	5.9	J	9.9	J	22.7	J
7440-41-7	Beryllium	C200.7	mg/kg	15.6	0.62	U	0.62	U	0.84	U	0.9	U
7440-43-9	Cadmium	C200.7	mg/kg	0.68	1.2		1.8		2.1		0.91	
7440-70-2	Calcium	C200.7	mg/kg	NL	4860		4160		2060		1310	
7440-47-3	Chromium	C200.7	mg/kg	52.3	20.4		37.3		77.8		18	
7440-48-4	Cobalt	C200.7	mg/kg	2.34	6.2	U	1.1	J	0.82	J	1.6	J
7440-50-8	Copper	C200.7	mg/kg	18.7	8.4		13.1		32.8		48.3	
7439-89-6	Iron	C200.7	mg/kg	2000	27400		44200		54500		18400	
7439-92-1	Lead	C200.7	mg/kg	30.2	44.9		216		224		838	
7439-95-4	Magnesium	C200.7	mg/kg	NL	407	J	799	J	1290	J	1650	J
7439-96-5	Manganese	C200.7	mg/kg	183	28.3		48.7		92.2		193	
7440-02-0	Nickel	C200.7	mg/kg	15.9	3.2	J	6.3		6.9		6.8	J
7440-09-7	Potassium	C200.7	mg/kg	NL	622	UJ	625	UJ	838	UJ	896	J
7782-49-2	Selenium	C200.7	mg/kg	2	2.1	J	3.4	J	4.4	J	1.9	J
7440-22-4	Silver	C200.7	mg/kg	0.73	1.2	U	1.2	U	0.25	J	0.17	J
7440-23-5	Sodium	C200.7	mg/kg	NL	1080		1610		3920		4410	
7440-28-0	Thallium	C200.7	mg/kg	100000	3.1	UJ	3	UJ	4	UJ	4.4	UJ
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548	44.9		37.2		47.1		27.7	
7440-66-6	Zinc	C200.7	mg/kg	124	62.5		90.9		108		73.1	

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Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 5 Surface Soils

				sys_loc_code:	S107		S109		S110	
				loc_name:	Area-05		Area-05		Area-05	
				sys_sample_code:	RBS-S107		RBS-S109		RBS-S110	
				depth:	0-2 in		0-2 in		0-2 in	
				sample_date:	04/20/2009		04/20/2009		04/20/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-Soil						
7429-90-5	Aluminum	C200.7	mg/kg	3900	994		815		996	
7440-36-0	Antimony	C200.7	mg/kg	0.142	6.2	U	6.2	U	6.2	U
7440-38-2	Arsenic	C200.7	mg/kg	0.389	4.2		5		5.3	
7440-39-3	Barium	C200.7	mg/kg	1.04	20.6	UJ	20.7	UJ	20.8	UJ
7440-41-7	Beryllium	C200.7	mg/kg	0.5	0.51	U	0.52	U	0.52	U
7440-43-9	Cadmium	C200.7	mg/kg	0.00222	0.029	J	0.023	J	0.52	U
7440-70-2	Calcium	C200.7	mg/kg	995	2370	J	2730		2710	
7440-47-3	Chromium	C200.7	mg/kg	0.4	13.2	J	7.2		13.5	
7440-48-4	Cobalt	C200.7	mg/kg	0.14	0.57	J	0.45	J	0.6	J
7440-50-8	Copper	C200.7	mg/kg	5.4	37.2		2.4	J	6.6	
7439-89-6	Iron	C200.7	mg/kg	5480	15100		11200		16200	
7439-92-1	Lead	C200.7	mg/kg	0.0537	17.9		22		24.4	
7439-95-4	Magnesium	C200.7	mg/kg	673	192	J	187	J	357	J
7439-96-5	Manganese	C200.7	mg/kg	42	32.7		39		45.6	
7440-02-0	Nickel	C200.7	mg/kg	12.3	1.4	J	0.79	J	1.1	J
7440-09-7	Potassium	C200.7	mg/kg	1750	514	UJ	516	UJ	519	UJ
7782-49-2	Selenium	C200.7	mg/kg	0.0276	0.32	J	0.34	J	3.6	U
7440-22-4	Silver	C200.7	mg/kg	1	1	UJ	1	UJ	1	U
7440-23-5	Sodium	C200.7	mg/kg	NL	514	U	516	U	519	U
7440-28-0	Thallium	C200.7	mg/kg	0.0569	2.6	U	2.6	U	2.6	U
7440-31-5	Tin	C200.7	mg/kg	NL						
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548	16.4		14.7		26.1	
7440-66-6	Zinc	C200.7	mg/kg	6.62	35	J	17.7	J	27.9	J

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				sys_loc_code:	S111		S112		S113		S114	
				loc_name:	Area-05		Area-05		Area-05		Area-05	
				sys_sample_code:	RBS-S111		RBS-S112		RBS-S113		RBS-S114	
				depth:	0-2 in		0-2 in		0-2 in		0-2 in	
				sample_date:	04/20/2009		04/20/2009		04/20/2009		04/20/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-Soil								
7429-90-5	Aluminum	C200.7	mg/kg	3900	711		618		970		672	
7440-36-0	Antimony	C200.7	mg/kg	0.142	6.2	U	6.2	U	6.2	U	6.3	U
7440-38-2	Arsenic	C200.7	mg/kg	0.389	3.9		3.2		4.6		3.1	
7440-39-3	Barium	C200.7	mg/kg	1.04	20.6	UJ	20.5	UJ	20.5	UJ	21.1	UJ
7440-41-7	Beryllium	C200.7	mg/kg	0.5	0.51	U	0.51	U	0.51	U	0.53	U
7440-43-9	Cadmium	C200.7	mg/kg	0.00222	0.51	U	0.51	U	0.51	U	0.53	U
7440-70-2	Calcium	C200.7	mg/kg	995	4260		683	J	1690	J	782	J
7440-47-3	Chromium	C200.7	mg/kg	0.4	7.2		4.8		10.1		6.5	
7440-48-4	Cobalt	C200.7	mg/kg	0.14	0.36	J	0.41	J	0.49	J	0.42	J
7440-50-8	Copper	C200.7	mg/kg	5.4	3		1.8	J	1.8	J	5.3	
7439-89-6	Iron	C200.7	mg/kg	5480	9960		9060		14300		8370	
7439-92-1	Lead	C200.7	mg/kg	0.0537	19.1		17.8		33.4		17.4	
7439-95-4	Magnesium	C200.7	mg/kg	673	170	J	164	J	211	J	149	J
7439-96-5	Manganese	C200.7	mg/kg	42	32.8		33.9		38.9		28.6	
7440-02-0	Nickel	C200.7	mg/kg	12.3	0.59	J	0.64	J	1.2	J	0.66	J
7440-09-7	Potassium	C200.7	mg/kg	1750	515	UJ	513	UJ	514	UJ	527	UJ
7782-49-2	Selenium	C200.7	mg/kg	0.0276	3.6	U	3.6	U	3.6	U	3.7	U
7440-22-4	Silver	C200.7	mg/kg	1	1	UJ	1.4		1	UJ	1.1	U
7440-23-5	Sodium	C200.7	mg/kg	NL	515	U	513	U	514	U	527	U
7440-28-0	Thallium	C200.7	mg/kg	0.0569	2.6	U	2.6	U	2.6	U	2.6	U
7440-31-5	Tin	C200.7	mg/kg	NL								
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548	14.3		11.2		15		10.2	
7440-66-6	Zinc	C200.7	mg/kg	6.62	14.4	J	15.4	J	23.6	J	14.9	J

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				sys_loc_code:	S115		S116		S117		S118	
				loc_name:	Area-05		Area-05		Area-05		Area-05	
				sys_sample_code:	RBS-S115		RBS-S116		RBS-S117		RBS-S118	
				depth:	0-2 in		0-2 in		0-2 in		0-2 in	
				sample_date:	04/20/2009		04/20/2009		04/20/2009		04/20/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-Soil								
7429-90-5	Aluminum	C200.7	mg/kg	3900	904		1130		818		562	
7440-36-0	Antimony	C200.7	mg/kg	0.142	6.2	U	6.1	U	6.2	U	6.2	U
7440-38-2	Arsenic	C200.7	mg/kg	0.389	3.1		5.3		7		2.5	
7440-39-3	Barium	C200.7	mg/kg	1.04	33.9	J	20.3	UJ	20.6	UJ	20.5	UJ
7440-41-7	Beryllium	C200.7	mg/kg	0.5	0.51	U	0.51	U	0.51	U	0.51	U
7440-43-9	Cadmium	C200.7	mg/kg	0.00222	0.51	U	0.51	U	0.51	U	0.51	U
7440-70-2	Calcium	C200.7	mg/kg	995	1950	J	2840		1300	J	3060	
7440-47-3	Chromium	C200.7	mg/kg	0.4	6.7		6.3		9.3		4.2	
7440-48-4	Cobalt	C200.7	mg/kg	0.14	0.45	J	0.6	J	0.5	J	0.35	J
7440-50-8	Copper	C200.7	mg/kg	5.4	10.1		2.5	J	2.7		2.2	J
7439-89-6	Iron	C200.7	mg/kg	5480	9310		14400		14300		6250	
7439-92-1	Lead	C200.7	mg/kg	0.0537	159		19.5		19.8		24.5	
7439-95-4	Magnesium	C200.7	mg/kg	673	214	J	207	J	200	J	154	J
7439-96-5	Manganese	C200.7	mg/kg	42	61.2		35.5		39.1		28.7	
7440-02-0	Nickel	C200.7	mg/kg	12.3	0.87	J	0.99	J	0.61	J	0.64	J
7440-09-7	Potassium	C200.7	mg/kg	1750	514	UJ	507	UJ	515	UJ	514	UJ
7782-49-2	Selenium	C200.7	mg/kg	0.0276	3.6	U	3.5	U	3.6	U	3.6	U
7440-22-4	Silver	C200.7	mg/kg	1	1.1		1.2	J	1	UJ	1	U
7440-23-5	Sodium	C200.7	mg/kg	NL	514	U	507	U	515	U	514	U
7440-28-0	Thallium	C200.7	mg/kg	0.0569	2.6	U	2.5	U	2.6	U	2.6	U
7440-31-5	Tin	C200.7	mg/kg	NL								
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548	11.6		19.3		15.4		9.5	
7440-66-6	Zinc	C200.7	mg/kg	6.62	43	J	23.3	J	18.5	J	14.6	J

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				sys_loc_code:	S119		S120		S122		S123	
				loc_name:	Area-05		Area-05		Area-05		Area-05	
				sys_sample_code:	RBS-S119		RBS-S120		RBS-S122		RBS-S123	
				depth:	0-2 in		0-2 in		0-2 in		0-2 in	
				sample_date:	04/20/2009		04/20/2009		04/20/2009		04/20/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-Soil								
7429-90-5	Aluminum	C200.7	mg/kg	3900	474	J	1250	J	1450	J	1020	J
7440-36-0	Antimony	C200.7	mg/kg	0.142	6.2	U	6.1	U	6.1	U	6.1	U
7440-38-2	Arsenic	C200.7	mg/kg	0.389	1.6		5.3		7.5		4.3	
7440-39-3	Barium	C200.7	mg/kg	1.04	1.6	J	8.2	J	5.9	J	8.3	J
7440-41-7	Beryllium	C200.7	mg/kg	0.5	0.078	J	0.33	J	0.48	J	0.33	J
7440-43-9	Cadmium	C200.7	mg/kg	0.00222	0.52	U	0.51	U	0.51	U	0.51	U
7440-70-2	Calcium	C200.7	mg/kg	995	256	J	540		850		1660	
7440-47-3	Chromium	C200.7	mg/kg	0.4	3.9		12.7		13.3		9.9	
7440-48-4	Cobalt	C200.7	mg/kg	0.14	0.29	J	0.76	J	1.1	J	0.49	J
7440-50-8	Copper	C200.7	mg/kg	5.4	6.6		6.1		6.6		3.6	
7439-89-6	Iron	C200.7	mg/kg	5480	4940		18800		24400		14700	
7439-92-1	Lead	C200.7	mg/kg	0.0537	20.6		53.8		93.1		36.2	
7439-95-4	Magnesium	C200.7	mg/kg	673	102	J	228	J	221	J	166	J
7439-96-5	Manganese	C200.7	mg/kg	42	27.8		35.4		44.1		30.8	
7440-02-0	Nickel	C200.7	mg/kg	12.3	0.68	J	1.9	J	1.9	J	1	J
7440-09-7	Potassium	C200.7	mg/kg	1750	517	U	510	U	510	U	508	U
7782-49-2	Selenium	C200.7	mg/kg	0.0276	3.6	U	0.44	J	0.4	J	0.38	J
7440-22-4	Silver	C200.7	mg/kg	1	1	UJ	1	UJ	1	UJ	1	UJ
7440-23-5	Sodium	C200.7	mg/kg	NL	517	U	510	U	510	U	508	U
7440-28-0	Thallium	C200.7	mg/kg	0.0569	2.6	U	2.5	U	2.6	U	2.5	U
7440-31-5	Tin	C200.7	mg/kg	NL								
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548	7		24.4		28.1		18	
7440-66-6	Zinc	C200.7	mg/kg	6.62	14.5		31.7	J	32.7		25	

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				sys_loc_code:	S124		S125		S126		S127	
				loc_name:	Area-05		Area-05		Area-05		Area-05	
				sys_sample_code:	RBS-S124		RBS-S125		RBS-S126		RBS-S127	
				depth:	0-2 in		0-2 in		0-2 in		0-2 in	
				sample_date:	04/20/2009		04/20/2009		04/20/2009		04/20/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-Soil								
7429-90-5	Aluminum	C200.7	mg/kg	3900	1480	J	2270	J	956	J	2030	J
7440-36-0	Antimony	C200.7	mg/kg	0.142	6.1	U	6.1	U	6.2	U	6.1	U
7440-38-2	Arsenic	C200.7	mg/kg	0.389	6.9		9.3		6.1		9	
7440-39-3	Barium	C200.7	mg/kg	1.04	1.4	J	4.1	J	3.2	J	1.4	J
7440-41-7	Beryllium	C200.7	mg/kg	0.5	0.5	J	0.78		0.35	J	0.56	
7440-43-9	Cadmium	C200.7	mg/kg	0.00222	0.03	J	0.078	J	0.012	J	0.031	J
7440-70-2	Calcium	C200.7	mg/kg	995	718		934		762		1990	
7440-47-3	Chromium	C200.7	mg/kg	0.4	12.7		19.7		10.5		30	
7440-48-4	Cobalt	C200.7	mg/kg	0.14	0.68	J	0.97	J	0.42	J	0.69	J
7440-50-8	Copper	C200.7	mg/kg	5.4	3.8		5.6		7.4		3.4	
7439-89-6	Iron	C200.7	mg/kg	5480	22800		37900		15000		28300	
7439-92-1	Lead	C200.7	mg/kg	0.0537	44.5		40.5		37		30	
7439-95-4	Magnesium	C200.7	mg/kg	673	222	J	385	J	421	J	261	J
7439-96-5	Manganese	C200.7	mg/kg	42	49.8		55.8		31		42	
7440-02-0	Nickel	C200.7	mg/kg	12.3	1.2	J	2.7	J	0.91	J	1.9	J
7440-09-7	Potassium	C200.7	mg/kg	1750	512	U	511	U	513	U	509	U
7782-49-2	Selenium	C200.7	mg/kg	0.0276	0.42	J	0.49	J	0.42	J	0.61	J
7440-22-4	Silver	C200.7	mg/kg	1	1.3	R	1	R	1	UJ	1	UJ
7440-23-5	Sodium	C200.7	mg/kg	NL	512	U	511	U	513	U	509	U
7440-28-0	Thallium	C200.7	mg/kg	0.0569	2.6	U	2.6	U	2.6	U	2.5	U
7440-31-5	Tin	C200.7	mg/kg	NL								
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548	30		37		17.1		43.1	
7440-66-6	Zinc	C200.7	mg/kg	6.62	29.1		37.5		23.1		33.8	

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				sys_loc_code:	S128		S129		S130		S131	
				loc_name:	Area-05		Area-05		Area-05		Area-05	
				sys_sample_code:	RBS-S128		RBS-S129		RBS-S130		RBS-S131	
				depth:	0-2 in		0-2 in		0-2 in		0-2 in	
				sample_date:	04/20/2009		04/20/2009		04/20/2009		04/20/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-Soil								
7429-90-5	Aluminum	C200.7	mg/kg	3900	2990	J	1610	J	1180	J	664	J
7440-36-0	Antimony	C200.7	mg/kg	0.142	6.1	U	6.1	U	6.2	U	6.3	U
7440-38-2	Arsenic	C200.7	mg/kg	0.389	16.5		8.1		6.2		2.7	
7440-39-3	Barium	C200.7	mg/kg	1.04	109	J	1.8	J	20.8	UJ	21	UJ
7440-41-7	Beryllium	C200.7	mg/kg	0.5	0.59		0.53		0.52	U	0.52	U
7440-43-9	Cadmium	C200.7	mg/kg	0.00222	0.075	J	0.041	J	0.52	U	0.52	U
7440-70-2	Calcium	C200.7	mg/kg	995	3270		7230		3320		124	J
7440-47-3	Chromium	C200.7	mg/kg	0.4	27		61.7		11.9		5.2	
7440-48-4	Cobalt	C200.7	mg/kg	0.14	1	J	0.57	J	0.62	J	0.47	J
7440-50-8	Copper	C200.7	mg/kg	5.4	7.9		13.6		2.3	J	2.8	
7439-89-6	Iron	C200.7	mg/kg	5480	48400		37800		20600		6600	
7439-92-1	Lead	C200.7	mg/kg	0.0537	199		13.7		18.3		25.7	
7439-95-4	Magnesium	C200.7	mg/kg	673	512		291	J	173	J	156	J
7439-96-5	Manganese	C200.7	mg/kg	42	181		46.6		49.9		30.4	
7440-02-0	Nickel	C200.7	mg/kg	12.3	1.7	J	0.7	J	1.2	J	0.89	J
7440-09-7	Potassium	C200.7	mg/kg	1750	509	U	506	U	520	U	525	U
7782-49-2	Selenium	C200.7	mg/kg	0.0276	0.62	J	0.89	J	0.31	J	3.7	U
7440-22-4	Silver	C200.7	mg/kg	1	1	UJ	1	UJ	1.9	J	1	UJ
7440-23-5	Sodium	C200.7	mg/kg	NL	509	U	506	U	22.4	J	6.9	J
7440-28-0	Thallium	C200.7	mg/kg	0.0569	2.5	U	2.5	U	2.6	U	2.6	U
7440-31-5	Tin	C200.7	mg/kg	NL								
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548	102		37.6		25		10.4	
7440-66-6	Zinc	C200.7	mg/kg	6.62	140		35.9		25.4		15.7	

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				sys_loc_code:	S132		S133		S134		S135	
				loc_name:	Area-05		Area-05		Area-05		Area-05	
				sys_sample_code:	RBS-S132		RBS-S133		RBS-S134		RBS-S135	
				depth:	0-2 in		0-2 in		0-2 in		0-2 in	
				sample_date:	04/20/2009		04/20/2009		04/20/2009		04/20/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-Soil								
7429-90-5	Aluminum	C200.7	mg/kg	3900	1050	J	806	J	1950	J	1130	J
7440-36-0	Antimony	C200.7	mg/kg	0.142	6.1	U	6.2	U	6.1	U	6.3	U
7440-38-2	Arsenic	C200.7	mg/kg	0.389	4.7		3.8		9.7		4.9	
7440-39-3	Barium	C200.7	mg/kg	1.04	20.3	UJ	20.5	UJ	20.3	UJ	20.9	UJ
7440-41-7	Beryllium	C200.7	mg/kg	0.5	0.51	U	0.51	U	0.75		0.52	U
7440-43-9	Cadmium	C200.7	mg/kg	0.00222	0.51	U	0.51	U	0.51	U	0.52	U
7440-70-2	Calcium	C200.7	mg/kg	995	775		566		434	J	308	J
7440-47-3	Chromium	C200.7	mg/kg	0.4	7.5		6.1		24.3		10.3	
7440-48-4	Cobalt	C200.7	mg/kg	0.14	0.56	J	0.52	J	1	J	0.53	J
7440-50-8	Copper	C200.7	mg/kg	5.4	3.9		4.9		12		11.9	
7439-89-6	Iron	C200.7	mg/kg	5480	14500		10000		34600		15600	
7439-92-1	Lead	C200.7	mg/kg	0.0537	42.5		27.6		30		24.5	
7439-95-4	Magnesium	C200.7	mg/kg	673	143	J	120	J	239	J	186	J
7439-96-5	Manganese	C200.7	mg/kg	42	30.1		27.4		62.9		27.3	
7440-02-0	Nickel	C200.7	mg/kg	12.3	1.3	J	1.1	J	1.8	J	1.5	J
7440-09-7	Potassium	C200.7	mg/kg	1750	508	U	513	U	509	U	524	U
7782-49-2	Selenium	C200.7	mg/kg	0.0276	3.6	U	3.6	U	3.6	U	3.7	U
7440-22-4	Silver	C200.7	mg/kg	1	1	UJ	1	UJ	2.8	J	1.8	J
7440-23-5	Sodium	C200.7	mg/kg	NL	508	U	513	U	509	U	524	U
7440-28-0	Thallium	C200.7	mg/kg	0.0569	2.5	U	2.6	U	2.5	U	2.6	U
7440-31-5	Tin	C200.7	mg/kg	NL								
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548	18.8		14.9		42.4		22	
7440-66-6	Zinc	C200.7	mg/kg	6.62	21.2		19.9		37.1		19.7	

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				sys_loc_code:	S136		S137		S138		S139	
				loc_name:	Area-05		Area-05		Area-05		Area-05	
				sys_sample_code:	RBS-S136		RBS-S137		RBS-S138		RBS-S139	
				depth:	0-2 in		0-2 in		0-2 in		0-2 in	
				sample_date:	04/20/2009		04/20/2009		04/20/2009		04/20/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-Soil								
7429-90-5	Aluminum	C200.7	mg/kg	3900	1300	J	1960	J	1820	J	2910	J
7440-36-0	Antimony	C200.7	mg/kg	0.142	6.2	U	0.36	J	6.4	U	6.3	UJ
7440-38-2	Arsenic	C200.7	mg/kg	0.389	6.7		4.7		7.3		9.2	J
7440-39-3	Barium	C200.7	mg/kg	1.04	20.7	UJ	21.1	UJ	21.3	UJ	4.7	J
7440-41-7	Beryllium	C200.7	mg/kg	0.5	0.52	U	0.53	U	0.53	U	0.52	U
7440-43-9	Cadmium	C200.7	mg/kg	0.00222	0.52	U	0.53	U	0.53	U	0.52	U
7440-70-2	Calcium	C200.7	mg/kg	995	444	J	307	J	18.6	J	524	U
7440-47-3	Chromium	C200.7	mg/kg	0.4	13.6		11.6		10.3		12.3	J
7440-48-4	Cobalt	C200.7	mg/kg	0.14	0.72	J	0.81	J	0.7	J	0.74	J
7440-50-8	Copper	C200.7	mg/kg	5.4	8.8		11		2	J	3.2	
7439-89-6	Iron	C200.7	mg/kg	5480	19100		13100		21700		32600	
7439-92-1	Lead	C200.7	mg/kg	0.0537	39.8		26.5		3		3.8	
7439-95-4	Magnesium	C200.7	mg/kg	673	194	J	217	J	214	J	437	J
7439-96-5	Manganese	C200.7	mg/kg	42	31.6		22.8		14.9		28.8	
7440-02-0	Nickel	C200.7	mg/kg	12.3	1.8	J	1.4	J	0.084	J	0.52	J
7440-09-7	Potassium	C200.7	mg/kg	1750	517	U	528	U	720		1240	
7782-49-2	Selenium	C200.7	mg/kg	0.0276	3.6	U	3.7	U	0.38	J	0.76	J
7440-22-4	Silver	C200.7	mg/kg	1	1.9	J	1.4	J	2.1	J	8.3	J
7440-23-5	Sodium	C200.7	mg/kg	NL	517	U	528	U	532	U	524	U
7440-28-0	Thallium	C200.7	mg/kg	0.0569	2.6	U	2.6	U	2.7	U	2.6	U
7440-31-5	Tin	C200.7	mg/kg	NL								
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548	28.7		22.4		36.7		45	
7440-66-6	Zinc	C200.7	mg/kg	6.62	30		19.1		9.7		12.7	J

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				sys_loc_code:	S140		S141		S142		S143	
				loc_name:	Area-05		Area-05		Area-06		Area-06	
				sys_sample_code:	RBS-S140		RBS-S141		RBS-S142		RBS-S143	
				depth:	0-2 in		0-2 in		0-2 in		0-2 in	
				sample_date:	04/20/2009		04/20/2009		04/20/2009		04/20/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-Soil								
7429-90-5	Aluminum	C200.7	mg/kg	3900	1180	J	1400	J	1710	J	1730	J
7440-36-0	Antimony	C200.7	mg/kg	0.142	6.3	UJ	6.1	UJ	6.1	UJ	6.3	UJ
7440-38-2	Arsenic	C200.7	mg/kg	0.389	3.4	J	2.7	J	2.4	J	2.1	J
7440-39-3	Barium	C200.7	mg/kg	1.04	3	J	3.1	J	2.8	J	6.1	J
7440-41-7	Beryllium	C200.7	mg/kg	0.5	0.52	U	0.51	U	0.51	U	0.53	U
7440-43-9	Cadmium	C200.7	mg/kg	0.00222	0.52	U	0.51	U	0.51	U	0.53	U
7440-70-2	Calcium	C200.7	mg/kg	995	522	U	1110		1830		915	
7440-47-3	Chromium	C200.7	mg/kg	0.4	7.9	J	6.1	J	7.3	J	5.3	J
7440-48-4	Cobalt	C200.7	mg/kg	0.14	0.4	J	1.2	J	1.3	J	1.1	J
7440-50-8	Copper	C200.7	mg/kg	5.4	2.8		1.6	J	1	J	7.7	
7439-89-6	Iron	C200.7	mg/kg	5480	12400		7030		6670		7460	
7439-92-1	Lead	C200.7	mg/kg	0.0537	6.2		3.5		1.7		9.2	
7439-95-4	Magnesium	C200.7	mg/kg	673	191	J	582		755		600	
7439-96-5	Manganese	C200.7	mg/kg	42	20.1		30.3		33.1		26.2	
7440-02-0	Nickel	C200.7	mg/kg	12.3	0.41	J	2.3	J	2.7	J	2.6	J
7440-09-7	Potassium	C200.7	mg/kg	1750	297	J	791		993		184	J
7782-49-2	Selenium	C200.7	mg/kg	0.0276	0.32	J	0.39	J	3.6	U	3.7	U
7440-22-4	Silver	C200.7	mg/kg	1	2.9	J	2.8	J	1.9	J	2.4	J
7440-23-5	Sodium	C200.7	mg/kg	NL	522	U	509	U	12	J	59.4	J
7440-28-0	Thallium	C200.7	mg/kg	0.0569	2.6	U	2.5	U	2.6	U	2.6	U
7440-31-5	Tin	C200.7	mg/kg	NL								
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548	18.9		8.8		8.7		11.1	
7440-66-6	Zinc	C200.7	mg/kg	6.62	6.5	J	8.8	J	8.5	J	19.6	J

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				sys_loc_code:	S144		S144		S148		S149	
				loc_name:	Area-05		Area-05		Area-05		Area-05	
				sys_sample_code:	RBS-S144		RBS-S145		RBS-S148		RBS-S149	
				depth:	0-2 in		0-2 in		0-2 in		0-2 in	
				sample_date:	04/20/2009		04/20/2009		04/21/2009		04/21/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-Soil								
7429-90-5	Aluminum	C200.7	mg/kg	3900	1710	J	1150	J	1250		499	
7440-36-0	Antimony	C200.7	mg/kg	0.142	0.23	J	1.3	J	25.2	J	9.1	J
7440-38-2	Arsenic	C200.7	mg/kg	0.389	6.9	J	6	J	20.7	J	8.7	J
7440-39-3	Barium	C200.7	mg/kg	1.04	6.8	J	4.5	J	20.2	J	9	J
7440-41-7	Beryllium	C200.7	mg/kg	0.5	0.52		0.51	U	0.61	U	0.53	U
7440-43-9	Cadmium	C200.7	mg/kg	0.00222	0.51	U	0.51	U	1.5	J	0.41	J
7440-70-2	Calcium	C200.7	mg/kg	995	2400	J	659	J	1280		532	U
7440-47-3	Chromium	C200.7	mg/kg	0.4	10.8	J	12.5	J	10.9		6.4	
7440-48-4	Cobalt	C200.7	mg/kg	0.14	0.59	J	0.62	J	0.76	J	5.3	U
7440-50-8	Copper	C200.7	mg/kg	5.4	5.8		8.7		31.4	J	10.8	J
7439-89-6	Iron	C200.7	mg/kg	5480	22400	J	14500	J	27900		9750	
7439-92-1	Lead	C200.7	mg/kg	0.0537	42.3		57.2		721		196	
7439-95-4	Magnesium	C200.7	mg/kg	673	510	U	510	U	424	J	174	J
7439-96-5	Manganese	C200.7	mg/kg	42	27.4		31.3		103		35.8	
7440-02-0	Nickel	C200.7	mg/kg	12.3	1.6	J	1.5	J	6.1	J	5.1	J
7440-09-7	Potassium	C200.7	mg/kg	1750	139	J	143	J	171	J	121	J
7782-49-2	Selenium	C200.7	mg/kg	0.0276	0.46	J	3.6	U	2.4	J	0.73	J
7440-22-4	Silver	C200.7	mg/kg	1	4.9	J	3.2	J	1.2	U	1.1	U
7440-23-5	Sodium	C200.7	mg/kg	NL	22.4	J	510	U	612	U	532	U
7440-28-0	Thallium	C200.7	mg/kg	0.0569	2.6	U	2.6	U	3	UJ	2.7	UJ
7440-31-5	Tin	C200.7	mg/kg	NL								
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548	20		19.1		33.6		8.2	
7440-66-6	Zinc	C200.7	mg/kg	6.62	25.6	J	39.7	J	64.9		19.8	

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				sys_loc_code:	S150		S151		S152		S153	
				loc_name:	Area-05		Area-05		Area-05		Area-05	
				sys_sample_code:	RBS-S150		RBS-S151		RBS-S152		RBS-S153	
				depth:	0-2 in		0-2 in		0-2 in		0-2 in	
				sample_date:	04/21/2009		04/21/2009		04/21/2009		04/21/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-Soil								
7429-90-5	Aluminum	C200.7	mg/kg	3900	928		1080		932		795	
7440-36-0	Antimony	C200.7	mg/kg	0.142	21.1	J	14.9	J	9.5	J	9	J
7440-38-2	Arsenic	C200.7	mg/kg	0.389	21.8	J	20.4	J	13.8	J	9.1	J
7440-39-3	Barium	C200.7	mg/kg	1.04	11.7	J	13.9	J	14.8	J	2.3	J
7440-41-7	Beryllium	C200.7	mg/kg	0.5	0.57	U	0.53	U	0.52	U	0.53	U
7440-43-9	Cadmium	C200.7	mg/kg	0.00222	0.67	J	0.99	J	0.96	J	0.55	J
7440-70-2	Calcium	C200.7	mg/kg	995	570	U	1140		521	U	695	
7440-47-3	Chromium	C200.7	mg/kg	0.4	8.1		9.6		17.1		12	
7440-48-4	Cobalt	C200.7	mg/kg	0.14	5.4	U	5.1	U	5.1	U	5.1	U
7440-50-8	Copper	C200.7	mg/kg	5.4	10.4	J	15.1	J	7.1	J	5.7	J
7439-89-6	Iron	C200.7	mg/kg	5480	15200		21400		20900		12400	
7439-92-1	Lead	C200.7	mg/kg	0.0537	192		388		167		176	
7439-95-4	Magnesium	C200.7	mg/kg	673	277	J	297	J	216	J	279	J
7439-96-5	Manganese	C200.7	mg/kg	42	47.2		60.5		77.8		30.9	
7440-02-0	Nickel	C200.7	mg/kg	12.3	4.6	UJ	4.3	UJ	4.2	UJ	4.3	UJ
7440-09-7	Potassium	C200.7	mg/kg	1750	128	J	131	J	105	J	110	J
7782-49-2	Selenium	C200.7	mg/kg	0.0276	1.1	J	1.6	J	1.7	J	0.7	J
7440-22-4	Silver	C200.7	mg/kg	1	1.1	U	1	U	1	U	1	U
7440-23-5	Sodium	C200.7	mg/kg	NL	570	U	532	U	521	U	532	U
7440-28-0	Thallium	C200.7	mg/kg	0.0569	2.7	UJ	2.5	UJ	2.6	UJ	2.6	UJ
7440-31-5	Tin	C200.7	mg/kg	NL								
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548	18.5		20.8		25		15.8	
7440-66-6	Zinc	C200.7	mg/kg	6.62	29.6		41.2		31		23.3	

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				sys_loc_code:	S154		S155		S156		S157	
				loc_name:	Area-05		Area-05		Area-05		Area-05	
				sys_sample_code:	RBS-S154		RBS-S155		RBS-S156		RBS-S157	
				depth:	0-2 in		0-2 in		0-2 in		0-2 in	
				sample_date:	04/21/2009		04/21/2009		04/21/2009		04/21/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-Soil								
7429-90-5	Aluminum	C200.7	mg/kg	3900	1120		400		952		656	
7440-36-0	Antimony	C200.7	mg/kg	0.142	11.4	J	7.1	UJ	18.4	J	25.6	J
7440-38-2	Arsenic	C200.7	mg/kg	0.389	17	J	1.5	J	24.4	J	20.4	J
7440-39-3	Barium	C200.7	mg/kg	1.04	11	J	1.5	J	18.8	J	9.4	J
7440-41-7	Beryllium	C200.7	mg/kg	0.5	0.52	U	0.59	U	0.52	U	0.52	U
7440-43-9	Cadmium	C200.7	mg/kg	0.00222	0.87	J	0.12	J	0.82	J	0.33	J
7440-70-2	Calcium	C200.7	mg/kg	995	822		588	U	519	U	524	U
7440-47-3	Chromium	C200.7	mg/kg	0.4	10.4		3.6		9.4		4.8	
7440-48-4	Cobalt	C200.7	mg/kg	0.14	5.1	U	5.7	U	5.1	U	5	U
7440-50-8	Copper	C200.7	mg/kg	5.4	11.4	J	2.3	J	14.2	J	12.1	J
7439-89-6	Iron	C200.7	mg/kg	5480	20200		4040		18400		9820	
7439-92-1	Lead	C200.7	mg/kg	0.0537	195		17.3		399		305	
7439-95-4	Magnesium	C200.7	mg/kg	673	324	J	93.4	J	192	J	147	J
7439-96-5	Manganese	C200.7	mg/kg	42	65.3		27.5		57.3		42.2	
7440-02-0	Nickel	C200.7	mg/kg	12.3	4.2	UJ	4.7	UJ	4.1	UJ	1.6	J
7440-09-7	Potassium	C200.7	mg/kg	1750	142	J	50.3	J	148	J	524	U
7782-49-2	Selenium	C200.7	mg/kg	0.0276	1.3	J	4	U	1.4	J	0.62	J
7440-22-4	Silver	C200.7	mg/kg	1	1	U	1.1	U	1	U	1	U
7440-23-5	Sodium	C200.7	mg/kg	NL	522	U	588	U	519	U	524	U
7440-28-0	Thallium	C200.7	mg/kg	0.0569	2.5	UJ	2.9	UJ	2.6	UJ	2.5	UJ
7440-31-5	Tin	C200.7	mg/kg	NL								
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548	22.1		6.7		25.6		14	
7440-66-6	Zinc	C200.7	mg/kg	6.62	35		12		41.5		26.6	

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				sys_loc_code:	S158		S159		S160		S162	
				loc_name:	Area-05		Area-05		Area-05		Area-05	
				sys_sample_code:	RBS-S158		RBS-S159		RBS-S160		RBS-S162	
				depth:	0-2 in		0-2 in		0-2 in		0-2 in	
				sample_date:	04/21/2009		04/21/2009		04/21/2009		04/21/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-Soil								
7429-90-5	Aluminum	C200.7	mg/kg	3900	544		1000		1250		1910	
7440-36-0	Antimony	C200.7	mg/kg	0.142	6.4	J	53.9	J	6	UJ	6.5	UJ
7440-38-2	Arsenic	C200.7	mg/kg	0.389	7.8	J	43.8	J	3	J	6.4	J
7440-39-3	Barium	C200.7	mg/kg	1.04	4.8	J	44.6		3.5	J	3.2	J
7440-41-7	Beryllium	C200.7	mg/kg	0.5	0.52	U	0.53	U	0.55	U	0.54	U
7440-43-9	Cadmium	C200.7	mg/kg	0.00222	0.22	J	0.99		0.096	J	0.15	J
7440-70-2	Calcium	C200.7	mg/kg	995	741		529	U	1400		1990	
7440-47-3	Chromium	C200.7	mg/kg	0.4	4.4		13.7		6.4		6.4	
7440-48-4	Cobalt	C200.7	mg/kg	0.14	5.2	U	0.56	J	0.75	J	1	J
7440-50-8	Copper	C200.7	mg/kg	5.4	6.2	J	43.4	J	3.7	J	58.9	J
7439-89-6	Iron	C200.7	mg/kg	5480	7100		18900		4880		5660	
7439-92-1	Lead	C200.7	mg/kg	0.0537	128		771		12.7		27.8	
7439-95-4	Magnesium	C200.7	mg/kg	673	169	J	185	J	636		639	
7439-96-5	Manganese	C200.7	mg/kg	42	30		74.1		44.5		33.3	
7440-02-0	Nickel	C200.7	mg/kg	12.3	1.5	J	6.7	J	3.1	J	3.4	J
7440-09-7	Potassium	C200.7	mg/kg	1750	522	U	161	J	565		657	
7782-49-2	Selenium	C200.7	mg/kg	0.0276	0.41	J	1.6	J	0.32	J	0.4	J
7440-22-4	Silver	C200.7	mg/kg	1	1	U	1.1	U	1.1	U	1	U
7440-23-5	Sodium	C200.7	mg/kg	NL	522	U	529	U	545	U	539	U
7440-28-0	Thallium	C200.7	mg/kg	0.0569	2.6	UJ	2.6	UJ	2.7	UJ	2.6	UJ
7440-31-5	Tin	C200.7	mg/kg	NL								
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548	10.1		16.9		6.2		7.6	
7440-66-6	Zinc	C200.7	mg/kg	6.62	20		64.8		11.2		10.9	

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				sys_loc_code:	S210		S210		S210		S210	
				loc_name:	Area-05		Area-05		Area-05		Area-05	
				sys_sample_code:	RBS-S210A		RBS-S210B		RBS-S210C		RBS-S210D	
				depth:	0-2 in		6-12 in		12-18 in		18-24 in	
				sample_date:	04/23/2009		04/23/2009		04/23/2009		04/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-Soil								
7429-90-5	Aluminum	C200.7	mg/kg	3900	790		1200		990		650	
7440-36-0	Antimony	C200.7	mg/kg	0.142	0.7	J	1.2	J	1	J	6.3	U
7440-38-2	Arsenic	C200.7	mg/kg	0.389	3.3	J	6.8	J	5.6	J	2.8	
7440-39-3	Barium	C200.7	mg/kg	1.04	3.8	J	3.2	J	3.6	J	1.9	J
7440-41-7	Beryllium	C200.7	mg/kg	0.5	0.23	J	0.62		0.33	J	0.52	U
7440-43-9	Cadmium	C200.7	mg/kg	0.00222	0.5	U	0.52	U	0.51	U	0.6	
7440-70-2	Calcium	C200.7	mg/kg	995	1410		712		392	J	524	U
7440-47-3	Chromium	C200.7	mg/kg	0.4	9.8		12.9		13.6		6.1	J
7440-48-4	Cobalt	C200.7	mg/kg	0.14	0.6	J	1.9	J	0.73	J	5.2	U
7440-50-8	Copper	C200.7	mg/kg	5.4	7.5	J	10.6	J	5.7	J	14.7	J
7439-89-6	Iron	C200.7	mg/kg	5480	10100		24700		18200		9940	
7439-92-1	Lead	C200.7	mg/kg	0.0537	25	R	30.8	R	32.5	R	19.8	J
7439-95-4	Magnesium	C200.7	mg/kg	673	226	J	313	J	275	J	524	U
7439-96-5	Manganese	C200.7	mg/kg	42	38.3		69.7		41.5		27.4	J
7440-02-0	Nickel	C200.7	mg/kg	12.3	1.7	J	5.3		2.5	J	1.4	J
7440-09-7	Potassium	C200.7	mg/kg	1750	87.6	J	104	J	76.4	J	524	UJ
7782-49-2	Selenium	C200.7	mg/kg	0.0276	3.5	U	3.6	U	3.6	U	0.78	J
7440-22-4	Silver	C200.7	mg/kg	1	1	U	1	U	1	U	1	U
7440-23-5	Sodium	C200.7	mg/kg	NL	454	J	420	J	405	J	524	U
7440-28-0	Thallium	C200.7	mg/kg	0.0569	2.5	U	2.6	U	2.5	U	2.6	UJ
7440-31-5	Tin	C200.7	mg/kg	NL								
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548	14.2		25.1		21.8		13.3	J
7440-66-6	Zinc	C200.7	mg/kg	6.62	23.9	J	48.6	J	32	J	19.3	J

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				sys_loc_code:	S211		S211		S211		S211	
				loc_name:	Area-05		Area-05		Area-05		Area-05	
				sys_sample_code:	RBS-S211A		RBS-S211C		RBS-S211D		RBS-S211E	
				depth:	0-2 in		6-12 in		12-18 in		18-24 in	
				sample_date:	04/23/2009		04/23/2009		04/23/2009		04/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-Soil								
7429-90-5	Aluminum	C200.7	mg/kg	3900	945		1260		816		1120	
7440-36-0	Antimony	C200.7	mg/kg	0.142	6.2	U	6.3	U	6.3	U	6.3	U
7440-38-2	Arsenic	C200.7	mg/kg	0.389	5.3		4.5		6.9		4.1	
7440-39-3	Barium	C200.7	mg/kg	1.04	6.4	J	2.5	J	1.1	J	1.2	J
7440-41-7	Beryllium	C200.7	mg/kg	0.5	0.52	U	0.52	U	0.53	U	0.52	U
7440-43-9	Cadmium	C200.7	mg/kg	0.00222	1.1		1.3		0.75		0.94	
7440-70-2	Calcium	C200.7	mg/kg	995	6140	R	935		543		1140	R
7440-47-3	Chromium	C200.7	mg/kg	0.4	20.2	J	15.3	J	5.8	J	8.2	J
7440-48-4	Cobalt	C200.7	mg/kg	0.14	5.2	U	5.2	U	0.53	J	5	U
7440-50-8	Copper	C200.7	mg/kg	5.4	4	J	5.2	J	4.1	J	4.7	J
7439-89-6	Iron	C200.7	mg/kg	5480	15800		20900		12600		15900	
7439-92-1	Lead	C200.7	mg/kg	0.0537	32.2	J	35.8	J	28.8	J	16.5	J
7439-95-4	Magnesium	C200.7	mg/kg	673	518	U	640		528	U	523	U
7439-96-5	Manganese	C200.7	mg/kg	42	40.1	J	21.1	J	24.3	J	32.5	J
7440-02-0	Nickel	C200.7	mg/kg	12.3	1.6	J	2	J	1.8	J	1.7	J
7440-09-7	Potassium	C200.7	mg/kg	1750	518	UJ	524	UJ	528	UJ	523	UJ
7782-49-2	Selenium	C200.7	mg/kg	0.0276	1.5	J	1.9	J	1	J	1.2	J
7440-22-4	Silver	C200.7	mg/kg	1	1	U	1	U	1	U	1	U
7440-23-5	Sodium	C200.7	mg/kg	NL	518	U	524	U	528	U	523	U
7440-28-0	Thallium	C200.7	mg/kg	0.0569	2.6	UJ	2.6	UJ	2.5	UJ	2.5	UJ
7440-31-5	Tin	C200.7	mg/kg	NL								
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548	27.3		21.7	J	18.3	J	18.6	J
7440-66-6	Zinc	C200.7	mg/kg	6.62	26.5	J	26.9	J	17.2	J	22.9	J

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				sys_loc_code:	S212		S212		S212		S212	
				loc_name:	Area-05		Area-05		Area-05		Area-05	
				sys_sample_code:	RBS-S212A		RBS-S212B		RBS-S212C		RBS-S212D	
				depth:	0-2 in		6-12 in		12-18 in		18-24 in	
				sample_date:	04/23/2009		04/23/2009		04/23/2009		04/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-Soil								
7429-90-5	Aluminum	C200.7	mg/kg	3900	1200		1060		1240		1660	
7440-36-0	Antimony	C200.7	mg/kg	0.142	6.3	U	6.3	U	6.3	U	6.4	U
7440-38-2	Arsenic	C200.7	mg/kg	0.389	4.8		5.7		4.6		25.7	
7440-39-3	Barium	C200.7	mg/kg	1.04	1.9	J	2.4	J	7.7	J	5	J
7440-41-7	Beryllium	C200.7	mg/kg	0.5	0.53	U	0.53	U	0.52	U	0.8	
7440-43-9	Cadmium	C200.7	mg/kg	0.00222	0.82		1		1.2		1.6	
7440-70-2	Calcium	C200.7	mg/kg	995	1350		1920		664		2530	
7440-47-3	Chromium	C200.7	mg/kg	0.4	11.1	J	14.2	J	11.4	J	17	J
7440-48-4	Cobalt	C200.7	mg/kg	0.14	5	U	5.2	U	5.2	U	2	J
7440-50-8	Copper	C200.7	mg/kg	5.4	5.1	J	5	J	17.8	J	8.1	J
7439-89-6	Iron	C200.7	mg/kg	5480	15400		17800		21000		28800	
7439-92-1	Lead	C200.7	mg/kg	0.0537	17	J	24.4	J	47.5	J	28.4	J
7439-95-4	Magnesium	C200.7	mg/kg	673	210	J	288	J	277	J	363	J
7439-96-5	Manganese	C200.7	mg/kg	42	33	J	38.6	J	28.8	J	47.8	J
7440-02-0	Nickel	C200.7	mg/kg	12.3	1.5	J	1.9	J	1.8	J	5	
7440-09-7	Potassium	C200.7	mg/kg	1750	525	UJ	527	UJ	524	UJ	535	UJ
7782-49-2	Selenium	C200.7	mg/kg	0.0276	1.2	J	1.4	J	1.7	J	2.3	J
7440-22-4	Silver	C200.7	mg/kg	1	1	U	1	U	1	U	1	U
7440-23-5	Sodium	C200.7	mg/kg	NL	525	U	527	U	524	J	905	
7440-28-0	Thallium	C200.7	mg/kg	0.0569	2.5	UJ	2.6	UJ	2.6	UJ	2.6	UJ
7440-31-5	Tin	C200.7	mg/kg	NL								
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548	20	J	24.6	J	26		45	
7440-66-6	Zinc	C200.7	mg/kg	6.62	21.6	J	37.8	J	26.6	J	32.6	J

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				sys_loc_code:	S213		S213		S213		S213	
				loc_name:	Area-05		Area-05		Area-05		Area-05	
				sys_sample_code:	RBS-S213A		RBS-S213B		RBS-S213C		RBS-S213D	
				depth:	0-2 in		6-12 in		12-18 in		18-24 in	
				sample_date:	04/23/2009		04/23/2009		04/23/2009		04/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-Soil								
7429-90-5	Aluminum	C200.7	mg/kg	3900	1030		720		1090		864	J
7440-36-0	Antimony	C200.7	mg/kg	0.142	15.7		6.8	U	7.3	U	7.5	U
7440-38-2	Arsenic	C200.7	mg/kg	0.389	13.9		6.2		8.2		4.7	
7440-39-3	Barium	C200.7	mg/kg	1.04	21.5		9	J	3.4	J	1.7	J
7440-41-7	Beryllium	C200.7	mg/kg	0.5	0.53	U	0.57	U	0.61	U	0.59	U
7440-43-9	Cadmium	C200.7	mg/kg	0.00222	1.1		0.6		1.1		0.56	J
7440-70-2	Calcium	C200.7	mg/kg	995	526	U	565	U	607	U	622	R
7440-47-3	Chromium	C200.7	mg/kg	0.4	7.5	J	6.4	J	8.1	J	5.7	
7440-48-4	Cobalt	C200.7	mg/kg	0.14	5	U	5.5	U	5.8	U	5.9	U
7440-50-8	Copper	C200.7	mg/kg	5.4	18.7	J	8.7	J	5.3	J	2.5	J
7439-89-6	Iron	C200.7	mg/kg	5480	20000		11100		19300		13000	
7439-92-1	Lead	C200.7	mg/kg	0.0537	364	J	148	J	69.5	J	5.1	
7439-95-4	Magnesium	C200.7	mg/kg	673	317	J	205	J	457	J	346	J
7439-96-5	Manganese	C200.7	mg/kg	42	59.9	J	18.5	J	17.5	J	9.3	
7440-02-0	Nickel	C200.7	mg/kg	12.3	2.4	J	1.5	J	1.4	J	0.61	J
7440-09-7	Potassium	C200.7	mg/kg	1750	526	UJ	565	UJ	607	UJ	340	J
7782-49-2	Selenium	C200.7	mg/kg	0.0276	1.6	J	0.95	J	1.8	J	1.3	J
7440-22-4	Silver	C200.7	mg/kg	1	1	U	1.1	U	1.2	U	1.2	U
7440-23-5	Sodium	C200.7	mg/kg	NL	526	U	565	U	1170		1350	
7440-28-0	Thallium	C200.7	mg/kg	0.0569	2.5	UJ	2.8	UJ	2.9	UJ	3	UJ
7440-31-5	Tin	C200.7	mg/kg	NL								
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548	26.7		17.4	J	23.5	J	21.5	
7440-66-6	Zinc	C200.7	mg/kg	6.62	32.8	J	15	J	15.1	J	5.3	J

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				sys_loc_code:	S27		S28		S29		S30	
				loc_name:	Area-05		Area-05		Area-05		Area-05	
				sys_sample_code:	RBS-S27		RBS-S28		RBS-S29		RBS-S30	
				depth:	0-2 in		0-2 in		0-2 in		0-2 in	
				sample_date:	09/11/2008		09/11/2008		09/11/2008		09/11/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-Soil								
7429-90-5	Aluminum	C200.7	mg/kg	3900	1150	J	1060	J	3190	J	2470	J
7440-36-0	Antimony	C200.7	mg/kg	0.142	15.4	R	8.1	R	13	R	8.5	R
7440-38-2	Arsenic	C200.7	mg/kg	0.389	14.5	R	10.4	R	37.5	R	13.8	R
7440-39-3	Barium	C200.7	mg/kg	1.04	39.4	J	20.8	UJ	45.2	UJ	47.3	J
7440-41-7	Beryllium	C200.7	mg/kg	0.5	0.53	U	0.52	U	1.1	UJ	0.71	U
7440-43-9	Cadmium	C200.7	mg/kg	0.00222	0.53	UJ	0.52	UJ	1.1	UJ	0.71	UJ
7440-70-2	Calcium	C200.7	mg/kg	995	1640	J	546	J	10400	J	8940	
7440-47-3	Chromium	C200.7	mg/kg	0.4	6.1		7.7		42.1	J	19.5	
7440-48-4	Cobalt	C200.7	mg/kg	0.14	5.3	UJ	5.2	UJ	11.3	UJ	7.1	UJ
7440-50-8	Copper	C200.7	mg/kg	5.4	16.6	J	10.3	J	75.7	J	26.1	J
7439-89-6	Iron	C200.7	mg/kg	5480	9200	J	15500	J	23200	J	24000	J
7439-92-1	Lead	C200.7	mg/kg	0.0537	459	J	235	J	935	J	365	J
7439-95-4	Magnesium	C200.7	mg/kg	673	527	UJ	520	UJ	4130	J	1590	J
7439-96-5	Manganese	C200.7	mg/kg	42	75.4	J	42.7	J	216	J	87.2	J
7440-02-0	Nickel	C200.7	mg/kg	12.3	4.2	U	4.2	U	10.7	J	5.7	U
7440-09-7	Potassium	C200.7	mg/kg	1750	281	J	190	J	1130	J	423	J
7782-49-2	Selenium	C200.7	mg/kg	0.0276	3.7	UJ	0.76	J	2.4	J	1.2	J
7440-22-4	Silver	C200.7	mg/kg	1	1	U	1	U	2.3	UJ	1.4	U
7440-23-5	Sodium	C200.7	mg/kg	NL	527	UJ	520	UJ	8610	J	2240	J
7440-28-0	Thallium	C200.7	mg/kg	0.0569	2.6	U	2.6	U	5.6	UJ	3.5	U
7440-31-5	Tin	C200.7	mg/kg	NL	23.5	J	13.2	J	22.6	UJ	17.7	J
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548	10.5	J	18.7	J	42.4	J	34.3	J
7440-66-6	Zinc	C200.7	mg/kg	6.62	42.2	J	29.6	J	173	J	53.7	J

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				sys_loc_code:	S31		S32		S33		S34	
				loc_name:	Area-05		Area-05		Area-05		Area-05	
				sys_sample_code:	RBS-S31		RBS-S32		RBS-S33		RBS-S34	
				depth:	0-2 in		0-2 in		0-2 in		0-2 in	
				sample_date:	09/11/2008		09/11/2008		09/11/2008		09/11/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-Soil								
7429-90-5	Aluminum	C200.7	mg/kg	3900	748	J	1310	J	820	J	1650	J
7440-36-0	Antimony	C200.7	mg/kg	0.142	3.6	R	7.7	R	9.8	R	14.4	R
7440-38-2	Arsenic	C200.7	mg/kg	0.389	4.5	R	10.3	R	9.4	R	35.4	R
7440-39-3	Barium	C200.7	mg/kg	1.04	25.5	UJ	26.4	UJ	22.3	J	23.7	UJ
7440-41-7	Beryllium	C200.7	mg/kg	0.5	0.64	U	0.66	U	0.52	U	0.59	U
7440-43-9	Cadmium	C200.7	mg/kg	0.00222	0.64	UJ	0.66	UJ	0.52	UJ	0.59	UJ
7440-70-2	Calcium	C200.7	mg/kg	995	875	J	1610	J	758	J	9130	
7440-47-3	Chromium	C200.7	mg/kg	0.4	4		9.2		5.6		17.9	
7440-48-4	Cobalt	C200.7	mg/kg	0.14	6.4	UJ	6.6	UJ	5.2	UJ	5.9	UJ
7440-50-8	Copper	C200.7	mg/kg	5.4	8.6	J	8.4	J	9.4	J	26.4	J
7439-89-6	Iron	C200.7	mg/kg	5480	5330	J	11300	J	7940	J	22900	J
7439-92-1	Lead	C200.7	mg/kg	0.0537	111	J	215	J	217	J	285	J
7439-95-4	Magnesium	C200.7	mg/kg	673	638	UJ	660	UJ	520	UJ	1150	J
7439-96-5	Manganese	C200.7	mg/kg	42	15.2	J	20.6	J	38.1	J	119	J
7440-02-0	Nickel	C200.7	mg/kg	12.3	5.1	U	5.3	U	4.2	U	4.7	U
7440-09-7	Potassium	C200.7	mg/kg	1750	343	J	351	J	170	J	301	J
7782-49-2	Selenium	C200.7	mg/kg	0.0276	4.5	UJ	0.65	J	0.41	J	0.96	J
7440-22-4	Silver	C200.7	mg/kg	1	1.3	U	1.3	U	1	U	1.2	U
7440-23-5	Sodium	C200.7	mg/kg	NL	1910	J	2140	J	520	UJ	592	UJ
7440-28-0	Thallium	C200.7	mg/kg	0.0569	3.2	U	3.3	U	2.6	U	3	U
7440-31-5	Tin	C200.7	mg/kg	NL	12.8	UJ	13.2	UJ	12.1	J	11.8	UJ
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548	8.1	J	20.7	J	11.5	J	32.8	J
7440-66-6	Zinc	C200.7	mg/kg	6.62	18.4	J	34.2	J	30.4	J	66	J

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				sys_loc_code:	S35		S36	
				loc_name:	Area-05		Area-05	
				sys_sample_code:	RBS-S35		RBS-S36	
				depth:	0-2 in		0-2 in	
				sample_date:	09/11/2008		09/11/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-Soil				
7429-90-5	Aluminum	C200.7	mg/kg	3900	2070	J	577	J
7440-36-0	Antimony	C200.7	mg/kg	0.142	5.1	R	3.9	R
7440-38-2	Arsenic	C200.7	mg/kg	0.389	11.3	R	4.7	R
7440-39-3	Barium	C200.7	mg/kg	1.04	24.4	UJ	20.8	UJ
7440-41-7	Beryllium	C200.7	mg/kg	0.5	0.61	U	0.52	U
7440-43-9	Cadmium	C200.7	mg/kg	0.00222	0.61	UJ	0.52	UJ
7440-70-2	Calcium	C200.7	mg/kg	995	4530		519	UJ
7440-47-3	Chromium	C200.7	mg/kg	0.4	10.2		3.2	
7440-48-4	Cobalt	C200.7	mg/kg	0.14	6.1	UJ	5.2	UJ
7440-50-8	Copper	C200.7	mg/kg	5.4	14.9	J	4.2	J
7439-89-6	Iron	C200.7	mg/kg	5480	17100	J	5630	J
7439-92-1	Lead	C200.7	mg/kg	0.0537	190	J	109	J
7439-95-4	Magnesium	C200.7	mg/kg	673	770	J	519	UJ
7439-96-5	Manganese	C200.7	mg/kg	42	47.4	J	29.7	J
7440-02-0	Nickel	C200.7	mg/kg	12.3	4.9	U	4.2	U
7440-09-7	Potassium	C200.7	mg/kg	1750	346	J	159	J
7782-49-2	Selenium	C200.7	mg/kg	0.0276	0.97	J	0.43	J
7440-22-4	Silver	C200.7	mg/kg	1	1.2	U	1	U
7440-23-5	Sodium	C200.7	mg/kg	NL	1690	J	519	UJ
7440-28-0	Thallium	C200.7	mg/kg	0.0569	3	U	2.6	U
7440-31-5	Tin	C200.7	mg/kg	NL	12.2	UJ	10.4	UJ
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548	27.7	J	9.6	J
7440-66-6	Zinc	C200.7	mg/kg	6.62	63.2	J	18	J

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				sys_loc_code:	SW30		SW31		SW32		SW33	
				loc_name:	Area-05		Area-05		Area-05		Area-05	
				sys_sample_code:	RBS-SW30		RBS-SW31		RBS-SW32		RBS-SW33	
				sample_date:	04/21/2009		04/21/2009		04/21/2009		04/21/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SW								
7429-90-5	Aluminum	C200.7	ug/l	87	1010		2110		790		4020	
7440-36-0	Antimony	C200.7	ug/l	500	3.8	J	10.1	J	3.5	J	26.2	J
7440-38-2	Arsenic	C200.7	ug/l	12.5	5.9	J	10.9		6.2	J	27.9	
7440-39-3	Barium	C200.7	ug/l	4	21.6	J	25.6	J	21.6	J	36.8	J
7440-41-7	Beryllium	C200.7	ug/l	0.66	5	U	5	U	5	U	5	U
7440-43-9	Cadmium	C200.7	ug/l	0.12	5	U	5	U	5	U	5	U
7440-70-2	Calcium	C200.7	ug/l	116000	209000		209000		209000		211000	
7440-47-3	Chromium	C200.7	ug/l	57.5	3	J	7	J	2.2	J	19.5	
7440-48-4	Cobalt	C200.7	ug/l	23	1.4	J	2.2	J	1.4	J	4.4	J
7440-50-8	Copper	C200.7	ug/l	3.1	9.2	J	18.6	J	8	J	49.4	
7439-89-6	Iron	C200.7	ug/l	300	2860	J	6370	J	2060	J	14400	J
7439-92-1	Lead	C200.7	ug/l	8.1	74.6		157		67.9		519	
7439-95-4	Magnesium	C200.7	ug/l	82000	628000		631000		628000		628000	
7439-96-5	Manganese	C200.7	ug/l	120	68.4		130		63		221	
7440-02-0	Nickel	C200.7	ug/l	8.2	2.5	J	4.6	J	2.4	J	10.6	J
7440-09-7	Potassium	C200.7	ug/l	53000	326000	J	332000	J	335000	J	329000	J
7782-49-2	Selenium	C200.7	ug/l	71	35	U	35	U	35	U	35	U
7440-22-4	Silver	C200.7	ug/l	0.23	10	U	10	U	10	U	10	U
7440-23-5	Sodium	C200.7	ug/l	680000	5040000		5050000		5020000		5040000	
7440-28-0	Thallium	C200.7	ug/l	21.3	25	R	25	R	25	R	25	R
7440-62-2	Vanadium (Fume Or Dust)	C200.7	ug/l	20	5.5	J	11.6	J	4.6	J	27.6	J
7440-66-6	Zinc	C200.7	ug/l	81	27.7	J	46.5	J	21.3	J	120	

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Raritan Bay Slag Superfund Site
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Area 5 Surface Water Total

				sys_loc_code:	SW34		SW35		SW36	
				loc_name:	Area-05		Area-05		Area-05	
				sys_sample_code:	RBS-SW34		RBS-SW35		RBS-SW36	
				sample_date:	04/21/2009		04/21/2009		04/21/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SW						
7429-90-5	Aluminum	C200.7	ug/l	87	1230		5760		1820	
7440-36-0	Antimony	C200.7	ug/l	500	8.1	J	10.6	J	8.4	J
7440-38-2	Arsenic	C200.7	ug/l	12.5	8.7	J	20.4		13	
7440-39-3	Barium	C200.7	ug/l	4	20.4	J	36.8	J	24.8	J
7440-41-7	Beryllium	C200.7	ug/l	0.66	5	U	1.5	J	5	U
7440-43-9	Cadmium	C200.7	ug/l	0.12	5	U	1	J	5	U
7440-70-2	Calcium	C200.7	ug/l	116000	215000		216000		224000	
7440-47-3	Chromium	C200.7	ug/l	57.5	3.9	J	17.5		7.1	J
7440-48-4	Cobalt	C200.7	ug/l	23	1.4	J	4.1	J	2.5	J
7440-50-8	Copper	C200.7	ug/l	3.1	14.4	J	45.5		25	J
7439-89-6	Iron	C200.7	ug/l	300	3610	J	19300	J	8580	J
7439-92-1	Lead	C200.7	ug/l	8.1	164		767		480	
7439-95-4	Magnesium	C200.7	ug/l	82000	650000		649000		674000	
7439-96-5	Manganese	C200.7	ug/l	120	76.8		144		129	
7440-02-0	Nickel	C200.7	ug/l	8.2	3.7	J	10.7	J	5.5	J
7440-09-7	Potassium	C200.7	ug/l	53000	345000	J	342000	J	358000	J
7782-49-2	Selenium	C200.7	ug/l	71	35	U	35	U	35	U
7440-22-4	Silver	C200.7	ug/l	0.23	10	U	10	U	10	U
7440-23-5	Sodium	C200.7	ug/l	680000	5280000		5260000		5310000	
7440-28-0	Thallium	C200.7	ug/l	21.3	25	R	25	R	25	R
7440-62-2	Vanadium (Fume Or Dust)	C200.7	ug/l	20	6.6	J	47.3	J	21.1	J
7440-66-6	Zinc	C200.7	ug/l	81	32.3	J	278		111	

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Area 6

Raritan Bay Slag Superfund Siute
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 6 Sediment > 12

				sys_loc_code:	B26		B27		B28		
				loc_name:	Area-06		Area-06		Area-06		
				sys_sample_code:	B26 12-24		B27 12-24		B28 12-24		
				depth:	12-24 in		12-24 in		12-24 in		
				sample_date:	07/09/2009		07/09/2009		07/08/2009		
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED							
7429-90-5	Aluminum	E200.7	mg/kg	7740	1190		1280	J			
7440-38-2	Arsenic	E200.7	mg/kg	0.389	7.4	J	7.9				
7440-70-2	Calcium	E200.7	mg/kg	NL	1450		1820				
7440-50-8	Copper	E200.7	mg/kg	18.7	14.9	J	16.2				
7439-89-6	Iron	E200.7	mg/kg	2000	8750	J	7890	J			
7439-92-1	Lead	E200.7	mg/kg	30.2	10.2	J	13.8	J			
7439-95-4	Magnesium	E200.7	mg/kg	NL	460	J	562				
7439-96-5	Manganese	E200.7	mg/kg	183	20.3		18.6				
7440-09-7	Potassium	E200.7	mg/kg	NL	214	J	256	J			
7440-23-5	Sodium	E200.7	mg/kg	NL	1520	J	1980	J			
7440-66-6	Zinc	E200.7	mg/kg	124	52.6	J	45.6				
7440-36-0	Antimony	E200.8	mg/kg	2	1.2	U			1.3	U	
7440-38-2	Arsenic	E200.8	mg/kg	0.389					1.1		
7440-39-3	Barium	E200.8	mg/kg	130.1	7.3				3.1	J	
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.4				0.6		
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.3	U			0.022	J	
7440-47-3	Chromium	E200.8	mg/kg	52.3	13	J			5.4		
7440-48-4	Cobalt	E200.8	mg/kg	2.34	1.5	J			0.63	J	
7440-50-8	Copper	E200.8	mg/kg	18.7					1.5		
7439-92-1	Lead	E200.8	mg/kg	30.2					3.1		
7439-96-5	Manganese	E200.8	mg/kg	183					4		
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.12				0.04	U	
7440-02-0	Nickel	E200.8	mg/kg	15.9	6	J			1.2		
7782-49-2	Selenium	E200.8	mg/kg	2	0.6	J			0.66	U	
7440-22-4	Silver	E200.8	mg/kg	0.73	0.3	UJ			0.33	U	
7440-28-0	Thallium	E200.8	mg/kg	100000	0.6	U			0.66	U	
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	18.6	J			11.6	J	
7440-66-6	Zinc	E200.8	mg/kg	124					1.3	R	

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Raritan Bay Slag Superfund Siute
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 6 Sediment > 12

					sys_loc_code:	B30		B31		B32	
					loc_name:	Area-06		Area-06		Area-06	
					sys_sample_code:	B30 12-24		B31 12-24		B32 12-24	
					depth:	12-24 in		12-24 in		12-24 in	
					sample_date:	07/23/2009		07/23/2009		07/09/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED							
7429-90-5	Aluminum	E200.7	mg/kg	7740		2260	J	2450	J	1380	J
7440-38-2	Arsenic	E200.7	mg/kg	0.389						9.8	
7440-70-2	Calcium	E200.7	mg/kg	NL		341	J	973		158	J
7440-50-8	Copper	E200.7	mg/kg	18.7						7.4	
7439-89-6	Iron	E200.7	mg/kg	2000		5960		7980		8380	J
7439-92-1	Lead	E200.7	mg/kg	30.2						8.1	J
7439-95-4	Magnesium	E200.7	mg/kg	NL		827		833		432	
7439-96-5	Manganese	E200.7	mg/kg	183						27.1	
7440-09-7	Potassium	E200.7	mg/kg	NL		609	U	616	U	251	J
7440-23-5	Sodium	E200.7	mg/kg	NL		1680		1530		508	J
7440-66-6	Zinc	E200.7	mg/kg	124						27.9	
7440-36-0	Antimony	E200.8	mg/kg	2		1.2	UJ	1.2	UJ		
7440-38-2	Arsenic	E200.8	mg/kg	0.389		5.2		9.2			
7440-39-3	Barium	E200.8	mg/kg	130.1		6.1	UJ	6.2	UJ		
7440-41-7	Beryllium	E200.8	mg/kg	15.6		0.3	U	0.31	U		
7440-43-9	Cadmium	E200.8	mg/kg	0.68		0.3	U	0.31	U		
7440-47-3	Chromium	E200.8	mg/kg	52.3		6.2		7.7			
7440-48-4	Cobalt	E200.8	mg/kg	2.34		1.7		2			
7440-50-8	Copper	E200.8	mg/kg	18.7		5.7		12.9			
7439-92-1	Lead	E200.8	mg/kg	30.2		13.5		13.8			
7439-96-5	Manganese	E200.8	mg/kg	183		36.9		45.6			
7439-97-6	Mercury	E245.5	mg/kg	0.13		0.1		0.13			
7440-02-0	Nickel	E200.8	mg/kg	15.9		3.7	J	7.9	J		
7782-49-2	Selenium	E200.8	mg/kg	2		0.61	U	0.97			
7440-22-4	Silver	E200.8	mg/kg	0.73		0.3	U	0.31	U		
7440-28-0	Thallium	E200.8	mg/kg	100000		0.61	U	0.62	U		
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548		11.9	J	15	J		
7440-66-6	Zinc	E200.8	mg/kg	124		22.8		34.2			

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Raritan Bay Slag Superfund Siute
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 6 Sediment > 12

				sys_loc_code:	B33		B34		B35	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B33 12-24		B34 12-24		B35 12-24	
				depth:	12-24 in		12-24 in		12-24 in	
				sample_date:	07/27/2009		07/08/2009		07/08/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
7429-90-5	Aluminum	E200.7	mg/kg	7740			1250		1170	
7440-38-2	Arsenic	E200.7	mg/kg	0.389						
7440-70-2	Calcium	E200.7	mg/kg	NL			434	J	551	
7440-50-8	Copper	E200.7	mg/kg	18.7						
7439-89-6	Iron	E200.7	mg/kg	2000			8880		7960	J
7439-92-1	Lead	E200.7	mg/kg	30.2						
7439-95-4	Magnesium	E200.7	mg/kg	NL			337	J	340	J
7439-96-5	Manganese	E200.7	mg/kg	183						
7440-09-7	Potassium	E200.7	mg/kg	NL			212	J	212	J
7440-23-5	Sodium	E200.7	mg/kg	NL			532	U	636	UJ
7440-66-6	Zinc	E200.7	mg/kg	124						
7440-36-0	Antimony	E200.8	mg/kg	2	1.2	U	1.1	UJ	1.2	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389	7.5		7		4	
7440-39-3	Barium	E200.8	mg/kg	130.1	4.6	J	5.4	U	3.4	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.17	J	0.15	J	0.18	J
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.2	J	0.13	J	0.17	J
7440-47-3	Chromium	E200.8	mg/kg	52.3	8.8	J	7.1	J	7.5	
7440-48-4	Cobalt	E200.8	mg/kg	2.34	1.6	J	1.4		0.77	J
7440-50-8	Copper	E200.8	mg/kg	18.7	18.2	J	23.1	J	11.5	
7439-92-1	Lead	E200.8	mg/kg	30.2	17.5	J	21.8	J	10	J
7439-96-5	Manganese	E200.8	mg/kg	183	21.4	J	22.5	J	16.3	
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.07		0.17		0.081	U
7440-02-0	Nickel	E200.8	mg/kg	15.9	5.2		7.1	J	3.8	
7782-49-2	Selenium	E200.8	mg/kg	2	0.53	J	0.8	J	0.29	J
7440-22-4	Silver	E200.8	mg/kg	0.73	0.11	J	0.27	UJ	0.3	UJ
7440-28-0	Thallium	E200.8	mg/kg	100000	0.6	U	0.54	U	0.6	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	14.3	J	12	J	11.3	
7440-66-6	Zinc	E200.8	mg/kg	124	43.2		53.5	J	34.3	

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Raritan Bay Slag Superfund Siute
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
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				sys_loc_code:	B36		B37		B38	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B36 12-24		B37 12-24		B38 12-24	
				depth:	12-24 in		12-24 in		12-24 in	
				sample_date:	07/08/2009		07/08/2009		07/27/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
7429-90-5	Aluminum	E200.7	mg/kg	7740	719		279			
7440-38-2	Arsenic	E200.7	mg/kg	0.389						
7440-70-2	Calcium	E200.7	mg/kg	NL	163	J	92.4	J		
7440-50-8	Copper	E200.7	mg/kg	18.7						
7439-89-6	Iron	E200.7	mg/kg	2000	6300	J	3300	J		
7439-92-1	Lead	E200.7	mg/kg	30.2						
7439-95-4	Magnesium	E200.7	mg/kg	NL	312	J	184	J		
7439-96-5	Manganese	E200.7	mg/kg	183						
7440-09-7	Potassium	E200.7	mg/kg	NL	157	J	97.6	J		
7440-23-5	Sodium	E200.7	mg/kg	NL	1620	J	1100	J		
7440-66-6	Zinc	E200.7	mg/kg	124						
7440-36-0	Antimony	E200.8	mg/kg	2	1.2	U	1.1	U	1.2	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389	0.77		0.74		8.1	
7440-39-3	Barium	E200.8	mg/kg	130.1	2.1	J	0.99	J	15.9	
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.25	J	0.13	J	0.53	
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.023	J	0.017	J	0.23	J
7440-47-3	Chromium	E200.8	mg/kg	52.3	2.1		2.2		16.8	J
7440-48-4	Cobalt	E200.8	mg/kg	2.34	0.61	J	0.56	UJ	2.3	J
7440-50-8	Copper	E200.8	mg/kg	18.7	1.8		1.6		17.8	J
7439-92-1	Lead	E200.8	mg/kg	30.2	2.1	J	2.8	J	20.9	J
7439-96-5	Manganese	E200.8	mg/kg	183	1.6		3.7		31.9	J
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.041	U	0.034	U	0.12	
7440-02-0	Nickel	E200.8	mg/kg	15.9	0.97		0.5	J	6.7	
7782-49-2	Selenium	E200.8	mg/kg	2	0.16	J	0.13	J	0.72	
7440-22-4	Silver	E200.8	mg/kg	0.73	0.29	UJ	0.28	UJ	0.14	J
7440-28-0	Thallium	E200.8	mg/kg	100000	0.59	U	0.56	U	0.62	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	6.5		5.3		23.2	J
7440-66-6	Zinc	E200.8	mg/kg	124	8.8		6.6		33.1	

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Raritan Bay Slag Superfund Siute
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 6 Sediment > 12

				sys_loc_code:	B39		B40		B41	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B39 12-24		B40 12-24		B41 12-24	
				depth:	12-24 in		12-24 in		12-24 in	
				sample_date:	07/27/2009		07/27/2009		07/08/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
7429-90-5	Aluminum	E200.7	mg/kg	7740					772	
7440-38-2	Arsenic	E200.7	mg/kg	0.389						
7440-70-2	Calcium	E200.7	mg/kg	NL					696	
7440-50-8	Copper	E200.7	mg/kg	18.7						
7439-89-6	Iron	E200.7	mg/kg	2000					6530	J
7439-92-1	Lead	E200.7	mg/kg	30.2						
7439-95-4	Magnesium	E200.7	mg/kg	NL					564	
7439-96-5	Manganese	E200.7	mg/kg	183						
7440-09-7	Potassium	E200.7	mg/kg	NL					317	J
7440-23-5	Sodium	E200.7	mg/kg	NL					1390	J
7440-66-6	Zinc	E200.7	mg/kg	124						
7440-36-0	Antimony	E200.8	mg/kg	2	1.2	U	1.2	U	1.1	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389	9.2		9.7	J	1.2	
7440-39-3	Barium	E200.8	mg/kg	130.1	6.9		7.7	J	1.1	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.25	J	0.3	U	0.078	J
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.18	J	0.16	J	0.28	U
7440-47-3	Chromium	E200.8	mg/kg	52.3	10	J	9.8		2.3	
7440-48-4	Cobalt	E200.8	mg/kg	2.34	2.2	J	2.2		0.56	UJ
7440-50-8	Copper	E200.8	mg/kg	18.7	18.6	J	17.2	J	1.6	
7439-92-1	Lead	E200.8	mg/kg	30.2	20.5	J	18.5	J	5.3	J
7439-96-5	Manganese	E200.8	mg/kg	183	42.2	J	46		11	
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.13		0.17		0.036	U
7440-02-0	Nickel	E200.8	mg/kg	15.9	7.9		7.1	J	1.1	
7782-49-2	Selenium	E200.8	mg/kg	2	0.93		0.68		0.073	J
7440-22-4	Silver	E200.8	mg/kg	0.73	0.15	J	0.3	UJ	0.28	UJ
7440-28-0	Thallium	E200.8	mg/kg	100000	0.61	U	0.59	U	0.56	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	14.8	J	15.4		4.1	
7440-66-6	Zinc	E200.8	mg/kg	124	51.3		48.2	J	8.2	

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Raritan Bay Slag Superfund Siute
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Area 6 Sediment > 12

				sys_loc_code:	B42		B43		B44	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B42 12-24		B43 12-24		B44 12-24	
				depth:	12-24 in		12-24 in		12-24 in	
				sample_date:	07/27/2009		07/27/2009		07/09/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
7429-90-5	Aluminum	E200.7	mg/kg	7740					1270	J
7440-38-2	Arsenic	E200.7	mg/kg	0.389					6.2	
7440-70-2	Calcium	E200.7	mg/kg	NL					146	J
7440-50-8	Copper	E200.7	mg/kg	18.7					8.4	
7439-89-6	Iron	E200.7	mg/kg	2000					7750	J
7439-92-1	Lead	E200.7	mg/kg	30.2					9.6	J
7439-95-4	Magnesium	E200.7	mg/kg	NL					349	J
7439-96-5	Manganese	E200.7	mg/kg	183					18.8	
7440-09-7	Potassium	E200.7	mg/kg	NL					196	J
7440-23-5	Sodium	E200.7	mg/kg	NL					753	J
7440-66-6	Zinc	E200.7	mg/kg	124					24.5	
7440-36-0	Antimony	E200.8	mg/kg	2	1.3	U	1.2	U		
7440-38-2	Arsenic	E200.8	mg/kg	0.389	11.2	J	8.2	J		
7440-39-3	Barium	E200.8	mg/kg	130.1	6.8	J	7	J		
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.32	U	0.3	U		
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.25	J	0.16	J		
7440-47-3	Chromium	E200.8	mg/kg	52.3	9.6		9.5			
7440-48-4	Cobalt	E200.8	mg/kg	2.34	1.6		1.9			
7440-50-8	Copper	E200.8	mg/kg	18.7	28.7	J	18.8	J		
7439-92-1	Lead	E200.8	mg/kg	30.2	23.9	J	18.1	J		
7439-96-5	Manganese	E200.8	mg/kg	183	26.1		33.7			
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.14		0.11			
7440-02-0	Nickel	E200.8	mg/kg	15.9	9.2	J	8.4	J		
7782-49-2	Selenium	E200.8	mg/kg	2	1.5		1.3			
7440-22-4	Silver	E200.8	mg/kg	0.73	0.32	UJ	0.3	UJ		
7440-28-0	Thallium	E200.8	mg/kg	100000	0.63	U	0.6	U		
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	15.7		18.1			
7440-66-6	Zinc	E200.8	mg/kg	124	81.1	J	51.2	J		

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				sys_loc_code:	B45		B46		B47	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B45 12-24		B46 12-24		B47 12-24	
				depth:	12-24 in		12-24 in		12-24 in	
				sample_date:	07/08/2009		07/10/2009		07/08/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
7429-90-5	Aluminum	E200.7	mg/kg	7740	1750				492	
7440-38-2	Arsenic	E200.7	mg/kg	0.389						
7440-70-2	Calcium	E200.7	mg/kg	NL	326	J			111	J
7440-50-8	Copper	E200.7	mg/kg	18.7						
7439-89-6	Iron	E200.7	mg/kg	2000	11400				8100	J
7439-92-1	Lead	E200.7	mg/kg	30.2						
7439-95-4	Magnesium	E200.7	mg/kg	NL	580				84	J
7439-96-5	Manganese	E200.7	mg/kg	183						
7440-09-7	Potassium	E200.7	mg/kg	NL	303	J			67.4	J
7440-23-5	Sodium	E200.7	mg/kg	NL	1170				529	UJ
7440-66-6	Zinc	E200.7	mg/kg	124						
7440-36-0	Antimony	E200.8	mg/kg	2	1	UJ	1.2	U	1.1	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389	9.8		2.1	J	1.6	
7440-39-3	Barium	E200.8	mg/kg	130.1	5.2	U	2.3	J	1.9	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.23	J	0.13	J	0.16	J
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.3		0.011	J	0.03	J
7440-47-3	Chromium	E200.8	mg/kg	52.3	12.9	J	4.5	J	3.4	
7440-48-4	Cobalt	E200.8	mg/kg	2.34	1.4		0.93		0.53	UJ
7440-50-8	Copper	E200.8	mg/kg	18.7	18.3	J	5.2		4.2	
7439-92-1	Lead	E200.8	mg/kg	30.2	19.5	J	19.4		68.8	J
7439-96-5	Manganese	E200.8	mg/kg	183	18.2	J	13.1		19.5	
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.16		0.037	U	0.032	U
7440-02-0	Nickel	E200.8	mg/kg	15.9	7.3	J	1.9	J	1.1	
7782-49-2	Selenium	E200.8	mg/kg	2	0.8	J	0.61	U	0.092	J
7440-22-4	Silver	E200.8	mg/kg	0.73	0.26	UJ	0.31	U	0.27	UJ
7440-28-0	Thallium	E200.8	mg/kg	100000	0.52	U	0.61	U	0.53	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	20.8	J	7.3	J	9.2	
7440-66-6	Zinc	E200.8	mg/kg	124	67.9	J	21.5		15.7	

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				sys_loc_code:	B49		B50		B51	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B49 12-24		B50 12-24		B51 12-24	
				depth:	12-24 in		12-24 in		12-24 in	
				sample_date:	07/27/2009		07/27/2009		07/27/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
7429-90-5	Aluminum	E200.7	mg/kg	7740						
7440-38-2	Arsenic	E200.7	mg/kg	0.389						
7440-70-2	Calcium	E200.7	mg/kg	NL						
7440-50-8	Copper	E200.7	mg/kg	18.7						
7439-89-6	Iron	E200.7	mg/kg	2000						
7439-92-1	Lead	E200.7	mg/kg	30.2						
7439-95-4	Magnesium	E200.7	mg/kg	NL						
7439-96-5	Manganese	E200.7	mg/kg	183						
7440-09-7	Potassium	E200.7	mg/kg	NL						
7440-23-5	Sodium	E200.7	mg/kg	NL						
7440-66-6	Zinc	E200.7	mg/kg	124						
7440-36-0	Antimony	E200.8	mg/kg	2	1.2	U	1.2	U	1.2	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389	8.6	J	8.2	J	8.8	
7440-39-3	Barium	E200.8	mg/kg	130.1	3.9	J	6.8	J	7.5	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.31	U	0.3	U	0.32	
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.16	J	0.099	J	0.082	J
7440-47-3	Chromium	E200.8	mg/kg	52.3	11.6		7.5		9.2	J
7440-48-4	Cobalt	E200.8	mg/kg	2.34	0.96		2.2		2.7	
7440-50-8	Copper	E200.8	mg/kg	18.7	17.8	J	12.6	J	9.8	
7439-92-1	Lead	E200.8	mg/kg	30.2	16.3	J	15.1	J	17.4	J
7439-96-5	Manganese	E200.8	mg/kg	183	18.2		44.2		71.8	
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.21		0.068		0.15	
7440-02-0	Nickel	E200.8	mg/kg	15.9	4.6	J	6.6	J	5.7	
7782-49-2	Selenium	E200.8	mg/kg	2	0.75		0.61		0.61	U
7440-22-4	Silver	E200.8	mg/kg	0.73	0.31	UJ	0.3	UJ	0.31	UJ
7440-28-0	Thallium	E200.8	mg/kg	100000	0.62	U	0.6	U	0.052	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	15.5		13.3		16.2	
7440-66-6	Zinc	E200.8	mg/kg	124	54.3	J	31.9	J	35	

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				sys_loc_code:	B52		B53		B54	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B52 12-24		B53 12-24		B54 12-24	
				depth:	12-24 in		12-24 in		12-24 in	
				sample_date:	07/27/2009		07/27/2009		07/27/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
7429-90-5	Aluminum	E200.7	mg/kg	7740						
7440-38-2	Arsenic	E200.7	mg/kg	0.389						
7440-70-2	Calcium	E200.7	mg/kg	NL						
7440-50-8	Copper	E200.7	mg/kg	18.7						
7439-89-6	Iron	E200.7	mg/kg	2000						
7439-92-1	Lead	E200.7	mg/kg	30.2						
7439-95-4	Magnesium	E200.7	mg/kg	NL						
7439-96-5	Manganese	E200.7	mg/kg	183						
7440-09-7	Potassium	E200.7	mg/kg	NL						
7440-23-5	Sodium	E200.7	mg/kg	NL						
7440-66-6	Zinc	E200.7	mg/kg	124						
7440-36-0	Antimony	E200.8	mg/kg	2	1.3	U	1.2	U	1.2	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389	8.3		8.3		4.3	
7440-39-3	Barium	E200.8	mg/kg	130.1	4.3	J	6.1	J	4.7	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.18	J	0.22	J	0.22	J
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.29	J	0.13	J	0.034	J
7440-47-3	Chromium	E200.8	mg/kg	52.3	11.8	J	8.1	J	6.1	J
7440-48-4	Cobalt	E200.8	mg/kg	2.34	1.3		1.8		1.6	
7440-50-8	Copper	E200.8	mg/kg	18.7	26.5		13.9		4.8	
7439-92-1	Lead	E200.8	mg/kg	30.2	22.4	J	17.5	J	11.7	J
7439-96-5	Manganese	E200.8	mg/kg	183	19.4		42.6		52.5	
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.24		0.13		0.095	
7440-02-0	Nickel	E200.8	mg/kg	15.9	6.9		5.7		3	
7782-49-2	Selenium	E200.8	mg/kg	2	1.1		0.74		0.59	U
7440-22-4	Silver	E200.8	mg/kg	0.73	0.31	UJ	0.3	UJ	0.29	UJ
7440-28-0	Thallium	E200.8	mg/kg	100000	0.63	U	0.59	U	0.59	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	18.1		15.1		14.2	
7440-66-6	Zinc	E200.8	mg/kg	124	79.1		43.7		22.9	

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				sys_loc_code:	B55		B56		B58	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B55 12-24		B56 12-24		B58 12-24	
				depth:	12-24 in		12-24 in		12-24 in	
				sample_date:	07/08/2009		07/08/2009		07/27/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
7429-90-5	Aluminum	E200.7	mg/kg	7740	2530		1100			
7440-38-2	Arsenic	E200.7	mg/kg	0.389						
7440-70-2	Calcium	E200.7	mg/kg	NL	5800		1270			
7440-50-8	Copper	E200.7	mg/kg	18.7						
7439-89-6	Iron	E200.7	mg/kg	2000	9860		7290	J		
7439-92-1	Lead	E200.7	mg/kg	30.2						
7439-95-4	Magnesium	E200.7	mg/kg	NL	1060		640			
7439-96-5	Manganese	E200.7	mg/kg	183						
7440-09-7	Potassium	E200.7	mg/kg	NL	530	J	302	J		
7440-23-5	Sodium	E200.7	mg/kg	NL	2300		2080	J		
7440-66-6	Zinc	E200.7	mg/kg	124						
7440-36-0	Antimony	E200.8	mg/kg	2	1.2	UJ	1	U	1.2	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389	6.9		4.9		9.1	
7440-39-3	Barium	E200.8	mg/kg	130.1	9.6		3.9	J	8.9	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.34		0.19	J	1	
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.066	J	0.18	J	0.28	J
7440-47-3	Chromium	E200.8	mg/kg	52.3	8.3	J	7.3		19.3	J
7440-48-4	Cobalt	E200.8	mg/kg	2.34	2.5		1	J	3.1	
7440-50-8	Copper	E200.8	mg/kg	18.7	7.1	J	11.7		20	
7439-92-1	Lead	E200.8	mg/kg	30.2	19.4	J	26.8	J	18.8	J
7439-96-5	Manganese	E200.8	mg/kg	183	101	J	21.1		30.6	
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.07		0.083		0.14	
7440-02-0	Nickel	E200.8	mg/kg	15.9	4.1	J	3.4		7.9	
7782-49-2	Selenium	E200.8	mg/kg	2	0.22	J	0.25	J	0.62	U
7440-22-4	Silver	E200.8	mg/kg	0.73	0.3	UJ	0.26	UJ	0.31	UJ
7440-28-0	Thallium	E200.8	mg/kg	100000	0.6	U	0.51	U	0.62	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	18.5	J	12		34	J
7440-66-6	Zinc	E200.8	mg/kg	124	37.9	J	44		40.9	

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				sys_loc_code:	B59		B60		B61	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B59 12-24		B60 12-24		B61 12-24	
				depth:	12-24 in		12-24 in		12-24 in	
				sample_date:	07/27/2009		07/27/2009		07/27/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
7429-90-5	Aluminum	E200.7	mg/kg	7740						
7440-38-2	Arsenic	E200.7	mg/kg	0.389						
7440-70-2	Calcium	E200.7	mg/kg	NL						
7440-50-8	Copper	E200.7	mg/kg	18.7						
7439-89-6	Iron	E200.7	mg/kg	2000						
7439-92-1	Lead	E200.7	mg/kg	30.2						
7439-95-4	Magnesium	E200.7	mg/kg	NL						
7439-96-5	Manganese	E200.7	mg/kg	183						
7440-09-7	Potassium	E200.7	mg/kg	NL						
7440-23-5	Sodium	E200.7	mg/kg	NL						
7440-66-6	Zinc	E200.7	mg/kg	124						
7440-36-0	Antimony	E200.8	mg/kg	2	1.2	U	1.1	U	1.2	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389	3.9		5.7	J	4.3	J
7440-39-3	Barium	E200.8	mg/kg	130.1	3	J	3.8	J	3.7	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.16	J	0.17	J	0.21	J
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.17	J	0.056	J	0.21	J
7440-47-3	Chromium	E200.8	mg/kg	52.3	8.5	J	5.8	J	7	J
7440-48-4	Cobalt	E200.8	mg/kg	2.34	0.79		1.4	J	1	J
7440-50-8	Copper	E200.8	mg/kg	18.7	13.5		5.7	J	12.6	J
7439-92-1	Lead	E200.8	mg/kg	30.2	12.2	J	11.3	J	28.9	J
7439-96-5	Manganese	E200.8	mg/kg	183	18		31.5	J	14.7	J
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.082		0.079		0.083	
7440-02-0	Nickel	E200.8	mg/kg	15.9	4.8		2.7	J	5.4	J
7782-49-2	Selenium	E200.8	mg/kg	2	0.7		0.57	U	0.63	
7440-22-4	Silver	E200.8	mg/kg	0.73	0.29	UJ	0.29	UJ	0.31	UJ
7440-28-0	Thallium	E200.8	mg/kg	100000	0.58	U	0.57	U	0.62	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	11.2		12	J	13.2	J
7440-66-6	Zinc	E200.8	mg/kg	124	33.1		27.3	J	34.4	J

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				sys_loc_code:	B62		B63	
				loc_name:	Area-06		Area-06	
				sys_sample_code:	B62 12-24		B63 12-24	
				depth:	12-24 in		12-24 in	
				sample_date:	07/27/2009		07/27/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED				
7429-90-5	Aluminum	E200.7	mg/kg	7740				
7440-38-2	Arsenic	E200.7	mg/kg	0.389				
7440-70-2	Calcium	E200.7	mg/kg	NL				
7440-50-8	Copper	E200.7	mg/kg	18.7				
7439-89-6	Iron	E200.7	mg/kg	2000				
7439-92-1	Lead	E200.7	mg/kg	30.2				
7439-95-4	Magnesium	E200.7	mg/kg	NL				
7439-96-5	Manganese	E200.7	mg/kg	183				
7440-09-7	Potassium	E200.7	mg/kg	NL				
7440-23-5	Sodium	E200.7	mg/kg	NL				
7440-66-6	Zinc	E200.7	mg/kg	124				
7440-36-0	Antimony	E200.8	mg/kg	2	1.2	U	1.2	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389	5.5	J	7.1	
7440-39-3	Barium	E200.8	mg/kg	130.1	4.9	J	3.5	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.17	J	0.15	J
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.19	J	0.16	J
7440-47-3	Chromium	E200.8	mg/kg	52.3	7.7	J	6.5	J
7440-48-4	Cobalt	E200.8	mg/kg	2.34	1	J	1.4	J
7440-50-8	Copper	E200.8	mg/kg	18.7	9.1	J	9.5	J
7439-92-1	Lead	E200.8	mg/kg	30.2	10.8	J	15.5	J
7439-96-5	Manganese	E200.8	mg/kg	183	26.4	J	26.2	J
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.08		0.049	
7440-02-0	Nickel	E200.8	mg/kg	15.9	2.9	J	4	
7782-49-2	Selenium	E200.8	mg/kg	2	0.59	U	0.45	J
7440-22-4	Silver	E200.8	mg/kg	0.73	0.29	UJ	0.087	J
7440-28-0	Thallium	E200.8	mg/kg	100000	0.59	U	0.61	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	15.1	J	11.8	J
7440-66-6	Zinc	E200.8	mg/kg	124	35.6	J	33.2	

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				sys_loc_code:	SED100		SED101		SED102	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	RBS-SED100		RBS-SED101		RBS-SED102	
				depth:	0-3 in		0-3 in		0-3 in	
				sample_date:	04/23/2009		04/23/2009		04/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
7429-90-5	Aluminum	C200.7	mg/kg	7740	1390	J	888	J	1370	J
7440-36-0	Antimony	C200.7	mg/kg	2	6.9	U	6.8	U	6.9	U
7440-38-2	Arsenic	C200.7	mg/kg	0.389	3.5		1.7		3.1	
7440-39-3	Barium	C200.7	mg/kg	130.1	2.3	J	1.5	J	2.7	J
7440-41-7	Beryllium	C200.7	mg/kg	15.6	0.57	U	0.7	U	0.58	U
7440-43-9	Cadmium	C200.7	mg/kg	0.68	0.61		0.15	J	0.6	
7440-70-2	Calcium	C200.7	mg/kg	NL	4280		569	R	1970	R
7440-47-3	Chromium	C200.7	mg/kg	52.3	8.2		4.8		13.5	
7440-48-4	Cobalt	C200.7	mg/kg	2.34	5.4	U	5.7	U	0.97	J
7440-50-8	Copper	C200.7	mg/kg	18.7	3.1		2	J	2.9	
7439-89-6	Iron	C200.7	mg/kg	2000	13600		6900		13600	
7439-92-1	Lead	C200.7	mg/kg	30.2	7.1		5.5		3.5	
7439-95-4	Magnesium	C200.7	mg/kg	NL	571	U	569	U	908	
7439-96-5	Manganese	C200.7	mg/kg	183	47.2		24.2		241	
7440-02-0	Nickel	C200.7	mg/kg	15.9	2	J	1.5	J	3.2	J
7440-09-7	Potassium	C200.7	mg/kg	NL	353	J	269	J	362	J
7782-49-2	Selenium	C200.7	mg/kg	2	0.96	J	0.59	J	1	J
7440-22-4	Silver	C200.7	mg/kg	0.73	1.1	U	1.1	U	1.1	U
7440-23-5	Sodium	C200.7	mg/kg	NL	931		768		1170	
7440-28-0	Thallium	C200.7	mg/kg	100000	2.7	UJ	2.8	UJ	2.8	UJ
7440-31-5	Tin	C200.7	mg/kg	NL						
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548	15		12		18.2	
7440-66-6	Zinc	C200.7	mg/kg	124	19.1		7.9		11.7	
7429-90-5	Aluminum	E200.7	mg/kg	7740						
7440-36-0	Antimony	E200.7	mg/kg	2						
7440-38-2	Arsenic	E200.7	mg/kg	0.389						
7440-70-2	Calcium	E200.7	mg/kg	NL						
7440-47-3	Chromium	E200.7	mg/kg	52.3						
7440-50-8	Copper	E200.7	mg/kg	18.7						
7439-89-6	Iron	E200.7	mg/kg	2000						
7439-92-1	Lead	E200.7	mg/kg	30.2						
7439-95-4	Magnesium	E200.7	mg/kg	NL						
7439-96-5	Manganese	E200.7	mg/kg	183						

R2-0000992

				sys_loc_code:	SED100		SED101		SED102	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	RBS-SED100		RBS-SED101		RBS-SED102	
				depth:	0-3 in		0-3 in		0-3 in	
				sample_date:	04/23/2009		04/23/2009		04/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
7440-02-0	Nickel	E200.7	mg/kg	15.9						
7440-09-7	Potassium	E200.7	mg/kg	NL						
7440-22-4	Silver	E200.7	mg/kg	0.73						
7440-23-5	Sodium	E200.7	mg/kg	NL						
7440-31-5	Tin	E200.7	mg/kg	NL						
7440-66-6	Zinc	E200.7	mg/kg	124						
7440-36-0	Antimony	E200.8	mg/kg	2						
7440-38-2	Arsenic	E200.8	mg/kg	0.389						
7440-39-3	Barium	E200.8	mg/kg	130.1						
7440-41-7	Beryllium	E200.8	mg/kg	15.6						
7440-43-9	Cadmium	E200.8	mg/kg	0.68						
7440-47-3	Chromium	E200.8	mg/kg	52.3						
7440-48-4	Cobalt	E200.8	mg/kg	2.34						
7440-50-8	Copper	E200.8	mg/kg	18.7						
7439-92-1	Lead	E200.8	mg/kg	30.2						
7439-96-5	Manganese	E200.8	mg/kg	183						
7440-02-0	Nickel	E200.8	mg/kg	15.9						
7782-49-2	Selenium	E200.8	mg/kg	2						
7440-22-4	Silver	E200.8	mg/kg	0.73						
7440-28-0	Thallium	E200.8	mg/kg	100000						
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548						
7440-66-6	Zinc	E200.8	mg/kg	124						
7439-97-6	Mercury	E245.5	mg/kg	0.13						
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6						
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357						
309-00-2	Aldrin	CPEST	ug/kg	2						
319-84-6	Alpha-Bhc	CPEST	ug/kg	3						
319-85-7	Beta-Bhc	CPEST	ug/kg	3						
319-86-8	Delta-Bhc	CPEST	ug/kg	3						
33213-65-9	Endosulfan II	CPEST	ug/kg	14						
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19						
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7						
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7						

				sys_loc_code:	SED100		SED101		SED102	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	RBS-SED100		RBS-SED101		RBS-SED102	
				depth:	0-3 in		0-3 in		0-3 in	
				sample_date:	04/23/2009		04/23/2009		04/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL						
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32						
60-57-1	Dieldrin	CPEST	ug/kg	0.72						
72-20-8	Endrin	CPEST	ug/kg	2.67						
72-43-5	Methoxychlor	CPEST	ug/kg	29.6						
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22						
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07						
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL						
76-44-8	Heptachlor	CPEST	ug/kg	68						
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1						
959-98-8	Endosulfan I	CPEST	ug/kg	2.9						
11096-82-5	Aroclor 1260	E608	ug/kg	21.6						
11097-69-1	Aroclor 1254	E608	ug/kg	23						
11100-14-4	Aroclor 1268	E608	ug/kg	21.6						
11104-28-2	Aroclor 1221	E608	ug/kg	21.6						
11141-16-5	Aroclor 1232	E608	ug/kg	21.6						
12672-29-6	Aroclor 1248	E608	ug/kg	21.6						
12674-11-2	Aroclor 1016	E608	ug/kg	21.6						
37324-23-5	Aroclor 1262	E608	ug/kg	21.6						
53469-21-9	Aroclor 1242	E608	ug/kg	21.6						
100-41-4	Ethylbenzene	E624	ug/kg	305						
100-42-5	Styrene	E624	ug/kg	7070						
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL						
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL						
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460						
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7						
107-06-2	1,2-Dichloroethane	E624	ug/kg	432						
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000						
108-87-2	Methylcyclohexane	E624	ug/kg	NL						
108-88-3	Toluene	E624	ug/kg	1090						
108-90-7	Chlorobenzene	E624	ug/kg	162						
110-82-7	Cyclohexane	E624	ug/kg	117000						
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473						

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				sys_loc_code:	SED100		SED101		SED102	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	RBS-SED100		RBS-SED101		RBS-SED102	
				depth:	0-3 in		0-3 in		0-3 in	
				sample_date:	04/23/2009		04/23/2009		04/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
123-91-1	1,4-Dioxane	E624	ug/kg	44100						
124-48-1	Dibromochloromethane	E624	ug/kg	680						
127-18-4	Tetrachloroethene	E624	ug/kg	190						
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200						
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300						
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300						
179601-23-1	m,p-Xylene	E624	ug/kg	NL						
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842						
56-23-5	Carbon tetrachloride	E624	ug/kg	248						
591-78-6	2-Hexanone	E624	ug/kg	20900						
67-64-1	Acetone	E624	ug/kg	6130000						
67-66-3	Chloroform	E624	ug/kg	295						
71-43-2	Benzene	E624	ug/kg	137						
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856						
74-83-9	Bromomethane	E624	ug/kg	732						
74-87-3	Chloromethane	E624	ug/kg	11900						
74-97-5	Bromochloromethane	E624	ug/kg	NL						
75-00-3	Chloroethane	E624	ug/kg	1450000						
75-01-4	Vinyl Chloride	E624	ug/kg	59.7						
75-09-2	Methylene chloride	E624	ug/kg	10700						
75-15-0	Carbon Disulfide	E624	ug/kg	0.851						
75-25-2	Bromoform	E624	ug/kg	1310						
75-27-4	Bromodichloromethane	E624	ug/kg	273						
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310						
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780						
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700						
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400						
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000						
78-87-5	1,2-Dichloropropane	E624	ug/kg	895						
78-93-3	2-Butanone	E624	ug/kg	2780000						
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570						
79-01-6	Trichloroethene	E624	ug/kg	1600						
79-20-9	Methyl Acetate	E624	ug/kg	7820000						

				sys_loc_code:	SED100		SED101		SED102	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	RBS-SED100		RBS-SED101		RBS-SED102	
				depth:	0-3 in		0-3 in		0-3 in	
				sample_date:	04/23/2009		04/23/2009		04/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202						
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858						
95-47-6	o-Xylene	E624	ug/kg	NL						
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989						
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35						
98-82-8	Isopropylbenzene	E624	ug/kg	86						
100-01-6	4-Nitroaniline	E625	ug/kg	24300						
100-02-7	4-Nitrophenol	E625	ug/kg	NL						
100-52-7	Benzaldehyde	E625	ug/kg	782000						
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230						
105-60-2	Caprolactam	E625	ug/kg	3060000						
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29						
106-44-5	4-Methylphenol	E625	ug/kg	670						
106-47-8	4-Chloroaniline	E625	ug/kg	2430						
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570						
108-95-2	Phenol	E625	ug/kg	420						
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214						
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300						
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182						
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL						
118-74-1	Hexachlorobenzene	E625	ug/kg	20						
120-12-7	Anthracene	E625	ug/kg	46.9						
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117						
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6						
129-00-0	Pyrene	E625	ug/kg	153						
131-11-3	Dimethylphthalate	E625	ug/kg	NL						
132-64-9	Dibenzofuran	E625	ug/kg	7300						
1912-24-9	Atrazine	E625	ug/kg	6.62						
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170						
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17						
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148						
206-44-0	Fluoranthene	E625	ug/kg	113						
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240						

				sys_loc_code:	SED100		SED101		SED102	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	RBS-SED100		RBS-SED101		RBS-SED102	
				depth:	0-3 in		0-3 in		0-3 in	
				sample_date:	04/23/2009		04/23/2009		04/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
208-96-8	Acenaphthylene	E625	ug/kg	5.87						
218-01-9	Chrysene	E625	ug/kg	108						
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8						
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200						
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611						
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22						
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8						
58-90-2	Chlorophenols	E625	ug/kg	284						
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000						
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120						
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4						
67-72-1	Hexachloroethane	E625	ug/kg	804						
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL						
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139						
78-59-1	Isophorone	E625	ug/kg	511000						
83-32-9	Acenaphthene	E625	ug/kg	6.71						
84-66-2	Diethylphthalate	E625	ug/kg	218						
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160						
85-01-8	Phenanthrene	E625	ug/kg	86.7						
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800						
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100						
86-73-7	Fluorene	E625	ug/kg	19						
86-74-8	Carbazole	E625	ug/kg	NL						
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110						
87-86-5	Pentachlorophenol	E625	ug/kg	2970						
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650						
88-74-4	2-Nitroaniline	E625	ug/kg	60600						
88-75-5	2-Nitrophenol	E625	ug/kg	NL						
91-20-3	Naphthalene	E625	ug/kg	34.6						
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2						
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000						
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080						
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220						

				sys_loc_code:	SED100		SED101		SED102	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	RBS-SED100		RBS-SED101		RBS-SED102	
				depth:	0-3 in		0-3 in		0-3 in	
				sample_date:	04/23/2009		04/23/2009		04/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
95-48-7	2-Methylphenol	E625	ug/kg	306000						
95-57-8	2-Chlorophenol	E625	ug/kg	344						
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830						
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819						
98-86-2	Acetophenone	E625	ug/kg	782000						
98-95-3	Nitrobenzene	E625	ug/kg	4790						
99-09-2	3-Nitroaniline	E625	ug/kg	NL						

				sys_loc_code:	SED104		SED105		SED106	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	RBS-SED104		RBS-SED105		RBS-SED106	
				depth:	0-3 in		0-3 in		0-3 in	
				sample_date:	04/23/2009		04/23/2009		04/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
7429-90-5	Aluminum	C200.7	mg/kg	7740	1600	J	934	J	1160	J
7440-36-0	Antimony	C200.7	mg/kg	2	6.8	U	6.6	U	6.6	U
7440-38-2	Arsenic	C200.7	mg/kg	0.389	2.4		1.6		1.3	
7440-39-3	Barium	C200.7	mg/kg	130.1	2.1	J	1.5	J	2.7	J
7440-41-7	Beryllium	C200.7	mg/kg	15.6	0.57	U	0.55	U	0.55	U
7440-43-9	Cadmium	C200.7	mg/kg	0.68	0.23	J	0.16	J	0.089	J
7440-70-2	Calcium	C200.7	mg/kg	NL	1840	R	6770		1420	R
7440-47-3	Chromium	C200.7	mg/kg	52.3	7.9		4.1		6.9	
7440-48-4	Cobalt	C200.7	mg/kg	2.34	5.5	U	5.2	U	0.6	J
7440-50-8	Copper	C200.7	mg/kg	18.7	1.8	J	2	J	2.2	J
7439-89-6	Iron	C200.7	mg/kg	2000	8230		5550		4530	
7439-92-1	Lead	C200.7	mg/kg	30.2	1.7		1.1		3.7	
7439-95-4	Magnesium	C200.7	mg/kg	NL	612		548	U	756	
7439-96-5	Manganese	C200.7	mg/kg	183	33.5		31.9		31.2	
7440-02-0	Nickel	C200.7	mg/kg	15.9	2.4	J	1.8	J	2.4	J
7440-09-7	Potassium	C200.7	mg/kg	NL	307	J	277	J	553	J
7782-49-2	Selenium	C200.7	mg/kg	2	0.55	J	3.7	U	0.42	J
7440-22-4	Silver	C200.7	mg/kg	0.73	1.1	U	1	U	1.1	U
7440-23-5	Sodium	C200.7	mg/kg	NL	1090		691		1270	
7440-28-0	Thallium	C200.7	mg/kg	100000	2.7	UJ	2.6	UJ	2.7	UJ
7440-31-5	Tin	C200.7	mg/kg	NL						
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548	14.9		6.7		6.6	
7440-66-6	Zinc	C200.7	mg/kg	124	8.7		6.7		8.9	
7429-90-5	Aluminum	E200.7	mg/kg	7740						
7440-36-0	Antimony	E200.7	mg/kg	2						
7440-38-2	Arsenic	E200.7	mg/kg	0.389						
7440-70-2	Calcium	E200.7	mg/kg	NL						
7440-47-3	Chromium	E200.7	mg/kg	52.3						
7440-50-8	Copper	E200.7	mg/kg	18.7						
7439-89-6	Iron	E200.7	mg/kg	2000						
7439-92-1	Lead	E200.7	mg/kg	30.2						
7439-95-4	Magnesium	E200.7	mg/kg	NL						
7439-96-5	Manganese	E200.7	mg/kg	183						

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				sys_loc_code:	SED104		SED105		SED106	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	RBS-SED104		RBS-SED105		RBS-SED106	
				depth:	0-3 in		0-3 in		0-3 in	
				sample_date:	04/23/2009		04/23/2009		04/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
7440-02-0	Nickel	E200.7	mg/kg	15.9						
7440-09-7	Potassium	E200.7	mg/kg	NL						
7440-22-4	Silver	E200.7	mg/kg	0.73						
7440-23-5	Sodium	E200.7	mg/kg	NL						
7440-31-5	Tin	E200.7	mg/kg	NL						
7440-66-6	Zinc	E200.7	mg/kg	124						
7440-36-0	Antimony	E200.8	mg/kg	2						
7440-38-2	Arsenic	E200.8	mg/kg	0.389						
7440-39-3	Barium	E200.8	mg/kg	130.1						
7440-41-7	Beryllium	E200.8	mg/kg	15.6						
7440-43-9	Cadmium	E200.8	mg/kg	0.68						
7440-47-3	Chromium	E200.8	mg/kg	52.3						
7440-48-4	Cobalt	E200.8	mg/kg	2.34						
7440-50-8	Copper	E200.8	mg/kg	18.7						
7439-92-1	Lead	E200.8	mg/kg	30.2						
7439-96-5	Manganese	E200.8	mg/kg	183						
7440-02-0	Nickel	E200.8	mg/kg	15.9						
7782-49-2	Selenium	E200.8	mg/kg	2						
7440-22-4	Silver	E200.8	mg/kg	0.73						
7440-28-0	Thallium	E200.8	mg/kg	100000						
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548						
7440-66-6	Zinc	E200.8	mg/kg	124						
7439-97-6	Mercury	E245.5	mg/kg	0.13						
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6						
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357						
309-00-2	Aldrin	CPEST	ug/kg	2						
319-84-6	Alpha-Bhc	CPEST	ug/kg	3						
319-85-7	Beta-Bhc	CPEST	ug/kg	3						
319-86-8	Delta-Bhc	CPEST	ug/kg	3						
33213-65-9	Endosulfan II	CPEST	ug/kg	14						
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19						
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7						
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7						

				sys_loc_code:	SED104		SED105		SED106	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	RBS-SED104		RBS-SED105		RBS-SED106	
				depth:	0-3 in		0-3 in		0-3 in	
				sample_date:	04/23/2009		04/23/2009		04/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL						
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32						
60-57-1	Dieldrin	CPEST	ug/kg	0.72						
72-20-8	Endrin	CPEST	ug/kg	2.67						
72-43-5	Methoxychlor	CPEST	ug/kg	29.6						
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22						
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07						
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL						
76-44-8	Heptachlor	CPEST	ug/kg	68						
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1						
959-98-8	Endosulfan I	CPEST	ug/kg	2.9						
11096-82-5	Aroclor 1260	E608	ug/kg	21.6						
11097-69-1	Aroclor 1254	E608	ug/kg	23						
11100-14-4	Aroclor 1268	E608	ug/kg	21.6						
11104-28-2	Aroclor 1221	E608	ug/kg	21.6						
11141-16-5	Aroclor 1232	E608	ug/kg	21.6						
12672-29-6	Aroclor 1248	E608	ug/kg	21.6						
12674-11-2	Aroclor 1016	E608	ug/kg	21.6						
37324-23-5	Aroclor 1262	E608	ug/kg	21.6						
53469-21-9	Aroclor 1242	E608	ug/kg	21.6						
100-41-4	Ethylbenzene	E624	ug/kg	305						
100-42-5	Styrene	E624	ug/kg	7070						
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL						
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL						
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460						
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7						
107-06-2	1,2-Dichloroethane	E624	ug/kg	432						
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000						
108-87-2	Methylcyclohexane	E624	ug/kg	NL						
108-88-3	Toluene	E624	ug/kg	1090						
108-90-7	Chlorobenzene	E624	ug/kg	162						
110-82-7	Cyclohexane	E624	ug/kg	117000						
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473						

				sys_loc_code:	SED104		SED105		SED106	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	RBS-SED104		RBS-SED105		RBS-SED106	
				depth:	0-3 in		0-3 in		0-3 in	
				sample_date:	04/23/2009		04/23/2009		04/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
123-91-1	1,4-Dioxane	E624	ug/kg	44100						
124-48-1	Dibromochloromethane	E624	ug/kg	680						
127-18-4	Tetrachloroethene	E624	ug/kg	190						
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200						
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300						
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300						
179601-23-1	m,p-Xylene	E624	ug/kg	NL						
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842						
56-23-5	Carbon tetrachloride	E624	ug/kg	248						
591-78-6	2-Hexanone	E624	ug/kg	20900						
67-64-1	Acetone	E624	ug/kg	6130000						
67-66-3	Chloroform	E624	ug/kg	295						
71-43-2	Benzene	E624	ug/kg	137						
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856						
74-83-9	Bromomethane	E624	ug/kg	732						
74-87-3	Chloromethane	E624	ug/kg	11900						
74-97-5	Bromochloromethane	E624	ug/kg	NL						
75-00-3	Chloroethane	E624	ug/kg	1450000						
75-01-4	Vinyl Chloride	E624	ug/kg	59.7						
75-09-2	Methylene chloride	E624	ug/kg	10700						
75-15-0	Carbon Disulfide	E624	ug/kg	0.851						
75-25-2	Bromoform	E624	ug/kg	1310						
75-27-4	Bromodichloromethane	E624	ug/kg	273						
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310						
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780						
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700						
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400						
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000						
78-87-5	1,2-Dichloropropane	E624	ug/kg	895						
78-93-3	2-Butanone	E624	ug/kg	2780000						
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570						
79-01-6	Trichloroethene	E624	ug/kg	1600						
79-20-9	Methyl Acetate	E624	ug/kg	7820000						

				sys_loc_code:	SED104		SED105		SED106	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	RBS-SED104		RBS-SED105		RBS-SED106	
				depth:	0-3 in		0-3 in		0-3 in	
				sample_date:	04/23/2009		04/23/2009		04/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202						
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858						
95-47-6	o-Xylene	E624	ug/kg	NL						
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989						
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35						
98-82-8	Isopropylbenzene	E624	ug/kg	86						
100-01-6	4-Nitroaniline	E625	ug/kg	24300						
100-02-7	4-Nitrophenol	E625	ug/kg	NL						
100-52-7	Benzaldehyde	E625	ug/kg	782000						
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230						
105-60-2	Caprolactam	E625	ug/kg	3060000						
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29						
106-44-5	4-Methylphenol	E625	ug/kg	670						
106-47-8	4-Chloroaniline	E625	ug/kg	2430						
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570						
108-95-2	Phenol	E625	ug/kg	420						
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214						
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300						
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182						
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL						
118-74-1	Hexachlorobenzene	E625	ug/kg	20						
120-12-7	Anthracene	E625	ug/kg	46.9						
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117						
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6						
129-00-0	Pyrene	E625	ug/kg	153						
131-11-3	Dimethylphthalate	E625	ug/kg	NL						
132-64-9	Dibenzofuran	E625	ug/kg	7300						
1912-24-9	Atrazine	E625	ug/kg	6.62						
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170						
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17						
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148						
206-44-0	Fluoranthene	E625	ug/kg	113						
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240						

				sys_loc_code:	SED104		SED105		SED106	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	RBS-SED104		RBS-SED105		RBS-SED106	
				depth:	0-3 in		0-3 in		0-3 in	
				sample_date:	04/23/2009		04/23/2009		04/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
208-96-8	Acenaphthylene	E625	ug/kg	5.87						
218-01-9	Chrysene	E625	ug/kg	108						
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8						
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200						
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611						
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22						
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8						
58-90-2	Chlorophenols	E625	ug/kg	284						
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000						
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120						
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4						
67-72-1	Hexachloroethane	E625	ug/kg	804						
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL						
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139						
78-59-1	Isophorone	E625	ug/kg	511000						
83-32-9	Acenaphthene	E625	ug/kg	6.71						
84-66-2	Diethylphthalate	E625	ug/kg	218						
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160						
85-01-8	Phenanthrene	E625	ug/kg	86.7						
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800						
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100						
86-73-7	Fluorene	E625	ug/kg	19						
86-74-8	Carbazole	E625	ug/kg	NL						
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110						
87-86-5	Pentachlorophenol	E625	ug/kg	2970						
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650						
88-74-4	2-Nitroaniline	E625	ug/kg	60600						
88-75-5	2-Nitrophenol	E625	ug/kg	NL						
91-20-3	Naphthalene	E625	ug/kg	34.6						
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2						
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000						
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080						
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220						

				sys_loc_code:	SED104		SED105		SED106	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	RBS-SED104		RBS-SED105		RBS-SED106	
				depth:	0-3 in		0-3 in		0-3 in	
				sample_date:	04/23/2009		04/23/2009		04/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
95-48-7	2-Methylphenol	E625	ug/kg	306000						
95-57-8	2-Chlorophenol	E625	ug/kg	344						
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830						
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819						
98-86-2	Acetophenone	E625	ug/kg	782000						
98-95-3	Nitrobenzene	E625	ug/kg	4790						
99-09-2	3-Nitroaniline	E625	ug/kg	NL						

				sys_loc_code:	SED107		SED108		SED109	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	RBS-SED107		RBS-SED108		RBS-SED109	
				depth:	0-3 in		0-3 in		0-3 in	
				sample_date:	04/23/2009		04/23/2009		04/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
7429-90-5	Aluminum	C200.7	mg/kg	7740	1030	J	1060	J	6320	J
7440-36-0	Antimony	C200.7	mg/kg	2	6.6	U	6.9	U	7.3	U
7440-38-2	Arsenic	C200.7	mg/kg	0.389	1.4		2		15.4	
7440-39-3	Barium	C200.7	mg/kg	130.1	1.8	J	1.7	J	18.9	J
7440-41-7	Beryllium	C200.7	mg/kg	15.6	0.55	U	0.57	U	0.61	U
7440-43-9	Cadmium	C200.7	mg/kg	0.68	0.54	U	0.26	J	1.6	
7440-70-2	Calcium	C200.7	mg/kg	NL	546	R	930	R	641	R
7440-47-3	Chromium	C200.7	mg/kg	52.3	4.4		4.4		22.9	
7440-48-4	Cobalt	C200.7	mg/kg	2.34	5.4	U	5.6	U	2.3	J
7440-50-8	Copper	C200.7	mg/kg	18.7	1.3	J	1.7	J	10.8	
7439-89-6	Iron	C200.7	mg/kg	2000	3980		8150		29500	
7439-92-1	Lead	C200.7	mg/kg	30.2	2.6		1.7		11.3	
7439-95-4	Magnesium	C200.7	mg/kg	NL	607		590		1650	
7439-96-5	Manganese	C200.7	mg/kg	183	26.1		51.8		44.3	
7440-02-0	Nickel	C200.7	mg/kg	15.9	1.8	J	1.9	J	6.3	
7440-09-7	Potassium	C200.7	mg/kg	NL	576	J	411	J	2500	J
7782-49-2	Selenium	C200.7	mg/kg	2	3.8	U	0.64	J	2.6	J
7440-22-4	Silver	C200.7	mg/kg	0.73	1.1	U	1.1	U	1.2	U
7440-23-5	Sodium	C200.7	mg/kg	NL	1200		873		2450	
7440-28-0	Thallium	C200.7	mg/kg	100000	2.7	UJ	2.8	UJ	2.9	UJ
7440-31-5	Tin	C200.7	mg/kg	NL						
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548	5.7		7.5		57.9	
7440-66-6	Zinc	C200.7	mg/kg	124	7.3		7.8		28.2	
7429-90-5	Aluminum	E200.7	mg/kg	7740						
7440-36-0	Antimony	E200.7	mg/kg	2						
7440-38-2	Arsenic	E200.7	mg/kg	0.389						
7440-70-2	Calcium	E200.7	mg/kg	NL						
7440-47-3	Chromium	E200.7	mg/kg	52.3						
7440-50-8	Copper	E200.7	mg/kg	18.7						
7439-89-6	Iron	E200.7	mg/kg	2000						
7439-92-1	Lead	E200.7	mg/kg	30.2						
7439-95-4	Magnesium	E200.7	mg/kg	NL						
7439-96-5	Manganese	E200.7	mg/kg	183						

				sys_loc_code:	SED107		SED108		SED109	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	RBS-SED107		RBS-SED108		RBS-SED109	
				depth:	0-3 in		0-3 in		0-3 in	
				sample_date:	04/23/2009		04/23/2009		04/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
7440-02-0	Nickel	E200.7	mg/kg	15.9						
7440-09-7	Potassium	E200.7	mg/kg	NL						
7440-22-4	Silver	E200.7	mg/kg	0.73						
7440-23-5	Sodium	E200.7	mg/kg	NL						
7440-31-5	Tin	E200.7	mg/kg	NL						
7440-66-6	Zinc	E200.7	mg/kg	124						
7440-36-0	Antimony	E200.8	mg/kg	2						
7440-38-2	Arsenic	E200.8	mg/kg	0.389						
7440-39-3	Barium	E200.8	mg/kg	130.1						
7440-41-7	Beryllium	E200.8	mg/kg	15.6						
7440-43-9	Cadmium	E200.8	mg/kg	0.68						
7440-47-3	Chromium	E200.8	mg/kg	52.3						
7440-48-4	Cobalt	E200.8	mg/kg	2.34						
7440-50-8	Copper	E200.8	mg/kg	18.7						
7439-92-1	Lead	E200.8	mg/kg	30.2						
7439-96-5	Manganese	E200.8	mg/kg	183						
7440-02-0	Nickel	E200.8	mg/kg	15.9						
7782-49-2	Selenium	E200.8	mg/kg	2						
7440-22-4	Silver	E200.8	mg/kg	0.73						
7440-28-0	Thallium	E200.8	mg/kg	100000						
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548						
7440-66-6	Zinc	E200.8	mg/kg	124						
7439-97-6	Mercury	E245.5	mg/kg	0.13						
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6						
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357						
309-00-2	Aldrin	CPEST	ug/kg	2						
319-84-6	Alpha-Bhc	CPEST	ug/kg	3						
319-85-7	Beta-Bhc	CPEST	ug/kg	3						
319-86-8	Delta-Bhc	CPEST	ug/kg	3						
33213-65-9	Endosulfan II	CPEST	ug/kg	14						
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19						
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7						
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7						

				sys_loc_code:	SED107		SED108		SED109	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	RBS-SED107		RBS-SED108		RBS-SED109	
				depth:	0-3 in		0-3 in		0-3 in	
				sample_date:	04/23/2009		04/23/2009		04/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL						
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32						
60-57-1	Dieldrin	CPEST	ug/kg	0.72						
72-20-8	Endrin	CPEST	ug/kg	2.67						
72-43-5	Methoxychlor	CPEST	ug/kg	29.6						
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22						
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07						
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL						
76-44-8	Heptachlor	CPEST	ug/kg	68						
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1						
959-98-8	Endosulfan I	CPEST	ug/kg	2.9						
11096-82-5	Aroclor 1260	E608	ug/kg	21.6						
11097-69-1	Aroclor 1254	E608	ug/kg	23						
11100-14-4	Aroclor 1268	E608	ug/kg	21.6						
11104-28-2	Aroclor 1221	E608	ug/kg	21.6						
11141-16-5	Aroclor 1232	E608	ug/kg	21.6						
12672-29-6	Aroclor 1248	E608	ug/kg	21.6						
12674-11-2	Aroclor 1016	E608	ug/kg	21.6						
37324-23-5	Aroclor 1262	E608	ug/kg	21.6						
53469-21-9	Aroclor 1242	E608	ug/kg	21.6						
100-41-4	Ethylbenzene	E624	ug/kg	305						
100-42-5	Styrene	E624	ug/kg	7070						
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL						
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL						
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460						
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7						
107-06-2	1,2-Dichloroethane	E624	ug/kg	432						
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000						
108-87-2	Methylcyclohexane	E624	ug/kg	NL						
108-88-3	Toluene	E624	ug/kg	1090						
108-90-7	Chlorobenzene	E624	ug/kg	162						
110-82-7	Cyclohexane	E624	ug/kg	117000						
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473						

				sys_loc_code:	SED107		SED108		SED109	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	RBS-SED107		RBS-SED108		RBS-SED109	
				depth:	0-3 in		0-3 in		0-3 in	
				sample_date:	04/23/2009		04/23/2009		04/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
123-91-1	1,4-Dioxane	E624	ug/kg	44100						
124-48-1	Dibromochloromethane	E624	ug/kg	680						
127-18-4	Tetrachloroethene	E624	ug/kg	190						
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200						
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300						
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300						
179601-23-1	m,p-Xylene	E624	ug/kg	NL						
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842						
56-23-5	Carbon tetrachloride	E624	ug/kg	248						
591-78-6	2-Hexanone	E624	ug/kg	20900						
67-64-1	Acetone	E624	ug/kg	6130000						
67-66-3	Chloroform	E624	ug/kg	295						
71-43-2	Benzene	E624	ug/kg	137						
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856						
74-83-9	Bromomethane	E624	ug/kg	732						
74-87-3	Chloromethane	E624	ug/kg	11900						
74-97-5	Bromochloromethane	E624	ug/kg	NL						
75-00-3	Chloroethane	E624	ug/kg	1450000						
75-01-4	Vinyl Chloride	E624	ug/kg	59.7						
75-09-2	Methylene chloride	E624	ug/kg	10700						
75-15-0	Carbon Disulfide	E624	ug/kg	0.851						
75-25-2	Bromoform	E624	ug/kg	1310						
75-27-4	Bromodichloromethane	E624	ug/kg	273						
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310						
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780						
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700						
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400						
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000						
78-87-5	1,2-Dichloropropane	E624	ug/kg	895						
78-93-3	2-Butanone	E624	ug/kg	2780000						
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570						
79-01-6	Trichloroethene	E624	ug/kg	1600						
79-20-9	Methyl Acetate	E624	ug/kg	7820000						

				sys_loc_code:	SED107		SED108		SED109	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	RBS-SED107		RBS-SED108		RBS-SED109	
				depth:	0-3 in		0-3 in		0-3 in	
				sample_date:	04/23/2009		04/23/2009		04/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202						
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858						
95-47-6	o-Xylene	E624	ug/kg	NL						
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989						
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35						
98-82-8	Isopropylbenzene	E624	ug/kg	86						
100-01-6	4-Nitroaniline	E625	ug/kg	24300						
100-02-7	4-Nitrophenol	E625	ug/kg	NL						
100-52-7	Benzaldehyde	E625	ug/kg	782000						
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230						
105-60-2	Caprolactam	E625	ug/kg	3060000						
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29						
106-44-5	4-Methylphenol	E625	ug/kg	670						
106-47-8	4-Chloroaniline	E625	ug/kg	2430						
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570						
108-95-2	Phenol	E625	ug/kg	420						
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214						
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300						
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182						
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL						
118-74-1	Hexachlorobenzene	E625	ug/kg	20						
120-12-7	Anthracene	E625	ug/kg	46.9						
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117						
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6						
129-00-0	Pyrene	E625	ug/kg	153						
131-11-3	Dimethylphthalate	E625	ug/kg	NL						
132-64-9	Dibenzofuran	E625	ug/kg	7300						
1912-24-9	Atrazine	E625	ug/kg	6.62						
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170						
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17						
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148						
206-44-0	Fluoranthene	E625	ug/kg	113						
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240						

				sys_loc_code:	SED107		SED108		SED109	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	RBS-SED107		RBS-SED108		RBS-SED109	
				depth:	0-3 in		0-3 in		0-3 in	
				sample_date:	04/23/2009		04/23/2009		04/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
208-96-8	Acenaphthylene	E625	ug/kg	5.87						
218-01-9	Chrysene	E625	ug/kg	108						
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8						
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200						
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611						
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22						
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8						
58-90-2	Chlorophenols	E625	ug/kg	284						
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000						
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120						
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4						
67-72-1	Hexachloroethane	E625	ug/kg	804						
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL						
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139						
78-59-1	Isophorone	E625	ug/kg	511000						
83-32-9	Acenaphthene	E625	ug/kg	6.71						
84-66-2	Diethylphthalate	E625	ug/kg	218						
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160						
85-01-8	Phenanthrene	E625	ug/kg	86.7						
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800						
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100						
86-73-7	Fluorene	E625	ug/kg	19						
86-74-8	Carbazole	E625	ug/kg	NL						
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110						
87-86-5	Pentachlorophenol	E625	ug/kg	2970						
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650						
88-74-4	2-Nitroaniline	E625	ug/kg	60600						
88-75-5	2-Nitrophenol	E625	ug/kg	NL						
91-20-3	Naphthalene	E625	ug/kg	34.6						
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2						
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000						
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080						
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220						

				sys_loc_code:	SED107		SED108		SED109	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	RBS-SED107		RBS-SED108		RBS-SED109	
				depth:	0-3 in		0-3 in		0-3 in	
				sample_date:	04/23/2009		04/23/2009		04/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
95-48-7	2-Methylphenol	E625	ug/kg	306000						
95-57-8	2-Chlorophenol	E625	ug/kg	344						
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830						
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819						
98-86-2	Acetophenone	E625	ug/kg	782000						
98-95-3	Nitrobenzene	E625	ug/kg	4790						
99-09-2	3-Nitroaniline	E625	ug/kg	NL						

					sys_loc_code:	SED110		SED111		SED112	
					loc_name:	Area-06		Area-06		Area-06	
					sys_sample_code:	RBS-SED110		RBS-SED111		RBS-SED112	
					depth:	0-3 in		0-3 in		0-3 in	
					sample_date:	04/23/2009		04/23/2009		04/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED							
7429-90-5	Aluminum	C200.7	mg/kg	7740	1350	J	1180		1700	J
7440-36-0	Antimony	C200.7	mg/kg	2	7.8	U	7.6	U	8.5	U
7440-38-2	Arsenic	C200.7	mg/kg	0.389	3		4.7	J	3.7	
7440-39-3	Barium	C200.7	mg/kg	130.1	3.7	J	2.5	J	5.9	J
7440-41-7	Beryllium	C200.7	mg/kg	15.6	0.65	U	0.12	J	0.71	U
7440-43-9	Cadmium	C200.7	mg/kg	0.68	0.42	J	0.66		0.33	J
7440-70-2	Calcium	C200.7	mg/kg	NL	2290	R	631	U	1720	R
7440-47-3	Chromium	C200.7	mg/kg	52.3	9.3		19.4	J	8.7	
7440-48-4	Cobalt	C200.7	mg/kg	2.34	6.2	U	0.94	J	0.72	J
7440-50-8	Copper	C200.7	mg/kg	18.7	3.8		5.2	J	6.3	
7439-89-6	Iron	C200.7	mg/kg	2000	10300		10700		9960	
7439-92-1	Lead	C200.7	mg/kg	30.2	8.8		11.6		18	
7439-95-4	Magnesium	C200.7	mg/kg	NL	661		557	J	942	
7439-96-5	Manganese	C200.7	mg/kg	183	26.3		45.7		68.5	
7440-02-0	Nickel	C200.7	mg/kg	15.9	2.1	J	2.3	J	3	J
7440-09-7	Potassium	C200.7	mg/kg	NL	575	J	631	UJ	753	J
7782-49-2	Selenium	C200.7	mg/kg	2	0.72	J	0.97	J	0.98	J
7440-22-4	Silver	C200.7	mg/kg	0.73	1.2	U	1.3	U	1.4	U
7440-23-5	Sodium	C200.7	mg/kg	NL	1850		2220		2600	
7440-28-0	Thallium	C200.7	mg/kg	100000	3.1	UJ	3.2	UJ	3.5	UJ
7440-31-5	Tin	C200.7	mg/kg	NL						
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548	16.9		17		17.9	
7440-66-6	Zinc	C200.7	mg/kg	124	16.8		15.5		24.4	
7429-90-5	Aluminum	E200.7	mg/kg	7740						
7440-36-0	Antimony	E200.7	mg/kg	2						
7440-38-2	Arsenic	E200.7	mg/kg	0.389						
7440-70-2	Calcium	E200.7	mg/kg	NL						
7440-47-3	Chromium	E200.7	mg/kg	52.3						
7440-50-8	Copper	E200.7	mg/kg	18.7						
7439-89-6	Iron	E200.7	mg/kg	2000						
7439-92-1	Lead	E200.7	mg/kg	30.2						
7439-95-4	Magnesium	E200.7	mg/kg	NL						
7439-96-5	Manganese	E200.7	mg/kg	183						

				sys_loc_code:	SED110		SED111		SED112	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	RBS-SED110		RBS-SED111		RBS-SED112	
				depth:	0-3 in		0-3 in		0-3 in	
				sample_date:	04/23/2009		04/23/2009		04/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
7440-02-0	Nickel	E200.7	mg/kg	15.9						
7440-09-7	Potassium	E200.7	mg/kg	NL						
7440-22-4	Silver	E200.7	mg/kg	0.73						
7440-23-5	Sodium	E200.7	mg/kg	NL						
7440-31-5	Tin	E200.7	mg/kg	NL						
7440-66-6	Zinc	E200.7	mg/kg	124						
7440-36-0	Antimony	E200.8	mg/kg	2						
7440-38-2	Arsenic	E200.8	mg/kg	0.389						
7440-39-3	Barium	E200.8	mg/kg	130.1						
7440-41-7	Beryllium	E200.8	mg/kg	15.6						
7440-43-9	Cadmium	E200.8	mg/kg	0.68						
7440-47-3	Chromium	E200.8	mg/kg	52.3						
7440-48-4	Cobalt	E200.8	mg/kg	2.34						
7440-50-8	Copper	E200.8	mg/kg	18.7						
7439-92-1	Lead	E200.8	mg/kg	30.2						
7439-96-5	Manganese	E200.8	mg/kg	183						
7440-02-0	Nickel	E200.8	mg/kg	15.9						
7782-49-2	Selenium	E200.8	mg/kg	2						
7440-22-4	Silver	E200.8	mg/kg	0.73						
7440-28-0	Thallium	E200.8	mg/kg	100000						
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548						
7440-66-6	Zinc	E200.8	mg/kg	124						
7439-97-6	Mercury	E245.5	mg/kg	0.13						
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6						
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357						
309-00-2	Aldrin	CPEST	ug/kg	2						
319-84-6	Alpha-Bhc	CPEST	ug/kg	3						
319-85-7	Beta-Bhc	CPEST	ug/kg	3						
319-86-8	Delta-Bhc	CPEST	ug/kg	3						
33213-65-9	Endosulfan II	CPEST	ug/kg	14						
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19						
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7						
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7						

				sys_loc_code:	SED110		SED111		SED112	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	RBS-SED110		RBS-SED111		RBS-SED112	
				depth:	0-3 in		0-3 in		0-3 in	
				sample_date:	04/23/2009		04/23/2009		04/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL						
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32						
60-57-1	Dieldrin	CPEST	ug/kg	0.72						
72-20-8	Endrin	CPEST	ug/kg	2.67						
72-43-5	Methoxychlor	CPEST	ug/kg	29.6						
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22						
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07						
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL						
76-44-8	Heptachlor	CPEST	ug/kg	68						
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1						
959-98-8	Endosulfan I	CPEST	ug/kg	2.9						
11096-82-5	Aroclor 1260	E608	ug/kg	21.6						
11097-69-1	Aroclor 1254	E608	ug/kg	23						
11100-14-4	Aroclor 1268	E608	ug/kg	21.6						
11104-28-2	Aroclor 1221	E608	ug/kg	21.6						
11141-16-5	Aroclor 1232	E608	ug/kg	21.6						
12672-29-6	Aroclor 1248	E608	ug/kg	21.6						
12674-11-2	Aroclor 1016	E608	ug/kg	21.6						
37324-23-5	Aroclor 1262	E608	ug/kg	21.6						
53469-21-9	Aroclor 1242	E608	ug/kg	21.6						
100-41-4	Ethylbenzene	E624	ug/kg	305						
100-42-5	Styrene	E624	ug/kg	7070						
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL						
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL						
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460						
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7						
107-06-2	1,2-Dichloroethane	E624	ug/kg	432						
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000						
108-87-2	Methylcyclohexane	E624	ug/kg	NL						
108-88-3	Toluene	E624	ug/kg	1090						
108-90-7	Chlorobenzene	E624	ug/kg	162						
110-82-7	Cyclohexane	E624	ug/kg	117000						
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473						

				sys_loc_code:	SED110		SED111		SED112	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	RBS-SED110		RBS-SED111		RBS-SED112	
				depth:	0-3 in		0-3 in		0-3 in	
				sample_date:	04/23/2009		04/23/2009		04/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
123-91-1	1,4-Dioxane	E624	ug/kg	44100						
124-48-1	Dibromochloromethane	E624	ug/kg	680						
127-18-4	Tetrachloroethene	E624	ug/kg	190						
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200						
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300						
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300						
179601-23-1	m,p-Xylene	E624	ug/kg	NL						
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842						
56-23-5	Carbon tetrachloride	E624	ug/kg	248						
591-78-6	2-Hexanone	E624	ug/kg	20900						
67-64-1	Acetone	E624	ug/kg	6130000						
67-66-3	Chloroform	E624	ug/kg	295						
71-43-2	Benzene	E624	ug/kg	137						
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856						
74-83-9	Bromomethane	E624	ug/kg	732						
74-87-3	Chloromethane	E624	ug/kg	11900						
74-97-5	Bromochloromethane	E624	ug/kg	NL						
75-00-3	Chloroethane	E624	ug/kg	1450000						
75-01-4	Vinyl Chloride	E624	ug/kg	59.7						
75-09-2	Methylene chloride	E624	ug/kg	10700						
75-15-0	Carbon Disulfide	E624	ug/kg	0.851						
75-25-2	Bromoform	E624	ug/kg	1310						
75-27-4	Bromodichloromethane	E624	ug/kg	273						
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310						
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780						
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700						
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400						
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000						
78-87-5	1,2-Dichloropropane	E624	ug/kg	895						
78-93-3	2-Butanone	E624	ug/kg	2780000						
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570						
79-01-6	Trichloroethene	E624	ug/kg	1600						
79-20-9	Methyl Acetate	E624	ug/kg	7820000						

				sys_loc_code:	SED110		SED111		SED112	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	RBS-SED110		RBS-SED111		RBS-SED112	
				depth:	0-3 in		0-3 in		0-3 in	
				sample_date:	04/23/2009		04/23/2009		04/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202						
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858						
95-47-6	o-Xylene	E624	ug/kg	NL						
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989						
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35						
98-82-8	Isopropylbenzene	E624	ug/kg	86						
100-01-6	4-Nitroaniline	E625	ug/kg	24300						
100-02-7	4-Nitrophenol	E625	ug/kg	NL						
100-52-7	Benzaldehyde	E625	ug/kg	782000						
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230						
105-60-2	Caprolactam	E625	ug/kg	3060000						
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29						
106-44-5	4-Methylphenol	E625	ug/kg	670						
106-47-8	4-Chloroaniline	E625	ug/kg	2430						
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570						
108-95-2	Phenol	E625	ug/kg	420						
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214						
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300						
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182						
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL						
118-74-1	Hexachlorobenzene	E625	ug/kg	20						
120-12-7	Anthracene	E625	ug/kg	46.9						
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117						
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6						
129-00-0	Pyrene	E625	ug/kg	153						
131-11-3	Dimethylphthalate	E625	ug/kg	NL						
132-64-9	Dibenzofuran	E625	ug/kg	7300						
1912-24-9	Atrazine	E625	ug/kg	6.62						
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170						
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17						
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148						
206-44-0	Fluoranthene	E625	ug/kg	113						
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240						

				sys_loc_code:	SED110		SED111		SED112	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	RBS-SED110		RBS-SED111		RBS-SED112	
				depth:	0-3 in		0-3 in		0-3 in	
				sample_date:	04/23/2009		04/23/2009		04/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
208-96-8	Acenaphthylene	E625	ug/kg	5.87						
218-01-9	Chrysene	E625	ug/kg	108						
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8						
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200						
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611						
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22						
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8						
58-90-2	Chlorophenols	E625	ug/kg	284						
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000						
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120						
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4						
67-72-1	Hexachloroethane	E625	ug/kg	804						
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL						
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139						
78-59-1	Isophorone	E625	ug/kg	511000						
83-32-9	Acenaphthene	E625	ug/kg	6.71						
84-66-2	Diethylphthalate	E625	ug/kg	218						
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160						
85-01-8	Phenanthrene	E625	ug/kg	86.7						
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800						
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100						
86-73-7	Fluorene	E625	ug/kg	19						
86-74-8	Carbazole	E625	ug/kg	NL						
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110						
87-86-5	Pentachlorophenol	E625	ug/kg	2970						
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650						
88-74-4	2-Nitroaniline	E625	ug/kg	60600						
88-75-5	2-Nitrophenol	E625	ug/kg	NL						
91-20-3	Naphthalene	E625	ug/kg	34.6						
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2						
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000						
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080						
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220						

				sys_loc_code:	SED110		SED111		SED112	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	RBS-SED110		RBS-SED111		RBS-SED112	
				depth:	0-3 in		0-3 in		0-3 in	
				sample_date:	04/23/2009		04/23/2009		04/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
95-48-7	2-Methylphenol	E625	ug/kg	306000						
95-57-8	2-Chlorophenol	E625	ug/kg	344						
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830						
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819						
98-86-2	Acetophenone	E625	ug/kg	782000						
98-95-3	Nitrobenzene	E625	ug/kg	4790						
99-09-2	3-Nitroaniline	E625	ug/kg	NL						

				sys_loc_code:	SED114		SED115		SED116	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	RBS-SED114		RBS-SED115		RBS-SED116	
				depth:	0-3 in		0-3 in		0-3 in	
				sample_date:	04/23/2009		04/23/2009		04/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
7429-90-5	Aluminum	C200.7	mg/kg	7740	1290	J	1090	J	1980	
7440-36-0	Antimony	C200.7	mg/kg	2	7.1	U	7.1	U	0.76	J
7440-38-2	Arsenic	C200.7	mg/kg	0.389	5.4		2.8		3.7	J
7440-39-3	Barium	C200.7	mg/kg	130.1	4.2	J	2.7	J	8.8	J
7440-41-7	Beryllium	C200.7	mg/kg	15.6	0.59	U	0.59	U	0.23	J
7440-43-9	Cadmium	C200.7	mg/kg	0.68	0.93		0.35	J	0.68	U
7440-70-2	Calcium	C200.7	mg/kg	NL	589	R	594	R	1670	
7440-47-3	Chromium	C200.7	mg/kg	52.3	14.2		8.1		10.6	
7440-48-4	Cobalt	C200.7	mg/kg	2.34	5.7	U	5.9	U	1.8	J
7440-50-8	Copper	C200.7	mg/kg	18.7	3		3.8		8.1	J
7439-89-6	Iron	C200.7	mg/kg	2000	18100		8730		9100	
7439-92-1	Lead	C200.7	mg/kg	30.2	13.7		9.5		31.2	R
7439-95-4	Magnesium	C200.7	mg/kg	NL	446	J	434	J	846	
7439-96-5	Manganese	C200.7	mg/kg	183	31.5		32.4		64.1	
7440-02-0	Nickel	C200.7	mg/kg	15.9	1.3	J	1.7	J	3.9	J
7440-09-7	Potassium	C200.7	mg/kg	NL	464	J	403	J	709	
7782-49-2	Selenium	C200.7	mg/kg	2	1.5	J	0.58	J	4.7	U
7440-22-4	Silver	C200.7	mg/kg	0.73	1.1	U	1.2	U	1.4	U
7440-23-5	Sodium	C200.7	mg/kg	NL	1360		1400		2370	
7440-28-0	Thallium	C200.7	mg/kg	100000	2.8	UJ	2.9	UJ	3.4	U
7440-31-5	Tin	C200.7	mg/kg	NL						
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548	32.7		15.8		20.7	
7440-66-6	Zinc	C200.7	mg/kg	124	12.1		15.8		24.5	J
7429-90-5	Aluminum	E200.7	mg/kg	7740						
7440-36-0	Antimony	E200.7	mg/kg	2						
7440-38-2	Arsenic	E200.7	mg/kg	0.389						
7440-70-2	Calcium	E200.7	mg/kg	NL						
7440-47-3	Chromium	E200.7	mg/kg	52.3						
7440-50-8	Copper	E200.7	mg/kg	18.7						
7439-89-6	Iron	E200.7	mg/kg	2000						
7439-92-1	Lead	E200.7	mg/kg	30.2						
7439-95-4	Magnesium	E200.7	mg/kg	NL						
7439-96-5	Manganese	E200.7	mg/kg	183						

				sys_loc_code:	SED114		SED115		SED116	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	RBS-SED114		RBS-SED115		RBS-SED116	
				depth:	0-3 in		0-3 in		0-3 in	
				sample_date:	04/23/2009		04/23/2009		04/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
7440-02-0	Nickel	E200.7	mg/kg	15.9						
7440-09-7	Potassium	E200.7	mg/kg	NL						
7440-22-4	Silver	E200.7	mg/kg	0.73						
7440-23-5	Sodium	E200.7	mg/kg	NL						
7440-31-5	Tin	E200.7	mg/kg	NL						
7440-66-6	Zinc	E200.7	mg/kg	124						
7440-36-0	Antimony	E200.8	mg/kg	2						
7440-38-2	Arsenic	E200.8	mg/kg	0.389						
7440-39-3	Barium	E200.8	mg/kg	130.1						
7440-41-7	Beryllium	E200.8	mg/kg	15.6						
7440-43-9	Cadmium	E200.8	mg/kg	0.68						
7440-47-3	Chromium	E200.8	mg/kg	52.3						
7440-48-4	Cobalt	E200.8	mg/kg	2.34						
7440-50-8	Copper	E200.8	mg/kg	18.7						
7439-92-1	Lead	E200.8	mg/kg	30.2						
7439-96-5	Manganese	E200.8	mg/kg	183						
7440-02-0	Nickel	E200.8	mg/kg	15.9						
7782-49-2	Selenium	E200.8	mg/kg	2						
7440-22-4	Silver	E200.8	mg/kg	0.73						
7440-28-0	Thallium	E200.8	mg/kg	100000						
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548						
7440-66-6	Zinc	E200.8	mg/kg	124						
7439-97-6	Mercury	E245.5	mg/kg	0.13						
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6						
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357						
309-00-2	Aldrin	CPEST	ug/kg	2						
319-84-6	Alpha-Bhc	CPEST	ug/kg	3						
319-85-7	Beta-Bhc	CPEST	ug/kg	3						
319-86-8	Delta-Bhc	CPEST	ug/kg	3						
33213-65-9	Endosulfan II	CPEST	ug/kg	14						
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19						
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7						
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7						

				sys_loc_code:	SED114		SED115		SED116	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	RBS-SED114		RBS-SED115		RBS-SED116	
				depth:	0-3 in		0-3 in		0-3 in	
				sample_date:	04/23/2009		04/23/2009		04/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL						
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32						
60-57-1	Dieldrin	CPEST	ug/kg	0.72						
72-20-8	Endrin	CPEST	ug/kg	2.67						
72-43-5	Methoxychlor	CPEST	ug/kg	29.6						
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22						
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07						
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL						
76-44-8	Heptachlor	CPEST	ug/kg	68						
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1						
959-98-8	Endosulfan I	CPEST	ug/kg	2.9						
11096-82-5	Aroclor 1260	E608	ug/kg	21.6						
11097-69-1	Aroclor 1254	E608	ug/kg	23						
11100-14-4	Aroclor 1268	E608	ug/kg	21.6						
11104-28-2	Aroclor 1221	E608	ug/kg	21.6						
11141-16-5	Aroclor 1232	E608	ug/kg	21.6						
12672-29-6	Aroclor 1248	E608	ug/kg	21.6						
12674-11-2	Aroclor 1016	E608	ug/kg	21.6						
37324-23-5	Aroclor 1262	E608	ug/kg	21.6						
53469-21-9	Aroclor 1242	E608	ug/kg	21.6						
100-41-4	Ethylbenzene	E624	ug/kg	305						
100-42-5	Styrene	E624	ug/kg	7070						
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL						
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL						
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460						
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7						
107-06-2	1,2-Dichloroethane	E624	ug/kg	432						
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000						
108-87-2	Methylcyclohexane	E624	ug/kg	NL						
108-88-3	Toluene	E624	ug/kg	1090						
108-90-7	Chlorobenzene	E624	ug/kg	162						
110-82-7	Cyclohexane	E624	ug/kg	117000						
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473						

				sys_loc_code:	SED114		SED115		SED116	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	RBS-SED114		RBS-SED115		RBS-SED116	
				depth:	0-3 in		0-3 in		0-3 in	
				sample_date:	04/23/2009		04/23/2009		04/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
123-91-1	1,4-Dioxane	E624	ug/kg	44100						
124-48-1	Dibromochloromethane	E624	ug/kg	680						
127-18-4	Tetrachloroethene	E624	ug/kg	190						
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200						
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300						
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300						
179601-23-1	m,p-Xylene	E624	ug/kg	NL						
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842						
56-23-5	Carbon tetrachloride	E624	ug/kg	248						
591-78-6	2-Hexanone	E624	ug/kg	20900						
67-64-1	Acetone	E624	ug/kg	6130000						
67-66-3	Chloroform	E624	ug/kg	295						
71-43-2	Benzene	E624	ug/kg	137						
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856						
74-83-9	Bromomethane	E624	ug/kg	732						
74-87-3	Chloromethane	E624	ug/kg	11900						
74-97-5	Bromochloromethane	E624	ug/kg	NL						
75-00-3	Chloroethane	E624	ug/kg	1450000						
75-01-4	Vinyl Chloride	E624	ug/kg	59.7						
75-09-2	Methylene chloride	E624	ug/kg	10700						
75-15-0	Carbon Disulfide	E624	ug/kg	0.851						
75-25-2	Bromoform	E624	ug/kg	1310						
75-27-4	Bromodichloromethane	E624	ug/kg	273						
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310						
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780						
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700						
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400						
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000						
78-87-5	1,2-Dichloropropane	E624	ug/kg	895						
78-93-3	2-Butanone	E624	ug/kg	2780000						
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570						
79-01-6	Trichloroethene	E624	ug/kg	1600						
79-20-9	Methyl Acetate	E624	ug/kg	7820000						

				sys_loc_code:	SED114		SED115		SED116	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	RBS-SED114		RBS-SED115		RBS-SED116	
				depth:	0-3 in		0-3 in		0-3 in	
				sample_date:	04/23/2009		04/23/2009		04/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202						
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858						
95-47-6	o-Xylene	E624	ug/kg	NL						
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989						
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35						
98-82-8	Isopropylbenzene	E624	ug/kg	86						
100-01-6	4-Nitroaniline	E625	ug/kg	24300						
100-02-7	4-Nitrophenol	E625	ug/kg	NL						
100-52-7	Benzaldehyde	E625	ug/kg	782000						
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230						
105-60-2	Caprolactam	E625	ug/kg	3060000						
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29						
106-44-5	4-Methylphenol	E625	ug/kg	670						
106-47-8	4-Chloroaniline	E625	ug/kg	2430						
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570						
108-95-2	Phenol	E625	ug/kg	420						
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214						
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300						
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182						
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL						
118-74-1	Hexachlorobenzene	E625	ug/kg	20						
120-12-7	Anthracene	E625	ug/kg	46.9						
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117						
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6						
129-00-0	Pyrene	E625	ug/kg	153						
131-11-3	Dimethylphthalate	E625	ug/kg	NL						
132-64-9	Dibenzofuran	E625	ug/kg	7300						
1912-24-9	Atrazine	E625	ug/kg	6.62						
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170						
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17						
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148						
206-44-0	Fluoranthene	E625	ug/kg	113						
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240						

				sys_loc_code:	SED114		SED115		SED116	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	RBS-SED114		RBS-SED115		RBS-SED116	
				depth:	0-3 in		0-3 in		0-3 in	
				sample_date:	04/23/2009		04/23/2009		04/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
208-96-8	Acenaphthylene	E625	ug/kg	5.87						
218-01-9	Chrysene	E625	ug/kg	108						
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8						
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200						
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611						
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22						
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8						
58-90-2	Chlorophenols	E625	ug/kg	284						
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000						
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120						
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4						
67-72-1	Hexachloroethane	E625	ug/kg	804						
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL						
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139						
78-59-1	Isophorone	E625	ug/kg	511000						
83-32-9	Acenaphthene	E625	ug/kg	6.71						
84-66-2	Diethylphthalate	E625	ug/kg	218						
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160						
85-01-8	Phenanthrene	E625	ug/kg	86.7						
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800						
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100						
86-73-7	Fluorene	E625	ug/kg	19						
86-74-8	Carbazole	E625	ug/kg	NL						
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110						
87-86-5	Pentachlorophenol	E625	ug/kg	2970						
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650						
88-74-4	2-Nitroaniline	E625	ug/kg	60600						
88-75-5	2-Nitrophenol	E625	ug/kg	NL						
91-20-3	Naphthalene	E625	ug/kg	34.6						
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2						
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000						
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080						
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220						

				sys_loc_code:	SED114		SED115		SED116	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	RBS-SED114		RBS-SED115		RBS-SED116	
				depth:	0-3 in		0-3 in		0-3 in	
				sample_date:	04/23/2009		04/23/2009		04/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
95-48-7	2-Methylphenol	E625	ug/kg	306000						
95-57-8	2-Chlorophenol	E625	ug/kg	344						
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830						
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819						
98-86-2	Acetophenone	E625	ug/kg	782000						
98-95-3	Nitrobenzene	E625	ug/kg	4790						
99-09-2	3-Nitroaniline	E625	ug/kg	NL						

				sys_loc_code:	SED117		SED118		SED119	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	RBS-SED117		RBS-SED118		RBS-SED119	
				depth:	0-3 in		0-3 in		0-3 in	
				sample_date:	04/23/2009		04/23/2009		04/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
7429-90-5	Aluminum	C200.7	mg/kg	7740	942		1560		1650	
7440-36-0	Antimony	C200.7	mg/kg	2	0.51	J	0.52	J	1.3	J
7440-38-2	Arsenic	C200.7	mg/kg	0.389	3.6	J	3.5	J	5.2	J
7440-39-3	Barium	C200.7	mg/kg	130.1	2.7	J	5.8	J	5	J
7440-41-7	Beryllium	C200.7	mg/kg	15.6	0.13	J	0.23	J	0.22	J
7440-43-9	Cadmium	C200.7	mg/kg	0.68	0.66	U	0.63	U	0.67	U
7440-70-2	Calcium	C200.7	mg/kg	NL	381	J	729		621	J
7440-47-3	Chromium	C200.7	mg/kg	52.3	7.8		15.3		11.4	
7440-48-4	Cobalt	C200.7	mg/kg	2.34	0.65	J	1.7	J	2.3	J
7440-50-8	Copper	C200.7	mg/kg	18.7	2.9	J	6.3	J	7.1	J
7439-89-6	Iron	C200.7	mg/kg	2000	11400		8830		21700	
7439-92-1	Lead	C200.7	mg/kg	30.2	9.2	R	11.6	R	34.6	R
7439-95-4	Magnesium	C200.7	mg/kg	NL	442	J	675		686	
7439-96-5	Manganese	C200.7	mg/kg	183	25.2		20.8		86	
7440-02-0	Nickel	C200.7	mg/kg	15.9	1	J	2.2	J	3.3	J
7440-09-7	Potassium	C200.7	mg/kg	NL	359	J	609	J	435	J
7782-49-2	Selenium	C200.7	mg/kg	2	4.6	U	4.4	U	4.7	U
7440-22-4	Silver	C200.7	mg/kg	0.73	1.3	U	1.3	U	1.3	U
7440-23-5	Sodium	C200.7	mg/kg	NL	1430		2090		1900	
7440-28-0	Thallium	C200.7	mg/kg	100000	3.3	U	3.1	U	3.4	U
7440-31-5	Tin	C200.7	mg/kg	NL						
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548	17.1		27.6		34.1	
7440-66-6	Zinc	C200.7	mg/kg	124	9.6	J	13.5	J	29.3	J
7429-90-5	Aluminum	E200.7	mg/kg	7740						
7440-36-0	Antimony	E200.7	mg/kg	2						
7440-38-2	Arsenic	E200.7	mg/kg	0.389						
7440-70-2	Calcium	E200.7	mg/kg	NL						
7440-47-3	Chromium	E200.7	mg/kg	52.3						
7440-50-8	Copper	E200.7	mg/kg	18.7						
7439-89-6	Iron	E200.7	mg/kg	2000						
7439-92-1	Lead	E200.7	mg/kg	30.2						
7439-95-4	Magnesium	E200.7	mg/kg	NL						
7439-96-5	Manganese	E200.7	mg/kg	183						

				sys_loc_code:	SED117		SED118		SED119	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	RBS-SED117		RBS-SED118		RBS-SED119	
				depth:	0-3 in		0-3 in		0-3 in	
				sample_date:	04/23/2009		04/23/2009		04/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
7440-02-0	Nickel	E200.7	mg/kg	15.9						
7440-09-7	Potassium	E200.7	mg/kg	NL						
7440-22-4	Silver	E200.7	mg/kg	0.73						
7440-23-5	Sodium	E200.7	mg/kg	NL						
7440-31-5	Tin	E200.7	mg/kg	NL						
7440-66-6	Zinc	E200.7	mg/kg	124						
7440-36-0	Antimony	E200.8	mg/kg	2						
7440-38-2	Arsenic	E200.8	mg/kg	0.389						
7440-39-3	Barium	E200.8	mg/kg	130.1						
7440-41-7	Beryllium	E200.8	mg/kg	15.6						
7440-43-9	Cadmium	E200.8	mg/kg	0.68						
7440-47-3	Chromium	E200.8	mg/kg	52.3						
7440-48-4	Cobalt	E200.8	mg/kg	2.34						
7440-50-8	Copper	E200.8	mg/kg	18.7						
7439-92-1	Lead	E200.8	mg/kg	30.2						
7439-96-5	Manganese	E200.8	mg/kg	183						
7440-02-0	Nickel	E200.8	mg/kg	15.9						
7782-49-2	Selenium	E200.8	mg/kg	2						
7440-22-4	Silver	E200.8	mg/kg	0.73						
7440-28-0	Thallium	E200.8	mg/kg	100000						
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548						
7440-66-6	Zinc	E200.8	mg/kg	124						
7439-97-6	Mercury	E245.5	mg/kg	0.13						
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6						
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357						
309-00-2	Aldrin	CPEST	ug/kg	2						
319-84-6	Alpha-Bhc	CPEST	ug/kg	3						
319-85-7	Beta-Bhc	CPEST	ug/kg	3						
319-86-8	Delta-Bhc	CPEST	ug/kg	3						
33213-65-9	Endosulfan II	CPEST	ug/kg	14						
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19						
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7						
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7						

				sys_loc_code:	SED117		SED118		SED119	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	RBS-SED117		RBS-SED118		RBS-SED119	
				depth:	0-3 in		0-3 in		0-3 in	
				sample_date:	04/23/2009		04/23/2009		04/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL						
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32						
60-57-1	Dieldrin	CPEST	ug/kg	0.72						
72-20-8	Endrin	CPEST	ug/kg	2.67						
72-43-5	Methoxychlor	CPEST	ug/kg	29.6						
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22						
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07						
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL						
76-44-8	Heptachlor	CPEST	ug/kg	68						
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1						
959-98-8	Endosulfan I	CPEST	ug/kg	2.9						
11096-82-5	Aroclor 1260	E608	ug/kg	21.6						
11097-69-1	Aroclor 1254	E608	ug/kg	23						
11100-14-4	Aroclor 1268	E608	ug/kg	21.6						
11104-28-2	Aroclor 1221	E608	ug/kg	21.6						
11141-16-5	Aroclor 1232	E608	ug/kg	21.6						
12672-29-6	Aroclor 1248	E608	ug/kg	21.6						
12674-11-2	Aroclor 1016	E608	ug/kg	21.6						
37324-23-5	Aroclor 1262	E608	ug/kg	21.6						
53469-21-9	Aroclor 1242	E608	ug/kg	21.6						
100-41-4	Ethylbenzene	E624	ug/kg	305						
100-42-5	Styrene	E624	ug/kg	7070						
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL						
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL						
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460						
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7						
107-06-2	1,2-Dichloroethane	E624	ug/kg	432						
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000						
108-87-2	Methylcyclohexane	E624	ug/kg	NL						
108-88-3	Toluene	E624	ug/kg	1090						
108-90-7	Chlorobenzene	E624	ug/kg	162						
110-82-7	Cyclohexane	E624	ug/kg	117000						
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473						

				sys_loc_code:	SED117		SED118		SED119	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	RBS-SED117		RBS-SED118		RBS-SED119	
				depth:	0-3 in		0-3 in		0-3 in	
				sample_date:	04/23/2009		04/23/2009		04/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
123-91-1	1,4-Dioxane	E624	ug/kg	44100						
124-48-1	Dibromochloromethane	E624	ug/kg	680						
127-18-4	Tetrachloroethene	E624	ug/kg	190						
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200						
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300						
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300						
179601-23-1	m,p-Xylene	E624	ug/kg	NL						
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842						
56-23-5	Carbon tetrachloride	E624	ug/kg	248						
591-78-6	2-Hexanone	E624	ug/kg	20900						
67-64-1	Acetone	E624	ug/kg	6130000						
67-66-3	Chloroform	E624	ug/kg	295						
71-43-2	Benzene	E624	ug/kg	137						
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856						
74-83-9	Bromomethane	E624	ug/kg	732						
74-87-3	Chloromethane	E624	ug/kg	11900						
74-97-5	Bromochloromethane	E624	ug/kg	NL						
75-00-3	Chloroethane	E624	ug/kg	1450000						
75-01-4	Vinyl Chloride	E624	ug/kg	59.7						
75-09-2	Methylene chloride	E624	ug/kg	10700						
75-15-0	Carbon Disulfide	E624	ug/kg	0.851						
75-25-2	Bromoform	E624	ug/kg	1310						
75-27-4	Bromodichloromethane	E624	ug/kg	273						
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310						
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780						
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700						
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400						
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000						
78-87-5	1,2-Dichloropropane	E624	ug/kg	895						
78-93-3	2-Butanone	E624	ug/kg	2780000						
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570						
79-01-6	Trichloroethene	E624	ug/kg	1600						
79-20-9	Methyl Acetate	E624	ug/kg	7820000						

				sys_loc_code:	SED117		SED118		SED119	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	RBS-SED117		RBS-SED118		RBS-SED119	
				depth:	0-3 in		0-3 in		0-3 in	
				sample_date:	04/23/2009		04/23/2009		04/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202						
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858						
95-47-6	o-Xylene	E624	ug/kg	NL						
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989						
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35						
98-82-8	Isopropylbenzene	E624	ug/kg	86						
100-01-6	4-Nitroaniline	E625	ug/kg	24300						
100-02-7	4-Nitrophenol	E625	ug/kg	NL						
100-52-7	Benzaldehyde	E625	ug/kg	782000						
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230						
105-60-2	Caprolactam	E625	ug/kg	3060000						
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29						
106-44-5	4-Methylphenol	E625	ug/kg	670						
106-47-8	4-Chloroaniline	E625	ug/kg	2430						
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570						
108-95-2	Phenol	E625	ug/kg	420						
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214						
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300						
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182						
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL						
118-74-1	Hexachlorobenzene	E625	ug/kg	20						
120-12-7	Anthracene	E625	ug/kg	46.9						
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117						
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6						
129-00-0	Pyrene	E625	ug/kg	153						
131-11-3	Dimethylphthalate	E625	ug/kg	NL						
132-64-9	Dibenzofuran	E625	ug/kg	7300						
1912-24-9	Atrazine	E625	ug/kg	6.62						
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170						
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17						
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148						
206-44-0	Fluoranthene	E625	ug/kg	113						
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240						

				sys_loc_code:	SED117		SED118		SED119	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	RBS-SED117		RBS-SED118		RBS-SED119	
				depth:	0-3 in		0-3 in		0-3 in	
				sample_date:	04/23/2009		04/23/2009		04/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
208-96-8	Acenaphthylene	E625	ug/kg	5.87						
218-01-9	Chrysene	E625	ug/kg	108						
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8						
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200						
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611						
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22						
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8						
58-90-2	Chlorophenols	E625	ug/kg	284						
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000						
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120						
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4						
67-72-1	Hexachloroethane	E625	ug/kg	804						
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL						
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139						
78-59-1	Isophorone	E625	ug/kg	511000						
83-32-9	Acenaphthene	E625	ug/kg	6.71						
84-66-2	Diethylphthalate	E625	ug/kg	218						
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160						
85-01-8	Phenanthrene	E625	ug/kg	86.7						
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800						
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100						
86-73-7	Fluorene	E625	ug/kg	19						
86-74-8	Carbazole	E625	ug/kg	NL						
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110						
87-86-5	Pentachlorophenol	E625	ug/kg	2970						
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650						
88-74-4	2-Nitroaniline	E625	ug/kg	60600						
88-75-5	2-Nitrophenol	E625	ug/kg	NL						
91-20-3	Naphthalene	E625	ug/kg	34.6						
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2						
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000						
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080						
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220						

				sys_loc_code:	SED117		SED118		SED119	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	RBS-SED117		RBS-SED118		RBS-SED119	
				depth:	0-3 in		0-3 in		0-3 in	
				sample_date:	04/23/2009		04/23/2009		04/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
95-48-7	2-Methylphenol	E625	ug/kg	306000						
95-57-8	2-Chlorophenol	E625	ug/kg	344						
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830						
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819						
98-86-2	Acetophenone	E625	ug/kg	782000						
98-95-3	Nitrobenzene	E625	ug/kg	4790						
99-09-2	3-Nitroaniline	E625	ug/kg	NL						

				sys_loc_code:	SED12		SED36		SED37		
				loc_name:	Area-01		Area-06		Area-06		
				sys_sample_code:	RBS-SED12		RBS-SED36		RBS-SED37		
				depth:	0-3 in		0-3 in		0-3 in		
				sample_date:	09/12/2008		09/12/2008		09/12/2008		
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED							
7429-90-5	Aluminum	C200.7	mg/kg	7740	1050	R	1050	J	1160	J	
7440-36-0	Antimony	C200.7	mg/kg	2	26	R	6.3	UJ	6.3	UJ	
7440-38-2	Arsenic	C200.7	mg/kg	0.389	29.4	R	1.9		2.9		
7440-39-3	Barium	C200.7	mg/kg	130.1	5.1	J	20.9	UJ	20.9	UJ	
7440-41-7	Beryllium	C200.7	mg/kg	15.6	0.6	U	0.52	U	0.52	U	
7440-43-9	Cadmium	C200.7	mg/kg	0.68	0.25	J	0.52	U	0.52	U	
7440-70-2	Calcium	C200.7	mg/kg	NL	2740	J	419	J	2600		
7440-47-3	Chromium	C200.7	mg/kg	52.3	10.4		6.2		21.4		
7440-48-4	Cobalt	C200.7	mg/kg	2.34	1.2	J	5.2	U	5.2	U	
7440-50-8	Copper	C200.7	mg/kg	18.7	31.8	R	1.2	J	2.2	J	
7439-89-6	Iron	C200.7	mg/kg	2000	14300		5590		10600		
7439-92-1	Lead	C200.7	mg/kg	30.2	660		3		3		
7439-95-4	Magnesium	C200.7	mg/kg	NL	426	J	556		550		
7439-96-5	Manganese	C200.7	mg/kg	183	23.4	R	110		39.9		
7440-02-0	Nickel	C200.7	mg/kg	15.9	5.8		4.2	U	4.2	U	
7440-09-7	Potassium	C200.7	mg/kg	NL	168	J	347	J	274	J	
7782-49-2	Selenium	C200.7	mg/kg	2	0.78	J	3.7	U	3.7	U	
7440-22-4	Silver	C200.7	mg/kg	0.73	1.2	U	1	UJ	1	UJ	
7440-23-5	Sodium	C200.7	mg/kg	NL	1310	J	524	U	524	U	
7440-28-0	Thallium	C200.7	mg/kg	100000	3	UJ	2.6	U	2.6	U	
7440-31-5	Tin	C200.7	mg/kg	NL	53.6	J	10.5	U	10.5	U	
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548	20.4	J	6.9	J	18	J	
7440-66-6	Zinc	C200.7	mg/kg	124	54.9	J	7.9		11.3		
7429-90-5	Aluminum	E200.7	mg/kg	7740							
7440-36-0	Antimony	E200.7	mg/kg	2	26	R					
7440-38-2	Arsenic	E200.7	mg/kg	0.389	29.4	R					
7440-70-2	Calcium	E200.7	mg/kg	NL							
7440-47-3	Chromium	E200.7	mg/kg	52.3	10.4						
7440-50-8	Copper	E200.7	mg/kg	18.7	31.8	R					
7439-89-6	Iron	E200.7	mg/kg	2000							
7439-92-1	Lead	E200.7	mg/kg	30.2	660						
7439-95-4	Magnesium	E200.7	mg/kg	NL							
7439-96-5	Manganese	E200.7	mg/kg	183	23.4	R					

				sys_loc_code:	SED12		SED36		SED37	
				loc_name:	Area-01		Area-06		Area-06	
				sys_sample_code:	RBS-SED12		RBS-SED36		RBS-SED37	
				depth:	0-3 in		0-3 in		0-3 in	
				sample_date:	09/12/2008		09/12/2008		09/12/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
7440-02-0	Nickel	E200.7	mg/kg	15.9	5.8					
7440-09-7	Potassium	E200.7	mg/kg	NL						
7440-22-4	Silver	E200.7	mg/kg	0.73	1.2	U				
7440-23-5	Sodium	E200.7	mg/kg	NL						
7440-31-5	Tin	E200.7	mg/kg	NL	53.6	J				
7440-66-6	Zinc	E200.7	mg/kg	124	54.9	J				
7440-36-0	Antimony	E200.8	mg/kg	2						
7440-38-2	Arsenic	E200.8	mg/kg	0.389						
7440-39-3	Barium	E200.8	mg/kg	130.1						
7440-41-7	Beryllium	E200.8	mg/kg	15.6						
7440-43-9	Cadmium	E200.8	mg/kg	0.68						
7440-47-3	Chromium	E200.8	mg/kg	52.3						
7440-48-4	Cobalt	E200.8	mg/kg	2.34						
7440-50-8	Copper	E200.8	mg/kg	18.7						
7439-92-1	Lead	E200.8	mg/kg	30.2						
7439-96-5	Manganese	E200.8	mg/kg	183						
7440-02-0	Nickel	E200.8	mg/kg	15.9						
7782-49-2	Selenium	E200.8	mg/kg	2						
7440-22-4	Silver	E200.8	mg/kg	0.73						
7440-28-0	Thallium	E200.8	mg/kg	100000						
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548						
7440-66-6	Zinc	E200.8	mg/kg	124						
7439-97-6	Mercury	E245.5	mg/kg	0.13						
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6						
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357						
309-00-2	Aldrin	CPEST	ug/kg	2						
319-84-6	Alpha-Bhc	CPEST	ug/kg	3						
319-85-7	Beta-Bhc	CPEST	ug/kg	3						
319-86-8	Delta-Bhc	CPEST	ug/kg	3						
33213-65-9	Endosulfan II	CPEST	ug/kg	14						
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19						
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7						
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7						

				sys_loc_code:	SED12		SED36		SED37	
				loc_name:	Area-01		Area-06		Area-06	
				sys_sample_code:	RBS-SED12		RBS-SED36		RBS-SED37	
				depth:	0-3 in		0-3 in		0-3 in	
				sample_date:	09/12/2008		09/12/2008		09/12/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL						
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32						
60-57-1	Dieldrin	CPEST	ug/kg	0.72						
72-20-8	Endrin	CPEST	ug/kg	2.67						
72-43-5	Methoxychlor	CPEST	ug/kg	29.6						
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22						
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07						
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL						
76-44-8	Heptachlor	CPEST	ug/kg	68						
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1						
959-98-8	Endosulfan I	CPEST	ug/kg	2.9						
11096-82-5	Aroclor 1260	E608	ug/kg	21.6						
11097-69-1	Aroclor 1254	E608	ug/kg	23						
11100-14-4	Aroclor 1268	E608	ug/kg	21.6						
11104-28-2	Aroclor 1221	E608	ug/kg	21.6						
11141-16-5	Aroclor 1232	E608	ug/kg	21.6						
12672-29-6	Aroclor 1248	E608	ug/kg	21.6						
12674-11-2	Aroclor 1016	E608	ug/kg	21.6						
37324-23-5	Aroclor 1262	E608	ug/kg	21.6						
53469-21-9	Aroclor 1242	E608	ug/kg	21.6						
100-41-4	Ethylbenzene	E624	ug/kg	305						
100-42-5	Styrene	E624	ug/kg	7070						
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL						
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL						
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460						
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7						
107-06-2	1,2-Dichloroethane	E624	ug/kg	432						
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000						
108-87-2	Methylcyclohexane	E624	ug/kg	NL						
108-88-3	Toluene	E624	ug/kg	1090						
108-90-7	Chlorobenzene	E624	ug/kg	162						
110-82-7	Cyclohexane	E624	ug/kg	117000						
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473						

				sys_loc_code:	SED12		SED36		SED37	
				loc_name:	Area-01		Area-06		Area-06	
				sys_sample_code:	RBS-SED12		RBS-SED36		RBS-SED37	
				depth:	0-3 in		0-3 in		0-3 in	
				sample_date:	09/12/2008		09/12/2008		09/12/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
123-91-1	1,4-Dioxane	E624	ug/kg	44100						
124-48-1	Dibromochloromethane	E624	ug/kg	680						
127-18-4	Tetrachloroethene	E624	ug/kg	190						
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200						
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300						
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300						
179601-23-1	m,p-Xylene	E624	ug/kg	NL						
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842						
56-23-5	Carbon tetrachloride	E624	ug/kg	248						
591-78-6	2-Hexanone	E624	ug/kg	20900						
67-64-1	Acetone	E624	ug/kg	6130000						
67-66-3	Chloroform	E624	ug/kg	295						
71-43-2	Benzene	E624	ug/kg	137						
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856						
74-83-9	Bromomethane	E624	ug/kg	732						
74-87-3	Chloromethane	E624	ug/kg	11900						
74-97-5	Bromochloromethane	E624	ug/kg	NL						
75-00-3	Chloroethane	E624	ug/kg	1450000						
75-01-4	Vinyl Chloride	E624	ug/kg	59.7						
75-09-2	Methylene chloride	E624	ug/kg	10700						
75-15-0	Carbon Disulfide	E624	ug/kg	0.851						
75-25-2	Bromoform	E624	ug/kg	1310						
75-27-4	Bromodichloromethane	E624	ug/kg	273						
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310						
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780						
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700						
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400						
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000						
78-87-5	1,2-Dichloropropane	E624	ug/kg	895						
78-93-3	2-Butanone	E624	ug/kg	2780000						
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570						
79-01-6	Trichloroethene	E624	ug/kg	1600						
79-20-9	Methyl Acetate	E624	ug/kg	7820000						

				sys_loc_code:	SED12		SED36		SED37	
				loc_name:	Area-01		Area-06		Area-06	
				sys_sample_code:	RBS-SED12		RBS-SED36		RBS-SED37	
				depth:	0-3 in		0-3 in		0-3 in	
				sample_date:	09/12/2008		09/12/2008		09/12/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202						
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858						
95-47-6	o-Xylene	E624	ug/kg	NL						
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989						
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35						
98-82-8	Isopropylbenzene	E624	ug/kg	86						
100-01-6	4-Nitroaniline	E625	ug/kg	24300						
100-02-7	4-Nitrophenol	E625	ug/kg	NL						
100-52-7	Benzaldehyde	E625	ug/kg	782000						
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230						
105-60-2	Caprolactam	E625	ug/kg	3060000						
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29						
106-44-5	4-Methylphenol	E625	ug/kg	670						
106-47-8	4-Chloroaniline	E625	ug/kg	2430						
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570						
108-95-2	Phenol	E625	ug/kg	420						
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214						
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300						
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182						
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL						
118-74-1	Hexachlorobenzene	E625	ug/kg	20						
120-12-7	Anthracene	E625	ug/kg	46.9						
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117						
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6						
129-00-0	Pyrene	E625	ug/kg	153						
131-11-3	Dimethylphthalate	E625	ug/kg	NL						
132-64-9	Dibenzofuran	E625	ug/kg	7300						
1912-24-9	Atrazine	E625	ug/kg	6.62						
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170						
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17						
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148						
206-44-0	Fluoranthene	E625	ug/kg	113						
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240						

				sys_loc_code:	SED12		SED36		SED37	
				loc_name:	Area-01		Area-06		Area-06	
				sys_sample_code:	RBS-SED12		RBS-SED36		RBS-SED37	
				depth:	0-3 in		0-3 in		0-3 in	
				sample_date:	09/12/2008		09/12/2008		09/12/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
208-96-8	Acenaphthylene	E625	ug/kg	5.87						
218-01-9	Chrysene	E625	ug/kg	108						
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8						
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200						
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611						
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22						
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8						
58-90-2	Chlorophenols	E625	ug/kg	284						
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000						
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120						
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4						
67-72-1	Hexachloroethane	E625	ug/kg	804						
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL						
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139						
78-59-1	Isophorone	E625	ug/kg	511000						
83-32-9	Acenaphthene	E625	ug/kg	6.71						
84-66-2	Diethylphthalate	E625	ug/kg	218						
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160						
85-01-8	Phenanthrene	E625	ug/kg	86.7						
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800						
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100						
86-73-7	Fluorene	E625	ug/kg	19						
86-74-8	Carbazole	E625	ug/kg	NL						
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110						
87-86-5	Pentachlorophenol	E625	ug/kg	2970						
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650						
88-74-4	2-Nitroaniline	E625	ug/kg	60600						
88-75-5	2-Nitrophenol	E625	ug/kg	NL						
91-20-3	Naphthalene	E625	ug/kg	34.6						
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2						
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000						
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080						
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220						

				sys_loc_code:	SED12		SED36		SED37	
				loc_name:	Area-01		Area-06		Area-06	
				sys_sample_code:	RBS-SED12		RBS-SED36		RBS-SED37	
				depth:	0-3 in		0-3 in		0-3 in	
				sample_date:	09/12/2008		09/12/2008		09/12/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
95-48-7	2-Methylphenol	E625	ug/kg	306000						
95-57-8	2-Chlorophenol	E625	ug/kg	344						
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830						
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819						
98-86-2	Acetophenone	E625	ug/kg	782000						
98-95-3	Nitrobenzene	E625	ug/kg	4790						
99-09-2	3-Nitroaniline	E625	ug/kg	NL						

					sys_loc_code:	SED39		SED40		SED41	
					loc_name:	Area-06		Area-06		Area-06	
					sys_sample_code:	RBS-SED39		RBS-SED40		RBS-SED41	
					depth:	0-3 in		0-3 in		0-3 in	
					sample_date:	09/12/2008		09/12/2008		09/12/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED							
7429-90-5	Aluminum	C200.7	mg/kg	7740	947 875	J J	921	J	1090	J
7440-36-0	Antimony	C200.7	mg/kg	2	6.5 6.1	UJ UJ	7.6	UJ	6.2	UJ
7440-38-2	Arsenic	C200.7	mg/kg	0.389	2.3 1.9		1.5		3.1	
7440-39-3	Barium	C200.7	mg/kg	130.1	21.7 20.4	UJ UJ	25.3	UJ	20.7	UJ
7440-41-7	Beryllium	C200.7	mg/kg	15.6	0.54 0.51	U U	0.63	U	0.52	U
7440-43-9	Cadmium	C200.7	mg/kg	0.68	0.54 0.51	U U	0.63	U	0.52	U
7440-70-2	Calcium	C200.7	mg/kg	NL	526 682	J	430	J	2180	J
7440-47-3	Chromium	C200.7	mg/kg	52.3	5.1 4		4.1		3.6	R
7440-48-4	Cobalt	C200.7	mg/kg	2.34	5.4 5.1	U U	6.3	U	5.2	U
7440-50-8	Copper	C200.7	mg/kg	18.7	0.99 1.5	J J	1.1	J	0.94	J
7439-89-6	Iron	C200.7	mg/kg	2000	5880 6170		3940		6010	
7439-92-1	Lead	C200.7	mg/kg	30.2	2.5 5.5		2	J	1.9	R
7439-95-4	Magnesium	C200.7	mg/kg	NL	554 407	J	696		475	J
7439-96-5	Manganese	C200.7	mg/kg	183	53.4 51.6		41.5		47.9	
7440-02-0	Nickel	C200.7	mg/kg	15.9	4.3 4.1	U U	5.1	U	4.5	U
7440-09-7	Potassium	C200.7	mg/kg	NL	334 311	J J	539	J	334	J
7782-49-2	Selenium	C200.7	mg/kg	2	3.8 3.6	U U	4.4	U	3.6	U
7440-22-4	Silver	C200.7	mg/kg	0.73	1.1 1	UJ UJ	1.3	UJ	1	UJ
7440-23-5	Sodium	C200.7	mg/kg	NL	555 510	U	1890		519	U
7440-28-0	Thallium	C200.7	mg/kg	100000	2.7 2.5	U U	3.2	U	2.6	U
7440-31-5	Tin	C200.7	mg/kg	NL	10.9 10.2	U U	12.6	U	10.4	U
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548	6.3 7.3	J J	6.3	UJ	5.6	J
7440-66-6	Zinc	C200.7	mg/kg	124	9.7 8.6		7.6	U	9.3	
7429-90-5	Aluminum	E200.7	mg/kg	7740						
7440-36-0	Antimony	E200.7	mg/kg	2						
7440-38-2	Arsenic	E200.7	mg/kg	0.389						
7440-70-2	Calcium	E200.7	mg/kg	NL						
7440-47-3	Chromium	E200.7	mg/kg	52.3						
7440-50-8	Copper	E200.7	mg/kg	18.7						
7439-89-6	Iron	E200.7	mg/kg	2000						
7439-92-1	Lead	E200.7	mg/kg	30.2						
7439-95-4	Magnesium	E200.7	mg/kg	NL						
7439-96-5	Manganese	E200.7	mg/kg	183						

				sys_loc_code:	SED39		SED40		SED41	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	RBS-SED39		RBS-SED40		RBS-SED41	
				depth:	0-3 in		0-3 in		0-3 in	
				sample_date:	09/12/2008		09/12/2008		09/12/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
7440-02-0	Nickel	E200.7	mg/kg	15.9						
7440-09-7	Potassium	E200.7	mg/kg	NL						
7440-22-4	Silver	E200.7	mg/kg	0.73						
7440-23-5	Sodium	E200.7	mg/kg	NL						
7440-31-5	Tin	E200.7	mg/kg	NL						
7440-66-6	Zinc	E200.7	mg/kg	124						
7440-36-0	Antimony	E200.8	mg/kg	2						
7440-38-2	Arsenic	E200.8	mg/kg	0.389						
7440-39-3	Barium	E200.8	mg/kg	130.1						
7440-41-7	Beryllium	E200.8	mg/kg	15.6						
7440-43-9	Cadmium	E200.8	mg/kg	0.68						
7440-47-3	Chromium	E200.8	mg/kg	52.3						
7440-48-4	Cobalt	E200.8	mg/kg	2.34						
7440-50-8	Copper	E200.8	mg/kg	18.7						
7439-92-1	Lead	E200.8	mg/kg	30.2						
7439-96-5	Manganese	E200.8	mg/kg	183						
7440-02-0	Nickel	E200.8	mg/kg	15.9						
7782-49-2	Selenium	E200.8	mg/kg	2						
7440-22-4	Silver	E200.8	mg/kg	0.73						
7440-28-0	Thallium	E200.8	mg/kg	100000						
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548						
7440-66-6	Zinc	E200.8	mg/kg	124						
7439-97-6	Mercury	E245.5	mg/kg	0.13						
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6						
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357						
309-00-2	Aldrin	CPEST	ug/kg	2						
319-84-6	Alpha-Bhc	CPEST	ug/kg	3						
319-85-7	Beta-Bhc	CPEST	ug/kg	3						
319-86-8	Delta-Bhc	CPEST	ug/kg	3						
33213-65-9	Endosulfan II	CPEST	ug/kg	14						
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19						
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7						
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7						

				sys_loc_code:	SED39		SED40		SED41	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	RBS-SED39		RBS-SED40		RBS-SED41	
				depth:	0-3 in		0-3 in		0-3 in	
				sample_date:	09/12/2008		09/12/2008		09/12/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL						
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32						
60-57-1	Dieldrin	CPEST	ug/kg	0.72						
72-20-8	Endrin	CPEST	ug/kg	2.67						
72-43-5	Methoxychlor	CPEST	ug/kg	29.6						
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22						
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07						
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL						
76-44-8	Heptachlor	CPEST	ug/kg	68						
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1						
959-98-8	Endosulfan I	CPEST	ug/kg	2.9						
11096-82-5	Aroclor 1260	E608	ug/kg	21.6						
11097-69-1	Aroclor 1254	E608	ug/kg	23						
11100-14-4	Aroclor 1268	E608	ug/kg	21.6						
11104-28-2	Aroclor 1221	E608	ug/kg	21.6						
11141-16-5	Aroclor 1232	E608	ug/kg	21.6						
12672-29-6	Aroclor 1248	E608	ug/kg	21.6						
12674-11-2	Aroclor 1016	E608	ug/kg	21.6						
37324-23-5	Aroclor 1262	E608	ug/kg	21.6						
53469-21-9	Aroclor 1242	E608	ug/kg	21.6						
100-41-4	Ethylbenzene	E624	ug/kg	305						
100-42-5	Styrene	E624	ug/kg	7070						
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL						
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL						
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460						
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7						
107-06-2	1,2-Dichloroethane	E624	ug/kg	432						
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000						
108-87-2	Methylcyclohexane	E624	ug/kg	NL						
108-88-3	Toluene	E624	ug/kg	1090						
108-90-7	Chlorobenzene	E624	ug/kg	162						
110-82-7	Cyclohexane	E624	ug/kg	117000						
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473						

				sys_loc_code:	SED39		SED40		SED41	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	RBS-SED39		RBS-SED40		RBS-SED41	
				depth:	0-3 in		0-3 in		0-3 in	
				sample_date:	09/12/2008		09/12/2008		09/12/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
123-91-1	1,4-Dioxane	E624	ug/kg	44100						
124-48-1	Dibromochloromethane	E624	ug/kg	680						
127-18-4	Tetrachloroethene	E624	ug/kg	190						
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200						
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300						
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300						
179601-23-1	m,p-Xylene	E624	ug/kg	NL						
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842						
56-23-5	Carbon tetrachloride	E624	ug/kg	248						
591-78-6	2-Hexanone	E624	ug/kg	20900						
67-64-1	Acetone	E624	ug/kg	6130000						
67-66-3	Chloroform	E624	ug/kg	295						
71-43-2	Benzene	E624	ug/kg	137						
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856						
74-83-9	Bromomethane	E624	ug/kg	732						
74-87-3	Chloromethane	E624	ug/kg	11900						
74-97-5	Bromochloromethane	E624	ug/kg	NL						
75-00-3	Chloroethane	E624	ug/kg	1450000						
75-01-4	Vinyl Chloride	E624	ug/kg	59.7						
75-09-2	Methylene chloride	E624	ug/kg	10700						
75-15-0	Carbon Disulfide	E624	ug/kg	0.851						
75-25-2	Bromoform	E624	ug/kg	1310						
75-27-4	Bromodichloromethane	E624	ug/kg	273						
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310						
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780						
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700						
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400						
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000						
78-87-5	1,2-Dichloropropane	E624	ug/kg	895						
78-93-3	2-Butanone	E624	ug/kg	2780000						
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570						
79-01-6	Trichloroethene	E624	ug/kg	1600						
79-20-9	Methyl Acetate	E624	ug/kg	7820000						

				sys_loc_code:	SED39		SED40		SED41	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	RBS-SED39		RBS-SED40		RBS-SED41	
				depth:	0-3 in		0-3 in		0-3 in	
				sample_date:	09/12/2008		09/12/2008		09/12/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202						
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858						
95-47-6	o-Xylene	E624	ug/kg	NL						
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989						
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35						
98-82-8	Isopropylbenzene	E624	ug/kg	86						
100-01-6	4-Nitroaniline	E625	ug/kg	24300						
100-02-7	4-Nitrophenol	E625	ug/kg	NL						
100-52-7	Benzaldehyde	E625	ug/kg	782000						
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230						
105-60-2	Caprolactam	E625	ug/kg	3060000						
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29						
106-44-5	4-Methylphenol	E625	ug/kg	670						
106-47-8	4-Chloroaniline	E625	ug/kg	2430						
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570						
108-95-2	Phenol	E625	ug/kg	420						
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214						
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300						
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182						
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL						
118-74-1	Hexachlorobenzene	E625	ug/kg	20						
120-12-7	Anthracene	E625	ug/kg	46.9						
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117						
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6						
129-00-0	Pyrene	E625	ug/kg	153						
131-11-3	Dimethylphthalate	E625	ug/kg	NL						
132-64-9	Dibenzofuran	E625	ug/kg	7300						
1912-24-9	Atrazine	E625	ug/kg	6.62						
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170						
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17						
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148						
206-44-0	Fluoranthene	E625	ug/kg	113						
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240						

				sys_loc_code:	SED39		SED40		SED41	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	RBS-SED39		RBS-SED40		RBS-SED41	
				depth:	0-3 in		0-3 in		0-3 in	
				sample_date:	09/12/2008		09/12/2008		09/12/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
208-96-8	Acenaphthylene	E625	ug/kg	5.87						
218-01-9	Chrysene	E625	ug/kg	108						
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8						
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200						
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611						
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22						
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8						
58-90-2	Chlorophenols	E625	ug/kg	284						
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000						
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120						
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4						
67-72-1	Hexachloroethane	E625	ug/kg	804						
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL						
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139						
78-59-1	Isophorone	E625	ug/kg	511000						
83-32-9	Acenaphthene	E625	ug/kg	6.71						
84-66-2	Diethylphthalate	E625	ug/kg	218						
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160						
85-01-8	Phenanthrene	E625	ug/kg	86.7						
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800						
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100						
86-73-7	Fluorene	E625	ug/kg	19						
86-74-8	Carbazole	E625	ug/kg	NL						
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110						
87-86-5	Pentachlorophenol	E625	ug/kg	2970						
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650						
88-74-4	2-Nitroaniline	E625	ug/kg	60600						
88-75-5	2-Nitrophenol	E625	ug/kg	NL						
91-20-3	Naphthalene	E625	ug/kg	34.6						
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2						
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000						
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080						
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220						

				sys_loc_code:	SED39		SED40		SED41	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	RBS-SED39		RBS-SED40		RBS-SED41	
				depth:	0-3 in		0-3 in		0-3 in	
				sample_date:	09/12/2008		09/12/2008		09/12/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
95-48-7	2-Methylphenol	E625	ug/kg	306000						
95-57-8	2-Chlorophenol	E625	ug/kg	344						
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830						
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819						
98-86-2	Acetophenone	E625	ug/kg	782000						
98-95-3	Nitrobenzene	E625	ug/kg	4790						
99-09-2	3-Nitroaniline	E625	ug/kg	NL						

					sys_loc_code:		SED43		SED44		SED45	
					loc_name:		Area-06		Area-06		Area-06	
					sys_sample_code:		RBS-SED43		RBS-SED44		RBS-SED45	
					depth:		0-3 in		0-3 in		0-3 in	
					sample_date:		09/12/2008		09/12/2008		09/12/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	C200.7	mg/kg	7740	987	J	1030	J	910	J
7440-36-0	Antimony	C200.7	mg/kg	2	6.7	UJ	6.6	UJ	7.1	UJ
7440-38-2	Arsenic	C200.7	mg/kg	0.389	2.1		3.1		2.1	
7440-39-3	Barium	C200.7	mg/kg	130.1	22.2	UJ	21.9	UJ	23.7	UJ
7440-41-7	Beryllium	C200.7	mg/kg	15.6	0.55	U	0.55	U	0.59	U
7440-43-9	Cadmium	C200.7	mg/kg	0.68	0.55	U	0.55	U	0.59	U
7440-70-2	Calcium	C200.7	mg/kg	NL	809		647		414	J
7440-47-3	Chromium	C200.7	mg/kg	52.3	8.9		5.6		3.9	
7440-48-4	Cobalt	C200.7	mg/kg	2.34	5.5	U	0.95	J	0.94	J
7440-50-8	Copper	C200.7	mg/kg	18.7	0.58	J	2	J	0.66	J
7439-89-6	Iron	C200.7	mg/kg	2000	6340		5820		6660	
7439-92-1	Lead	C200.7	mg/kg	30.2	4.2		2.6		1.8	J
7439-95-4	Magnesium	C200.7	mg/kg	NL	494	J	581		586	J
7439-96-5	Manganese	C200.7	mg/kg	183	39.9		85.9		41.4	
7440-02-0	Nickel	C200.7	mg/kg	15.9	4.4	U	1.8	J	2	J
7440-09-7	Potassium	C200.7	mg/kg	NL	336	J	396	J	340	J
7782-49-2	Selenium	C200.7	mg/kg	2	3.9	U	3.8	U	4.1	U
7440-22-4	Silver	C200.7	mg/kg	0.73	1.1	UJ	1.1	UJ	1.2	UJ
7440-23-5	Sodium	C200.7	mg/kg	NL	640		627		1530	
7440-28-0	Thallium	C200.7	mg/kg	100000	2.8	U	2.7	U	3	U
7440-31-5	Tin	C200.7	mg/kg	NL	11.1	U	11	U	11.8	U
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548	7.7	J	7.3	J	6	J
7440-66-6	Zinc	C200.7	mg/kg	124	8.5		6.9		10.4	
7429-90-5	Aluminum	E200.7	mg/kg	7740						
7440-36-0	Antimony	E200.7	mg/kg	2						
7440-38-2	Arsenic	E200.7	mg/kg	0.389						
7440-70-2	Calcium	E200.7	mg/kg	NL						
7440-47-3	Chromium	E200.7	mg/kg	52.3						
7440-50-8	Copper	E200.7	mg/kg	18.7						
7439-89-6	Iron	E200.7	mg/kg	2000						
7439-92-1	Lead	E200.7	mg/kg	30.2						
7439-95-4	Magnesium	E200.7	mg/kg	NL						
7439-96-5	Manganese	E200.7	mg/kg	183						

				sys_loc_code:	SED43		SED44		SED45	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	RBS-SED43		RBS-SED44		RBS-SED45	
				depth:	0-3 in		0-3 in		0-3 in	
				sample_date:	09/12/2008		09/12/2008		09/12/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
7440-02-0	Nickel	E200.7	mg/kg	15.9						
7440-09-7	Potassium	E200.7	mg/kg	NL						
7440-22-4	Silver	E200.7	mg/kg	0.73						
7440-23-5	Sodium	E200.7	mg/kg	NL						
7440-31-5	Tin	E200.7	mg/kg	NL						
7440-66-6	Zinc	E200.7	mg/kg	124						
7440-36-0	Antimony	E200.8	mg/kg	2						
7440-38-2	Arsenic	E200.8	mg/kg	0.389						
7440-39-3	Barium	E200.8	mg/kg	130.1						
7440-41-7	Beryllium	E200.8	mg/kg	15.6						
7440-43-9	Cadmium	E200.8	mg/kg	0.68						
7440-47-3	Chromium	E200.8	mg/kg	52.3						
7440-48-4	Cobalt	E200.8	mg/kg	2.34						
7440-50-8	Copper	E200.8	mg/kg	18.7						
7439-92-1	Lead	E200.8	mg/kg	30.2						
7439-96-5	Manganese	E200.8	mg/kg	183						
7440-02-0	Nickel	E200.8	mg/kg	15.9						
7782-49-2	Selenium	E200.8	mg/kg	2						
7440-22-4	Silver	E200.8	mg/kg	0.73						
7440-28-0	Thallium	E200.8	mg/kg	100000						
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548						
7440-66-6	Zinc	E200.8	mg/kg	124						
7439-97-6	Mercury	E245.5	mg/kg	0.13						
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6						
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357						
309-00-2	Aldrin	CPEST	ug/kg	2						
319-84-6	Alpha-Bhc	CPEST	ug/kg	3						
319-85-7	Beta-Bhc	CPEST	ug/kg	3						
319-86-8	Delta-Bhc	CPEST	ug/kg	3						
33213-65-9	Endosulfan II	CPEST	ug/kg	14						
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19						
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7						
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7						

				sys_loc_code:	SED43		SED44		SED45	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	RBS-SED43		RBS-SED44		RBS-SED45	
				depth:	0-3 in		0-3 in		0-3 in	
				sample_date:	09/12/2008		09/12/2008		09/12/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL						
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32						
60-57-1	Dieldrin	CPEST	ug/kg	0.72						
72-20-8	Endrin	CPEST	ug/kg	2.67						
72-43-5	Methoxychlor	CPEST	ug/kg	29.6						
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22						
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07						
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL						
76-44-8	Heptachlor	CPEST	ug/kg	68						
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1						
959-98-8	Endosulfan I	CPEST	ug/kg	2.9						
11096-82-5	Aroclor 1260	E608	ug/kg	21.6						
11097-69-1	Aroclor 1254	E608	ug/kg	23						
11100-14-4	Aroclor 1268	E608	ug/kg	21.6						
11104-28-2	Aroclor 1221	E608	ug/kg	21.6						
11141-16-5	Aroclor 1232	E608	ug/kg	21.6						
12672-29-6	Aroclor 1248	E608	ug/kg	21.6						
12674-11-2	Aroclor 1016	E608	ug/kg	21.6						
37324-23-5	Aroclor 1262	E608	ug/kg	21.6						
53469-21-9	Aroclor 1242	E608	ug/kg	21.6						
100-41-4	Ethylbenzene	E624	ug/kg	305						
100-42-5	Styrene	E624	ug/kg	7070						
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL						
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL						
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460						
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7						
107-06-2	1,2-Dichloroethane	E624	ug/kg	432						
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000						
108-87-2	Methylcyclohexane	E624	ug/kg	NL						
108-88-3	Toluene	E624	ug/kg	1090						
108-90-7	Chlorobenzene	E624	ug/kg	162						
110-82-7	Cyclohexane	E624	ug/kg	117000						
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473						

				sys_loc_code:	SED43		SED44		SED45	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	RBS-SED43		RBS-SED44		RBS-SED45	
				depth:	0-3 in		0-3 in		0-3 in	
				sample_date:	09/12/2008		09/12/2008		09/12/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
123-91-1	1,4-Dioxane	E624	ug/kg	44100						
124-48-1	Dibromochloromethane	E624	ug/kg	680						
127-18-4	Tetrachloroethene	E624	ug/kg	190						
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200						
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300						
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300						
179601-23-1	m,p-Xylene	E624	ug/kg	NL						
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842						
56-23-5	Carbon tetrachloride	E624	ug/kg	248						
591-78-6	2-Hexanone	E624	ug/kg	20900						
67-64-1	Acetone	E624	ug/kg	6130000						
67-66-3	Chloroform	E624	ug/kg	295						
71-43-2	Benzene	E624	ug/kg	137						
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856						
74-83-9	Bromomethane	E624	ug/kg	732						
74-87-3	Chloromethane	E624	ug/kg	11900						
74-97-5	Bromochloromethane	E624	ug/kg	NL						
75-00-3	Chloroethane	E624	ug/kg	1450000						
75-01-4	Vinyl Chloride	E624	ug/kg	59.7						
75-09-2	Methylene chloride	E624	ug/kg	10700						
75-15-0	Carbon Disulfide	E624	ug/kg	0.851						
75-25-2	Bromoform	E624	ug/kg	1310						
75-27-4	Bromodichloromethane	E624	ug/kg	273						
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310						
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780						
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700						
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400						
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000						
78-87-5	1,2-Dichloropropane	E624	ug/kg	895						
78-93-3	2-Butanone	E624	ug/kg	2780000						
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570						
79-01-6	Trichloroethene	E624	ug/kg	1600						
79-20-9	Methyl Acetate	E624	ug/kg	7820000						

				sys_loc_code:	SED43		SED44		SED45	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	RBS-SED43		RBS-SED44		RBS-SED45	
				depth:	0-3 in		0-3 in		0-3 in	
				sample_date:	09/12/2008		09/12/2008		09/12/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202						
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858						
95-47-6	o-Xylene	E624	ug/kg	NL						
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989						
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35						
98-82-8	Isopropylbenzene	E624	ug/kg	86						
100-01-6	4-Nitroaniline	E625	ug/kg	24300						
100-02-7	4-Nitrophenol	E625	ug/kg	NL						
100-52-7	Benzaldehyde	E625	ug/kg	782000						
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230						
105-60-2	Caprolactam	E625	ug/kg	3060000						
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29						
106-44-5	4-Methylphenol	E625	ug/kg	670						
106-47-8	4-Chloroaniline	E625	ug/kg	2430						
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570						
108-95-2	Phenol	E625	ug/kg	420						
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214						
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300						
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182						
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL						
118-74-1	Hexachlorobenzene	E625	ug/kg	20						
120-12-7	Anthracene	E625	ug/kg	46.9						
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117						
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6						
129-00-0	Pyrene	E625	ug/kg	153						
131-11-3	Dimethylphthalate	E625	ug/kg	NL						
132-64-9	Dibenzofuran	E625	ug/kg	7300						
1912-24-9	Atrazine	E625	ug/kg	6.62						
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170						
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17						
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148						
206-44-0	Fluoranthene	E625	ug/kg	113						
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240						

				sys_loc_code:	SED43		SED44		SED45	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	RBS-SED43		RBS-SED44		RBS-SED45	
				depth:	0-3 in		0-3 in		0-3 in	
				sample_date:	09/12/2008		09/12/2008		09/12/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
208-96-8	Acenaphthylene	E625	ug/kg	5.87						
218-01-9	Chrysene	E625	ug/kg	108						
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8						
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200						
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611						
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22						
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8						
58-90-2	Chlorophenols	E625	ug/kg	284						
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000						
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120						
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4						
67-72-1	Hexachloroethane	E625	ug/kg	804						
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL						
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139						
78-59-1	Isophorone	E625	ug/kg	511000						
83-32-9	Acenaphthene	E625	ug/kg	6.71						
84-66-2	Diethylphthalate	E625	ug/kg	218						
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160						
85-01-8	Phenanthrene	E625	ug/kg	86.7						
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800						
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100						
86-73-7	Fluorene	E625	ug/kg	19						
86-74-8	Carbazole	E625	ug/kg	NL						
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110						
87-86-5	Pentachlorophenol	E625	ug/kg	2970						
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650						
88-74-4	2-Nitroaniline	E625	ug/kg	60600						
88-75-5	2-Nitrophenol	E625	ug/kg	NL						
91-20-3	Naphthalene	E625	ug/kg	34.6						
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2						
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000						
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080						
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220						

				sys_loc_code:	SED43		SED44		SED45	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	RBS-SED43		RBS-SED44		RBS-SED45	
				depth:	0-3 in		0-3 in		0-3 in	
				sample_date:	09/12/2008		09/12/2008		09/12/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
95-48-7	2-Methylphenol	E625	ug/kg	306000						
95-57-8	2-Chlorophenol	E625	ug/kg	344						
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830						
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819						
98-86-2	Acetophenone	E625	ug/kg	782000						
98-95-3	Nitrobenzene	E625	ug/kg	4790						
99-09-2	3-Nitroaniline	E625	ug/kg	NL						

					sys_loc_code:		SED46		SED47		SED48	
					loc_name:		Area-06		Area-06		Area-06	
					sys_sample_code:		RBS-SED46		RBS-SED47		RBS-SED48	
					depth:		0-3 in		0-3 in		0-3 in	
					sample_date:		09/12/2008		09/12/2008		09/12/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	C200.7	mg/kg	7740	1110	J	707	J	1020	J
7440-36-0	Antimony	C200.7	mg/kg	2	6.9	UJ	6.7	UJ	8.5	UJ
7440-38-2	Arsenic	C200.7	mg/kg	0.389	1.9		1.1		1.9	
7440-39-3	Barium	C200.7	mg/kg	130.1	23	UJ	22.2	UJ	28.2	UJ
7440-41-7	Beryllium	C200.7	mg/kg	15.6	0.58	U	0.55	U	0.71	U
7440-43-9	Cadmium	C200.7	mg/kg	0.68	0.58	U	0.55	U	0.71	U
7440-70-2	Calcium	C200.7	mg/kg	NL	515	J	9510		608	J
7440-47-3	Chromium	C200.7	mg/kg	52.3	5.1		2.8		5.7	
7440-48-4	Cobalt	C200.7	mg/kg	2.34	1.1	J	0.76	J	1	J
7440-50-8	Copper	C200.7	mg/kg	18.7	0.74	J	0.48	J	0.71	J
7439-89-6	Iron	C200.7	mg/kg	2000	5150		3720		5810	
7439-92-1	Lead	C200.7	mg/kg	30.2	2.4		1.2	J	2.1	J
7439-95-4	Magnesium	C200.7	mg/kg	NL	656		385	J	651	J
7439-96-5	Manganese	C200.7	mg/kg	183	45.3		36		47	
7440-02-0	Nickel	C200.7	mg/kg	15.9	2.1	J	1.6	J	2.3	J
7440-09-7	Potassium	C200.7	mg/kg	NL	594		172	J	461	J
7782-49-2	Selenium	C200.7	mg/kg	2	4	U	3.9	U	4.9	U
7440-22-4	Silver	C200.7	mg/kg	0.73	0.1	J	1.1	UJ	1.4	UJ
7440-23-5	Sodium	C200.7	mg/kg	NL	1080		690		1620	
7440-28-0	Thallium	C200.7	mg/kg	100000	2.9	U	2.8	U	3.5	U
7440-31-5	Tin	C200.7	mg/kg	NL	11.5	U	11.1	U	14.1	U
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548	7	J	5.5	UJ	7.3	J
7440-66-6	Zinc	C200.7	mg/kg	124	8.3		5.1	J	8.7	
7429-90-5	Aluminum	E200.7	mg/kg	7740						
7440-36-0	Antimony	E200.7	mg/kg	2						
7440-38-2	Arsenic	E200.7	mg/kg	0.389						
7440-70-2	Calcium	E200.7	mg/kg	NL						
7440-47-3	Chromium	E200.7	mg/kg	52.3						
7440-50-8	Copper	E200.7	mg/kg	18.7						
7439-89-6	Iron	E200.7	mg/kg	2000						
7439-92-1	Lead	E200.7	mg/kg	30.2						
7439-95-4	Magnesium	E200.7	mg/kg	NL						
7439-96-5	Manganese	E200.7	mg/kg	183						

				sys_loc_code:	SED46		SED47		SED48	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	RBS-SED46		RBS-SED47		RBS-SED48	
				depth:	0-3 in		0-3 in		0-3 in	
				sample_date:	09/12/2008		09/12/2008		09/12/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
7440-02-0	Nickel	E200.7	mg/kg	15.9						
7440-09-7	Potassium	E200.7	mg/kg	NL						
7440-22-4	Silver	E200.7	mg/kg	0.73						
7440-23-5	Sodium	E200.7	mg/kg	NL						
7440-31-5	Tin	E200.7	mg/kg	NL						
7440-66-6	Zinc	E200.7	mg/kg	124						
7440-36-0	Antimony	E200.8	mg/kg	2						
7440-38-2	Arsenic	E200.8	mg/kg	0.389						
7440-39-3	Barium	E200.8	mg/kg	130.1						
7440-41-7	Beryllium	E200.8	mg/kg	15.6						
7440-43-9	Cadmium	E200.8	mg/kg	0.68						
7440-47-3	Chromium	E200.8	mg/kg	52.3						
7440-48-4	Cobalt	E200.8	mg/kg	2.34						
7440-50-8	Copper	E200.8	mg/kg	18.7						
7439-92-1	Lead	E200.8	mg/kg	30.2						
7439-96-5	Manganese	E200.8	mg/kg	183						
7440-02-0	Nickel	E200.8	mg/kg	15.9						
7782-49-2	Selenium	E200.8	mg/kg	2						
7440-22-4	Silver	E200.8	mg/kg	0.73						
7440-28-0	Thallium	E200.8	mg/kg	100000						
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548						
7440-66-6	Zinc	E200.8	mg/kg	124						
7439-97-6	Mercury	E245.5	mg/kg	0.13						
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6						
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357						
309-00-2	Aldrin	CPEST	ug/kg	2						
319-84-6	Alpha-Bhc	CPEST	ug/kg	3						
319-85-7	Beta-Bhc	CPEST	ug/kg	3						
319-86-8	Delta-Bhc	CPEST	ug/kg	3						
33213-65-9	Endosulfan II	CPEST	ug/kg	14						
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19						
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7						
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7						

				sys_loc_code:	SED46		SED47		SED48	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	RBS-SED46		RBS-SED47		RBS-SED48	
				depth:	0-3 in		0-3 in		0-3 in	
				sample_date:	09/12/2008		09/12/2008		09/12/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL						
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32						
60-57-1	Dieldrin	CPEST	ug/kg	0.72						
72-20-8	Endrin	CPEST	ug/kg	2.67						
72-43-5	Methoxychlor	CPEST	ug/kg	29.6						
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22						
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07						
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL						
76-44-8	Heptachlor	CPEST	ug/kg	68						
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1						
959-98-8	Endosulfan I	CPEST	ug/kg	2.9						
11096-82-5	Aroclor 1260	E608	ug/kg	21.6						
11097-69-1	Aroclor 1254	E608	ug/kg	23						
11100-14-4	Aroclor 1268	E608	ug/kg	21.6						
11104-28-2	Aroclor 1221	E608	ug/kg	21.6						
11141-16-5	Aroclor 1232	E608	ug/kg	21.6						
12672-29-6	Aroclor 1248	E608	ug/kg	21.6						
12674-11-2	Aroclor 1016	E608	ug/kg	21.6						
37324-23-5	Aroclor 1262	E608	ug/kg	21.6						
53469-21-9	Aroclor 1242	E608	ug/kg	21.6						
100-41-4	Ethylbenzene	E624	ug/kg	305						
100-42-5	Styrene	E624	ug/kg	7070						
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL						
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL						
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460						
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7						
107-06-2	1,2-Dichloroethane	E624	ug/kg	432						
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000						
108-87-2	Methylcyclohexane	E624	ug/kg	NL						
108-88-3	Toluene	E624	ug/kg	1090						
108-90-7	Chlorobenzene	E624	ug/kg	162						
110-82-7	Cyclohexane	E624	ug/kg	117000						
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473						

				sys_loc_code:	SED46		SED47		SED48	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	RBS-SED46		RBS-SED47		RBS-SED48	
				depth:	0-3 in		0-3 in		0-3 in	
				sample_date:	09/12/2008		09/12/2008		09/12/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
123-91-1	1,4-Dioxane	E624	ug/kg	44100						
124-48-1	Dibromochloromethane	E624	ug/kg	680						
127-18-4	Tetrachloroethene	E624	ug/kg	190						
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200						
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300						
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300						
179601-23-1	m,p-Xylene	E624	ug/kg	NL						
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842						
56-23-5	Carbon tetrachloride	E624	ug/kg	248						
591-78-6	2-Hexanone	E624	ug/kg	20900						
67-64-1	Acetone	E624	ug/kg	6130000						
67-66-3	Chloroform	E624	ug/kg	295						
71-43-2	Benzene	E624	ug/kg	137						
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856						
74-83-9	Bromomethane	E624	ug/kg	732						
74-87-3	Chloromethane	E624	ug/kg	11900						
74-97-5	Bromochloromethane	E624	ug/kg	NL						
75-00-3	Chloroethane	E624	ug/kg	1450000						
75-01-4	Vinyl Chloride	E624	ug/kg	59.7						
75-09-2	Methylene chloride	E624	ug/kg	10700						
75-15-0	Carbon Disulfide	E624	ug/kg	0.851						
75-25-2	Bromoform	E624	ug/kg	1310						
75-27-4	Bromodichloromethane	E624	ug/kg	273						
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310						
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780						
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700						
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400						
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000						
78-87-5	1,2-Dichloropropane	E624	ug/kg	895						
78-93-3	2-Butanone	E624	ug/kg	2780000						
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570						
79-01-6	Trichloroethene	E624	ug/kg	1600						
79-20-9	Methyl Acetate	E624	ug/kg	7820000						

				sys_loc_code:	SED46		SED47		SED48	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	RBS-SED46		RBS-SED47		RBS-SED48	
				depth:	0-3 in		0-3 in		0-3 in	
				sample_date:	09/12/2008		09/12/2008		09/12/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202						
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858						
95-47-6	o-Xylene	E624	ug/kg	NL						
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989						
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35						
98-82-8	Isopropylbenzene	E624	ug/kg	86						
100-01-6	4-Nitroaniline	E625	ug/kg	24300						
100-02-7	4-Nitrophenol	E625	ug/kg	NL						
100-52-7	Benzaldehyde	E625	ug/kg	782000						
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230						
105-60-2	Caprolactam	E625	ug/kg	3060000						
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29						
106-44-5	4-Methylphenol	E625	ug/kg	670						
106-47-8	4-Chloroaniline	E625	ug/kg	2430						
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570						
108-95-2	Phenol	E625	ug/kg	420						
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214						
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300						
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182						
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL						
118-74-1	Hexachlorobenzene	E625	ug/kg	20						
120-12-7	Anthracene	E625	ug/kg	46.9						
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117						
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6						
129-00-0	Pyrene	E625	ug/kg	153						
131-11-3	Dimethylphthalate	E625	ug/kg	NL						
132-64-9	Dibenzofuran	E625	ug/kg	7300						
1912-24-9	Atrazine	E625	ug/kg	6.62						
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170						
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17						
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148						
206-44-0	Fluoranthene	E625	ug/kg	113						
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240						

				sys_loc_code:	SED46		SED47		SED48	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	RBS-SED46		RBS-SED47		RBS-SED48	
				depth:	0-3 in		0-3 in		0-3 in	
				sample_date:	09/12/2008		09/12/2008		09/12/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
208-96-8	Acenaphthylene	E625	ug/kg	5.87						
218-01-9	Chrysene	E625	ug/kg	108						
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8						
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200						
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611						
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22						
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8						
58-90-2	Chlorophenols	E625	ug/kg	284						
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000						
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120						
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4						
67-72-1	Hexachloroethane	E625	ug/kg	804						
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL						
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139						
78-59-1	Isophorone	E625	ug/kg	511000						
83-32-9	Acenaphthene	E625	ug/kg	6.71						
84-66-2	Diethylphthalate	E625	ug/kg	218						
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160						
85-01-8	Phenanthrene	E625	ug/kg	86.7						
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800						
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100						
86-73-7	Fluorene	E625	ug/kg	19						
86-74-8	Carbazole	E625	ug/kg	NL						
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110						
87-86-5	Pentachlorophenol	E625	ug/kg	2970						
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650						
88-74-4	2-Nitroaniline	E625	ug/kg	60600						
88-75-5	2-Nitrophenol	E625	ug/kg	NL						
91-20-3	Naphthalene	E625	ug/kg	34.6						
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2						
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000						
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080						
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220						

				sys_loc_code:	SED46		SED47		SED48	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	RBS-SED46		RBS-SED47		RBS-SED48	
				depth:	0-3 in		0-3 in		0-3 in	
				sample_date:	09/12/2008		09/12/2008		09/12/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
95-48-7	2-Methylphenol	E625	ug/kg	306000						
95-57-8	2-Chlorophenol	E625	ug/kg	344						
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830						
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819						
98-86-2	Acetophenone	E625	ug/kg	782000						
98-95-3	Nitrobenzene	E625	ug/kg	4790						
99-09-2	3-Nitroaniline	E625	ug/kg	NL						

					sys_loc_code:	SED49		SED50		SED51	
					loc_name:	Area-06		Area-06		Area-06	
					sys_sample_code:	RBS-SED49		RBS-SED50		RBS-SED51	
					depth:	0-3 in		0-3 in		0-3 in	
					sample_date:	09/12/2008		09/12/2008		09/12/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED							
7429-90-5	Aluminum	C200.7	mg/kg	7740		1140	J	996	J	1060	J
7440-36-0	Antimony	C200.7	mg/kg	2		7	UJ	7.3	UJ	7	UJ
7440-38-2	Arsenic	C200.7	mg/kg	0.389		3.7		1.6		2.1	
7440-39-3	Barium	C200.7	mg/kg	130.1		23.2	UJ	24.3	UJ	23.4	UJ
7440-41-7	Beryllium	C200.7	mg/kg	15.6		0.58	U	0.61	U	0.58	U
7440-43-9	Cadmium	C200.7	mg/kg	0.68		0.58	U	0.61	U	0.58	U
7440-70-2	Calcium	C200.7	mg/kg	NL		4360		1680		836	
7440-47-3	Chromium	C200.7	mg/kg	52.3		11.2		4.7		4.4	
7440-48-4	Cobalt	C200.7	mg/kg	2.34		0.87	J	0.81	J	5.8	U
7440-50-8	Copper	C200.7	mg/kg	18.7		4.3		0.44	J	0.67	J
7439-89-6	Iron	C200.7	mg/kg	2000		10700		4240		5730	
7439-92-1	Lead	C200.7	mg/kg	30.2		1.9	J	2.2	J	2	
7439-95-4	Magnesium	C200.7	mg/kg	NL		619		660		629	
7439-96-5	Manganese	C200.7	mg/kg	183		47		32.8		26.4	
7440-02-0	Nickel	C200.7	mg/kg	15.9		1.6	J	1.7	J	4.7	U
7440-09-7	Potassium	C200.7	mg/kg	NL		328	J	626		421	J
7782-49-2	Selenium	C200.7	mg/kg	2		0.47	J	4.3	U	4.1	U
7440-22-4	Silver	C200.7	mg/kg	0.73		0.13	J	1.2	UJ	0.13	J
7440-23-5	Sodium	C200.7	mg/kg	NL		1050		1490		1220	
7440-28-0	Thallium	C200.7	mg/kg	100000		2.9	U	3	U	2.9	U
7440-31-5	Tin	C200.7	mg/kg	NL		11.6	U	12.2	U	11.7	U
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548		5.8	UJ	6.1	UJ	9	J
7440-66-6	Zinc	C200.7	mg/kg	124		10.1		6.9	J	7.9	
7429-90-5	Aluminum	E200.7	mg/kg	7740							
7440-36-0	Antimony	E200.7	mg/kg	2							
7440-38-2	Arsenic	E200.7	mg/kg	0.389							
7440-70-2	Calcium	E200.7	mg/kg	NL							
7440-47-3	Chromium	E200.7	mg/kg	52.3							
7440-50-8	Copper	E200.7	mg/kg	18.7							
7439-89-6	Iron	E200.7	mg/kg	2000							
7439-92-1	Lead	E200.7	mg/kg	30.2							
7439-95-4	Magnesium	E200.7	mg/kg	NL							
7439-96-5	Manganese	E200.7	mg/kg	183							

				sys_loc_code:	SED49		SED50		SED51	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	RBS-SED49		RBS-SED50		RBS-SED51	
				depth:	0-3 in		0-3 in		0-3 in	
				sample_date:	09/12/2008		09/12/2008		09/12/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
7440-02-0	Nickel	E200.7	mg/kg	15.9						
7440-09-7	Potassium	E200.7	mg/kg	NL						
7440-22-4	Silver	E200.7	mg/kg	0.73						
7440-23-5	Sodium	E200.7	mg/kg	NL						
7440-31-5	Tin	E200.7	mg/kg	NL						
7440-66-6	Zinc	E200.7	mg/kg	124						
7440-36-0	Antimony	E200.8	mg/kg	2						
7440-38-2	Arsenic	E200.8	mg/kg	0.389						
7440-39-3	Barium	E200.8	mg/kg	130.1						
7440-41-7	Beryllium	E200.8	mg/kg	15.6						
7440-43-9	Cadmium	E200.8	mg/kg	0.68						
7440-47-3	Chromium	E200.8	mg/kg	52.3						
7440-48-4	Cobalt	E200.8	mg/kg	2.34						
7440-50-8	Copper	E200.8	mg/kg	18.7						
7439-92-1	Lead	E200.8	mg/kg	30.2						
7439-96-5	Manganese	E200.8	mg/kg	183						
7440-02-0	Nickel	E200.8	mg/kg	15.9						
7782-49-2	Selenium	E200.8	mg/kg	2						
7440-22-4	Silver	E200.8	mg/kg	0.73						
7440-28-0	Thallium	E200.8	mg/kg	100000						
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548						
7440-66-6	Zinc	E200.8	mg/kg	124						
7439-97-6	Mercury	E245.5	mg/kg	0.13						
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6						
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357						
309-00-2	Aldrin	CPEST	ug/kg	2						
319-84-6	Alpha-Bhc	CPEST	ug/kg	3						
319-85-7	Beta-Bhc	CPEST	ug/kg	3						
319-86-8	Delta-Bhc	CPEST	ug/kg	3						
33213-65-9	Endosulfan II	CPEST	ug/kg	14						
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19						
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7						
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7						

				sys_loc_code:	SED49		SED50		SED51	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	RBS-SED49		RBS-SED50		RBS-SED51	
				depth:	0-3 in		0-3 in		0-3 in	
				sample_date:	09/12/2008		09/12/2008		09/12/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL						
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32						
60-57-1	Dieldrin	CPEST	ug/kg	0.72						
72-20-8	Endrin	CPEST	ug/kg	2.67						
72-43-5	Methoxychlor	CPEST	ug/kg	29.6						
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22						
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07						
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL						
76-44-8	Heptachlor	CPEST	ug/kg	68						
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1						
959-98-8	Endosulfan I	CPEST	ug/kg	2.9						
11096-82-5	Aroclor 1260	E608	ug/kg	21.6						
11097-69-1	Aroclor 1254	E608	ug/kg	23						
11100-14-4	Aroclor 1268	E608	ug/kg	21.6						
11104-28-2	Aroclor 1221	E608	ug/kg	21.6						
11141-16-5	Aroclor 1232	E608	ug/kg	21.6						
12672-29-6	Aroclor 1248	E608	ug/kg	21.6						
12674-11-2	Aroclor 1016	E608	ug/kg	21.6						
37324-23-5	Aroclor 1262	E608	ug/kg	21.6						
53469-21-9	Aroclor 1242	E608	ug/kg	21.6						
100-41-4	Ethylbenzene	E624	ug/kg	305						
100-42-5	Styrene	E624	ug/kg	7070						
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL						
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL						
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460						
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7						
107-06-2	1,2-Dichloroethane	E624	ug/kg	432						
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000						
108-87-2	Methylcyclohexane	E624	ug/kg	NL						
108-88-3	Toluene	E624	ug/kg	1090						
108-90-7	Chlorobenzene	E624	ug/kg	162						
110-82-7	Cyclohexane	E624	ug/kg	117000						
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473						

				sys_loc_code:	SED49		SED50		SED51	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	RBS-SED49		RBS-SED50		RBS-SED51	
				depth:	0-3 in		0-3 in		0-3 in	
				sample_date:	09/12/2008		09/12/2008		09/12/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
123-91-1	1,4-Dioxane	E624	ug/kg	44100						
124-48-1	Dibromochloromethane	E624	ug/kg	680						
127-18-4	Tetrachloroethene	E624	ug/kg	190						
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200						
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300						
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300						
179601-23-1	m,p-Xylene	E624	ug/kg	NL						
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842						
56-23-5	Carbon tetrachloride	E624	ug/kg	248						
591-78-6	2-Hexanone	E624	ug/kg	20900						
67-64-1	Acetone	E624	ug/kg	6130000						
67-66-3	Chloroform	E624	ug/kg	295						
71-43-2	Benzene	E624	ug/kg	137						
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856						
74-83-9	Bromomethane	E624	ug/kg	732						
74-87-3	Chloromethane	E624	ug/kg	11900						
74-97-5	Bromochloromethane	E624	ug/kg	NL						
75-00-3	Chloroethane	E624	ug/kg	1450000						
75-01-4	Vinyl Chloride	E624	ug/kg	59.7						
75-09-2	Methylene chloride	E624	ug/kg	10700						
75-15-0	Carbon Disulfide	E624	ug/kg	0.851						
75-25-2	Bromoform	E624	ug/kg	1310						
75-27-4	Bromodichloromethane	E624	ug/kg	273						
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310						
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780						
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700						
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400						
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000						
78-87-5	1,2-Dichloropropane	E624	ug/kg	895						
78-93-3	2-Butanone	E624	ug/kg	2780000						
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570						
79-01-6	Trichloroethene	E624	ug/kg	1600						
79-20-9	Methyl Acetate	E624	ug/kg	7820000						

				sys_loc_code:	SED49		SED50		SED51	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	RBS-SED49		RBS-SED50		RBS-SED51	
				depth:	0-3 in		0-3 in		0-3 in	
				sample_date:	09/12/2008		09/12/2008		09/12/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202						
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858						
95-47-6	o-Xylene	E624	ug/kg	NL						
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989						
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35						
98-82-8	Isopropylbenzene	E624	ug/kg	86						
100-01-6	4-Nitroaniline	E625	ug/kg	24300						
100-02-7	4-Nitrophenol	E625	ug/kg	NL						
100-52-7	Benzaldehyde	E625	ug/kg	782000						
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230						
105-60-2	Caprolactam	E625	ug/kg	3060000						
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29						
106-44-5	4-Methylphenol	E625	ug/kg	670						
106-47-8	4-Chloroaniline	E625	ug/kg	2430						
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570						
108-95-2	Phenol	E625	ug/kg	420						
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214						
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300						
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182						
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL						
118-74-1	Hexachlorobenzene	E625	ug/kg	20						
120-12-7	Anthracene	E625	ug/kg	46.9						
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117						
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6						
129-00-0	Pyrene	E625	ug/kg	153						
131-11-3	Dimethylphthalate	E625	ug/kg	NL						
132-64-9	Dibenzofuran	E625	ug/kg	7300						
1912-24-9	Atrazine	E625	ug/kg	6.62						
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170						
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17						
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148						
206-44-0	Fluoranthene	E625	ug/kg	113						
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240						

				sys_loc_code:	SED49		SED50		SED51	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	RBS-SED49		RBS-SED50		RBS-SED51	
				depth:	0-3 in		0-3 in		0-3 in	
				sample_date:	09/12/2008		09/12/2008		09/12/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
208-96-8	Acenaphthylene	E625	ug/kg	5.87						
218-01-9	Chrysene	E625	ug/kg	108						
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8						
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200						
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611						
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22						
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8						
58-90-2	Chlorophenols	E625	ug/kg	284						
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000						
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120						
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4						
67-72-1	Hexachloroethane	E625	ug/kg	804						
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL						
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139						
78-59-1	Isophorone	E625	ug/kg	511000						
83-32-9	Acenaphthene	E625	ug/kg	6.71						
84-66-2	Diethylphthalate	E625	ug/kg	218						
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160						
85-01-8	Phenanthrene	E625	ug/kg	86.7						
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800						
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100						
86-73-7	Fluorene	E625	ug/kg	19						
86-74-8	Carbazole	E625	ug/kg	NL						
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110						
87-86-5	Pentachlorophenol	E625	ug/kg	2970						
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650						
88-74-4	2-Nitroaniline	E625	ug/kg	60600						
88-75-5	2-Nitrophenol	E625	ug/kg	NL						
91-20-3	Naphthalene	E625	ug/kg	34.6						
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2						
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000						
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080						
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220						

				sys_loc_code:	SED49		SED50		SED51	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	RBS-SED49		RBS-SED50		RBS-SED51	
				depth:	0-3 in		0-3 in		0-3 in	
				sample_date:	09/12/2008		09/12/2008		09/12/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
95-48-7	2-Methylphenol	E625	ug/kg	306000						
95-57-8	2-Chlorophenol	E625	ug/kg	344						
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830						
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819						
98-86-2	Acetophenone	E625	ug/kg	782000						
98-95-3	Nitrobenzene	E625	ug/kg	4790						
99-09-2	3-Nitroaniline	E625	ug/kg	NL						

				sys_loc_code:	SED52		SED84		SED85		
				loc_name:	Area-06		Area-06		Area-06		
				sys_sample_code:	RBS-SED52		RBS-SED84		RBS-SED85		
				depth:	0-3 in		0-3 in		0-3 in		
				sample_date:	09/12/2008		09/12/2008		09/12/2008		
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED							
7429-90-5	Aluminum	C200.7	mg/kg	7740	992	J	1040	J	1020	J	
7440-36-0	Antimony	C200.7	mg/kg	2	6.9	UJ	7.4	UJ	7.1	UJ	
7440-38-2	Arsenic	C200.7	mg/kg	0.389	2.3		2		1.8		
7440-39-3	Barium	C200.7	mg/kg	130.1	23.1	UJ	24.6	UJ	23.5	UJ	
7440-41-7	Beryllium	C200.7	mg/kg	15.6	0.58	U	0.62	U	0.59	U	
7440-43-9	Cadmium	C200.7	mg/kg	0.68	0.58	U	0.62	U	0.59	U	
7440-70-2	Calcium	C200.7	mg/kg	NL	505	J	526	J	820		
7440-47-3	Chromium	C200.7	mg/kg	52.3	4.5		5.1		4.9		
7440-48-4	Cobalt	C200.7	mg/kg	2.34	5.8	U	6.2	U	5.9	U	
7440-50-8	Copper	C200.7	mg/kg	18.7	0.69	J	0.54	J	0.56	J	
7439-89-6	Iron	C200.7	mg/kg	2000	5160		4560		4930		
7439-92-1	Lead	C200.7	mg/kg	30.2	2.3		2.1		2.4		
7439-95-4	Magnesium	C200.7	mg/kg	NL	597		624		596		
7439-96-5	Manganese	C200.7	mg/kg	183	36.7		37		22.4		
7440-02-0	Nickel	C200.7	mg/kg	15.9	4.6	U	4.9	U	4.7	U	
7440-09-7	Potassium	C200.7	mg/kg	NL	515	J	650		543	J	
7782-49-2	Selenium	C200.7	mg/kg	2	4	U	4.3	U	4.1	U	
7440-22-4	Silver	C200.7	mg/kg	0.73	1.2	UJ	1.2	UJ	1.2	UJ	
7440-23-5	Sodium	C200.7	mg/kg	NL	991		1140		1250		
7440-28-0	Thallium	C200.7	mg/kg	100000	2.9	U	3.1	U	2.9	U	
7440-31-5	Tin	C200.7	mg/kg	NL	11.5	U	12.3	U	11.8	U	
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548	6.6	J	6.3	J	5.9	J	
7440-66-6	Zinc	C200.7	mg/kg	124	7.9		7.4	U	8		
7429-90-5	Aluminum	E200.7	mg/kg	7740							
7440-36-0	Antimony	E200.7	mg/kg	2							
7440-38-2	Arsenic	E200.7	mg/kg	0.389							
7440-70-2	Calcium	E200.7	mg/kg	NL							
7440-47-3	Chromium	E200.7	mg/kg	52.3							
7440-50-8	Copper	E200.7	mg/kg	18.7							
7439-89-6	Iron	E200.7	mg/kg	2000							
7439-92-1	Lead	E200.7	mg/kg	30.2							
7439-95-4	Magnesium	E200.7	mg/kg	NL							
7439-96-5	Manganese	E200.7	mg/kg	183							

				sys_loc_code:	SED52		SED84		SED85	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	RBS-SED52		RBS-SED84		RBS-SED85	
				depth:	0-3 in		0-3 in		0-3 in	
				sample_date:	09/12/2008		09/12/2008		09/12/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
7440-02-0	Nickel	E200.7	mg/kg	15.9						
7440-09-7	Potassium	E200.7	mg/kg	NL						
7440-22-4	Silver	E200.7	mg/kg	0.73						
7440-23-5	Sodium	E200.7	mg/kg	NL						
7440-31-5	Tin	E200.7	mg/kg	NL						
7440-66-6	Zinc	E200.7	mg/kg	124						
7440-36-0	Antimony	E200.8	mg/kg	2						
7440-38-2	Arsenic	E200.8	mg/kg	0.389						
7440-39-3	Barium	E200.8	mg/kg	130.1						
7440-41-7	Beryllium	E200.8	mg/kg	15.6						
7440-43-9	Cadmium	E200.8	mg/kg	0.68						
7440-47-3	Chromium	E200.8	mg/kg	52.3						
7440-48-4	Cobalt	E200.8	mg/kg	2.34						
7440-50-8	Copper	E200.8	mg/kg	18.7						
7439-92-1	Lead	E200.8	mg/kg	30.2						
7439-96-5	Manganese	E200.8	mg/kg	183						
7440-02-0	Nickel	E200.8	mg/kg	15.9						
7782-49-2	Selenium	E200.8	mg/kg	2						
7440-22-4	Silver	E200.8	mg/kg	0.73						
7440-28-0	Thallium	E200.8	mg/kg	100000						
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548						
7440-66-6	Zinc	E200.8	mg/kg	124						
7439-97-6	Mercury	E245.5	mg/kg	0.13						
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6						
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357						
309-00-2	Aldrin	CPEST	ug/kg	2						
319-84-6	Alpha-Bhc	CPEST	ug/kg	3						
319-85-7	Beta-Bhc	CPEST	ug/kg	3						
319-86-8	Delta-Bhc	CPEST	ug/kg	3						
33213-65-9	Endosulfan II	CPEST	ug/kg	14						
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19						
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7						
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7						

				sys_loc_code:	SED52		SED84		SED85	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	RBS-SED52		RBS-SED84		RBS-SED85	
				depth:	0-3 in		0-3 in		0-3 in	
				sample_date:	09/12/2008		09/12/2008		09/12/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL						
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32						
60-57-1	Dieldrin	CPEST	ug/kg	0.72						
72-20-8	Endrin	CPEST	ug/kg	2.67						
72-43-5	Methoxychlor	CPEST	ug/kg	29.6						
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22						
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07						
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL						
76-44-8	Heptachlor	CPEST	ug/kg	68						
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1						
959-98-8	Endosulfan I	CPEST	ug/kg	2.9						
11096-82-5	Aroclor 1260	E608	ug/kg	21.6						
11097-69-1	Aroclor 1254	E608	ug/kg	23						
11100-14-4	Aroclor 1268	E608	ug/kg	21.6						
11104-28-2	Aroclor 1221	E608	ug/kg	21.6						
11141-16-5	Aroclor 1232	E608	ug/kg	21.6						
12672-29-6	Aroclor 1248	E608	ug/kg	21.6						
12674-11-2	Aroclor 1016	E608	ug/kg	21.6						
37324-23-5	Aroclor 1262	E608	ug/kg	21.6						
53469-21-9	Aroclor 1242	E608	ug/kg	21.6						
100-41-4	Ethylbenzene	E624	ug/kg	305						
100-42-5	Styrene	E624	ug/kg	7070						
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL						
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL						
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460						
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7						
107-06-2	1,2-Dichloroethane	E624	ug/kg	432						
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000						
108-87-2	Methylcyclohexane	E624	ug/kg	NL						
108-88-3	Toluene	E624	ug/kg	1090						
108-90-7	Chlorobenzene	E624	ug/kg	162						
110-82-7	Cyclohexane	E624	ug/kg	117000						
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473						

				sys_loc_code:	SED52		SED84		SED85	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	RBS-SED52		RBS-SED84		RBS-SED85	
				depth:	0-3 in		0-3 in		0-3 in	
				sample_date:	09/12/2008		09/12/2008		09/12/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
123-91-1	1,4-Dioxane	E624	ug/kg	44100						
124-48-1	Dibromochloromethane	E624	ug/kg	680						
127-18-4	Tetrachloroethene	E624	ug/kg	190						
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200						
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300						
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300						
179601-23-1	m,p-Xylene	E624	ug/kg	NL						
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842						
56-23-5	Carbon tetrachloride	E624	ug/kg	248						
591-78-6	2-Hexanone	E624	ug/kg	20900						
67-64-1	Acetone	E624	ug/kg	6130000						
67-66-3	Chloroform	E624	ug/kg	295						
71-43-2	Benzene	E624	ug/kg	137						
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856						
74-83-9	Bromomethane	E624	ug/kg	732						
74-87-3	Chloromethane	E624	ug/kg	11900						
74-97-5	Bromochloromethane	E624	ug/kg	NL						
75-00-3	Chloroethane	E624	ug/kg	1450000						
75-01-4	Vinyl Chloride	E624	ug/kg	59.7						
75-09-2	Methylene chloride	E624	ug/kg	10700						
75-15-0	Carbon Disulfide	E624	ug/kg	0.851						
75-25-2	Bromoform	E624	ug/kg	1310						
75-27-4	Bromodichloromethane	E624	ug/kg	273						
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310						
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780						
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700						
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400						
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000						
78-87-5	1,2-Dichloropropane	E624	ug/kg	895						
78-93-3	2-Butanone	E624	ug/kg	2780000						
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570						
79-01-6	Trichloroethene	E624	ug/kg	1600						
79-20-9	Methyl Acetate	E624	ug/kg	7820000						

				sys_loc_code:	SED52		SED84		SED85	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	RBS-SED52		RBS-SED84		RBS-SED85	
				depth:	0-3 in		0-3 in		0-3 in	
				sample_date:	09/12/2008		09/12/2008		09/12/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202						
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858						
95-47-6	o-Xylene	E624	ug/kg	NL						
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989						
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35						
98-82-8	Isopropylbenzene	E624	ug/kg	86						
100-01-6	4-Nitroaniline	E625	ug/kg	24300						
100-02-7	4-Nitrophenol	E625	ug/kg	NL						
100-52-7	Benzaldehyde	E625	ug/kg	782000						
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230						
105-60-2	Caprolactam	E625	ug/kg	3060000						
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29						
106-44-5	4-Methylphenol	E625	ug/kg	670						
106-47-8	4-Chloroaniline	E625	ug/kg	2430						
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570						
108-95-2	Phenol	E625	ug/kg	420						
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214						
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300						
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182						
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL						
118-74-1	Hexachlorobenzene	E625	ug/kg	20						
120-12-7	Anthracene	E625	ug/kg	46.9						
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117						
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6						
129-00-0	Pyrene	E625	ug/kg	153						
131-11-3	Dimethylphthalate	E625	ug/kg	NL						
132-64-9	Dibenzofuran	E625	ug/kg	7300						
1912-24-9	Atrazine	E625	ug/kg	6.62						
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170						
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17						
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148						
206-44-0	Fluoranthene	E625	ug/kg	113						
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240						

				sys_loc_code:	SED52		SED84		SED85	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	RBS-SED52		RBS-SED84		RBS-SED85	
				depth:	0-3 in		0-3 in		0-3 in	
				sample_date:	09/12/2008		09/12/2008		09/12/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
208-96-8	Acenaphthylene	E625	ug/kg	5.87						
218-01-9	Chrysene	E625	ug/kg	108						
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8						
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200						
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611						
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22						
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8						
58-90-2	Chlorophenols	E625	ug/kg	284						
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000						
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120						
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4						
67-72-1	Hexachloroethane	E625	ug/kg	804						
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL						
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139						
78-59-1	Isophorone	E625	ug/kg	511000						
83-32-9	Acenaphthene	E625	ug/kg	6.71						
84-66-2	Diethylphthalate	E625	ug/kg	218						
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160						
85-01-8	Phenanthrene	E625	ug/kg	86.7						
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800						
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100						
86-73-7	Fluorene	E625	ug/kg	19						
86-74-8	Carbazole	E625	ug/kg	NL						
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110						
87-86-5	Pentachlorophenol	E625	ug/kg	2970						
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650						
88-74-4	2-Nitroaniline	E625	ug/kg	60600						
88-75-5	2-Nitrophenol	E625	ug/kg	NL						
91-20-3	Naphthalene	E625	ug/kg	34.6						
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2						
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000						
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080						
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220						

				sys_loc_code:	SED52		SED84		SED85	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	RBS-SED52		RBS-SED84		RBS-SED85	
				depth:	0-3 in		0-3 in		0-3 in	
				sample_date:	09/12/2008		09/12/2008		09/12/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
95-48-7	2-Methylphenol	E625	ug/kg	306000						
95-57-8	2-Chlorophenol	E625	ug/kg	344						
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830						
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819						
98-86-2	Acetophenone	E625	ug/kg	782000						
98-95-3	Nitrobenzene	E625	ug/kg	4790						
99-09-2	3-Nitroaniline	E625	ug/kg	NL						

				sys_loc_code:	SED86		SED91		SED92	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	RBS-SED86		RBS-SED91		RBS-SED92	
				depth:	0-3 in		0-3 in		0-3 in	
				sample_date:	09/12/2008		04/23/2009		04/21/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
7429-90-5	Aluminum	C200.7	mg/kg	7740	1200	R	1420	J	1150	
7440-36-0	Antimony	C200.7	mg/kg	2	8.2	U	7.4	U	6.8	UJ
7440-38-2	Arsenic	C200.7	mg/kg	0.389	1.6	R	2		5.5	J
7440-39-3	Barium	C200.7	mg/kg	130.1	27.4	UJ	10.4	J	2	J
7440-41-7	Beryllium	C200.7	mg/kg	15.6	0.68	U	0.61	U	0.56	U
7440-43-9	Cadmium	C200.7	mg/kg	0.68	0.68	U	0.16	J	0.75	J
7440-70-2	Calcium	C200.7	mg/kg	NL	882	J	3510		564	U
7440-47-3	Chromium	C200.7	mg/kg	52.3	5		5.4		17.3	
7440-48-4	Cobalt	C200.7	mg/kg	2.34	6.8	U	6.1	U	5.4	U
7440-50-8	Copper	C200.7	mg/kg	18.7	1.8	R	1.5	J	3.1	J
7439-89-6	Iron	C200.7	mg/kg	2000	4830		6930		21900	
7439-92-1	Lead	C200.7	mg/kg	30.2	7.3		3.1		3.5	R
7439-95-4	Magnesium	C200.7	mg/kg	NL	781		848		435	J
7439-96-5	Manganese	C200.7	mg/kg	183	27.1	R	35.7		108	R
7440-02-0	Nickel	C200.7	mg/kg	15.9	1.9	J	2.3	J	1.5	J
7440-09-7	Potassium	C200.7	mg/kg	NL	647	J	857	J	564	U
7782-49-2	Selenium	C200.7	mg/kg	2	0.46	J	0.48	J	1.6	J
7440-22-4	Silver	C200.7	mg/kg	0.73	1.4	U	1.2	U	1.1	U
7440-23-5	Sodium	C200.7	mg/kg	NL	2440	J	1330		553	
7440-28-0	Thallium	C200.7	mg/kg	100000	3.4	UJ	3.1	UJ	2.7	UJ
7440-31-5	Tin	C200.7	mg/kg	NL	13.7	UJ				
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548	6.8	J	10.8		21.3	
7440-66-6	Zinc	C200.7	mg/kg	124	13.1	J	10.9		17.5	
7429-90-5	Aluminum	E200.7	mg/kg	7740						
7440-36-0	Antimony	E200.7	mg/kg	2						
7440-38-2	Arsenic	E200.7	mg/kg	0.389						
7440-70-2	Calcium	E200.7	mg/kg	NL						
7440-47-3	Chromium	E200.7	mg/kg	52.3						
7440-50-8	Copper	E200.7	mg/kg	18.7						
7439-89-6	Iron	E200.7	mg/kg	2000						
7439-92-1	Lead	E200.7	mg/kg	30.2						
7439-95-4	Magnesium	E200.7	mg/kg	NL						
7439-96-5	Manganese	E200.7	mg/kg	183						

				sys_loc_code:	SED86		SED91		SED92	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	RBS-SED86		RBS-SED91		RBS-SED92	
				depth:	0-3 in		0-3 in		0-3 in	
				sample_date:	09/12/2008		04/23/2009		04/21/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
7440-02-0	Nickel	E200.7	mg/kg	15.9						
7440-09-7	Potassium	E200.7	mg/kg	NL						
7440-22-4	Silver	E200.7	mg/kg	0.73						
7440-23-5	Sodium	E200.7	mg/kg	NL						
7440-31-5	Tin	E200.7	mg/kg	NL						
7440-66-6	Zinc	E200.7	mg/kg	124						
7440-36-0	Antimony	E200.8	mg/kg	2						
7440-38-2	Arsenic	E200.8	mg/kg	0.389						
7440-39-3	Barium	E200.8	mg/kg	130.1						
7440-41-7	Beryllium	E200.8	mg/kg	15.6						
7440-43-9	Cadmium	E200.8	mg/kg	0.68						
7440-47-3	Chromium	E200.8	mg/kg	52.3						
7440-48-4	Cobalt	E200.8	mg/kg	2.34						
7440-50-8	Copper	E200.8	mg/kg	18.7						
7439-92-1	Lead	E200.8	mg/kg	30.2						
7439-96-5	Manganese	E200.8	mg/kg	183						
7440-02-0	Nickel	E200.8	mg/kg	15.9						
7782-49-2	Selenium	E200.8	mg/kg	2						
7440-22-4	Silver	E200.8	mg/kg	0.73						
7440-28-0	Thallium	E200.8	mg/kg	100000						
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548						
7440-66-6	Zinc	E200.8	mg/kg	124						
7439-97-6	Mercury	E245.5	mg/kg	0.13						
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6						
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357						
309-00-2	Aldrin	CPEST	ug/kg	2						
319-84-6	Alpha-Bhc	CPEST	ug/kg	3						
319-85-7	Beta-Bhc	CPEST	ug/kg	3						
319-86-8	Delta-Bhc	CPEST	ug/kg	3						
33213-65-9	Endosulfan II	CPEST	ug/kg	14						
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19						
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7						
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7						

				sys_loc_code:	SED86		SED91		SED92	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	RBS-SED86		RBS-SED91		RBS-SED92	
				depth:	0-3 in		0-3 in		0-3 in	
				sample_date:	09/12/2008		04/23/2009		04/21/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL						
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32						
60-57-1	Dieldrin	CPEST	ug/kg	0.72						
72-20-8	Endrin	CPEST	ug/kg	2.67						
72-43-5	Methoxychlor	CPEST	ug/kg	29.6						
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22						
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07						
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL						
76-44-8	Heptachlor	CPEST	ug/kg	68						
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1						
959-98-8	Endosulfan I	CPEST	ug/kg	2.9						
11096-82-5	Aroclor 1260	E608	ug/kg	21.6						
11097-69-1	Aroclor 1254	E608	ug/kg	23						
11100-14-4	Aroclor 1268	E608	ug/kg	21.6						
11104-28-2	Aroclor 1221	E608	ug/kg	21.6						
11141-16-5	Aroclor 1232	E608	ug/kg	21.6						
12672-29-6	Aroclor 1248	E608	ug/kg	21.6						
12674-11-2	Aroclor 1016	E608	ug/kg	21.6						
37324-23-5	Aroclor 1262	E608	ug/kg	21.6						
53469-21-9	Aroclor 1242	E608	ug/kg	21.6						
100-41-4	Ethylbenzene	E624	ug/kg	305						
100-42-5	Styrene	E624	ug/kg	7070						
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL						
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL						
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460						
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7						
107-06-2	1,2-Dichloroethane	E624	ug/kg	432						
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000						
108-87-2	Methylcyclohexane	E624	ug/kg	NL						
108-88-3	Toluene	E624	ug/kg	1090						
108-90-7	Chlorobenzene	E624	ug/kg	162						
110-82-7	Cyclohexane	E624	ug/kg	117000						
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473						

				sys_loc_code:	SED86		SED91		SED92	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	RBS-SED86		RBS-SED91		RBS-SED92	
				depth:	0-3 in		0-3 in		0-3 in	
				sample_date:	09/12/2008		04/23/2009		04/21/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
123-91-1	1,4-Dioxane	E624	ug/kg	44100						
124-48-1	Dibromochloromethane	E624	ug/kg	680						
127-18-4	Tetrachloroethene	E624	ug/kg	190						
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200						
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300						
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300						
179601-23-1	m,p-Xylene	E624	ug/kg	NL						
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842						
56-23-5	Carbon tetrachloride	E624	ug/kg	248						
591-78-6	2-Hexanone	E624	ug/kg	20900						
67-64-1	Acetone	E624	ug/kg	6130000						
67-66-3	Chloroform	E624	ug/kg	295						
71-43-2	Benzene	E624	ug/kg	137						
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856						
74-83-9	Bromomethane	E624	ug/kg	732						
74-87-3	Chloromethane	E624	ug/kg	11900						
74-97-5	Bromochloromethane	E624	ug/kg	NL						
75-00-3	Chloroethane	E624	ug/kg	1450000						
75-01-4	Vinyl Chloride	E624	ug/kg	59.7						
75-09-2	Methylene chloride	E624	ug/kg	10700						
75-15-0	Carbon Disulfide	E624	ug/kg	0.851						
75-25-2	Bromoform	E624	ug/kg	1310						
75-27-4	Bromodichloromethane	E624	ug/kg	273						
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310						
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780						
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700						
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400						
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000						
78-87-5	1,2-Dichloropropane	E624	ug/kg	895						
78-93-3	2-Butanone	E624	ug/kg	2780000						
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570						
79-01-6	Trichloroethene	E624	ug/kg	1600						
79-20-9	Methyl Acetate	E624	ug/kg	7820000						

				sys_loc_code:	SED86		SED91		SED92	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	RBS-SED86		RBS-SED91		RBS-SED92	
				depth:	0-3 in		0-3 in		0-3 in	
				sample_date:	09/12/2008		04/23/2009		04/21/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202						
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858						
95-47-6	o-Xylene	E624	ug/kg	NL						
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989						
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35						
98-82-8	Isopropylbenzene	E624	ug/kg	86						
100-01-6	4-Nitroaniline	E625	ug/kg	24300						
100-02-7	4-Nitrophenol	E625	ug/kg	NL						
100-52-7	Benzaldehyde	E625	ug/kg	782000						
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230						
105-60-2	Caprolactam	E625	ug/kg	3060000						
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29						
106-44-5	4-Methylphenol	E625	ug/kg	670						
106-47-8	4-Chloroaniline	E625	ug/kg	2430						
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570						
108-95-2	Phenol	E625	ug/kg	420						
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214						
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300						
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182						
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL						
118-74-1	Hexachlorobenzene	E625	ug/kg	20						
120-12-7	Anthracene	E625	ug/kg	46.9						
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117						
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6						
129-00-0	Pyrene	E625	ug/kg	153						
131-11-3	Dimethylphthalate	E625	ug/kg	NL						
132-64-9	Dibenzofuran	E625	ug/kg	7300						
1912-24-9	Atrazine	E625	ug/kg	6.62						
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170						
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17						
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148						
206-44-0	Fluoranthene	E625	ug/kg	113						
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240						

				sys_loc_code:	SED86		SED91		SED92	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	RBS-SED86		RBS-SED91		RBS-SED92	
				depth:	0-3 in		0-3 in		0-3 in	
				sample_date:	09/12/2008		04/23/2009		04/21/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
208-96-8	Acenaphthylene	E625	ug/kg	5.87						
218-01-9	Chrysene	E625	ug/kg	108						
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8						
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200						
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611						
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22						
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8						
58-90-2	Chlorophenols	E625	ug/kg	284						
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000						
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120						
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4						
67-72-1	Hexachloroethane	E625	ug/kg	804						
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL						
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139						
78-59-1	Isophorone	E625	ug/kg	511000						
83-32-9	Acenaphthene	E625	ug/kg	6.71						
84-66-2	Diethylphthalate	E625	ug/kg	218						
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160						
85-01-8	Phenanthrene	E625	ug/kg	86.7						
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800						
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100						
86-73-7	Fluorene	E625	ug/kg	19						
86-74-8	Carbazole	E625	ug/kg	NL						
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110						
87-86-5	Pentachlorophenol	E625	ug/kg	2970						
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650						
88-74-4	2-Nitroaniline	E625	ug/kg	60600						
88-75-5	2-Nitrophenol	E625	ug/kg	NL						
91-20-3	Naphthalene	E625	ug/kg	34.6						
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2						
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000						
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080						
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220						

				sys_loc_code:	SED86		SED91		SED92	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	RBS-SED86		RBS-SED91		RBS-SED92	
				depth:	0-3 in		0-3 in		0-3 in	
				sample_date:	09/12/2008		04/23/2009		04/21/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
95-48-7	2-Methylphenol	E625	ug/kg	306000						
95-57-8	2-Chlorophenol	E625	ug/kg	344						
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830						
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819						
98-86-2	Acetophenone	E625	ug/kg	782000						
98-95-3	Nitrobenzene	E625	ug/kg	4790						
99-09-2	3-Nitroaniline	E625	ug/kg	NL						

				sys_loc_code:	SED93		SED94		SED95		
				loc_name:	Area-06		Area-06		Area-06		
				sys_sample_code:	RBS-SED93		RBS-SED94		RBS-SED95		
				depth:	0-3 in		0-3 in		0-3 in		
				sample_date:	04/21/2009		04/21/2009		04/21/2009		
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED							
7429-90-5	Aluminum	C200.7	mg/kg	7740	1280		1150		726		
7440-36-0	Antimony	C200.7	mg/kg	2	7.1	UJ	7.3	UJ	7.8	UJ	
7440-38-2	Arsenic	C200.7	mg/kg	0.389	3.9	J	3.5	J	1.5	J	
7440-39-3	Barium	C200.7	mg/kg	130.1	3.7	J	2.2	J	2	J	
7440-41-7	Beryllium	C200.7	mg/kg	15.6	0.76		0.61	U	0.65	U	
7440-43-9	Cadmium	C200.7	mg/kg	0.68	0.54	J	0.31	J	0.13	J	
7440-70-2	Calcium	C200.7	mg/kg	NL	592	U	611	U	654	U	
7440-47-3	Chromium	C200.7	mg/kg	52.3	15		10.3		3.4		
7440-48-4	Cobalt	C200.7	mg/kg	2.34	0.48	J	0.55	J	6.5	U	
7440-50-8	Copper	C200.7	mg/kg	18.7	3.2	J	1.5	J	2.4	J	
7439-89-6	Iron	C200.7	mg/kg	2000	16700		11000		5200		
7439-92-1	Lead	C200.7	mg/kg	30.2	9.3		4.2		6		
7439-95-4	Magnesium	C200.7	mg/kg	NL	325	J	593		363	J	
7439-96-5	Manganese	C200.7	mg/kg	183	9.7	R	23.1		12.6		
7440-02-0	Nickel	C200.7	mg/kg	15.9	3.6	J	2.8	J	1.5	J	
7440-09-7	Potassium	C200.7	mg/kg	NL	592	U	611	U	654	U	
7782-49-2	Selenium	C200.7	mg/kg	2	1.1	J	0.84	J	4.5	U	
7440-22-4	Silver	C200.7	mg/kg	0.73	1.2	U	1.2	U	1.3	U	
7440-23-5	Sodium	C200.7	mg/kg	NL	1180		1380		1790		
7440-28-0	Thallium	C200.7	mg/kg	100000	2.9	UJ	2.9	UJ	3.2	UJ	
7440-31-5	Tin	C200.7	mg/kg	NL							
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548	24.8		10.6		9.3		
7440-66-6	Zinc	C200.7	mg/kg	124	21.8		16.4		12.3		
7429-90-5	Aluminum	E200.7	mg/kg	7740							
7440-36-0	Antimony	E200.7	mg/kg	2							
7440-38-2	Arsenic	E200.7	mg/kg	0.389							
7440-70-2	Calcium	E200.7	mg/kg	NL							
7440-47-3	Chromium	E200.7	mg/kg	52.3							
7440-50-8	Copper	E200.7	mg/kg	18.7							
7439-89-6	Iron	E200.7	mg/kg	2000							
7439-92-1	Lead	E200.7	mg/kg	30.2							
7439-95-4	Magnesium	E200.7	mg/kg	NL							
7439-96-5	Manganese	E200.7	mg/kg	183							

				sys_loc_code:	SED93		SED94		SED95	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	RBS-SED93		RBS-SED94		RBS-SED95	
				depth:	0-3 in		0-3 in		0-3 in	
				sample_date:	04/21/2009		04/21/2009		04/21/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
7440-02-0	Nickel	E200.7	mg/kg	15.9						
7440-09-7	Potassium	E200.7	mg/kg	NL						
7440-22-4	Silver	E200.7	mg/kg	0.73						
7440-23-5	Sodium	E200.7	mg/kg	NL						
7440-31-5	Tin	E200.7	mg/kg	NL						
7440-66-6	Zinc	E200.7	mg/kg	124						
7440-36-0	Antimony	E200.8	mg/kg	2						
7440-38-2	Arsenic	E200.8	mg/kg	0.389						
7440-39-3	Barium	E200.8	mg/kg	130.1						
7440-41-7	Beryllium	E200.8	mg/kg	15.6						
7440-43-9	Cadmium	E200.8	mg/kg	0.68						
7440-47-3	Chromium	E200.8	mg/kg	52.3						
7440-48-4	Cobalt	E200.8	mg/kg	2.34						
7440-50-8	Copper	E200.8	mg/kg	18.7						
7439-92-1	Lead	E200.8	mg/kg	30.2						
7439-96-5	Manganese	E200.8	mg/kg	183						
7440-02-0	Nickel	E200.8	mg/kg	15.9						
7782-49-2	Selenium	E200.8	mg/kg	2						
7440-22-4	Silver	E200.8	mg/kg	0.73						
7440-28-0	Thallium	E200.8	mg/kg	100000						
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548						
7440-66-6	Zinc	E200.8	mg/kg	124						
7439-97-6	Mercury	E245.5	mg/kg	0.13						
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6						
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357						
309-00-2	Aldrin	CPEST	ug/kg	2						
319-84-6	Alpha-Bhc	CPEST	ug/kg	3						
319-85-7	Beta-Bhc	CPEST	ug/kg	3						
319-86-8	Delta-Bhc	CPEST	ug/kg	3						
33213-65-9	Endosulfan II	CPEST	ug/kg	14						
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19						
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7						
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7						

				sys_loc_code:	SED93		SED94		SED95	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	RBS-SED93		RBS-SED94		RBS-SED95	
				depth:	0-3 in		0-3 in		0-3 in	
				sample_date:	04/21/2009		04/21/2009		04/21/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL						
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32						
60-57-1	Dieldrin	CPEST	ug/kg	0.72						
72-20-8	Endrin	CPEST	ug/kg	2.67						
72-43-5	Methoxychlor	CPEST	ug/kg	29.6						
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22						
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07						
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL						
76-44-8	Heptachlor	CPEST	ug/kg	68						
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1						
959-98-8	Endosulfan I	CPEST	ug/kg	2.9						
11096-82-5	Aroclor 1260	E608	ug/kg	21.6						
11097-69-1	Aroclor 1254	E608	ug/kg	23						
11100-14-4	Aroclor 1268	E608	ug/kg	21.6						
11104-28-2	Aroclor 1221	E608	ug/kg	21.6						
11141-16-5	Aroclor 1232	E608	ug/kg	21.6						
12672-29-6	Aroclor 1248	E608	ug/kg	21.6						
12674-11-2	Aroclor 1016	E608	ug/kg	21.6						
37324-23-5	Aroclor 1262	E608	ug/kg	21.6						
53469-21-9	Aroclor 1242	E608	ug/kg	21.6						
100-41-4	Ethylbenzene	E624	ug/kg	305						
100-42-5	Styrene	E624	ug/kg	7070						
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL						
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL						
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460						
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7						
107-06-2	1,2-Dichloroethane	E624	ug/kg	432						
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000						
108-87-2	Methylcyclohexane	E624	ug/kg	NL						
108-88-3	Toluene	E624	ug/kg	1090						
108-90-7	Chlorobenzene	E624	ug/kg	162						
110-82-7	Cyclohexane	E624	ug/kg	117000						
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473						

				sys_loc_code:	SED93		SED94		SED95	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	RBS-SED93		RBS-SED94		RBS-SED95	
				depth:	0-3 in		0-3 in		0-3 in	
				sample_date:	04/21/2009		04/21/2009		04/21/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
123-91-1	1,4-Dioxane	E624	ug/kg	44100						
124-48-1	Dibromochloromethane	E624	ug/kg	680						
127-18-4	Tetrachloroethene	E624	ug/kg	190						
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200						
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300						
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300						
179601-23-1	m,p-Xylene	E624	ug/kg	NL						
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842						
56-23-5	Carbon tetrachloride	E624	ug/kg	248						
591-78-6	2-Hexanone	E624	ug/kg	20900						
67-64-1	Acetone	E624	ug/kg	6130000						
67-66-3	Chloroform	E624	ug/kg	295						
71-43-2	Benzene	E624	ug/kg	137						
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856						
74-83-9	Bromomethane	E624	ug/kg	732						
74-87-3	Chloromethane	E624	ug/kg	11900						
74-97-5	Bromochloromethane	E624	ug/kg	NL						
75-00-3	Chloroethane	E624	ug/kg	1450000						
75-01-4	Vinyl Chloride	E624	ug/kg	59.7						
75-09-2	Methylene chloride	E624	ug/kg	10700						
75-15-0	Carbon Disulfide	E624	ug/kg	0.851						
75-25-2	Bromoform	E624	ug/kg	1310						
75-27-4	Bromodichloromethane	E624	ug/kg	273						
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310						
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780						
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700						
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400						
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000						
78-87-5	1,2-Dichloropropane	E624	ug/kg	895						
78-93-3	2-Butanone	E624	ug/kg	2780000						
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570						
79-01-6	Trichloroethene	E624	ug/kg	1600						
79-20-9	Methyl Acetate	E624	ug/kg	7820000						

				sys_loc_code:	SED93		SED94		SED95	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	RBS-SED93		RBS-SED94		RBS-SED95	
				depth:	0-3 in		0-3 in		0-3 in	
				sample_date:	04/21/2009		04/21/2009		04/21/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202						
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858						
95-47-6	o-Xylene	E624	ug/kg	NL						
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989						
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35						
98-82-8	Isopropylbenzene	E624	ug/kg	86						
100-01-6	4-Nitroaniline	E625	ug/kg	24300						
100-02-7	4-Nitrophenol	E625	ug/kg	NL						
100-52-7	Benzaldehyde	E625	ug/kg	782000						
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230						
105-60-2	Caprolactam	E625	ug/kg	3060000						
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29						
106-44-5	4-Methylphenol	E625	ug/kg	670						
106-47-8	4-Chloroaniline	E625	ug/kg	2430						
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570						
108-95-2	Phenol	E625	ug/kg	420						
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214						
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300						
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182						
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL						
118-74-1	Hexachlorobenzene	E625	ug/kg	20						
120-12-7	Anthracene	E625	ug/kg	46.9						
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117						
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6						
129-00-0	Pyrene	E625	ug/kg	153						
131-11-3	Dimethylphthalate	E625	ug/kg	NL						
132-64-9	Dibenzofuran	E625	ug/kg	7300						
1912-24-9	Atrazine	E625	ug/kg	6.62						
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170						
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17						
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148						
206-44-0	Fluoranthene	E625	ug/kg	113						
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240						

				sys_loc_code:	SED93		SED94		SED95	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	RBS-SED93		RBS-SED94		RBS-SED95	
				depth:	0-3 in		0-3 in		0-3 in	
				sample_date:	04/21/2009		04/21/2009		04/21/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
208-96-8	Acenaphthylene	E625	ug/kg	5.87						
218-01-9	Chrysene	E625	ug/kg	108						
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8						
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200						
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611						
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22						
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8						
58-90-2	Chlorophenols	E625	ug/kg	284						
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000						
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120						
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4						
67-72-1	Hexachloroethane	E625	ug/kg	804						
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL						
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139						
78-59-1	Isophorone	E625	ug/kg	511000						
83-32-9	Acenaphthene	E625	ug/kg	6.71						
84-66-2	Diethylphthalate	E625	ug/kg	218						
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160						
85-01-8	Phenanthrene	E625	ug/kg	86.7						
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800						
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100						
86-73-7	Fluorene	E625	ug/kg	19						
86-74-8	Carbazole	E625	ug/kg	NL						
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110						
87-86-5	Pentachlorophenol	E625	ug/kg	2970						
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650						
88-74-4	2-Nitroaniline	E625	ug/kg	60600						
88-75-5	2-Nitrophenol	E625	ug/kg	NL						
91-20-3	Naphthalene	E625	ug/kg	34.6						
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2						
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000						
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080						
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220						

				sys_loc_code:	SED93		SED94		SED95	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	RBS-SED93		RBS-SED94		RBS-SED95	
				depth:	0-3 in		0-3 in		0-3 in	
				sample_date:	04/21/2009		04/21/2009		04/21/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
95-48-7	2-Methylphenol	E625	ug/kg	306000						
95-57-8	2-Chlorophenol	E625	ug/kg	344						
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830						
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819						
98-86-2	Acetophenone	E625	ug/kg	782000						
98-95-3	Nitrobenzene	E625	ug/kg	4790						
99-09-2	3-Nitroaniline	E625	ug/kg	NL						

					sys_loc_code:	SED96		SED97		SED98	
					loc_name:	Area-06		Area-06		Area-06	
					sys_sample_code:	RBS-SED96		RBS-SED97		RBS-SED98	
					depth:	0-3 in		0-3 in		0-3 in	
					sample_date:	04/23/2009		04/23/2009		04/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED							
7429-90-5	Aluminum	C200.7	mg/kg	7740		822	J	716	J	1440	J
7440-36-0	Antimony	C200.7	mg/kg	2		7.2	U	7.2	U	7	U
7440-38-2	Arsenic	C200.7	mg/kg	0.389		3.5		1.8		6.3	
7440-39-3	Barium	C200.7	mg/kg	130.1		2.3	J	1.4	J	1.9	J
7440-41-7	Beryllium	C200.7	mg/kg	15.6		0.6	U	0.6	U	0.59	U
7440-43-9	Cadmium	C200.7	mg/kg	0.68		0.41	J	0.16	J	0.96	
7440-70-2	Calcium	C200.7	mg/kg	NL		604	R	1160	R	920	R
7440-47-3	Chromium	C200.7	mg/kg	52.3		8.5		4.7		17.4	
7440-48-4	Cobalt	C200.7	mg/kg	2.34		6	U	5.9	U	5.9	U
7440-50-8	Copper	C200.7	mg/kg	18.7		2.3	J	1.4	J	4.7	
7439-89-6	Iron	C200.7	mg/kg	2000		10500		6240		20600	
7439-92-1	Lead	C200.7	mg/kg	30.2		3		2.3		12.5	
7439-95-4	Magnesium	C200.7	mg/kg	NL		604	U	600	U	586	U
7439-96-5	Manganese	C200.7	mg/kg	183		37		35.8		36.3	
7440-02-0	Nickel	C200.7	mg/kg	15.9		1.5	J	1.4	J	4.2	J
7440-09-7	Potassium	C200.7	mg/kg	NL		280	J	228	J	308	J
7782-49-2	Selenium	C200.7	mg/kg	2		0.72	J	0.5	J	1.7	J
7440-22-4	Silver	C200.7	mg/kg	0.73		1.2	U	1.2	U	1.2	U
7440-23-5	Sodium	C200.7	mg/kg	NL		1320		818		938	
7440-28-0	Thallium	C200.7	mg/kg	100000		3	UJ	2.9	UJ	2.9	UJ
7440-31-5	Tin	C200.7	mg/kg	NL							
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548		15.4		8.4		29.3	
7440-66-6	Zinc	C200.7	mg/kg	124		9.3		9.3		31.3	
7429-90-5	Aluminum	E200.7	mg/kg	7740							
7440-36-0	Antimony	E200.7	mg/kg	2							
7440-38-2	Arsenic	E200.7	mg/kg	0.389							
7440-70-2	Calcium	E200.7	mg/kg	NL							
7440-47-3	Chromium	E200.7	mg/kg	52.3							
7440-50-8	Copper	E200.7	mg/kg	18.7							
7439-89-6	Iron	E200.7	mg/kg	2000							
7439-92-1	Lead	E200.7	mg/kg	30.2							
7439-95-4	Magnesium	E200.7	mg/kg	NL							
7439-96-5	Manganese	E200.7	mg/kg	183							

				sys_loc_code:	SED96		SED97		SED98	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	RBS-SED96		RBS-SED97		RBS-SED98	
				depth:	0-3 in		0-3 in		0-3 in	
				sample_date:	04/23/2009		04/23/2009		04/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
7440-02-0	Nickel	E200.7	mg/kg	15.9						
7440-09-7	Potassium	E200.7	mg/kg	NL						
7440-22-4	Silver	E200.7	mg/kg	0.73						
7440-23-5	Sodium	E200.7	mg/kg	NL						
7440-31-5	Tin	E200.7	mg/kg	NL						
7440-66-6	Zinc	E200.7	mg/kg	124						
7440-36-0	Antimony	E200.8	mg/kg	2						
7440-38-2	Arsenic	E200.8	mg/kg	0.389						
7440-39-3	Barium	E200.8	mg/kg	130.1						
7440-41-7	Beryllium	E200.8	mg/kg	15.6						
7440-43-9	Cadmium	E200.8	mg/kg	0.68						
7440-47-3	Chromium	E200.8	mg/kg	52.3						
7440-48-4	Cobalt	E200.8	mg/kg	2.34						
7440-50-8	Copper	E200.8	mg/kg	18.7						
7439-92-1	Lead	E200.8	mg/kg	30.2						
7439-96-5	Manganese	E200.8	mg/kg	183						
7440-02-0	Nickel	E200.8	mg/kg	15.9						
7782-49-2	Selenium	E200.8	mg/kg	2						
7440-22-4	Silver	E200.8	mg/kg	0.73						
7440-28-0	Thallium	E200.8	mg/kg	100000						
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548						
7440-66-6	Zinc	E200.8	mg/kg	124						
7439-97-6	Mercury	E245.5	mg/kg	0.13						
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6						
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357						
309-00-2	Aldrin	CPEST	ug/kg	2						
319-84-6	Alpha-Bhc	CPEST	ug/kg	3						
319-85-7	Beta-Bhc	CPEST	ug/kg	3						
319-86-8	Delta-Bhc	CPEST	ug/kg	3						
33213-65-9	Endosulfan II	CPEST	ug/kg	14						
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19						
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7						
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7						

				sys_loc_code:	SED96		SED97		SED98	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	RBS-SED96		RBS-SED97		RBS-SED98	
				depth:	0-3 in		0-3 in		0-3 in	
				sample_date:	04/23/2009		04/23/2009		04/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL						
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32						
60-57-1	Dieldrin	CPEST	ug/kg	0.72						
72-20-8	Endrin	CPEST	ug/kg	2.67						
72-43-5	Methoxychlor	CPEST	ug/kg	29.6						
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22						
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07						
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL						
76-44-8	Heptachlor	CPEST	ug/kg	68						
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1						
959-98-8	Endosulfan I	CPEST	ug/kg	2.9						
11096-82-5	Aroclor 1260	E608	ug/kg	21.6						
11097-69-1	Aroclor 1254	E608	ug/kg	23						
11100-14-4	Aroclor 1268	E608	ug/kg	21.6						
11104-28-2	Aroclor 1221	E608	ug/kg	21.6						
11141-16-5	Aroclor 1232	E608	ug/kg	21.6						
12672-29-6	Aroclor 1248	E608	ug/kg	21.6						
12674-11-2	Aroclor 1016	E608	ug/kg	21.6						
37324-23-5	Aroclor 1262	E608	ug/kg	21.6						
53469-21-9	Aroclor 1242	E608	ug/kg	21.6						
100-41-4	Ethylbenzene	E624	ug/kg	305						
100-42-5	Styrene	E624	ug/kg	7070						
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL						
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL						
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460						
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7						
107-06-2	1,2-Dichloroethane	E624	ug/kg	432						
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000						
108-87-2	Methylcyclohexane	E624	ug/kg	NL						
108-88-3	Toluene	E624	ug/kg	1090						
108-90-7	Chlorobenzene	E624	ug/kg	162						
110-82-7	Cyclohexane	E624	ug/kg	117000						
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473						

				sys_loc_code:	SED96		SED97		SED98	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	RBS-SED96		RBS-SED97		RBS-SED98	
				depth:	0-3 in		0-3 in		0-3 in	
				sample_date:	04/23/2009		04/23/2009		04/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
123-91-1	1,4-Dioxane	E624	ug/kg	44100						
124-48-1	Dibromochloromethane	E624	ug/kg	680						
127-18-4	Tetrachloroethene	E624	ug/kg	190						
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200						
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300						
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300						
179601-23-1	m,p-Xylene	E624	ug/kg	NL						
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842						
56-23-5	Carbon tetrachloride	E624	ug/kg	248						
591-78-6	2-Hexanone	E624	ug/kg	20900						
67-64-1	Acetone	E624	ug/kg	6130000						
67-66-3	Chloroform	E624	ug/kg	295						
71-43-2	Benzene	E624	ug/kg	137						
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856						
74-83-9	Bromomethane	E624	ug/kg	732						
74-87-3	Chloromethane	E624	ug/kg	11900						
74-97-5	Bromochloromethane	E624	ug/kg	NL						
75-00-3	Chloroethane	E624	ug/kg	1450000						
75-01-4	Vinyl Chloride	E624	ug/kg	59.7						
75-09-2	Methylene chloride	E624	ug/kg	10700						
75-15-0	Carbon Disulfide	E624	ug/kg	0.851						
75-25-2	Bromoform	E624	ug/kg	1310						
75-27-4	Bromodichloromethane	E624	ug/kg	273						
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310						
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780						
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700						
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400						
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000						
78-87-5	1,2-Dichloropropane	E624	ug/kg	895						
78-93-3	2-Butanone	E624	ug/kg	2780000						
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570						
79-01-6	Trichloroethene	E624	ug/kg	1600						
79-20-9	Methyl Acetate	E624	ug/kg	7820000						

				sys_loc_code:	SED96		SED97		SED98	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	RBS-SED96		RBS-SED97		RBS-SED98	
				depth:	0-3 in		0-3 in		0-3 in	
				sample_date:	04/23/2009		04/23/2009		04/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202						
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858						
95-47-6	o-Xylene	E624	ug/kg	NL						
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989						
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35						
98-82-8	Isopropylbenzene	E624	ug/kg	86						
100-01-6	4-Nitroaniline	E625	ug/kg	24300						
100-02-7	4-Nitrophenol	E625	ug/kg	NL						
100-52-7	Benzaldehyde	E625	ug/kg	782000						
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230						
105-60-2	Caprolactam	E625	ug/kg	3060000						
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29						
106-44-5	4-Methylphenol	E625	ug/kg	670						
106-47-8	4-Chloroaniline	E625	ug/kg	2430						
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570						
108-95-2	Phenol	E625	ug/kg	420						
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214						
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300						
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182						
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL						
118-74-1	Hexachlorobenzene	E625	ug/kg	20						
120-12-7	Anthracene	E625	ug/kg	46.9						
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117						
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6						
129-00-0	Pyrene	E625	ug/kg	153						
131-11-3	Dimethylphthalate	E625	ug/kg	NL						
132-64-9	Dibenzofuran	E625	ug/kg	7300						
1912-24-9	Atrazine	E625	ug/kg	6.62						
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170						
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17						
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148						
206-44-0	Fluoranthene	E625	ug/kg	113						
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240						

				sys_loc_code:	SED96		SED97		SED98	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	RBS-SED96		RBS-SED97		RBS-SED98	
				depth:	0-3 in		0-3 in		0-3 in	
				sample_date:	04/23/2009		04/23/2009		04/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
208-96-8	Acenaphthylene	E625	ug/kg	5.87						
218-01-9	Chrysene	E625	ug/kg	108						
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8						
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200						
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611						
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22						
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8						
58-90-2	Chlorophenols	E625	ug/kg	284						
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000						
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120						
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4						
67-72-1	Hexachloroethane	E625	ug/kg	804						
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL						
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139						
78-59-1	Isophorone	E625	ug/kg	511000						
83-32-9	Acenaphthene	E625	ug/kg	6.71						
84-66-2	Diethylphthalate	E625	ug/kg	218						
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160						
85-01-8	Phenanthrene	E625	ug/kg	86.7						
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800						
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100						
86-73-7	Fluorene	E625	ug/kg	19						
86-74-8	Carbazole	E625	ug/kg	NL						
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110						
87-86-5	Pentachlorophenol	E625	ug/kg	2970						
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650						
88-74-4	2-Nitroaniline	E625	ug/kg	60600						
88-75-5	2-Nitrophenol	E625	ug/kg	NL						
91-20-3	Naphthalene	E625	ug/kg	34.6						
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2						
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000						
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080						
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220						

				sys_loc_code:	SED96		SED97		SED98	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	RBS-SED96		RBS-SED97		RBS-SED98	
				depth:	0-3 in		0-3 in		0-3 in	
				sample_date:	04/23/2009		04/23/2009		04/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
95-48-7	2-Methylphenol	E625	ug/kg	306000						
95-57-8	2-Chlorophenol	E625	ug/kg	344						
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830						
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819						
98-86-2	Acetophenone	E625	ug/kg	782000						
98-95-3	Nitrobenzene	E625	ug/kg	4790						
99-09-2	3-Nitroaniline	E625	ug/kg	NL						

				sys_loc_code:	SED99		B26		B27		
				loc_name:	Area-06		Area-06		Area-06		
				sys_sample_code:	RBS-SED99		B26 0-6		B27 0-6		
				depth:	0-3 in		0-6 in		0-6 in		
				sample_date:	04/21/2009		07/09/2009		07/09/2009		
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED							
7429-90-5	Aluminum	C200.7	mg/kg	7740	1260						
7440-36-0	Antimony	C200.7	mg/kg	2	7.2	UJ					
7440-38-2	Arsenic	C200.7	mg/kg	0.389	4.3	J					
7440-39-3	Barium	C200.7	mg/kg	130.1	9.9	J					
7440-41-7	Beryllium	C200.7	mg/kg	15.6	0.6	U					
7440-43-9	Cadmium	C200.7	mg/kg	0.68	0.45	J					
7440-70-2	Calcium	C200.7	mg/kg	NL	1720						
7440-47-3	Chromium	C200.7	mg/kg	52.3	31.2						
7440-48-4	Cobalt	C200.7	mg/kg	2.34	6	U					
7440-50-8	Copper	C200.7	mg/kg	18.7	5.7	J					
7439-89-6	Iron	C200.7	mg/kg	2000	13900						
7439-92-1	Lead	C200.7	mg/kg	30.2	2.2						
7439-95-4	Magnesium	C200.7	mg/kg	NL	1020						
7439-96-5	Manganese	C200.7	mg/kg	183	546						
7440-02-0	Nickel	C200.7	mg/kg	15.9	0.98	J					
7440-09-7	Potassium	C200.7	mg/kg	NL	601	U					
7782-49-2	Selenium	C200.7	mg/kg	2	0.53	J					
7440-22-4	Silver	C200.7	mg/kg	0.73	1.2	U					
7440-23-5	Sodium	C200.7	mg/kg	NL	940						
7440-28-0	Thallium	C200.7	mg/kg	100000	3	UJ					
7440-31-5	Tin	C200.7	mg/kg	NL							
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548	24.7						
7440-66-6	Zinc	C200.7	mg/kg	124	8.7						
7429-90-5	Aluminum	E200.7	mg/kg	7740			954	J	560	J	
7440-36-0	Antimony	E200.7	mg/kg	2							
7440-38-2	Arsenic	E200.7	mg/kg	0.389			2.3		1.6		
7440-70-2	Calcium	E200.7	mg/kg	NL			766		254	J	
7440-47-3	Chromium	E200.7	mg/kg	52.3							
7440-50-8	Copper	E200.7	mg/kg	18.7			5.7		3.9		
7439-89-6	Iron	E200.7	mg/kg	2000			5910	J	3230	J	
7439-92-1	Lead	E200.7	mg/kg	30.2			32.5	J	19.2	J	
7439-95-4	Magnesium	E200.7	mg/kg	NL			688		341	J	
7439-96-5	Manganese	E200.7	mg/kg	183			32.1		15.4		

				sys_loc_code:	SED99		B26		B27		
				loc_name:	Area-06		Area-06		Area-06		
				sys_sample_code:	RBS-SED99		B26 0-6		B27 0-6		
				depth:	0-3 in		0-6 in		0-6 in		
				sample_date:	04/21/2009		07/09/2009		07/09/2009		
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED							
7440-02-0	Nickel	E200.7	mg/kg	15.9							
7440-09-7	Potassium	E200.7	mg/kg	NL			444	J	154	J	
7440-22-4	Silver	E200.7	mg/kg	0.73							
7440-23-5	Sodium	E200.7	mg/kg	NL			1930	J	1440	J	
7440-31-5	Tin	E200.7	mg/kg	NL							
7440-66-6	Zinc	E200.7	mg/kg	124			24.1		16.6		
7440-36-0	Antimony	E200.8	mg/kg	2							
7440-38-2	Arsenic	E200.8	mg/kg	0.389							
7440-39-3	Barium	E200.8	mg/kg	130.1							
7440-41-7	Beryllium	E200.8	mg/kg	15.6							
7440-43-9	Cadmium	E200.8	mg/kg	0.68							
7440-47-3	Chromium	E200.8	mg/kg	52.3							
7440-48-4	Cobalt	E200.8	mg/kg	2.34							
7440-50-8	Copper	E200.8	mg/kg	18.7							
7439-92-1	Lead	E200.8	mg/kg	30.2							
7439-96-5	Manganese	E200.8	mg/kg	183							
7440-02-0	Nickel	E200.8	mg/kg	15.9							
7782-49-2	Selenium	E200.8	mg/kg	2							
7440-22-4	Silver	E200.8	mg/kg	0.73							
7440-28-0	Thallium	E200.8	mg/kg	100000							
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548							
7440-66-6	Zinc	E200.8	mg/kg	124							
7439-97-6	Mercury	E245.5	mg/kg	0.13							
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6							
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357							
309-00-2	Aldrin	CPEST	ug/kg	2							
319-84-6	Alpha-Bhc	CPEST	ug/kg	3							
319-85-7	Beta-Bhc	CPEST	ug/kg	3							
319-86-8	Delta-Bhc	CPEST	ug/kg	3							
33213-65-9	Endosulfan II	CPEST	ug/kg	14							
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19							
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7							
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7							

				sys_loc_code:	SED99		B26		B27	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	RBS-SED99		B26 0-6		B27 0-6	
				depth:	0-3 in		0-6 in		0-6 in	
				sample_date:	04/21/2009		07/09/2009		07/09/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL						
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32						
60-57-1	Dieldrin	CPEST	ug/kg	0.72						
72-20-8	Endrin	CPEST	ug/kg	2.67						
72-43-5	Methoxychlor	CPEST	ug/kg	29.6						
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22						
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07						
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL						
76-44-8	Heptachlor	CPEST	ug/kg	68						
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1						
959-98-8	Endosulfan I	CPEST	ug/kg	2.9						
11096-82-5	Aroclor 1260	E608	ug/kg	21.6						
11097-69-1	Aroclor 1254	E608	ug/kg	23						
11100-14-4	Aroclor 1268	E608	ug/kg	21.6						
11104-28-2	Aroclor 1221	E608	ug/kg	21.6						
11141-16-5	Aroclor 1232	E608	ug/kg	21.6						
12672-29-6	Aroclor 1248	E608	ug/kg	21.6						
12674-11-2	Aroclor 1016	E608	ug/kg	21.6						
37324-23-5	Aroclor 1262	E608	ug/kg	21.6						
53469-21-9	Aroclor 1242	E608	ug/kg	21.6						
100-41-4	Ethylbenzene	E624	ug/kg	305						
100-42-5	Styrene	E624	ug/kg	7070						
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL						
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL						
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460						
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7						
107-06-2	1,2-Dichloroethane	E624	ug/kg	432						
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000						
108-87-2	Methylcyclohexane	E624	ug/kg	NL						
108-88-3	Toluene	E624	ug/kg	1090						
108-90-7	Chlorobenzene	E624	ug/kg	162						
110-82-7	Cyclohexane	E624	ug/kg	117000						
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473						

				sys_loc_code:	SED99		B26		B27	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	RBS-SED99		B26 0-6		B27 0-6	
				depth:	0-3 in		0-6 in		0-6 in	
				sample_date:	04/21/2009		07/09/2009		07/09/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
123-91-1	1,4-Dioxane	E624	ug/kg	44100						
124-48-1	Dibromochloromethane	E624	ug/kg	680						
127-18-4	Tetrachloroethene	E624	ug/kg	190						
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200						
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300						
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300						
179601-23-1	m,p-Xylene	E624	ug/kg	NL						
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842						
56-23-5	Carbon tetrachloride	E624	ug/kg	248						
591-78-6	2-Hexanone	E624	ug/kg	20900						
67-64-1	Acetone	E624	ug/kg	6130000						
67-66-3	Chloroform	E624	ug/kg	295						
71-43-2	Benzene	E624	ug/kg	137						
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856						
74-83-9	Bromomethane	E624	ug/kg	732						
74-87-3	Chloromethane	E624	ug/kg	11900						
74-97-5	Bromochloromethane	E624	ug/kg	NL						
75-00-3	Chloroethane	E624	ug/kg	1450000						
75-01-4	Vinyl Chloride	E624	ug/kg	59.7						
75-09-2	Methylene chloride	E624	ug/kg	10700						
75-15-0	Carbon Disulfide	E624	ug/kg	0.851						
75-25-2	Bromoform	E624	ug/kg	1310						
75-27-4	Bromodichloromethane	E624	ug/kg	273						
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310						
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780						
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700						
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400						
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000						
78-87-5	1,2-Dichloropropane	E624	ug/kg	895						
78-93-3	2-Butanone	E624	ug/kg	2780000						
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570						
79-01-6	Trichloroethene	E624	ug/kg	1600						
79-20-9	Methyl Acetate	E624	ug/kg	7820000						

				sys_loc_code:	SED99		B26		B27	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	RBS-SED99		B26 0-6		B27 0-6	
				depth:	0-3 in		0-6 in		0-6 in	
				sample_date:	04/21/2009		07/09/2009		07/09/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202						
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858						
95-47-6	o-Xylene	E624	ug/kg	NL						
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989						
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35						
98-82-8	Isopropylbenzene	E624	ug/kg	86						
100-01-6	4-Nitroaniline	E625	ug/kg	24300						
100-02-7	4-Nitrophenol	E625	ug/kg	NL						
100-52-7	Benzaldehyde	E625	ug/kg	782000						
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230						
105-60-2	Caprolactam	E625	ug/kg	3060000						
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29						
106-44-5	4-Methylphenol	E625	ug/kg	670						
106-47-8	4-Chloroaniline	E625	ug/kg	2430						
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570						
108-95-2	Phenol	E625	ug/kg	420						
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214						
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300						
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182						
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL						
118-74-1	Hexachlorobenzene	E625	ug/kg	20						
120-12-7	Anthracene	E625	ug/kg	46.9						
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117						
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6						
129-00-0	Pyrene	E625	ug/kg	153						
131-11-3	Dimethylphthalate	E625	ug/kg	NL						
132-64-9	Dibenzofuran	E625	ug/kg	7300						
1912-24-9	Atrazine	E625	ug/kg	6.62						
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170						
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17						
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148						
206-44-0	Fluoranthene	E625	ug/kg	113						
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240						

				sys_loc_code:	SED99		B26		B27	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	RBS-SED99		B26 0-6		B27 0-6	
				depth:	0-3 in		0-6 in		0-6 in	
				sample_date:	04/21/2009		07/09/2009		07/09/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
208-96-8	Acenaphthylene	E625	ug/kg	5.87						
218-01-9	Chrysene	E625	ug/kg	108						
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8						
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200						
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611						
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22						
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8						
58-90-2	Chlorophenols	E625	ug/kg	284						
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000						
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120						
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4						
67-72-1	Hexachloroethane	E625	ug/kg	804						
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL						
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139						
78-59-1	Isophorone	E625	ug/kg	511000						
83-32-9	Acenaphthene	E625	ug/kg	6.71						
84-66-2	Diethylphthalate	E625	ug/kg	218						
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160						
85-01-8	Phenanthrene	E625	ug/kg	86.7						
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800						
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100						
86-73-7	Fluorene	E625	ug/kg	19						
86-74-8	Carbazole	E625	ug/kg	NL						
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110						
87-86-5	Pentachlorophenol	E625	ug/kg	2970						
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650						
88-74-4	2-Nitroaniline	E625	ug/kg	60600						
88-75-5	2-Nitrophenol	E625	ug/kg	NL						
91-20-3	Naphthalene	E625	ug/kg	34.6						
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2						
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000						
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080						
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220						

				sys_loc_code:	SED99		B26		B27	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	RBS-SED99		B26 0-6		B27 0-6	
				depth:	0-3 in		0-6 in		0-6 in	
				sample_date:	04/21/2009		07/09/2009		07/09/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
95-48-7	2-Methylphenol	E625	ug/kg	306000						
95-57-8	2-Chlorophenol	E625	ug/kg	344						
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830						
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819						
98-86-2	Acetophenone	E625	ug/kg	782000						
98-95-3	Nitrobenzene	E625	ug/kg	4790						
99-09-2	3-Nitroaniline	E625	ug/kg	NL						

				sys_loc_code:	B28		B30		B31	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B28 0-6		B30 0-6		B31 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/08/2009		07/23/2009		07/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
7429-90-5	Aluminum	C200.7	mg/kg	7740						
7440-36-0	Antimony	C200.7	mg/kg	2						
7440-38-2	Arsenic	C200.7	mg/kg	0.389						
7440-39-3	Barium	C200.7	mg/kg	130.1						
7440-41-7	Beryllium	C200.7	mg/kg	15.6						
7440-43-9	Cadmium	C200.7	mg/kg	0.68						
7440-70-2	Calcium	C200.7	mg/kg	NL						
7440-47-3	Chromium	C200.7	mg/kg	52.3						
7440-48-4	Cobalt	C200.7	mg/kg	2.34						
7440-50-8	Copper	C200.7	mg/kg	18.7						
7439-89-6	Iron	C200.7	mg/kg	2000						
7439-92-1	Lead	C200.7	mg/kg	30.2						
7439-95-4	Magnesium	C200.7	mg/kg	NL						
7439-96-5	Manganese	C200.7	mg/kg	183						
7440-02-0	Nickel	C200.7	mg/kg	15.9						
7440-09-7	Potassium	C200.7	mg/kg	NL						
7782-49-2	Selenium	C200.7	mg/kg	2						
7440-22-4	Silver	C200.7	mg/kg	0.73						
7440-23-5	Sodium	C200.7	mg/kg	NL						
7440-28-0	Thallium	C200.7	mg/kg	100000						
7440-31-5	Tin	C200.7	mg/kg	NL						
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548						
7440-66-6	Zinc	C200.7	mg/kg	124						
7429-90-5	Aluminum	E200.7	mg/kg	7740			1060	J	1300	J
7440-36-0	Antimony	E200.7	mg/kg	2						
7440-38-2	Arsenic	E200.7	mg/kg	0.389						
7440-70-2	Calcium	E200.7	mg/kg	NL			249	J	497	J
7440-47-3	Chromium	E200.7	mg/kg	52.3						
7440-50-8	Copper	E200.7	mg/kg	18.7						
7439-89-6	Iron	E200.7	mg/kg	2000			3610		4460	
7439-92-1	Lead	E200.7	mg/kg	30.2						
7439-95-4	Magnesium	E200.7	mg/kg	NL			566	J	672	
7439-96-5	Manganese	E200.7	mg/kg	183						

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				sys_loc_code:	B28		B30		B31		
				loc_name:	Area-06		Area-06		Area-06		
				sys_sample_code:	B28 0-6		B30 0-6		B31 0-6		
				depth:	0-6 in		0-6 in		0-6 in		
				sample_date:	07/08/2009		07/23/2009		07/23/2009		
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED							
7440-02-0	Nickel	E200.7	mg/kg	15.9							
7440-09-7	Potassium	E200.7	mg/kg	NL			650	U	652	U	
7440-22-4	Silver	E200.7	mg/kg	0.73							
7440-23-5	Sodium	E200.7	mg/kg	NL			2440		2240		
7440-31-5	Tin	E200.7	mg/kg	NL							
7440-66-6	Zinc	E200.7	mg/kg	124							
7440-36-0	Antimony	E200.8	mg/kg	2	1.3	U	1.3	UJ	1.3	UJ	
7440-38-2	Arsenic	E200.8	mg/kg	0.389	4.3		1.7		2.7		
7440-39-3	Barium	E200.8	mg/kg	130.1	2.9	J	6.5	UJ	6.5	UJ	
7440-41-7	Beryllium	E200.8	mg/kg	15.6	1.3		0.32	U	0.33	U	
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.047	J	0.32	U	0.33	U	
7440-47-3	Chromium	E200.8	mg/kg	52.3	11.2		4		6.2		
7440-48-4	Cobalt	E200.8	mg/kg	2.34	1.3		0.65		0.94		
7440-50-8	Copper	E200.8	mg/kg	18.7	3.5		6		4.6		
7439-92-1	Lead	E200.8	mg/kg	30.2	16.6		20.1		21.5		
7439-96-5	Manganese	E200.8	mg/kg	183	26.6		19.8		27.8		
7440-02-0	Nickel	E200.8	mg/kg	15.9	2.4		1.4	J	1.8	J	
7782-49-2	Selenium	E200.8	mg/kg	2	0.65	U	0.65	U	0.65	U	
7440-22-4	Silver	E200.8	mg/kg	0.73	0.33	U	0.32	U	0.33	U	
7440-28-0	Thallium	E200.8	mg/kg	100000	0.65	U	0.65	U	0.65	U	
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	37	J	7.2	J	9.7	J	
7440-66-6	Zinc	E200.8	mg/kg	124	4.4	R	21.1		21.6		
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.039	U	0.039	U	0.039	U	
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6					2.3	UJ	
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357					4.4	U	
309-00-2	Aldrin	CPEST	ug/kg	2					2.3	U	
319-84-6	Alpha-Bhc	CPEST	ug/kg	3					0.042	J	
319-85-7	Beta-Bhc	CPEST	ug/kg	3					0.052	J	
319-86-8	Delta-Bhc	CPEST	ug/kg	3					2.3	U	
33213-65-9	Endosulfan II	CPEST	ug/kg	14					4.4	U	
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19					4.4	U	
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7					2.3	U	
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7					2.3	U	

				sys_loc_code:	B28		B30		B31	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B28 0-6		B30 0-6		B31 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/08/2009		07/23/2009		07/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL					4.4	U
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32					2.3	U
60-57-1	Dieldrin	CPEST	ug/kg	0.72					4.4	U
72-20-8	Endrin	CPEST	ug/kg	2.67					4.4	U
72-43-5	Methoxychlor	CPEST	ug/kg	29.6					23	U
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22					4.4	U
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07					4.4	U
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL					4.4	U
76-44-8	Heptachlor	CPEST	ug/kg	68					2.3	U
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1					230	U
959-98-8	Endosulfan I	CPEST	ug/kg	2.9					2.3	U
11096-82-5	Aroclor 1260	E608	ug/kg	21.6					44	U
11097-69-1	Aroclor 1254	E608	ug/kg	23					17	J
11100-14-4	Aroclor 1268	E608	ug/kg	21.6					44	U
11104-28-2	Aroclor 1221	E608	ug/kg	21.6					44	U
11141-16-5	Aroclor 1232	E608	ug/kg	21.6					44	U
12672-29-6	Aroclor 1248	E608	ug/kg	21.6					44	U
12674-11-2	Aroclor 1016	E608	ug/kg	21.6					44	U
37324-23-5	Aroclor 1262	E608	ug/kg	21.6					44	U
53469-21-9	Aroclor 1242	E608	ug/kg	21.6					44	U
100-41-4	Ethylbenzene	E624	ug/kg	305					6	U
100-42-5	Styrene	E624	ug/kg	7070					6	U
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL					6	U
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL					6	U
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460					6	U
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7					6	U
107-06-2	1,2-Dichloroethane	E624	ug/kg	432					6	U
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000					12	U
108-87-2	Methylcyclohexane	E624	ug/kg	NL					6	U
108-88-3	Toluene	E624	ug/kg	1090					6	U
108-90-7	Chlorobenzene	E624	ug/kg	162					6	U
110-82-7	Cyclohexane	E624	ug/kg	117000					6	U
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473					6	U

				sys_loc_code:	B28		B30		B31	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B28 0-6		B30 0-6		B31 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/08/2009		07/23/2009		07/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
123-91-1	1,4-Dioxane	E624	ug/kg	44100					120	R
124-48-1	Dibromochloromethane	E624	ug/kg	680					6	U
127-18-4	Tetrachloroethene	E624	ug/kg	190					6	U
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200					6	U
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300					6	U
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300					6	U
179601-23-1	m,p-Xylene	E624	ug/kg	NL					6	U
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842					6	U
56-23-5	Carbon tetrachloride	E624	ug/kg	248					6	U
591-78-6	2-Hexanone	E624	ug/kg	20900					12	U
67-64-1	Acetone	E624	ug/kg	6130000					5.9	J
67-66-3	Chloroform	E624	ug/kg	295					6	U
71-43-2	Benzene	E624	ug/kg	137					6	U
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856					6	U
74-83-9	Bromomethane	E624	ug/kg	732					6	U
74-87-3	Chloromethane	E624	ug/kg	11900					6	U
74-97-5	Bromochloromethane	E624	ug/kg	NL					6	U
75-00-3	Chloroethane	E624	ug/kg	1450000					6	U
75-01-4	Vinyl Chloride	E624	ug/kg	59.7					6	U
75-09-2	Methylene chloride	E624	ug/kg	10700					6	U
75-15-0	Carbon Disulfide	E624	ug/kg	0.851					0.47	J
75-25-2	Bromoform	E624	ug/kg	1310					6	U
75-27-4	Bromodichloromethane	E624	ug/kg	273					6	U
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310					6	U
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780					6	U
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700					6	U
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400					6	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000					6	U
78-87-5	1,2-Dichloropropane	E624	ug/kg	895					6	U
78-93-3	2-Butanone	E624	ug/kg	2780000					5.5	J
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570					6	U
79-01-6	Trichloroethene	E624	ug/kg	1600					6	U
79-20-9	Methyl Acetate	E624	ug/kg	7820000					6	U

				sys_loc_code:	B28		B30		B31	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B28 0-6		B30 0-6		B31 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/08/2009		07/23/2009		07/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202					6	U
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858					6	U
95-47-6	o-Xylene	E624	ug/kg	NL					6	U
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989					6	U
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35					6	U
98-82-8	Isopropylbenzene	E624	ug/kg	86					6	U
100-01-6	4-Nitroaniline	E625	ug/kg	24300					440	U
100-02-7	4-Nitrophenol	E625	ug/kg	NL					440	U
100-52-7	Benzaldehyde	E625	ug/kg	782000					48	J
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230					230	U
105-60-2	Caprolactam	E625	ug/kg	3060000					230	U
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29					230	U
106-44-5	4-Methylphenol	E625	ug/kg	670					230	U
106-47-8	4-Chloroaniline	E625	ug/kg	2430					230	U
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570					230	U
108-95-2	Phenol	E625	ug/kg	420					44	J
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214					230	U
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300					230	U
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182					26	J
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL					230	U
118-74-1	Hexachlorobenzene	E625	ug/kg	20					230	U
120-12-7	Anthracene	E625	ug/kg	46.9					230	U
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117					230	U
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6					230	U
129-00-0	Pyrene	E625	ug/kg	153					45	J
131-11-3	Dimethylphthalate	E625	ug/kg	NL					230	U
132-64-9	Dibenzofuran	E625	ug/kg	7300					230	U
1912-24-9	Atrazine	E625	ug/kg	6.62					230	U
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170					11	J
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17					11	J
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148					18	J
206-44-0	Fluoranthene	E625	ug/kg	113					49	J
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240					8.5	J

				sys_loc_code:	B28		B30		B31	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B28 0-6		B30 0-6		B31 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/08/2009		07/23/2009		07/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
208-96-8	Acenaphthylene	E625	ug/kg	5.87					230	U
218-01-9	Chrysene	E625	ug/kg	108					17	J
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8					18	J
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200					440	U
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611					440	U
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22					230	U
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8					16	J
58-90-2	Chlorophenols	E625	ug/kg	284					230	U
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000					230	U
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120					230	U
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4					230	U
67-72-1	Hexachloroethane	E625	ug/kg	804					230	U
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL					230	U
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139					230	U
78-59-1	Isophorone	E625	ug/kg	511000					230	U
83-32-9	Acenaphthene	E625	ug/kg	6.71					230	U
84-66-2	Diethylphthalate	E625	ug/kg	218					230	U
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160					12	J
85-01-8	Phenanthrene	E625	ug/kg	86.7					49	J
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800					230	U
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100					230	U
86-73-7	Fluorene	E625	ug/kg	19					230	U
86-74-8	Carbazole	E625	ug/kg	NL					230	U
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110					230	U
87-86-5	Pentachlorophenol	E625	ug/kg	2970					440	U
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650					230	U
88-74-4	2-Nitroaniline	E625	ug/kg	60600					440	U
88-75-5	2-Nitrophenol	E625	ug/kg	NL					230	U
91-20-3	Naphthalene	E625	ug/kg	34.6					9	J
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2					230	U
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000					230	U
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080					230	U
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220					230	U

				sys_loc_code:	B28		B30		B31	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B28 0-6		B30 0-6		B31 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/08/2009		07/23/2009		07/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
95-48-7	2-Methylphenol	E625	ug/kg	306000					230	U
95-57-8	2-Chlorophenol	E625	ug/kg	344					230	U
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830					230	U
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819					230	U
98-86-2	Acetophenone	E625	ug/kg	782000					22	J
98-95-3	Nitrobenzene	E625	ug/kg	4790					230	U
99-09-2	3-Nitroaniline	E625	ug/kg	NL					440	U

				sys_loc_code:	B32		B33		B34	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B32 0-6		B33 0-6		B34 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/09/2009		07/27/2009		07/08/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
7429-90-5	Aluminum	C200.7	mg/kg	7740						
7440-36-0	Antimony	C200.7	mg/kg	2						
7440-38-2	Arsenic	C200.7	mg/kg	0.389						
7440-39-3	Barium	C200.7	mg/kg	130.1						
7440-41-7	Beryllium	C200.7	mg/kg	15.6						
7440-43-9	Cadmium	C200.7	mg/kg	0.68						
7440-70-2	Calcium	C200.7	mg/kg	NL						
7440-47-3	Chromium	C200.7	mg/kg	52.3						
7440-48-4	Cobalt	C200.7	mg/kg	2.34						
7440-50-8	Copper	C200.7	mg/kg	18.7						
7439-89-6	Iron	C200.7	mg/kg	2000						
7439-92-1	Lead	C200.7	mg/kg	30.2						
7439-95-4	Magnesium	C200.7	mg/kg	NL						
7439-96-5	Manganese	C200.7	mg/kg	183						
7440-02-0	Nickel	C200.7	mg/kg	15.9						
7440-09-7	Potassium	C200.7	mg/kg	NL						
7782-49-2	Selenium	C200.7	mg/kg	2						
7440-22-4	Silver	C200.7	mg/kg	0.73						
7440-23-5	Sodium	C200.7	mg/kg	NL						
7440-28-0	Thallium	C200.7	mg/kg	100000						
7440-31-5	Tin	C200.7	mg/kg	NL						
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548						
7440-66-6	Zinc	C200.7	mg/kg	124						
7429-90-5	Aluminum	E200.7	mg/kg	7740	437	J			1320	
7440-36-0	Antimony	E200.7	mg/kg	2						
7440-38-2	Arsenic	E200.7	mg/kg	0.389	1.3					
7440-70-2	Calcium	E200.7	mg/kg	NL	2390				265	J
7440-47-3	Chromium	E200.7	mg/kg	52.3						
7440-50-8	Copper	E200.7	mg/kg	18.7	3.3					
7439-89-6	Iron	E200.7	mg/kg	2000	2710	J			4070	J
7439-92-1	Lead	E200.7	mg/kg	30.2	10.9	J				
7439-95-4	Magnesium	E200.7	mg/kg	NL	382	J			472	J
7439-96-5	Manganese	E200.7	mg/kg	183	17.9					

				sys_loc_code:	B32		B33		B34		
				loc_name:	Area-06		Area-06		Area-06		
				sys_sample_code:	B32 0-6		B33 0-6		B34 0-6		
				depth:	0-6 in		0-6 in		0-6 in		
				sample_date:	07/09/2009		07/27/2009		07/08/2009		
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED							
7440-02-0	Nickel	E200.7	mg/kg	15.9							
7440-09-7	Potassium	E200.7	mg/kg	NL	186	J			312	J	
7440-22-4	Silver	E200.7	mg/kg	0.73							
7440-23-5	Sodium	E200.7	mg/kg	NL	1830	J			1670		
7440-31-5	Tin	E200.7	mg/kg	NL							
7440-66-6	Zinc	E200.7	mg/kg	124	14.1						
7440-36-0	Antimony	E200.8	mg/kg	2			1.3	U	1.3	U	
7440-38-2	Arsenic	E200.8	mg/kg	0.389			2.4		2.6	J	
7440-39-3	Barium	E200.8	mg/kg	130.1			3.8	J	2	J	
7440-41-7	Beryllium	E200.8	mg/kg	15.6			0.2	J	0.49	J	
7440-43-9	Cadmium	E200.8	mg/kg	0.68			0.08	J	0.075	J	
7440-47-3	Chromium	E200.8	mg/kg	52.3			6.6	J	4	J	
7440-48-4	Cobalt	E200.8	mg/kg	2.34			1	J	1.1		
7440-50-8	Copper	E200.8	mg/kg	18.7			4.9	J	3.6	J	
7439-92-1	Lead	E200.8	mg/kg	30.2			20.5	J	12.8		
7439-96-5	Manganese	E200.8	mg/kg	183			27.7	J	21.8	J	
7440-02-0	Nickel	E200.8	mg/kg	15.9			2		2.3		
7782-49-2	Selenium	E200.8	mg/kg	2			0.63	U	0.63	U	
7440-22-4	Silver	E200.8	mg/kg	0.73			0.055	J	0.32	U	
7440-28-0	Thallium	E200.8	mg/kg	100000			0.63	U	0.63	U	
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548			11.7	J	9.2	J	
7440-66-6	Zinc	E200.8	mg/kg	124			22.1		13.7	J	
7439-97-6	Mercury	E245.5	mg/kg	0.13			0.037	U	0.038	UJ	
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6					2.2	UJ	
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357					4.3	U	
309-00-2	Aldrin	CPEST	ug/kg	2					2.2	U	
319-84-6	Alpha-Bhc	CPEST	ug/kg	3					2.2	U	
319-85-7	Beta-Bhc	CPEST	ug/kg	3					2.2	U	
319-86-8	Delta-Bhc	CPEST	ug/kg	3					2.2	U	
33213-65-9	Endosulfan II	CPEST	ug/kg	14					4.3	U	
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19					4.3	UJ	
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7					2.2	U	
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7					2.2	U	

				sys_loc_code:	B32		B33		B34	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B32 0-6		B33 0-6		B34 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/09/2009		07/27/2009		07/08/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL					4.3	U
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32					2.2	U
60-57-1	Dieldrin	CPEST	ug/kg	0.72					4.3	U
72-20-8	Endrin	CPEST	ug/kg	2.67					0.13	J
72-43-5	Methoxychlor	CPEST	ug/kg	29.6					22	U
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22					4.3	U
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07					4.3	U
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL					4.3	U
76-44-8	Heptachlor	CPEST	ug/kg	68					2.2	U
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1					220	U
959-98-8	Endosulfan I	CPEST	ug/kg	2.9					2.2	U
11096-82-5	Aroclor 1260	E608	ug/kg	21.6					43	U
11097-69-1	Aroclor 1254	E608	ug/kg	23					43	U
11100-14-4	Aroclor 1268	E608	ug/kg	21.6					43	U
11104-28-2	Aroclor 1221	E608	ug/kg	21.6					43	U
11141-16-5	Aroclor 1232	E608	ug/kg	21.6					43	U
12672-29-6	Aroclor 1248	E608	ug/kg	21.6					43	U
12674-11-2	Aroclor 1016	E608	ug/kg	21.6					43	U
37324-23-5	Aroclor 1262	E608	ug/kg	21.6					43	U
53469-21-9	Aroclor 1242	E608	ug/kg	21.6					43	U
100-41-4	Ethylbenzene	E624	ug/kg	305					6.2	U
100-42-5	Styrene	E624	ug/kg	7070					6.2	U
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL					6.2	U
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL					6.2	U
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460					6.2	U
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7					6.2	U
107-06-2	1,2-Dichloroethane	E624	ug/kg	432					6.2	U
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000					12	U
108-87-2	Methylcyclohexane	E624	ug/kg	NL					6.2	U
108-88-3	Toluene	E624	ug/kg	1090					6.2	U
108-90-7	Chlorobenzene	E624	ug/kg	162					6.2	U
110-82-7	Cyclohexane	E624	ug/kg	117000					6.2	U
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473					6.2	U

				sys_loc_code:	B32		B33		B34	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B32 0-6		B33 0-6		B34 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/09/2009		07/27/2009		07/08/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
123-91-1	1,4-Dioxane	E624	ug/kg	44100					120	R
124-48-1	Dibromochloromethane	E624	ug/kg	680					6.2	U
127-18-4	Tetrachloroethene	E624	ug/kg	190					6.2	U
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200					6.2	U
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300					6.2	U
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300					6.2	U
179601-23-1	m,p-Xylene	E624	ug/kg	NL					6.2	U
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842					6.2	U
56-23-5	Carbon tetrachloride	E624	ug/kg	248					6.2	U
591-78-6	2-Hexanone	E624	ug/kg	20900					12	U
67-64-1	Acetone	E624	ug/kg	6130000					12	U
67-66-3	Chloroform	E624	ug/kg	295					6.2	U
71-43-2	Benzene	E624	ug/kg	137					6.2	U
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856					6.2	U
74-83-9	Bromomethane	E624	ug/kg	732					6.2	U
74-87-3	Chloromethane	E624	ug/kg	11900					6.2	U
74-97-5	Bromochloromethane	E624	ug/kg	NL					6.2	U
75-00-3	Chloroethane	E624	ug/kg	1450000					6.2	U
75-01-4	Vinyl Chloride	E624	ug/kg	59.7					6.2	U
75-09-2	Methylene chloride	E624	ug/kg	10700					6.2	U
75-15-0	Carbon Disulfide	E624	ug/kg	0.851					0.58	J
75-25-2	Bromoform	E624	ug/kg	1310					6.2	U
75-27-4	Bromodichloromethane	E624	ug/kg	273					6.2	U
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310					6.2	U
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780					6.2	U
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700					6.2	U
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400					6.2	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000					6.2	U
78-87-5	1,2-Dichloropropane	E624	ug/kg	895					6.2	U
78-93-3	2-Butanone	E624	ug/kg	2780000					12	U
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570					6.2	U
79-01-6	Trichloroethene	E624	ug/kg	1600					6.2	U
79-20-9	Methyl Acetate	E624	ug/kg	7820000					6.2	U

				sys_loc_code:	B32		B33		B34	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B32 0-6		B33 0-6		B34 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/09/2009		07/27/2009		07/08/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202					6.2	U
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858					6.2	U
95-47-6	o-Xylene	E624	ug/kg	NL					6.2	U
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989					6.2	U
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35					6.2	U
98-82-8	Isopropylbenzene	E624	ug/kg	86					6.2	U
100-01-6	4-Nitroaniline	E625	ug/kg	24300					430	U
100-02-7	4-Nitrophenol	E625	ug/kg	NL					430	U
100-52-7	Benzaldehyde	E625	ug/kg	782000					44	J
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230					220	U
105-60-2	Caprolactam	E625	ug/kg	3060000					220	U
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29					220	U
106-44-5	4-Methylphenol	E625	ug/kg	670					220	U
106-47-8	4-Chloroaniline	E625	ug/kg	2430					220	U
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570					220	U
108-95-2	Phenol	E625	ug/kg	420					20	J
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214					220	U
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300					220	U
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182					17	J
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL					220	U
118-74-1	Hexachlorobenzene	E625	ug/kg	20					220	U
120-12-7	Anthracene	E625	ug/kg	46.9					220	U
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117					220	U
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6					220	U
129-00-0	Pyrene	E625	ug/kg	153					220	U
131-11-3	Dimethylphthalate	E625	ug/kg	NL					220	U
132-64-9	Dibenzofuran	E625	ug/kg	7300					220	U
1912-24-9	Atrazine	E625	ug/kg	6.62					220	U
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170					220	U
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17					220	U
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148					220	U
206-44-0	Fluoranthene	E625	ug/kg	113					220	U
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240					220	U

				sys_loc_code:	B32		B33		B34	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B32 0-6		B33 0-6		B34 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/09/2009		07/27/2009		07/08/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
208-96-8	Acenaphthylene	E625	ug/kg	5.87					220	U
218-01-9	Chrysene	E625	ug/kg	108					7	J
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8					220	U
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200					430	U
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611					430	U
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22					220	U
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8					7.3	J
58-90-2	Chlorophenols	E625	ug/kg	284					220	U
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000					220	U
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120					220	U
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4					220	U
67-72-1	Hexachloroethane	E625	ug/kg	804					220	U
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL					220	U
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139					220	U
78-59-1	Isophorone	E625	ug/kg	511000					220	U
83-32-9	Acenaphthene	E625	ug/kg	6.71					220	U
84-66-2	Diethylphthalate	E625	ug/kg	218					9.2	J
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160					8.3	J
85-01-8	Phenanthrene	E625	ug/kg	86.7					220	U
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800					220	U
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100					220	U
86-73-7	Fluorene	E625	ug/kg	19					220	U
86-74-8	Carbazole	E625	ug/kg	NL					220	U
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110					220	U
87-86-5	Pentachlorophenol	E625	ug/kg	2970					430	U
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650					220	U
88-74-4	2-Nitroaniline	E625	ug/kg	60600					430	U
88-75-5	2-Nitrophenol	E625	ug/kg	NL					220	U
91-20-3	Naphthalene	E625	ug/kg	34.6					220	U
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2					220	U
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000					220	U
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080					220	U
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220					220	U

				sys_loc_code:	B32		B33		B34	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B32 0-6		B33 0-6		B34 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/09/2009		07/27/2009		07/08/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
95-48-7	2-Methylphenol	E625	ug/kg	306000					220	U
95-57-8	2-Chlorophenol	E625	ug/kg	344					220	U
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830					220	U
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819					220	U
98-86-2	Acetophenone	E625	ug/kg	782000					30	J
98-95-3	Nitrobenzene	E625	ug/kg	4790					220	U
99-09-2	3-Nitroaniline	E625	ug/kg	NL					430	U

				sys_loc_code:	B35		B36		B37	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B35 0-6		B36 0-6		B37 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/08/2009		07/08/2009		07/08/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
7429-90-5	Aluminum	C200.7	mg/kg	7740						
7440-36-0	Antimony	C200.7	mg/kg	2						
7440-38-2	Arsenic	C200.7	mg/kg	0.389						
7440-39-3	Barium	C200.7	mg/kg	130.1						
7440-41-7	Beryllium	C200.7	mg/kg	15.6						
7440-43-9	Cadmium	C200.7	mg/kg	0.68						
7440-70-2	Calcium	C200.7	mg/kg	NL						
7440-47-3	Chromium	C200.7	mg/kg	52.3						
7440-48-4	Cobalt	C200.7	mg/kg	2.34						
7440-50-8	Copper	C200.7	mg/kg	18.7						
7439-89-6	Iron	C200.7	mg/kg	2000						
7439-92-1	Lead	C200.7	mg/kg	30.2						
7439-95-4	Magnesium	C200.7	mg/kg	NL						
7439-96-5	Manganese	C200.7	mg/kg	183						
7440-02-0	Nickel	C200.7	mg/kg	15.9						
7440-09-7	Potassium	C200.7	mg/kg	NL						
7782-49-2	Selenium	C200.7	mg/kg	2						
7440-22-4	Silver	C200.7	mg/kg	0.73						
7440-23-5	Sodium	C200.7	mg/kg	NL						
7440-28-0	Thallium	C200.7	mg/kg	100000						
7440-31-5	Tin	C200.7	mg/kg	NL						
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548						
7440-66-6	Zinc	C200.7	mg/kg	124						
7429-90-5	Aluminum	E200.7	mg/kg	7740	1640		426		496	
7440-36-0	Antimony	E200.7	mg/kg	2						
7440-38-2	Arsenic	E200.7	mg/kg	0.389						
7440-70-2	Calcium	E200.7	mg/kg	NL	298	J	92.2	J	303	J
7440-47-3	Chromium	E200.7	mg/kg	52.3						
7440-50-8	Copper	E200.7	mg/kg	18.7						
7439-89-6	Iron	E200.7	mg/kg	2000	8400	J	4290	J	4730	J
7439-92-1	Lead	E200.7	mg/kg	30.2						
7439-95-4	Magnesium	E200.7	mg/kg	NL	445	J	218	J	266	J
7439-96-5	Manganese	E200.7	mg/kg	183						

				sys_loc_code:	B35		B36		B37	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B35 0-6		B36 0-6		B37 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/08/2009		07/08/2009		07/08/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
7440-02-0	Nickel	E200.7	mg/kg	15.9						
7440-09-7	Potassium	E200.7	mg/kg	NL	241	J	116	J	170	J
7440-22-4	Silver	E200.7	mg/kg	0.73						
7440-23-5	Sodium	E200.7	mg/kg	NL	1930	J	1450	J	469	J
7440-31-5	Tin	E200.7	mg/kg	NL						
7440-66-6	Zinc	E200.7	mg/kg	124						
7440-36-0	Antimony	E200.8	mg/kg	2	1.7		1.3	U	1	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389	3.1		0.51		0.67	
7440-39-3	Barium	E200.8	mg/kg	130.1	3.1	J	1.9	J	1	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.22	J	0.17	J	0.081	J
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.22	J	0.021	J	0.26	U
7440-47-3	Chromium	E200.8	mg/kg	52.3	5.2		1.5		2.1	
7440-48-4	Cobalt	E200.8	mg/kg	2.34	3	J	0.65	UJ	0.51	UJ
7440-50-8	Copper	E200.8	mg/kg	18.7	8.7		1.8		1.1	
7439-92-1	Lead	E200.8	mg/kg	30.2	65.8	J	2.1	J	1.9	J
7439-96-5	Manganese	E200.8	mg/kg	183	12.4		2.9		27.3	
7440-02-0	Nickel	E200.8	mg/kg	15.9	4.6		0.77		0.97	
7782-49-2	Selenium	E200.8	mg/kg	2	0.12	J	0.11	J	0.074	J
7440-22-4	Silver	E200.8	mg/kg	0.73	0.32	UJ	0.33	UJ	0.26	UJ
7440-28-0	Thallium	E200.8	mg/kg	100000	0.64	U	0.65	U	0.51	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	12.9		4.8		3.9	
7440-66-6	Zinc	E200.8	mg/kg	124	37.6		9.9		6.9	
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.038	U	0.037	U	0.031	U
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6						
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357						
309-00-2	Aldrin	CPEST	ug/kg	2						
319-84-6	Alpha-Bhc	CPEST	ug/kg	3						
319-85-7	Beta-Bhc	CPEST	ug/kg	3						
319-86-8	Delta-Bhc	CPEST	ug/kg	3						
33213-65-9	Endosulfan II	CPEST	ug/kg	14						
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19						
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7						
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7						

				sys_loc_code:	B35		B36		B37	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B35 0-6		B36 0-6		B37 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/08/2009		07/08/2009		07/08/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL						
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32						
60-57-1	Dieldrin	CPEST	ug/kg	0.72						
72-20-8	Endrin	CPEST	ug/kg	2.67						
72-43-5	Methoxychlor	CPEST	ug/kg	29.6						
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22						
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07						
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL						
76-44-8	Heptachlor	CPEST	ug/kg	68						
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1						
959-98-8	Endosulfan I	CPEST	ug/kg	2.9						
11096-82-5	Aroclor 1260	E608	ug/kg	21.6						
11097-69-1	Aroclor 1254	E608	ug/kg	23						
11100-14-4	Aroclor 1268	E608	ug/kg	21.6						
11104-28-2	Aroclor 1221	E608	ug/kg	21.6						
11141-16-5	Aroclor 1232	E608	ug/kg	21.6						
12672-29-6	Aroclor 1248	E608	ug/kg	21.6						
12674-11-2	Aroclor 1016	E608	ug/kg	21.6						
37324-23-5	Aroclor 1262	E608	ug/kg	21.6						
53469-21-9	Aroclor 1242	E608	ug/kg	21.6						
100-41-4	Ethylbenzene	E624	ug/kg	305						
100-42-5	Styrene	E624	ug/kg	7070						
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL						
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL						
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460						
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7						
107-06-2	1,2-Dichloroethane	E624	ug/kg	432						
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000						
108-87-2	Methylcyclohexane	E624	ug/kg	NL						
108-88-3	Toluene	E624	ug/kg	1090						
108-90-7	Chlorobenzene	E624	ug/kg	162						
110-82-7	Cyclohexane	E624	ug/kg	117000						
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473						

				sys_loc_code:	B35		B36		B37	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B35 0-6		B36 0-6		B37 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/08/2009		07/08/2009		07/08/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
123-91-1	1,4-Dioxane	E624	ug/kg	44100						
124-48-1	Dibromochloromethane	E624	ug/kg	680						
127-18-4	Tetrachloroethene	E624	ug/kg	190						
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200						
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300						
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300						
179601-23-1	m,p-Xylene	E624	ug/kg	NL						
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842						
56-23-5	Carbon tetrachloride	E624	ug/kg	248						
591-78-6	2-Hexanone	E624	ug/kg	20900						
67-64-1	Acetone	E624	ug/kg	6130000						
67-66-3	Chloroform	E624	ug/kg	295						
71-43-2	Benzene	E624	ug/kg	137						
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856						
74-83-9	Bromomethane	E624	ug/kg	732						
74-87-3	Chloromethane	E624	ug/kg	11900						
74-97-5	Bromochloromethane	E624	ug/kg	NL						
75-00-3	Chloroethane	E624	ug/kg	1450000						
75-01-4	Vinyl Chloride	E624	ug/kg	59.7						
75-09-2	Methylene chloride	E624	ug/kg	10700						
75-15-0	Carbon Disulfide	E624	ug/kg	0.851						
75-25-2	Bromoform	E624	ug/kg	1310						
75-27-4	Bromodichloromethane	E624	ug/kg	273						
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310						
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780						
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700						
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400						
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000						
78-87-5	1,2-Dichloropropane	E624	ug/kg	895						
78-93-3	2-Butanone	E624	ug/kg	2780000						
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570						
79-01-6	Trichloroethene	E624	ug/kg	1600						
79-20-9	Methyl Acetate	E624	ug/kg	7820000						

				sys_loc_code:	B35		B36		B37	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B35 0-6		B36 0-6		B37 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/08/2009		07/08/2009		07/08/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202						
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858						
95-47-6	o-Xylene	E624	ug/kg	NL						
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989						
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35						
98-82-8	Isopropylbenzene	E624	ug/kg	86						
100-01-6	4-Nitroaniline	E625	ug/kg	24300						
100-02-7	4-Nitrophenol	E625	ug/kg	NL						
100-52-7	Benzaldehyde	E625	ug/kg	782000						
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230						
105-60-2	Caprolactam	E625	ug/kg	3060000						
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29						
106-44-5	4-Methylphenol	E625	ug/kg	670						
106-47-8	4-Chloroaniline	E625	ug/kg	2430						
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570						
108-95-2	Phenol	E625	ug/kg	420						
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214						
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300						
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182						
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL						
118-74-1	Hexachlorobenzene	E625	ug/kg	20						
120-12-7	Anthracene	E625	ug/kg	46.9						
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117						
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6						
129-00-0	Pyrene	E625	ug/kg	153						
131-11-3	Dimethylphthalate	E625	ug/kg	NL						
132-64-9	Dibenzofuran	E625	ug/kg	7300						
1912-24-9	Atrazine	E625	ug/kg	6.62						
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170						
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17						
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148						
206-44-0	Fluoranthene	E625	ug/kg	113						
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240						

				sys_loc_code:	B35		B36		B37	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B35 0-6		B36 0-6		B37 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/08/2009		07/08/2009		07/08/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
208-96-8	Acenaphthylene	E625	ug/kg	5.87						
218-01-9	Chrysene	E625	ug/kg	108						
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8						
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200						
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611						
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22						
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8						
58-90-2	Chlorophenols	E625	ug/kg	284						
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000						
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120						
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4						
67-72-1	Hexachloroethane	E625	ug/kg	804						
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL						
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139						
78-59-1	Isophorone	E625	ug/kg	511000						
83-32-9	Acenaphthene	E625	ug/kg	6.71						
84-66-2	Diethylphthalate	E625	ug/kg	218						
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160						
85-01-8	Phenanthrene	E625	ug/kg	86.7						
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800						
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100						
86-73-7	Fluorene	E625	ug/kg	19						
86-74-8	Carbazole	E625	ug/kg	NL						
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110						
87-86-5	Pentachlorophenol	E625	ug/kg	2970						
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650						
88-74-4	2-Nitroaniline	E625	ug/kg	60600						
88-75-5	2-Nitrophenol	E625	ug/kg	NL						
91-20-3	Naphthalene	E625	ug/kg	34.6						
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2						
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000						
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080						
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220						

				sys_loc_code:	B35		B36		B37	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B35 0-6		B36 0-6		B37 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/08/2009		07/08/2009		07/08/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
95-48-7	2-Methylphenol	E625	ug/kg	306000						
95-57-8	2-Chlorophenol	E625	ug/kg	344						
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830						
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819						
98-86-2	Acetophenone	E625	ug/kg	782000						
98-95-3	Nitrobenzene	E625	ug/kg	4790						
99-09-2	3-Nitroaniline	E625	ug/kg	NL						

				sys_loc_code:	B38		B39		B40	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B38 0-6		B39 0-6		B40 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/27/2009		07/27/2009		07/27/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
7429-90-5	Aluminum	C200.7	mg/kg	7740						
7440-36-0	Antimony	C200.7	mg/kg	2						
7440-38-2	Arsenic	C200.7	mg/kg	0.389						
7440-39-3	Barium	C200.7	mg/kg	130.1						
7440-41-7	Beryllium	C200.7	mg/kg	15.6						
7440-43-9	Cadmium	C200.7	mg/kg	0.68						
7440-70-2	Calcium	C200.7	mg/kg	NL						
7440-47-3	Chromium	C200.7	mg/kg	52.3						
7440-48-4	Cobalt	C200.7	mg/kg	2.34						
7440-50-8	Copper	C200.7	mg/kg	18.7						
7439-89-6	Iron	C200.7	mg/kg	2000						
7439-92-1	Lead	C200.7	mg/kg	30.2						
7439-95-4	Magnesium	C200.7	mg/kg	NL						
7439-96-5	Manganese	C200.7	mg/kg	183						
7440-02-0	Nickel	C200.7	mg/kg	15.9						
7440-09-7	Potassium	C200.7	mg/kg	NL						
7782-49-2	Selenium	C200.7	mg/kg	2						
7440-22-4	Silver	C200.7	mg/kg	0.73						
7440-23-5	Sodium	C200.7	mg/kg	NL						
7440-28-0	Thallium	C200.7	mg/kg	100000						
7440-31-5	Tin	C200.7	mg/kg	NL						
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548						
7440-66-6	Zinc	C200.7	mg/kg	124						
7429-90-5	Aluminum	E200.7	mg/kg	7740						
7440-36-0	Antimony	E200.7	mg/kg	2						
7440-38-2	Arsenic	E200.7	mg/kg	0.389						
7440-70-2	Calcium	E200.7	mg/kg	NL						
7440-47-3	Chromium	E200.7	mg/kg	52.3						
7440-50-8	Copper	E200.7	mg/kg	18.7						
7439-89-6	Iron	E200.7	mg/kg	2000						
7439-92-1	Lead	E200.7	mg/kg	30.2						
7439-95-4	Magnesium	E200.7	mg/kg	NL						
7439-96-5	Manganese	E200.7	mg/kg	183						

				sys_loc_code:	B38		B39		B40	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B38 0-6		B39 0-6		B40 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/27/2009		07/27/2009		07/27/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
7440-02-0	Nickel	E200.7	mg/kg	15.9						
7440-09-7	Potassium	E200.7	mg/kg	NL						
7440-22-4	Silver	E200.7	mg/kg	0.73						
7440-23-5	Sodium	E200.7	mg/kg	NL						
7440-31-5	Tin	E200.7	mg/kg	NL						
7440-66-6	Zinc	E200.7	mg/kg	124						
7440-36-0	Antimony	E200.8	mg/kg	2	1.2	U	1.3	U	1.2	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389	0.98		1.9		4	
7440-39-3	Barium	E200.8	mg/kg	130.1	2.3	J	3.3	J	8.8	
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.077	J	0.11	J	0.34	
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.082	J	0.048	J	0.11	J
7440-47-3	Chromium	E200.8	mg/kg	52.3	3.4	J	3.2	J	10.9	J
7440-48-4	Cobalt	E200.8	mg/kg	2.34	0.58	J	0.52	J	1.5	J
7440-50-8	Copper	E200.8	mg/kg	18.7	4.3	J	3.7	J	7.2	J
7439-92-1	Lead	E200.8	mg/kg	30.2	12.6	J	7.4	J	18.4	J
7439-96-5	Manganese	E200.8	mg/kg	183	18.3	J	11.8	J	33.9	J
7440-02-0	Nickel	E200.8	mg/kg	15.9	1.4		1.3		3.2	
7782-49-2	Selenium	E200.8	mg/kg	2	0.62	U	0.11	J	0.15	J
7440-22-4	Silver	E200.8	mg/kg	0.73	0.067	J	0.035	J	0.076	J
7440-28-0	Thallium	E200.8	mg/kg	100000	0.62	U	0.63	U	0.6	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	7.7	J	5.9	J	18.5	J
7440-66-6	Zinc	E200.8	mg/kg	124	19.5		14.5		23.9	
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.038	U	0.039	U	0.04	U
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6						
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357						
309-00-2	Aldrin	CPEST	ug/kg	2						
319-84-6	Alpha-Bhc	CPEST	ug/kg	3						
319-85-7	Beta-Bhc	CPEST	ug/kg	3						
319-86-8	Delta-Bhc	CPEST	ug/kg	3						
33213-65-9	Endosulfan II	CPEST	ug/kg	14						
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19						
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7						
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7						

				sys_loc_code:	B38		B39		B40	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B38 0-6		B39 0-6		B40 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/27/2009		07/27/2009		07/27/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL						
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32						
60-57-1	Dieldrin	CPEST	ug/kg	0.72						
72-20-8	Endrin	CPEST	ug/kg	2.67						
72-43-5	Methoxychlor	CPEST	ug/kg	29.6						
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22						
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07						
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL						
76-44-8	Heptachlor	CPEST	ug/kg	68						
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1						
959-98-8	Endosulfan I	CPEST	ug/kg	2.9						
11096-82-5	Aroclor 1260	E608	ug/kg	21.6						
11097-69-1	Aroclor 1254	E608	ug/kg	23						
11100-14-4	Aroclor 1268	E608	ug/kg	21.6						
11104-28-2	Aroclor 1221	E608	ug/kg	21.6						
11141-16-5	Aroclor 1232	E608	ug/kg	21.6						
12672-29-6	Aroclor 1248	E608	ug/kg	21.6						
12674-11-2	Aroclor 1016	E608	ug/kg	21.6						
37324-23-5	Aroclor 1262	E608	ug/kg	21.6						
53469-21-9	Aroclor 1242	E608	ug/kg	21.6						
100-41-4	Ethylbenzene	E624	ug/kg	305						
100-42-5	Styrene	E624	ug/kg	7070						
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL						
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL						
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460						
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7						
107-06-2	1,2-Dichloroethane	E624	ug/kg	432						
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000						
108-87-2	Methylcyclohexane	E624	ug/kg	NL						
108-88-3	Toluene	E624	ug/kg	1090						
108-90-7	Chlorobenzene	E624	ug/kg	162						
110-82-7	Cyclohexane	E624	ug/kg	117000						
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473						

				sys_loc_code:	B38		B39		B40	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B38 0-6		B39 0-6		B40 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/27/2009		07/27/2009		07/27/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
123-91-1	1,4-Dioxane	E624	ug/kg	44100						
124-48-1	Dibromochloromethane	E624	ug/kg	680						
127-18-4	Tetrachloroethene	E624	ug/kg	190						
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200						
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300						
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300						
179601-23-1	m,p-Xylene	E624	ug/kg	NL						
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842						
56-23-5	Carbon tetrachloride	E624	ug/kg	248						
591-78-6	2-Hexanone	E624	ug/kg	20900						
67-64-1	Acetone	E624	ug/kg	6130000						
67-66-3	Chloroform	E624	ug/kg	295						
71-43-2	Benzene	E624	ug/kg	137						
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856						
74-83-9	Bromomethane	E624	ug/kg	732						
74-87-3	Chloromethane	E624	ug/kg	11900						
74-97-5	Bromochloromethane	E624	ug/kg	NL						
75-00-3	Chloroethane	E624	ug/kg	1450000						
75-01-4	Vinyl Chloride	E624	ug/kg	59.7						
75-09-2	Methylene chloride	E624	ug/kg	10700						
75-15-0	Carbon Disulfide	E624	ug/kg	0.851						
75-25-2	Bromoform	E624	ug/kg	1310						
75-27-4	Bromodichloromethane	E624	ug/kg	273						
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310						
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780						
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700						
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400						
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000						
78-87-5	1,2-Dichloropropane	E624	ug/kg	895						
78-93-3	2-Butanone	E624	ug/kg	2780000						
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570						
79-01-6	Trichloroethene	E624	ug/kg	1600						
79-20-9	Methyl Acetate	E624	ug/kg	7820000						

				sys_loc_code:	B38		B39		B40	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B38 0-6		B39 0-6		B40 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/27/2009		07/27/2009		07/27/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202						
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858						
95-47-6	o-Xylene	E624	ug/kg	NL						
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989						
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35						
98-82-8	Isopropylbenzene	E624	ug/kg	86						
100-01-6	4-Nitroaniline	E625	ug/kg	24300						
100-02-7	4-Nitrophenol	E625	ug/kg	NL						
100-52-7	Benzaldehyde	E625	ug/kg	782000						
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230						
105-60-2	Caprolactam	E625	ug/kg	3060000						
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29						
106-44-5	4-Methylphenol	E625	ug/kg	670						
106-47-8	4-Chloroaniline	E625	ug/kg	2430						
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570						
108-95-2	Phenol	E625	ug/kg	420						
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214						
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300						
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182						
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL						
118-74-1	Hexachlorobenzene	E625	ug/kg	20						
120-12-7	Anthracene	E625	ug/kg	46.9						
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117						
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6						
129-00-0	Pyrene	E625	ug/kg	153						
131-11-3	Dimethylphthalate	E625	ug/kg	NL						
132-64-9	Dibenzofuran	E625	ug/kg	7300						
1912-24-9	Atrazine	E625	ug/kg	6.62						
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170						
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17						
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148						
206-44-0	Fluoranthene	E625	ug/kg	113						
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240						

				sys_loc_code:	B38		B39		B40	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B38 0-6		B39 0-6		B40 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/27/2009		07/27/2009		07/27/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
208-96-8	Acenaphthylene	E625	ug/kg	5.87						
218-01-9	Chrysene	E625	ug/kg	108						
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8						
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200						
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611						
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22						
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8						
58-90-2	Chlorophenols	E625	ug/kg	284						
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000						
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120						
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4						
67-72-1	Hexachloroethane	E625	ug/kg	804						
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL						
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139						
78-59-1	Isophorone	E625	ug/kg	511000						
83-32-9	Acenaphthene	E625	ug/kg	6.71						
84-66-2	Diethylphthalate	E625	ug/kg	218						
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160						
85-01-8	Phenanthrene	E625	ug/kg	86.7						
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800						
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100						
86-73-7	Fluorene	E625	ug/kg	19						
86-74-8	Carbazole	E625	ug/kg	NL						
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110						
87-86-5	Pentachlorophenol	E625	ug/kg	2970						
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650						
88-74-4	2-Nitroaniline	E625	ug/kg	60600						
88-75-5	2-Nitrophenol	E625	ug/kg	NL						
91-20-3	Naphthalene	E625	ug/kg	34.6						
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2						
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000						
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080						
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220						

				sys_loc_code:	B38		B39		B40	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B38 0-6		B39 0-6		B40 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/27/2009		07/27/2009		07/27/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
95-48-7	2-Methylphenol	E625	ug/kg	306000						
95-57-8	2-Chlorophenol	E625	ug/kg	344						
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830						
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819						
98-86-2	Acetophenone	E625	ug/kg	782000						
98-95-3	Nitrobenzene	E625	ug/kg	4790						
99-09-2	3-Nitroaniline	E625	ug/kg	NL						

				sys_loc_code:	B41		B42		B43	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B41 0-6		B42 0-6		B43 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/08/2009		07/27/2009		07/27/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
7429-90-5	Aluminum	C200.7	mg/kg	7740						
7440-36-0	Antimony	C200.7	mg/kg	2						
7440-38-2	Arsenic	C200.7	mg/kg	0.389						
7440-39-3	Barium	C200.7	mg/kg	130.1						
7440-41-7	Beryllium	C200.7	mg/kg	15.6						
7440-43-9	Cadmium	C200.7	mg/kg	0.68						
7440-70-2	Calcium	C200.7	mg/kg	NL						
7440-47-3	Chromium	C200.7	mg/kg	52.3						
7440-48-4	Cobalt	C200.7	mg/kg	2.34						
7440-50-8	Copper	C200.7	mg/kg	18.7						
7439-89-6	Iron	C200.7	mg/kg	2000						
7439-92-1	Lead	C200.7	mg/kg	30.2						
7439-95-4	Magnesium	C200.7	mg/kg	NL						
7439-96-5	Manganese	C200.7	mg/kg	183						
7440-02-0	Nickel	C200.7	mg/kg	15.9						
7440-09-7	Potassium	C200.7	mg/kg	NL						
7782-49-2	Selenium	C200.7	mg/kg	2						
7440-22-4	Silver	C200.7	mg/kg	0.73						
7440-23-5	Sodium	C200.7	mg/kg	NL						
7440-28-0	Thallium	C200.7	mg/kg	100000						
7440-31-5	Tin	C200.7	mg/kg	NL						
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548						
7440-66-6	Zinc	C200.7	mg/kg	124						
7429-90-5	Aluminum	E200.7	mg/kg	7740	867					
7440-36-0	Antimony	E200.7	mg/kg	2						
7440-38-2	Arsenic	E200.7	mg/kg	0.389						
7440-70-2	Calcium	E200.7	mg/kg	NL	816					
7440-47-3	Chromium	E200.7	mg/kg	52.3						
7440-50-8	Copper	E200.7	mg/kg	18.7						
7439-89-6	Iron	E200.7	mg/kg	2000	8110	J				
7439-92-1	Lead	E200.7	mg/kg	30.2						
7439-95-4	Magnesium	E200.7	mg/kg	NL	529					
7439-96-5	Manganese	E200.7	mg/kg	183						

				sys_loc_code:	B41		B42		B43	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B41 0-6		B42 0-6		B43 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/08/2009		07/27/2009		07/27/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
7440-02-0	Nickel	E200.7	mg/kg	15.9						
7440-09-7	Potassium	E200.7	mg/kg	NL	290	J				
7440-22-4	Silver	E200.7	mg/kg	0.73						
7440-23-5	Sodium	E200.7	mg/kg	NL	736	J				
7440-31-5	Tin	E200.7	mg/kg	NL						
7440-66-6	Zinc	E200.7	mg/kg	124						
7440-36-0	Antimony	E200.8	mg/kg	2	0.96	U	1.3	U	1.2	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389	1		3.5	J	6.9	J
7440-39-3	Barium	E200.8	mg/kg	130.1	0.91	J	5.3	J	10.7	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.086	J	0.32	U	0.42	
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.012	J	0.086	J	0.091	J
7440-47-3	Chromium	E200.8	mg/kg	52.3	1.9		8		12.4	
7440-48-4	Cobalt	E200.8	mg/kg	2.34	0.73	J	1.2		2.1	
7440-50-8	Copper	E200.8	mg/kg	18.7	1.2		6.4	J	9.1	J
7439-92-1	Lead	E200.8	mg/kg	30.2	1.6	J	21.5	J	13.9	J
7439-96-5	Manganese	E200.8	mg/kg	183	28.6		30		55.7	
7440-02-0	Nickel	E200.8	mg/kg	15.9	1.5		2.7	J	5.6	J
7782-49-2	Selenium	E200.8	mg/kg	2	0.14	J	0.2	J	0.29	J
7440-22-4	Silver	E200.8	mg/kg	0.73	0.24	UJ	0.32	UJ	0.3	UJ
7440-28-0	Thallium	E200.8	mg/kg	100000	0.48	U	0.65	U	0.59	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	3.8		15.4		19.6	
7440-66-6	Zinc	E200.8	mg/kg	124	9.7		25.9	J	24.1	J
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.032	U	0.038	U	0.039	U
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6						
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357						
309-00-2	Aldrin	CPEST	ug/kg	2						
319-84-6	Alpha-Bhc	CPEST	ug/kg	3						
319-85-7	Beta-Bhc	CPEST	ug/kg	3						
319-86-8	Delta-Bhc	CPEST	ug/kg	3						
33213-65-9	Endosulfan II	CPEST	ug/kg	14						
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19						
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7						
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7						

				sys_loc_code:	B41		B42		B43	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B41 0-6		B42 0-6		B43 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/08/2009		07/27/2009		07/27/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL						
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32						
60-57-1	Dieldrin	CPEST	ug/kg	0.72						
72-20-8	Endrin	CPEST	ug/kg	2.67						
72-43-5	Methoxychlor	CPEST	ug/kg	29.6						
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22						
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07						
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL						
76-44-8	Heptachlor	CPEST	ug/kg	68						
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1						
959-98-8	Endosulfan I	CPEST	ug/kg	2.9						
11096-82-5	Aroclor 1260	E608	ug/kg	21.6						
11097-69-1	Aroclor 1254	E608	ug/kg	23						
11100-14-4	Aroclor 1268	E608	ug/kg	21.6						
11104-28-2	Aroclor 1221	E608	ug/kg	21.6						
11141-16-5	Aroclor 1232	E608	ug/kg	21.6						
12672-29-6	Aroclor 1248	E608	ug/kg	21.6						
12674-11-2	Aroclor 1016	E608	ug/kg	21.6						
37324-23-5	Aroclor 1262	E608	ug/kg	21.6						
53469-21-9	Aroclor 1242	E608	ug/kg	21.6						
100-41-4	Ethylbenzene	E624	ug/kg	305						
100-42-5	Styrene	E624	ug/kg	7070						
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL						
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL						
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460						
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7						
107-06-2	1,2-Dichloroethane	E624	ug/kg	432						
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000						
108-87-2	Methylcyclohexane	E624	ug/kg	NL						
108-88-3	Toluene	E624	ug/kg	1090						
108-90-7	Chlorobenzene	E624	ug/kg	162						
110-82-7	Cyclohexane	E624	ug/kg	117000						
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473						

				sys_loc_code:	B41		B42		B43	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B41 0-6		B42 0-6		B43 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/08/2009		07/27/2009		07/27/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
123-91-1	1,4-Dioxane	E624	ug/kg	44100						
124-48-1	Dibromochloromethane	E624	ug/kg	680						
127-18-4	Tetrachloroethene	E624	ug/kg	190						
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200						
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300						
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300						
179601-23-1	m,p-Xylene	E624	ug/kg	NL						
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842						
56-23-5	Carbon tetrachloride	E624	ug/kg	248						
591-78-6	2-Hexanone	E624	ug/kg	20900						
67-64-1	Acetone	E624	ug/kg	6130000						
67-66-3	Chloroform	E624	ug/kg	295						
71-43-2	Benzene	E624	ug/kg	137						
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856						
74-83-9	Bromomethane	E624	ug/kg	732						
74-87-3	Chloromethane	E624	ug/kg	11900						
74-97-5	Bromochloromethane	E624	ug/kg	NL						
75-00-3	Chloroethane	E624	ug/kg	1450000						
75-01-4	Vinyl Chloride	E624	ug/kg	59.7						
75-09-2	Methylene chloride	E624	ug/kg	10700						
75-15-0	Carbon Disulfide	E624	ug/kg	0.851						
75-25-2	Bromoform	E624	ug/kg	1310						
75-27-4	Bromodichloromethane	E624	ug/kg	273						
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310						
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780						
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700						
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400						
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000						
78-87-5	1,2-Dichloropropane	E624	ug/kg	895						
78-93-3	2-Butanone	E624	ug/kg	2780000						
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570						
79-01-6	Trichloroethene	E624	ug/kg	1600						
79-20-9	Methyl Acetate	E624	ug/kg	7820000						

				sys_loc_code:	B41		B42		B43	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B41 0-6		B42 0-6		B43 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/08/2009		07/27/2009		07/27/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202						
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858						
95-47-6	o-Xylene	E624	ug/kg	NL						
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989						
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35						
98-82-8	Isopropylbenzene	E624	ug/kg	86						
100-01-6	4-Nitroaniline	E625	ug/kg	24300						
100-02-7	4-Nitrophenol	E625	ug/kg	NL						
100-52-7	Benzaldehyde	E625	ug/kg	782000						
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230						
105-60-2	Caprolactam	E625	ug/kg	3060000						
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29						
106-44-5	4-Methylphenol	E625	ug/kg	670						
106-47-8	4-Chloroaniline	E625	ug/kg	2430						
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570						
108-95-2	Phenol	E625	ug/kg	420						
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214						
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300						
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182						
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL						
118-74-1	Hexachlorobenzene	E625	ug/kg	20						
120-12-7	Anthracene	E625	ug/kg	46.9						
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117						
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6						
129-00-0	Pyrene	E625	ug/kg	153						
131-11-3	Dimethylphthalate	E625	ug/kg	NL						
132-64-9	Dibenzofuran	E625	ug/kg	7300						
1912-24-9	Atrazine	E625	ug/kg	6.62						
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170						
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17						
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148						
206-44-0	Fluoranthene	E625	ug/kg	113						
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240						

				sys_loc_code:	B41		B42		B43	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B41 0-6		B42 0-6		B43 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/08/2009		07/27/2009		07/27/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
208-96-8	Acenaphthylene	E625	ug/kg	5.87						
218-01-9	Chrysene	E625	ug/kg	108						
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8						
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200						
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611						
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22						
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8						
58-90-2	Chlorophenols	E625	ug/kg	284						
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000						
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120						
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4						
67-72-1	Hexachloroethane	E625	ug/kg	804						
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL						
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139						
78-59-1	Isophorone	E625	ug/kg	511000						
83-32-9	Acenaphthene	E625	ug/kg	6.71						
84-66-2	Diethylphthalate	E625	ug/kg	218						
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160						
85-01-8	Phenanthrene	E625	ug/kg	86.7						
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800						
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100						
86-73-7	Fluorene	E625	ug/kg	19						
86-74-8	Carbazole	E625	ug/kg	NL						
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110						
87-86-5	Pentachlorophenol	E625	ug/kg	2970						
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650						
88-74-4	2-Nitroaniline	E625	ug/kg	60600						
88-75-5	2-Nitrophenol	E625	ug/kg	NL						
91-20-3	Naphthalene	E625	ug/kg	34.6						
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2						
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000						
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080						
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220						

				sys_loc_code:	B41		B42		B43	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B41 0-6		B42 0-6		B43 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/08/2009		07/27/2009		07/27/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
95-48-7	2-Methylphenol	E625	ug/kg	306000						
95-57-8	2-Chlorophenol	E625	ug/kg	344						
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830						
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819						
98-86-2	Acetophenone	E625	ug/kg	782000						
98-95-3	Nitrobenzene	E625	ug/kg	4790						
99-09-2	3-Nitroaniline	E625	ug/kg	NL						

				sys_loc_code:	B44		B45		B46	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B44 0-6		B45 0-6		B46 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/09/2009		07/08/2009		07/10/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
7429-90-5	Aluminum	C200.7	mg/kg	7740						
7440-36-0	Antimony	C200.7	mg/kg	2						
7440-38-2	Arsenic	C200.7	mg/kg	0.389						
7440-39-3	Barium	C200.7	mg/kg	130.1						
7440-41-7	Beryllium	C200.7	mg/kg	15.6						
7440-43-9	Cadmium	C200.7	mg/kg	0.68						
7440-70-2	Calcium	C200.7	mg/kg	NL						
7440-47-3	Chromium	C200.7	mg/kg	52.3						
7440-48-4	Cobalt	C200.7	mg/kg	2.34						
7440-50-8	Copper	C200.7	mg/kg	18.7						
7439-89-6	Iron	C200.7	mg/kg	2000						
7439-92-1	Lead	C200.7	mg/kg	30.2						
7439-95-4	Magnesium	C200.7	mg/kg	NL						
7439-96-5	Manganese	C200.7	mg/kg	183						
7440-02-0	Nickel	C200.7	mg/kg	15.9						
7440-09-7	Potassium	C200.7	mg/kg	NL						
7782-49-2	Selenium	C200.7	mg/kg	2						
7440-22-4	Silver	C200.7	mg/kg	0.73						
7440-23-5	Sodium	C200.7	mg/kg	NL						
7440-28-0	Thallium	C200.7	mg/kg	100000						
7440-31-5	Tin	C200.7	mg/kg	NL						
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548						
7440-66-6	Zinc	C200.7	mg/kg	124						
7429-90-5	Aluminum	E200.7	mg/kg	7740	1120	J	976			
7440-36-0	Antimony	E200.7	mg/kg	2						
7440-38-2	Arsenic	E200.7	mg/kg	0.389	4.3					
7440-70-2	Calcium	E200.7	mg/kg	NL	315	J	351	J		
7440-47-3	Chromium	E200.7	mg/kg	52.3						
7440-50-8	Copper	E200.7	mg/kg	18.7	7.6					
7439-89-6	Iron	E200.7	mg/kg	2000	9640	J	7860			
7439-92-1	Lead	E200.7	mg/kg	30.2	13.7	J				
7439-95-4	Magnesium	E200.7	mg/kg	NL	464	J	469	J		
7439-96-5	Manganese	E200.7	mg/kg	183	18.6					

					sys_loc_code:	B44		B45		B46	
					loc_name:	Area-06		Area-06		Area-06	
					sys_sample_code:	B44 0-6		B45 0-6		B46 0-6	
					depth:	0-6 in		0-6 in		0-6 in	
					sample_date:	07/09/2009		07/08/2009		07/10/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED							
7440-02-0	Nickel	E200.7	mg/kg	15.9							
7440-09-7	Potassium	E200.7	mg/kg	NL	281	J	302	J			
7440-22-4	Silver	E200.7	mg/kg	0.73							
7440-23-5	Sodium	E200.7	mg/kg	NL	1190	J	1430				
7440-31-5	Tin	E200.7	mg/kg	NL							
7440-66-6	Zinc	E200.7	mg/kg	124	31.3						
7440-36-0	Antimony	E200.8	mg/kg	2			1.3	UJ	1.2	U	
7440-38-2	Arsenic	E200.8	mg/kg	0.389			3.1		4.9	J	
7440-39-3	Barium	E200.8	mg/kg	130.1			6.4	U	1	J	
7440-41-7	Beryllium	E200.8	mg/kg	15.6			0.32		0.29	J	
7440-43-9	Cadmium	E200.8	mg/kg	0.68			0.077	J	0.011	J	
7440-47-3	Chromium	E200.8	mg/kg	52.3			6	J	7.2	J	
7440-48-4	Cobalt	E200.8	mg/kg	2.34			1.2		1		
7440-50-8	Copper	E200.8	mg/kg	18.7			6.5	J	1.9		
7439-92-1	Lead	E200.8	mg/kg	30.2			21.9	J	2.5		
7439-96-5	Manganese	E200.8	mg/kg	183			20.1	J	45.3		
7440-02-0	Nickel	E200.8	mg/kg	15.9			2.7	J	2	J	
7782-49-2	Selenium	E200.8	mg/kg	2			0.21	J	0.58	U	
7440-22-4	Silver	E200.8	mg/kg	0.73			0.32	UJ	0.29	U	
7440-28-0	Thallium	E200.8	mg/kg	100000			0.64	U	0.58	U	
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548			13.3	J	40.8	J	
7440-66-6	Zinc	E200.8	mg/kg	124			27.8	J	9.6		
7439-97-6	Mercury	E245.5	mg/kg	0.13			0.038	U	0.035	U	
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6							
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357							
309-00-2	Aldrin	CPEST	ug/kg	2							
319-84-6	Alpha-Bhc	CPEST	ug/kg	3							
319-85-7	Beta-Bhc	CPEST	ug/kg	3							
319-86-8	Delta-Bhc	CPEST	ug/kg	3							
33213-65-9	Endosulfan II	CPEST	ug/kg	14							
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19							
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7							
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7							

				sys_loc_code:	B44		B45		B46	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B44 0-6		B45 0-6		B46 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/09/2009		07/08/2009		07/10/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL						
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32						
60-57-1	Dieldrin	CPEST	ug/kg	0.72						
72-20-8	Endrin	CPEST	ug/kg	2.67						
72-43-5	Methoxychlor	CPEST	ug/kg	29.6						
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22						
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07						
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL						
76-44-8	Heptachlor	CPEST	ug/kg	68						
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1						
959-98-8	Endosulfan I	CPEST	ug/kg	2.9						
11096-82-5	Aroclor 1260	E608	ug/kg	21.6						
11097-69-1	Aroclor 1254	E608	ug/kg	23						
11100-14-4	Aroclor 1268	E608	ug/kg	21.6						
11104-28-2	Aroclor 1221	E608	ug/kg	21.6						
11141-16-5	Aroclor 1232	E608	ug/kg	21.6						
12672-29-6	Aroclor 1248	E608	ug/kg	21.6						
12674-11-2	Aroclor 1016	E608	ug/kg	21.6						
37324-23-5	Aroclor 1262	E608	ug/kg	21.6						
53469-21-9	Aroclor 1242	E608	ug/kg	21.6						
100-41-4	Ethylbenzene	E624	ug/kg	305						
100-42-5	Styrene	E624	ug/kg	7070						
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL						
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL						
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460						
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7						
107-06-2	1,2-Dichloroethane	E624	ug/kg	432						
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000						
108-87-2	Methylcyclohexane	E624	ug/kg	NL						
108-88-3	Toluene	E624	ug/kg	1090						
108-90-7	Chlorobenzene	E624	ug/kg	162						
110-82-7	Cyclohexane	E624	ug/kg	117000						
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473						

				sys_loc_code:	B44		B45		B46	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B44 0-6		B45 0-6		B46 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/09/2009		07/08/2009		07/10/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
123-91-1	1,4-Dioxane	E624	ug/kg	44100						
124-48-1	Dibromochloromethane	E624	ug/kg	680						
127-18-4	Tetrachloroethene	E624	ug/kg	190						
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200						
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300						
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300						
179601-23-1	m,p-Xylene	E624	ug/kg	NL						
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842						
56-23-5	Carbon tetrachloride	E624	ug/kg	248						
591-78-6	2-Hexanone	E624	ug/kg	20900						
67-64-1	Acetone	E624	ug/kg	6130000						
67-66-3	Chloroform	E624	ug/kg	295						
71-43-2	Benzene	E624	ug/kg	137						
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856						
74-83-9	Bromomethane	E624	ug/kg	732						
74-87-3	Chloromethane	E624	ug/kg	11900						
74-97-5	Bromochloromethane	E624	ug/kg	NL						
75-00-3	Chloroethane	E624	ug/kg	1450000						
75-01-4	Vinyl Chloride	E624	ug/kg	59.7						
75-09-2	Methylene chloride	E624	ug/kg	10700						
75-15-0	Carbon Disulfide	E624	ug/kg	0.851						
75-25-2	Bromoform	E624	ug/kg	1310						
75-27-4	Bromodichloromethane	E624	ug/kg	273						
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310						
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780						
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700						
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400						
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000						
78-87-5	1,2-Dichloropropane	E624	ug/kg	895						
78-93-3	2-Butanone	E624	ug/kg	2780000						
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570						
79-01-6	Trichloroethene	E624	ug/kg	1600						
79-20-9	Methyl Acetate	E624	ug/kg	7820000						

				sys_loc_code:	B44		B45		B46	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B44 0-6		B45 0-6		B46 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/09/2009		07/08/2009		07/10/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202						
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858						
95-47-6	o-Xylene	E624	ug/kg	NL						
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989						
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35						
98-82-8	Isopropylbenzene	E624	ug/kg	86						
100-01-6	4-Nitroaniline	E625	ug/kg	24300						
100-02-7	4-Nitrophenol	E625	ug/kg	NL						
100-52-7	Benzaldehyde	E625	ug/kg	782000						
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230						
105-60-2	Caprolactam	E625	ug/kg	3060000						
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29						
106-44-5	4-Methylphenol	E625	ug/kg	670						
106-47-8	4-Chloroaniline	E625	ug/kg	2430						
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570						
108-95-2	Phenol	E625	ug/kg	420						
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214						
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300						
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182						
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL						
118-74-1	Hexachlorobenzene	E625	ug/kg	20						
120-12-7	Anthracene	E625	ug/kg	46.9						
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117						
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6						
129-00-0	Pyrene	E625	ug/kg	153						
131-11-3	Dimethylphthalate	E625	ug/kg	NL						
132-64-9	Dibenzofuran	E625	ug/kg	7300						
1912-24-9	Atrazine	E625	ug/kg	6.62						
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170						
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17						
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148						
206-44-0	Fluoranthene	E625	ug/kg	113						
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240						

				sys_loc_code:	B44		B45		B46	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B44 0-6		B45 0-6		B46 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/09/2009		07/08/2009		07/10/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
208-96-8	Acenaphthylene	E625	ug/kg	5.87						
218-01-9	Chrysene	E625	ug/kg	108						
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8						
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200						
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611						
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22						
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8						
58-90-2	Chlorophenols	E625	ug/kg	284						
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000						
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120						
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4						
67-72-1	Hexachloroethane	E625	ug/kg	804						
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL						
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139						
78-59-1	Isophorone	E625	ug/kg	511000						
83-32-9	Acenaphthene	E625	ug/kg	6.71						
84-66-2	Diethylphthalate	E625	ug/kg	218						
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160						
85-01-8	Phenanthrene	E625	ug/kg	86.7						
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800						
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100						
86-73-7	Fluorene	E625	ug/kg	19						
86-74-8	Carbazole	E625	ug/kg	NL						
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110						
87-86-5	Pentachlorophenol	E625	ug/kg	2970						
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650						
88-74-4	2-Nitroaniline	E625	ug/kg	60600						
88-75-5	2-Nitrophenol	E625	ug/kg	NL						
91-20-3	Naphthalene	E625	ug/kg	34.6						
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2						
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000						
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080						
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220						

				sys_loc_code:	B44		B45		B46	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B44 0-6		B45 0-6		B46 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/09/2009		07/08/2009		07/10/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
95-48-7	2-Methylphenol	E625	ug/kg	306000						
95-57-8	2-Chlorophenol	E625	ug/kg	344						
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830						
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819						
98-86-2	Acetophenone	E625	ug/kg	782000						
98-95-3	Nitrobenzene	E625	ug/kg	4790						
99-09-2	3-Nitroaniline	E625	ug/kg	NL						

				sys_loc_code:	B47		B49		B50	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B47 0-6		B49 0-6		B50 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/08/2009		07/27/2009		07/27/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
7429-90-5	Aluminum	C200.7	mg/kg	7740						
7440-36-0	Antimony	C200.7	mg/kg	2						
7440-38-2	Arsenic	C200.7	mg/kg	0.389						
7440-39-3	Barium	C200.7	mg/kg	130.1						
7440-41-7	Beryllium	C200.7	mg/kg	15.6						
7440-43-9	Cadmium	C200.7	mg/kg	0.68						
7440-70-2	Calcium	C200.7	mg/kg	NL						
7440-47-3	Chromium	C200.7	mg/kg	52.3						
7440-48-4	Cobalt	C200.7	mg/kg	2.34						
7440-50-8	Copper	C200.7	mg/kg	18.7						
7439-89-6	Iron	C200.7	mg/kg	2000						
7439-92-1	Lead	C200.7	mg/kg	30.2						
7439-95-4	Magnesium	C200.7	mg/kg	NL						
7439-96-5	Manganese	C200.7	mg/kg	183						
7440-02-0	Nickel	C200.7	mg/kg	15.9						
7440-09-7	Potassium	C200.7	mg/kg	NL						
7782-49-2	Selenium	C200.7	mg/kg	2						
7440-22-4	Silver	C200.7	mg/kg	0.73						
7440-23-5	Sodium	C200.7	mg/kg	NL						
7440-28-0	Thallium	C200.7	mg/kg	100000						
7440-31-5	Tin	C200.7	mg/kg	NL						
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548						
7440-66-6	Zinc	C200.7	mg/kg	124						
7429-90-5	Aluminum	E200.7	mg/kg	7740	411					
7440-36-0	Antimony	E200.7	mg/kg	2						
7440-38-2	Arsenic	E200.7	mg/kg	0.389						
7440-70-2	Calcium	E200.7	mg/kg	NL	37.8	J				
7440-47-3	Chromium	E200.7	mg/kg	52.3						
7440-50-8	Copper	E200.7	mg/kg	18.7						
7439-89-6	Iron	E200.7	mg/kg	2000	7890	J				
7439-92-1	Lead	E200.7	mg/kg	30.2						
7439-95-4	Magnesium	E200.7	mg/kg	NL	72.6	J				
7439-96-5	Manganese	E200.7	mg/kg	183						

				sys_loc_code:	B47		B49		B50	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B47 0-6		B49 0-6		B50 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/08/2009		07/27/2009		07/27/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
7440-02-0	Nickel	E200.7	mg/kg	15.9						
7440-09-7	Potassium	E200.7	mg/kg	NL	99.2	J				
7440-22-4	Silver	E200.7	mg/kg	0.73						
7440-23-5	Sodium	E200.7	mg/kg	NL	517	UJ				
7440-31-5	Tin	E200.7	mg/kg	NL						
7440-66-6	Zinc	E200.7	mg/kg	124						
7440-36-0	Antimony	E200.8	mg/kg	2	1	U	1.3	U	1.2	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389	1.3		0.91		6.8	J
7440-39-3	Barium	E200.8	mg/kg	130.1	1.1	J	2.3	J	4.5	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.072	J	0.084	J	0.3	U
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.019	J	0.078	J	0.18	J
7440-47-3	Chromium	E200.8	mg/kg	52.3	2.9		3.3	J	10.1	
7440-48-4	Cobalt	E200.8	mg/kg	2.34	0.51	UJ	0.61	J	1.1	
7440-50-8	Copper	E200.8	mg/kg	18.7	2.3		6.4		14.6	J
7439-92-1	Lead	E200.8	mg/kg	30.2	7.7	J	12.3	J	16	J
7439-96-5	Manganese	E200.8	mg/kg	183	8.8		13		33.8	
7440-02-0	Nickel	E200.8	mg/kg	15.9	0.53		1.6		3.9	J
7782-49-2	Selenium	E200.8	mg/kg	2	0.078	J	0.64	U	0.47	J
7440-22-4	Silver	E200.8	mg/kg	0.73	0.26	UJ	0.32	UJ	0.3	UJ
7440-28-0	Thallium	E200.8	mg/kg	100000	0.51	U	0.64	U	0.6	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	8.4		6.4		13.7	
7440-66-6	Zinc	E200.8	mg/kg	124	10		19.4		43.6	J
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.03	U	0.049		0.15	
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6						
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357						
309-00-2	Aldrin	CPEST	ug/kg	2						
319-84-6	Alpha-Bhc	CPEST	ug/kg	3						
319-85-7	Beta-Bhc	CPEST	ug/kg	3						
319-86-8	Delta-Bhc	CPEST	ug/kg	3						
33213-65-9	Endosulfan II	CPEST	ug/kg	14						
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19						
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7						
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7						

				sys_loc_code:	B47		B49		B50	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B47 0-6		B49 0-6		B50 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/08/2009		07/27/2009		07/27/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL						
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32						
60-57-1	Dieldrin	CPEST	ug/kg	0.72						
72-20-8	Endrin	CPEST	ug/kg	2.67						
72-43-5	Methoxychlor	CPEST	ug/kg	29.6						
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22						
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07						
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL						
76-44-8	Heptachlor	CPEST	ug/kg	68						
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1						
959-98-8	Endosulfan I	CPEST	ug/kg	2.9						
11096-82-5	Aroclor 1260	E608	ug/kg	21.6						
11097-69-1	Aroclor 1254	E608	ug/kg	23						
11100-14-4	Aroclor 1268	E608	ug/kg	21.6						
11104-28-2	Aroclor 1221	E608	ug/kg	21.6						
11141-16-5	Aroclor 1232	E608	ug/kg	21.6						
12672-29-6	Aroclor 1248	E608	ug/kg	21.6						
12674-11-2	Aroclor 1016	E608	ug/kg	21.6						
37324-23-5	Aroclor 1262	E608	ug/kg	21.6						
53469-21-9	Aroclor 1242	E608	ug/kg	21.6						
100-41-4	Ethylbenzene	E624	ug/kg	305						
100-42-5	Styrene	E624	ug/kg	7070						
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL						
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL						
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460						
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7						
107-06-2	1,2-Dichloroethane	E624	ug/kg	432						
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000						
108-87-2	Methylcyclohexane	E624	ug/kg	NL						
108-88-3	Toluene	E624	ug/kg	1090						
108-90-7	Chlorobenzene	E624	ug/kg	162						
110-82-7	Cyclohexane	E624	ug/kg	117000						
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473						

				sys_loc_code:	B47		B49		B50	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B47 0-6		B49 0-6		B50 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/08/2009		07/27/2009		07/27/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
123-91-1	1,4-Dioxane	E624	ug/kg	44100						
124-48-1	Dibromochloromethane	E624	ug/kg	680						
127-18-4	Tetrachloroethene	E624	ug/kg	190						
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200						
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300						
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300						
179601-23-1	m,p-Xylene	E624	ug/kg	NL						
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842						
56-23-5	Carbon tetrachloride	E624	ug/kg	248						
591-78-6	2-Hexanone	E624	ug/kg	20900						
67-64-1	Acetone	E624	ug/kg	6130000						
67-66-3	Chloroform	E624	ug/kg	295						
71-43-2	Benzene	E624	ug/kg	137						
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856						
74-83-9	Bromomethane	E624	ug/kg	732						
74-87-3	Chloromethane	E624	ug/kg	11900						
74-97-5	Bromochloromethane	E624	ug/kg	NL						
75-00-3	Chloroethane	E624	ug/kg	1450000						
75-01-4	Vinyl Chloride	E624	ug/kg	59.7						
75-09-2	Methylene chloride	E624	ug/kg	10700						
75-15-0	Carbon Disulfide	E624	ug/kg	0.851						
75-25-2	Bromoform	E624	ug/kg	1310						
75-27-4	Bromodichloromethane	E624	ug/kg	273						
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310						
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780						
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700						
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400						
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000						
78-87-5	1,2-Dichloropropane	E624	ug/kg	895						
78-93-3	2-Butanone	E624	ug/kg	2780000						
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570						
79-01-6	Trichloroethene	E624	ug/kg	1600						
79-20-9	Methyl Acetate	E624	ug/kg	7820000						

				sys_loc_code:	B47		B49		B50	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B47 0-6		B49 0-6		B50 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/08/2009		07/27/2009		07/27/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202						
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858						
95-47-6	o-Xylene	E624	ug/kg	NL						
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989						
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35						
98-82-8	Isopropylbenzene	E624	ug/kg	86						
100-01-6	4-Nitroaniline	E625	ug/kg	24300						
100-02-7	4-Nitrophenol	E625	ug/kg	NL						
100-52-7	Benzaldehyde	E625	ug/kg	782000						
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230						
105-60-2	Caprolactam	E625	ug/kg	3060000						
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29						
106-44-5	4-Methylphenol	E625	ug/kg	670						
106-47-8	4-Chloroaniline	E625	ug/kg	2430						
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570						
108-95-2	Phenol	E625	ug/kg	420						
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214						
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300						
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182						
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL						
118-74-1	Hexachlorobenzene	E625	ug/kg	20						
120-12-7	Anthracene	E625	ug/kg	46.9						
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117						
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6						
129-00-0	Pyrene	E625	ug/kg	153						
131-11-3	Dimethylphthalate	E625	ug/kg	NL						
132-64-9	Dibenzofuran	E625	ug/kg	7300						
1912-24-9	Atrazine	E625	ug/kg	6.62						
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170						
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17						
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148						
206-44-0	Fluoranthene	E625	ug/kg	113						
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240						

				sys_loc_code:	B47		B49		B50	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B47 0-6		B49 0-6		B50 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/08/2009		07/27/2009		07/27/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
208-96-8	Acenaphthylene	E625	ug/kg	5.87						
218-01-9	Chrysene	E625	ug/kg	108						
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8						
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200						
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611						
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22						
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8						
58-90-2	Chlorophenols	E625	ug/kg	284						
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000						
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120						
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4						
67-72-1	Hexachloroethane	E625	ug/kg	804						
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL						
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139						
78-59-1	Isophorone	E625	ug/kg	511000						
83-32-9	Acenaphthene	E625	ug/kg	6.71						
84-66-2	Diethylphthalate	E625	ug/kg	218						
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160						
85-01-8	Phenanthrene	E625	ug/kg	86.7						
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800						
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100						
86-73-7	Fluorene	E625	ug/kg	19						
86-74-8	Carbazole	E625	ug/kg	NL						
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110						
87-86-5	Pentachlorophenol	E625	ug/kg	2970						
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650						
88-74-4	2-Nitroaniline	E625	ug/kg	60600						
88-75-5	2-Nitrophenol	E625	ug/kg	NL						
91-20-3	Naphthalene	E625	ug/kg	34.6						
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2						
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000						
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080						
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220						

				sys_loc_code:	B47		B49		B50	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B47 0-6		B49 0-6		B50 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/08/2009		07/27/2009		07/27/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
95-48-7	2-Methylphenol	E625	ug/kg	306000						
95-57-8	2-Chlorophenol	E625	ug/kg	344						
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830						
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819						
98-86-2	Acetophenone	E625	ug/kg	782000						
98-95-3	Nitrobenzene	E625	ug/kg	4790						
99-09-2	3-Nitroaniline	E625	ug/kg	NL						

				sys_loc_code:	B51		B52		B53	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B51 0-6		B52 0-6		B53 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/27/2009		07/27/2009		07/27/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
7429-90-5	Aluminum	C200.7	mg/kg	7740						
7440-36-0	Antimony	C200.7	mg/kg	2						
7440-38-2	Arsenic	C200.7	mg/kg	0.389						
7440-39-3	Barium	C200.7	mg/kg	130.1						
7440-41-7	Beryllium	C200.7	mg/kg	15.6						
7440-43-9	Cadmium	C200.7	mg/kg	0.68						
7440-70-2	Calcium	C200.7	mg/kg	NL						
7440-47-3	Chromium	C200.7	mg/kg	52.3						
7440-48-4	Cobalt	C200.7	mg/kg	2.34						
7440-50-8	Copper	C200.7	mg/kg	18.7						
7439-89-6	Iron	C200.7	mg/kg	2000						
7439-92-1	Lead	C200.7	mg/kg	30.2						
7439-95-4	Magnesium	C200.7	mg/kg	NL						
7439-96-5	Manganese	C200.7	mg/kg	183						
7440-02-0	Nickel	C200.7	mg/kg	15.9						
7440-09-7	Potassium	C200.7	mg/kg	NL						
7782-49-2	Selenium	C200.7	mg/kg	2						
7440-22-4	Silver	C200.7	mg/kg	0.73						
7440-23-5	Sodium	C200.7	mg/kg	NL						
7440-28-0	Thallium	C200.7	mg/kg	100000						
7440-31-5	Tin	C200.7	mg/kg	NL						
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548						
7440-66-6	Zinc	C200.7	mg/kg	124						
7429-90-5	Aluminum	E200.7	mg/kg	7740						
7440-36-0	Antimony	E200.7	mg/kg	2						
7440-38-2	Arsenic	E200.7	mg/kg	0.389						
7440-70-2	Calcium	E200.7	mg/kg	NL						
7440-47-3	Chromium	E200.7	mg/kg	52.3						
7440-50-8	Copper	E200.7	mg/kg	18.7						
7439-89-6	Iron	E200.7	mg/kg	2000						
7439-92-1	Lead	E200.7	mg/kg	30.2						
7439-95-4	Magnesium	E200.7	mg/kg	NL						
7439-96-5	Manganese	E200.7	mg/kg	183						

				sys_loc_code:	B51		B52		B53	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B51 0-6		B52 0-6		B53 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/27/2009		07/27/2009		07/27/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
7440-02-0	Nickel	E200.7	mg/kg	15.9						
7440-09-7	Potassium	E200.7	mg/kg	NL						
7440-22-4	Silver	E200.7	mg/kg	0.73						
7440-23-5	Sodium	E200.7	mg/kg	NL						
7440-31-5	Tin	E200.7	mg/kg	NL						
7440-66-6	Zinc	E200.7	mg/kg	124						
7440-36-0	Antimony	E200.8	mg/kg	2	1.2	U	1.3	U	1.2	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389	6.5	J	4.8		2.8	
7440-39-3	Barium	E200.8	mg/kg	130.1	5.2	J	4.5	J	3.2	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.3	U	0.67		0.16	J
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.23	J	0.11	J	0.11	J
7440-47-3	Chromium	E200.8	mg/kg	52.3	12.4		12.5	J	5.3	J
7440-48-4	Cobalt	E200.8	mg/kg	2.34	1.1		2.3		0.84	
7440-50-8	Copper	E200.8	mg/kg	18.7	18.5	J	9		6.6	
7439-92-1	Lead	E200.8	mg/kg	30.2	17.2	J	16	J	43.2	J
7439-96-5	Manganese	E200.8	mg/kg	183	48.5		27.1		25.2	
7440-02-0	Nickel	E200.8	mg/kg	15.9	5	J	4		1.7	
7782-49-2	Selenium	E200.8	mg/kg	2	0.77		0.63	U	0.62	U
7440-22-4	Silver	E200.8	mg/kg	0.73	0.3	UJ	0.32	UJ	0.31	UJ
7440-28-0	Thallium	E200.8	mg/kg	100000	0.61	U	0.63	U	0.62	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	17		23.7		10.6	
7440-66-6	Zinc	E200.8	mg/kg	124	49.7	J	36.2		28.1	
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.14		0.026	J	0.042	
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6						
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357						
309-00-2	Aldrin	CPEST	ug/kg	2						
319-84-6	Alpha-Bhc	CPEST	ug/kg	3						
319-85-7	Beta-Bhc	CPEST	ug/kg	3						
319-86-8	Delta-Bhc	CPEST	ug/kg	3						
33213-65-9	Endosulfan II	CPEST	ug/kg	14						
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19						
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7						
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7						

				sys_loc_code:	B51		B52		B53	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B51 0-6		B52 0-6		B53 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/27/2009		07/27/2009		07/27/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL						
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32						
60-57-1	Dieldrin	CPEST	ug/kg	0.72						
72-20-8	Endrin	CPEST	ug/kg	2.67						
72-43-5	Methoxychlor	CPEST	ug/kg	29.6						
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22						
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07						
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL						
76-44-8	Heptachlor	CPEST	ug/kg	68						
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1						
959-98-8	Endosulfan I	CPEST	ug/kg	2.9						
11096-82-5	Aroclor 1260	E608	ug/kg	21.6						
11097-69-1	Aroclor 1254	E608	ug/kg	23						
11100-14-4	Aroclor 1268	E608	ug/kg	21.6						
11104-28-2	Aroclor 1221	E608	ug/kg	21.6						
11141-16-5	Aroclor 1232	E608	ug/kg	21.6						
12672-29-6	Aroclor 1248	E608	ug/kg	21.6						
12674-11-2	Aroclor 1016	E608	ug/kg	21.6						
37324-23-5	Aroclor 1262	E608	ug/kg	21.6						
53469-21-9	Aroclor 1242	E608	ug/kg	21.6						
100-41-4	Ethylbenzene	E624	ug/kg	305						
100-42-5	Styrene	E624	ug/kg	7070						
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL						
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL						
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460						
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7						
107-06-2	1,2-Dichloroethane	E624	ug/kg	432						
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000						
108-87-2	Methylcyclohexane	E624	ug/kg	NL						
108-88-3	Toluene	E624	ug/kg	1090						
108-90-7	Chlorobenzene	E624	ug/kg	162						
110-82-7	Cyclohexane	E624	ug/kg	117000						
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473						

				sys_loc_code:	B51		B52		B53	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B51 0-6		B52 0-6		B53 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/27/2009		07/27/2009		07/27/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
123-91-1	1,4-Dioxane	E624	ug/kg	44100						
124-48-1	Dibromochloromethane	E624	ug/kg	680						
127-18-4	Tetrachloroethene	E624	ug/kg	190						
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200						
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300						
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300						
179601-23-1	m,p-Xylene	E624	ug/kg	NL						
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842						
56-23-5	Carbon tetrachloride	E624	ug/kg	248						
591-78-6	2-Hexanone	E624	ug/kg	20900						
67-64-1	Acetone	E624	ug/kg	6130000						
67-66-3	Chloroform	E624	ug/kg	295						
71-43-2	Benzene	E624	ug/kg	137						
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856						
74-83-9	Bromomethane	E624	ug/kg	732						
74-87-3	Chloromethane	E624	ug/kg	11900						
74-97-5	Bromochloromethane	E624	ug/kg	NL						
75-00-3	Chloroethane	E624	ug/kg	1450000						
75-01-4	Vinyl Chloride	E624	ug/kg	59.7						
75-09-2	Methylene chloride	E624	ug/kg	10700						
75-15-0	Carbon Disulfide	E624	ug/kg	0.851						
75-25-2	Bromoform	E624	ug/kg	1310						
75-27-4	Bromodichloromethane	E624	ug/kg	273						
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310						
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780						
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700						
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400						
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000						
78-87-5	1,2-Dichloropropane	E624	ug/kg	895						
78-93-3	2-Butanone	E624	ug/kg	2780000						
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570						
79-01-6	Trichloroethene	E624	ug/kg	1600						
79-20-9	Methyl Acetate	E624	ug/kg	7820000						

				sys_loc_code:	B51		B52		B53	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B51 0-6		B52 0-6		B53 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/27/2009		07/27/2009		07/27/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202						
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858						
95-47-6	o-Xylene	E624	ug/kg	NL						
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989						
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35						
98-82-8	Isopropylbenzene	E624	ug/kg	86						
100-01-6	4-Nitroaniline	E625	ug/kg	24300						
100-02-7	4-Nitrophenol	E625	ug/kg	NL						
100-52-7	Benzaldehyde	E625	ug/kg	782000						
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230						
105-60-2	Caprolactam	E625	ug/kg	3060000						
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29						
106-44-5	4-Methylphenol	E625	ug/kg	670						
106-47-8	4-Chloroaniline	E625	ug/kg	2430						
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570						
108-95-2	Phenol	E625	ug/kg	420						
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214						
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300						
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182						
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL						
118-74-1	Hexachlorobenzene	E625	ug/kg	20						
120-12-7	Anthracene	E625	ug/kg	46.9						
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117						
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6						
129-00-0	Pyrene	E625	ug/kg	153						
131-11-3	Dimethylphthalate	E625	ug/kg	NL						
132-64-9	Dibenzofuran	E625	ug/kg	7300						
1912-24-9	Atrazine	E625	ug/kg	6.62						
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170						
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17						
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148						
206-44-0	Fluoranthene	E625	ug/kg	113						
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240						

				sys_loc_code:	B51		B52		B53	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B51 0-6		B52 0-6		B53 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/27/2009		07/27/2009		07/27/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
208-96-8	Acenaphthylene	E625	ug/kg	5.87						
218-01-9	Chrysene	E625	ug/kg	108						
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8						
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200						
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611						
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22						
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8						
58-90-2	Chlorophenols	E625	ug/kg	284						
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000						
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120						
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4						
67-72-1	Hexachloroethane	E625	ug/kg	804						
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL						
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139						
78-59-1	Isophorone	E625	ug/kg	511000						
83-32-9	Acenaphthene	E625	ug/kg	6.71						
84-66-2	Diethylphthalate	E625	ug/kg	218						
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160						
85-01-8	Phenanthrene	E625	ug/kg	86.7						
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800						
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100						
86-73-7	Fluorene	E625	ug/kg	19						
86-74-8	Carbazole	E625	ug/kg	NL						
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110						
87-86-5	Pentachlorophenol	E625	ug/kg	2970						
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650						
88-74-4	2-Nitroaniline	E625	ug/kg	60600						
88-75-5	2-Nitrophenol	E625	ug/kg	NL						
91-20-3	Naphthalene	E625	ug/kg	34.6						
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2						
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000						
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080						
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220						

				sys_loc_code:	B51		B52		B53	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B51 0-6		B52 0-6		B53 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/27/2009		07/27/2009		07/27/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
95-48-7	2-Methylphenol	E625	ug/kg	306000						
95-57-8	2-Chlorophenol	E625	ug/kg	344						
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830						
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819						
98-86-2	Acetophenone	E625	ug/kg	782000						
98-95-3	Nitrobenzene	E625	ug/kg	4790						
99-09-2	3-Nitroaniline	E625	ug/kg	NL						

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				sys_loc_code:	B54		B55		B56		
				loc_name:	Area-06		Area-06		Area-06		
				sys_sample_code:	B54 0-6		B55 0-6		B56 0-6		
				depth:	0-6 in		0-6 in		0-6 in		
				sample_date:	07/27/2009		07/08/2009		07/08/2009		
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED							
7429-90-5	Aluminum	C200.7	mg/kg	7740							
7440-36-0	Antimony	C200.7	mg/kg	2							
7440-38-2	Arsenic	C200.7	mg/kg	0.389							
7440-39-3	Barium	C200.7	mg/kg	130.1							
7440-41-7	Beryllium	C200.7	mg/kg	15.6							
7440-43-9	Cadmium	C200.7	mg/kg	0.68							
7440-70-2	Calcium	C200.7	mg/kg	NL							
7440-47-3	Chromium	C200.7	mg/kg	52.3							
7440-48-4	Cobalt	C200.7	mg/kg	2.34							
7440-50-8	Copper	C200.7	mg/kg	18.7							
7439-89-6	Iron	C200.7	mg/kg	2000							
7439-92-1	Lead	C200.7	mg/kg	30.2							
7439-95-4	Magnesium	C200.7	mg/kg	NL							
7439-96-5	Manganese	C200.7	mg/kg	183							
7440-02-0	Nickel	C200.7	mg/kg	15.9							
7440-09-7	Potassium	C200.7	mg/kg	NL							
7782-49-2	Selenium	C200.7	mg/kg	2							
7440-22-4	Silver	C200.7	mg/kg	0.73							
7440-23-5	Sodium	C200.7	mg/kg	NL							
7440-28-0	Thallium	C200.7	mg/kg	100000							
7440-31-5	Tin	C200.7	mg/kg	NL							
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548							
7440-66-6	Zinc	C200.7	mg/kg	124							
7429-90-5	Aluminum	E200.7	mg/kg	7740			663		811		
7440-36-0	Antimony	E200.7	mg/kg	2							
7440-38-2	Arsenic	E200.7	mg/kg	0.389							
7440-70-2	Calcium	E200.7	mg/kg	NL			956		451	J	
7440-47-3	Chromium	E200.7	mg/kg	52.3							
7440-50-8	Copper	E200.7	mg/kg	18.7							
7439-89-6	Iron	E200.7	mg/kg	2000			4800		4410	J	
7439-92-1	Lead	E200.7	mg/kg	30.2							
7439-95-4	Magnesium	E200.7	mg/kg	NL			483	J	596	J	
7439-96-5	Manganese	E200.7	mg/kg	183							

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				sys_loc_code:	B54		B55		B56		
				loc_name:	Area-06		Area-06		Area-06		
				sys_sample_code:	B54 0-6		B55 0-6		B56 0-6		
				depth:	0-6 in		0-6 in		0-6 in		
				sample_date:	07/27/2009		07/08/2009		07/08/2009		
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED							
7440-02-0	Nickel	E200.7	mg/kg	15.9							
7440-09-7	Potassium	E200.7	mg/kg	NL			292	J	504	J	
7440-22-4	Silver	E200.7	mg/kg	0.73							
7440-23-5	Sodium	E200.7	mg/kg	NL			2190		1650	J	
7440-31-5	Tin	E200.7	mg/kg	NL							
7440-66-6	Zinc	E200.7	mg/kg	124							
7440-36-0	Antimony	E200.8	mg/kg	2	1.3	U	1.3	UJ	1.2	U	
7440-38-2	Arsenic	E200.8	mg/kg	0.389	4.7		1.9		1.4		
7440-39-3	Barium	E200.8	mg/kg	130.1	4.7	J	1.7	J	1.6	J	
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.77		0.11	J	0.1	J	
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.11	J	0.067	J	0.026	J	
7440-47-3	Chromium	E200.8	mg/kg	52.3	13.2	J	3.2	J	2.6		
7440-48-4	Cobalt	E200.8	mg/kg	2.34	2.7		0.57	J	0.68	J	
7440-50-8	Copper	E200.8	mg/kg	18.7	7.3		4.1	J	1.9		
7439-92-1	Lead	E200.8	mg/kg	30.2	12.5	J	14.1	J	5.2	J	
7439-96-5	Manganese	E200.8	mg/kg	183	27.1		18	J	16.1		
7440-02-0	Nickel	E200.8	mg/kg	15.9	4.5		1.1	J	1.5		
7782-49-2	Selenium	E200.8	mg/kg	2	0.63	U	0.23	J	0.12	J	
7440-22-4	Silver	E200.8	mg/kg	0.73	0.32	UJ	0.33	UJ	0.31	UJ	
7440-28-0	Thallium	E200.8	mg/kg	100000	0.63	U	0.65	U	0.61	U	
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	27		7.5	J	5.1		
7440-66-6	Zinc	E200.8	mg/kg	124	33.3		25.2	J	14.8		
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.038	J	0.039	U	0.038	U	
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6							
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357							
309-00-2	Aldrin	CPEST	ug/kg	2							
319-84-6	Alpha-Bhc	CPEST	ug/kg	3							
319-85-7	Beta-Bhc	CPEST	ug/kg	3							
319-86-8	Delta-Bhc	CPEST	ug/kg	3							
33213-65-9	Endosulfan II	CPEST	ug/kg	14							
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19							
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7							
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7							

				sys_loc_code:	B54		B55		B56	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B54 0-6		B55 0-6		B56 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/27/2009		07/08/2009		07/08/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL						
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32						
60-57-1	Dieldrin	CPEST	ug/kg	0.72						
72-20-8	Endrin	CPEST	ug/kg	2.67						
72-43-5	Methoxychlor	CPEST	ug/kg	29.6						
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22						
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07						
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL						
76-44-8	Heptachlor	CPEST	ug/kg	68						
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1						
959-98-8	Endosulfan I	CPEST	ug/kg	2.9						
11096-82-5	Aroclor 1260	E608	ug/kg	21.6						
11097-69-1	Aroclor 1254	E608	ug/kg	23						
11100-14-4	Aroclor 1268	E608	ug/kg	21.6						
11104-28-2	Aroclor 1221	E608	ug/kg	21.6						
11141-16-5	Aroclor 1232	E608	ug/kg	21.6						
12672-29-6	Aroclor 1248	E608	ug/kg	21.6						
12674-11-2	Aroclor 1016	E608	ug/kg	21.6						
37324-23-5	Aroclor 1262	E608	ug/kg	21.6						
53469-21-9	Aroclor 1242	E608	ug/kg	21.6						
100-41-4	Ethylbenzene	E624	ug/kg	305						
100-42-5	Styrene	E624	ug/kg	7070						
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL						
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL						
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460						
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7						
107-06-2	1,2-Dichloroethane	E624	ug/kg	432						
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000						
108-87-2	Methylcyclohexane	E624	ug/kg	NL						
108-88-3	Toluene	E624	ug/kg	1090						
108-90-7	Chlorobenzene	E624	ug/kg	162						
110-82-7	Cyclohexane	E624	ug/kg	117000						
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473						

				sys_loc_code:	B54		B55		B56	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B54 0-6		B55 0-6		B56 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/27/2009		07/08/2009		07/08/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
123-91-1	1,4-Dioxane	E624	ug/kg	44100						
124-48-1	Dibromochloromethane	E624	ug/kg	680						
127-18-4	Tetrachloroethene	E624	ug/kg	190						
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200						
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300						
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300						
179601-23-1	m,p-Xylene	E624	ug/kg	NL						
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842						
56-23-5	Carbon tetrachloride	E624	ug/kg	248						
591-78-6	2-Hexanone	E624	ug/kg	20900						
67-64-1	Acetone	E624	ug/kg	6130000						
67-66-3	Chloroform	E624	ug/kg	295						
71-43-2	Benzene	E624	ug/kg	137						
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856						
74-83-9	Bromomethane	E624	ug/kg	732						
74-87-3	Chloromethane	E624	ug/kg	11900						
74-97-5	Bromochloromethane	E624	ug/kg	NL						
75-00-3	Chloroethane	E624	ug/kg	1450000						
75-01-4	Vinyl Chloride	E624	ug/kg	59.7						
75-09-2	Methylene chloride	E624	ug/kg	10700						
75-15-0	Carbon Disulfide	E624	ug/kg	0.851						
75-25-2	Bromoform	E624	ug/kg	1310						
75-27-4	Bromodichloromethane	E624	ug/kg	273						
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310						
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780						
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700						
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400						
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000						
78-87-5	1,2-Dichloropropane	E624	ug/kg	895						
78-93-3	2-Butanone	E624	ug/kg	2780000						
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570						
79-01-6	Trichloroethene	E624	ug/kg	1600						
79-20-9	Methyl Acetate	E624	ug/kg	7820000						

				sys_loc_code:	B54		B55		B56	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B54 0-6		B55 0-6		B56 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/27/2009		07/08/2009		07/08/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202						
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858						
95-47-6	o-Xylene	E624	ug/kg	NL						
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989						
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35						
98-82-8	Isopropylbenzene	E624	ug/kg	86						
100-01-6	4-Nitroaniline	E625	ug/kg	24300						
100-02-7	4-Nitrophenol	E625	ug/kg	NL						
100-52-7	Benzaldehyde	E625	ug/kg	782000						
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230						
105-60-2	Caprolactam	E625	ug/kg	3060000						
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29						
106-44-5	4-Methylphenol	E625	ug/kg	670						
106-47-8	4-Chloroaniline	E625	ug/kg	2430						
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570						
108-95-2	Phenol	E625	ug/kg	420						
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214						
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300						
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182						
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL						
118-74-1	Hexachlorobenzene	E625	ug/kg	20						
120-12-7	Anthracene	E625	ug/kg	46.9						
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117						
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6						
129-00-0	Pyrene	E625	ug/kg	153						
131-11-3	Dimethylphthalate	E625	ug/kg	NL						
132-64-9	Dibenzofuran	E625	ug/kg	7300						
1912-24-9	Atrazine	E625	ug/kg	6.62						
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170						
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17						
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148						
206-44-0	Fluoranthene	E625	ug/kg	113						
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240						

				sys_loc_code:	B54		B55		B56	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B54 0-6		B55 0-6		B56 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/27/2009		07/08/2009		07/08/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
208-96-8	Acenaphthylene	E625	ug/kg	5.87						
218-01-9	Chrysene	E625	ug/kg	108						
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8						
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200						
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611						
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22						
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8						
58-90-2	Chlorophenols	E625	ug/kg	284						
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000						
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120						
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4						
67-72-1	Hexachloroethane	E625	ug/kg	804						
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL						
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139						
78-59-1	Isophorone	E625	ug/kg	511000						
83-32-9	Acenaphthene	E625	ug/kg	6.71						
84-66-2	Diethylphthalate	E625	ug/kg	218						
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160						
85-01-8	Phenanthrene	E625	ug/kg	86.7						
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800						
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100						
86-73-7	Fluorene	E625	ug/kg	19						
86-74-8	Carbazole	E625	ug/kg	NL						
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110						
87-86-5	Pentachlorophenol	E625	ug/kg	2970						
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650						
88-74-4	2-Nitroaniline	E625	ug/kg	60600						
88-75-5	2-Nitrophenol	E625	ug/kg	NL						
91-20-3	Naphthalene	E625	ug/kg	34.6						
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2						
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000						
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080						
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220						

				sys_loc_code:	B54		B55		B56		
				loc_name:	Area-06		Area-06		Area-06		
				sys_sample_code:	B54 0-6		B55 0-6		B56 0-6		
				depth:	0-6 in		0-6 in		0-6 in		
				sample_date:	07/27/2009		07/08/2009		07/08/2009		
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED							
95-48-7	2-Methylphenol	E625	ug/kg	306000							
95-57-8	2-Chlorophenol	E625	ug/kg	344							
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830							
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819							
98-86-2	Acetophenone	E625	ug/kg	782000							
98-95-3	Nitrobenzene	E625	ug/kg	4790							
99-09-2	3-Nitroaniline	E625	ug/kg	NL							

				sys_loc_code:	B58		B59		B60	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B58 0-6		B59 0-6		B60 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/27/2009		07/27/2009		07/27/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
7429-90-5	Aluminum	C200.7	mg/kg	7740						
7440-36-0	Antimony	C200.7	mg/kg	2						
7440-38-2	Arsenic	C200.7	mg/kg	0.389						
7440-39-3	Barium	C200.7	mg/kg	130.1						
7440-41-7	Beryllium	C200.7	mg/kg	15.6						
7440-43-9	Cadmium	C200.7	mg/kg	0.68						
7440-70-2	Calcium	C200.7	mg/kg	NL						
7440-47-3	Chromium	C200.7	mg/kg	52.3						
7440-48-4	Cobalt	C200.7	mg/kg	2.34						
7440-50-8	Copper	C200.7	mg/kg	18.7						
7439-89-6	Iron	C200.7	mg/kg	2000						
7439-92-1	Lead	C200.7	mg/kg	30.2						
7439-95-4	Magnesium	C200.7	mg/kg	NL						
7439-96-5	Manganese	C200.7	mg/kg	183						
7440-02-0	Nickel	C200.7	mg/kg	15.9						
7440-09-7	Potassium	C200.7	mg/kg	NL						
7782-49-2	Selenium	C200.7	mg/kg	2						
7440-22-4	Silver	C200.7	mg/kg	0.73						
7440-23-5	Sodium	C200.7	mg/kg	NL						
7440-28-0	Thallium	C200.7	mg/kg	100000						
7440-31-5	Tin	C200.7	mg/kg	NL						
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548						
7440-66-6	Zinc	C200.7	mg/kg	124						
7429-90-5	Aluminum	E200.7	mg/kg	7740						
7440-36-0	Antimony	E200.7	mg/kg	2						
7440-38-2	Arsenic	E200.7	mg/kg	0.389						
7440-70-2	Calcium	E200.7	mg/kg	NL						
7440-47-3	Chromium	E200.7	mg/kg	52.3						
7440-50-8	Copper	E200.7	mg/kg	18.7						
7439-89-6	Iron	E200.7	mg/kg	2000						
7439-92-1	Lead	E200.7	mg/kg	30.2						
7439-95-4	Magnesium	E200.7	mg/kg	NL						
7439-96-5	Manganese	E200.7	mg/kg	183						

				sys_loc_code:	B58		B59		B60		
				loc_name:	Area-06		Area-06		Area-06		
				sys_sample_code:	B58 0-6		B59 0-6		B60 0-6		
				depth:	0-6 in		0-6 in		0-6 in		
				sample_date:	07/27/2009		07/27/2009		07/27/2009		
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED							
7440-02-0	Nickel	E200.7	mg/kg	15.9							
7440-09-7	Potassium	E200.7	mg/kg	NL							
7440-22-4	Silver	E200.7	mg/kg	0.73							
7440-23-5	Sodium	E200.7	mg/kg	NL							
7440-31-5	Tin	E200.7	mg/kg	NL							
7440-66-6	Zinc	E200.7	mg/kg	124							
7440-36-0	Antimony	E200.8	mg/kg	2	1.2	U	1.2	U	1.3	U	
7440-38-2	Arsenic	E200.8	mg/kg	0.389	1		1.4		2.5		
7440-39-3	Barium	E200.8	mg/kg	130.1	1.9	J	2.7	J	2	J	
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.095	J	0.095	J	0.15	J	
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.1	J	0.085	J	0.14	J	
7440-47-3	Chromium	E200.8	mg/kg	52.3	3.6	J	3.9	J	4.8	J	
7440-48-4	Cobalt	E200.8	mg/kg	2.34	0.59	J	0.68		0.71		
7440-50-8	Copper	E200.8	mg/kg	18.7	5.3		5.6		11.2		
7439-92-1	Lead	E200.8	mg/kg	30.2	17.2	J	18.8	J	20.2	J	
7439-96-5	Manganese	E200.8	mg/kg	183	18.1		18.3		18.4		
7440-02-0	Nickel	E200.8	mg/kg	15.9	0.97		1.2		2.4		
7782-49-2	Selenium	E200.8	mg/kg	2	0.61	U	0.59	U	0.64	U	
7440-22-4	Silver	E200.8	mg/kg	0.73	0.3	UJ	0.3	UJ	0.32	UJ	
7440-28-0	Thallium	E200.8	mg/kg	100000	0.61	U	0.59	U	0.64	U	
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	6.9		8.3		9.9		
7440-66-6	Zinc	E200.8	mg/kg	124	21.2		21.7		25.7		
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.037	U	0.03	J	0.04		
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6							
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357							
309-00-2	Aldrin	CPEST	ug/kg	2							
319-84-6	Alpha-Bhc	CPEST	ug/kg	3							
319-85-7	Beta-Bhc	CPEST	ug/kg	3							
319-86-8	Delta-Bhc	CPEST	ug/kg	3							
33213-65-9	Endosulfan II	CPEST	ug/kg	14							
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19							
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7							
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7							

				sys_loc_code:	B58		B59		B60	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B58 0-6		B59 0-6		B60 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/27/2009		07/27/2009		07/27/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL						
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32						
60-57-1	Dieldrin	CPEST	ug/kg	0.72						
72-20-8	Endrin	CPEST	ug/kg	2.67						
72-43-5	Methoxychlor	CPEST	ug/kg	29.6						
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22						
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07						
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL						
76-44-8	Heptachlor	CPEST	ug/kg	68						
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1						
959-98-8	Endosulfan I	CPEST	ug/kg	2.9						
11096-82-5	Aroclor 1260	E608	ug/kg	21.6						
11097-69-1	Aroclor 1254	E608	ug/kg	23						
11100-14-4	Aroclor 1268	E608	ug/kg	21.6						
11104-28-2	Aroclor 1221	E608	ug/kg	21.6						
11141-16-5	Aroclor 1232	E608	ug/kg	21.6						
12672-29-6	Aroclor 1248	E608	ug/kg	21.6						
12674-11-2	Aroclor 1016	E608	ug/kg	21.6						
37324-23-5	Aroclor 1262	E608	ug/kg	21.6						
53469-21-9	Aroclor 1242	E608	ug/kg	21.6						
100-41-4	Ethylbenzene	E624	ug/kg	305						
100-42-5	Styrene	E624	ug/kg	7070						
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL						
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL						
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460						
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7						
107-06-2	1,2-Dichloroethane	E624	ug/kg	432						
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000						
108-87-2	Methylcyclohexane	E624	ug/kg	NL						
108-88-3	Toluene	E624	ug/kg	1090						
108-90-7	Chlorobenzene	E624	ug/kg	162						
110-82-7	Cyclohexane	E624	ug/kg	117000						
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473						

				sys_loc_code:	B58		B59		B60	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B58 0-6		B59 0-6		B60 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/27/2009		07/27/2009		07/27/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
123-91-1	1,4-Dioxane	E624	ug/kg	44100						
124-48-1	Dibromochloromethane	E624	ug/kg	680						
127-18-4	Tetrachloroethene	E624	ug/kg	190						
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200						
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300						
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300						
179601-23-1	m,p-Xylene	E624	ug/kg	NL						
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842						
56-23-5	Carbon tetrachloride	E624	ug/kg	248						
591-78-6	2-Hexanone	E624	ug/kg	20900						
67-64-1	Acetone	E624	ug/kg	6130000						
67-66-3	Chloroform	E624	ug/kg	295						
71-43-2	Benzene	E624	ug/kg	137						
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856						
74-83-9	Bromomethane	E624	ug/kg	732						
74-87-3	Chloromethane	E624	ug/kg	11900						
74-97-5	Bromochloromethane	E624	ug/kg	NL						
75-00-3	Chloroethane	E624	ug/kg	1450000						
75-01-4	Vinyl Chloride	E624	ug/kg	59.7						
75-09-2	Methylene chloride	E624	ug/kg	10700						
75-15-0	Carbon Disulfide	E624	ug/kg	0.851						
75-25-2	Bromoform	E624	ug/kg	1310						
75-27-4	Bromodichloromethane	E624	ug/kg	273						
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310						
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780						
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700						
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400						
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000						
78-87-5	1,2-Dichloropropane	E624	ug/kg	895						
78-93-3	2-Butanone	E624	ug/kg	2780000						
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570						
79-01-6	Trichloroethene	E624	ug/kg	1600						
79-20-9	Methyl Acetate	E624	ug/kg	7820000						

				sys_loc_code:	B58		B59		B60	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B58 0-6		B59 0-6		B60 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/27/2009		07/27/2009		07/27/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202						
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858						
95-47-6	o-Xylene	E624	ug/kg	NL						
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989						
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35						
98-82-8	Isopropylbenzene	E624	ug/kg	86						
100-01-6	4-Nitroaniline	E625	ug/kg	24300						
100-02-7	4-Nitrophenol	E625	ug/kg	NL						
100-52-7	Benzaldehyde	E625	ug/kg	782000						
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230						
105-60-2	Caprolactam	E625	ug/kg	3060000						
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29						
106-44-5	4-Methylphenol	E625	ug/kg	670						
106-47-8	4-Chloroaniline	E625	ug/kg	2430						
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570						
108-95-2	Phenol	E625	ug/kg	420						
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214						
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300						
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182						
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL						
118-74-1	Hexachlorobenzene	E625	ug/kg	20						
120-12-7	Anthracene	E625	ug/kg	46.9						
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117						
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6						
129-00-0	Pyrene	E625	ug/kg	153						
131-11-3	Dimethylphthalate	E625	ug/kg	NL						
132-64-9	Dibenzofuran	E625	ug/kg	7300						
1912-24-9	Atrazine	E625	ug/kg	6.62						
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170						
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17						
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148						
206-44-0	Fluoranthene	E625	ug/kg	113						
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240						

				sys_loc_code:	B58		B59		B60	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B58 0-6		B59 0-6		B60 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/27/2009		07/27/2009		07/27/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
208-96-8	Acenaphthylene	E625	ug/kg	5.87						
218-01-9	Chrysene	E625	ug/kg	108						
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8						
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200						
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611						
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22						
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8						
58-90-2	Chlorophenols	E625	ug/kg	284						
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000						
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120						
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4						
67-72-1	Hexachloroethane	E625	ug/kg	804						
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL						
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139						
78-59-1	Isophorone	E625	ug/kg	511000						
83-32-9	Acenaphthene	E625	ug/kg	6.71						
84-66-2	Diethylphthalate	E625	ug/kg	218						
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160						
85-01-8	Phenanthrene	E625	ug/kg	86.7						
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800						
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100						
86-73-7	Fluorene	E625	ug/kg	19						
86-74-8	Carbazole	E625	ug/kg	NL						
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110						
87-86-5	Pentachlorophenol	E625	ug/kg	2970						
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650						
88-74-4	2-Nitroaniline	E625	ug/kg	60600						
88-75-5	2-Nitrophenol	E625	ug/kg	NL						
91-20-3	Naphthalene	E625	ug/kg	34.6						
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2						
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000						
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080						
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220						

				sys_loc_code:	B58		B59		B60	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B58 0-6		B59 0-6		B60 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/27/2009		07/27/2009		07/27/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
95-48-7	2-Methylphenol	E625	ug/kg	306000						
95-57-8	2-Chlorophenol	E625	ug/kg	344						
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830						
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819						
98-86-2	Acetophenone	E625	ug/kg	782000						
98-95-3	Nitrobenzene	E625	ug/kg	4790						
99-09-2	3-Nitroaniline	E625	ug/kg	NL						

				sys_loc_code:	B61		B62		B63	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B61 0-6		B62 0-6		B63 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/27/2009		07/27/2009		07/27/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
7429-90-5	Aluminum	C200.7	mg/kg	7740						
7440-36-0	Antimony	C200.7	mg/kg	2						
7440-38-2	Arsenic	C200.7	mg/kg	0.389						
7440-39-3	Barium	C200.7	mg/kg	130.1						
7440-41-7	Beryllium	C200.7	mg/kg	15.6						
7440-43-9	Cadmium	C200.7	mg/kg	0.68						
7440-70-2	Calcium	C200.7	mg/kg	NL						
7440-47-3	Chromium	C200.7	mg/kg	52.3						
7440-48-4	Cobalt	C200.7	mg/kg	2.34						
7440-50-8	Copper	C200.7	mg/kg	18.7						
7439-89-6	Iron	C200.7	mg/kg	2000						
7439-92-1	Lead	C200.7	mg/kg	30.2						
7439-95-4	Magnesium	C200.7	mg/kg	NL						
7439-96-5	Manganese	C200.7	mg/kg	183						
7440-02-0	Nickel	C200.7	mg/kg	15.9						
7440-09-7	Potassium	C200.7	mg/kg	NL						
7782-49-2	Selenium	C200.7	mg/kg	2						
7440-22-4	Silver	C200.7	mg/kg	0.73						
7440-23-5	Sodium	C200.7	mg/kg	NL						
7440-28-0	Thallium	C200.7	mg/kg	100000						
7440-31-5	Tin	C200.7	mg/kg	NL						
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548						
7440-66-6	Zinc	C200.7	mg/kg	124						
7429-90-5	Aluminum	E200.7	mg/kg	7740						
7440-36-0	Antimony	E200.7	mg/kg	2						
7440-38-2	Arsenic	E200.7	mg/kg	0.389						
7440-70-2	Calcium	E200.7	mg/kg	NL						
7440-47-3	Chromium	E200.7	mg/kg	52.3						
7440-50-8	Copper	E200.7	mg/kg	18.7						
7439-89-6	Iron	E200.7	mg/kg	2000						
7439-92-1	Lead	E200.7	mg/kg	30.2						
7439-95-4	Magnesium	E200.7	mg/kg	NL						
7439-96-5	Manganese	E200.7	mg/kg	183						

				sys_loc_code:	B61		B62		B63	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B61 0-6		B62 0-6		B63 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/27/2009		07/27/2009		07/27/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
7440-02-0	Nickel	E200.7	mg/kg	15.9						
7440-09-7	Potassium	E200.7	mg/kg	NL						
7440-22-4	Silver	E200.7	mg/kg	0.73						
7440-23-5	Sodium	E200.7	mg/kg	NL						
7440-31-5	Tin	E200.7	mg/kg	NL						
7440-66-6	Zinc	E200.7	mg/kg	124						
7440-36-0	Antimony	E200.8	mg/kg	2	1.3	U	1.2	U	1.3	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389	1.7	J	1.7	J	1.6	
7440-39-3	Barium	E200.8	mg/kg	130.1	3.2	J	1.9	J	3	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.13	J	0.12	J	0.11	J
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.065	J	0.022	J	0.12	J
7440-47-3	Chromium	E200.8	mg/kg	52.3	4.3	J	4.6	J	4.3	J
7440-48-4	Cobalt	E200.8	mg/kg	2.34	0.75	J	0.74	J	0.69	J
7440-50-8	Copper	E200.8	mg/kg	18.7	4.7	J	2.5	J	6.6	J
7439-92-1	Lead	E200.8	mg/kg	30.2	17.8	J	7.7	J	20.7	J
7439-96-5	Manganese	E200.8	mg/kg	183	20.9	J	15.8	J	16.6	J
7440-02-0	Nickel	E200.8	mg/kg	15.9	1.3	J	1.6	J	1.5	
7782-49-2	Selenium	E200.8	mg/kg	2	0.64	U	0.59	U	0.096	J
7440-22-4	Silver	E200.8	mg/kg	0.73	0.32	UJ	0.3	UJ	0.1	J
7440-28-0	Thallium	E200.8	mg/kg	100000	0.64	U	0.59	U	0.63	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	8.6	J	8.4	J	7.8	J
7440-66-6	Zinc	E200.8	mg/kg	124	22.8	J	14.2	J	24.2	
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.037	U	0.036	U	0.037	U
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6					2.2	U
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357					4.3	U
309-00-2	Aldrin	CPEST	ug/kg	2					2.2	U
319-84-6	Alpha-Bhc	CPEST	ug/kg	3					2.2	U
319-85-7	Beta-Bhc	CPEST	ug/kg	3					0.11	J
319-86-8	Delta-Bhc	CPEST	ug/kg	3					2.2	U
33213-65-9	Endosulfan II	CPEST	ug/kg	14					4.3	U
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19					4.3	UJ
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7					2.2	U
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7					2.2	U

				sys_loc_code:	B61		B62		B63	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B61 0-6		B62 0-6		B63 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/27/2009		07/27/2009		07/27/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL					0.11	J
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32					2.2	U
60-57-1	Dieldrin	CPEST	ug/kg	0.72					4.3	U
72-20-8	Endrin	CPEST	ug/kg	2.67					0.11	J
72-43-5	Methoxychlor	CPEST	ug/kg	29.6					22	U
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22					4.3	U
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07					4.3	U
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL					4.3	U
76-44-8	Heptachlor	CPEST	ug/kg	68					2.2	U
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1					220	U
959-98-8	Endosulfan I	CPEST	ug/kg	2.9					2.2	U
11096-82-5	Aroclor 1260	E608	ug/kg	21.6					43	U
11097-69-1	Aroclor 1254	E608	ug/kg	23					43	U
11100-14-4	Aroclor 1268	E608	ug/kg	21.6					43	U
11104-28-2	Aroclor 1221	E608	ug/kg	21.6					43	U
11141-16-5	Aroclor 1232	E608	ug/kg	21.6					43	U
12672-29-6	Aroclor 1248	E608	ug/kg	21.6					43	U
12674-11-2	Aroclor 1016	E608	ug/kg	21.6					43	U
37324-23-5	Aroclor 1262	E608	ug/kg	21.6					43	U
53469-21-9	Aroclor 1242	E608	ug/kg	21.6					43	U
100-41-4	Ethylbenzene	E624	ug/kg	305					6.1	U
100-42-5	Styrene	E624	ug/kg	7070					6.1	U
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL					6.1	U
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL					6.1	U
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460					6.1	U
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7					6.1	U
107-06-2	1,2-Dichloroethane	E624	ug/kg	432					6.1	U
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000					12	U
108-87-2	Methylcyclohexane	E624	ug/kg	NL					6.1	U
108-88-3	Toluene	E624	ug/kg	1090					6.1	U
108-90-7	Chlorobenzene	E624	ug/kg	162					0.73	J
110-82-7	Cyclohexane	E624	ug/kg	117000					6.1	U
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473					6.1	U

				sys_loc_code:	B61		B62		B63	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B61 0-6		B62 0-6		B63 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/27/2009		07/27/2009		07/27/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
123-91-1	1,4-Dioxane	E624	ug/kg	44100					120	R
124-48-1	Dibromochloromethane	E624	ug/kg	680					6.1	U
127-18-4	Tetrachloroethene	E624	ug/kg	190					6.1	U
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200					6.1	U
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300					6.1	U
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300					6.1	U
179601-23-1	m,p-Xylene	E624	ug/kg	NL					6.1	U
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842					6.1	U
56-23-5	Carbon tetrachloride	E624	ug/kg	248					6.1	U
591-78-6	2-Hexanone	E624	ug/kg	20900					12	U
67-64-1	Acetone	E624	ug/kg	6130000					8.2	J
67-66-3	Chloroform	E624	ug/kg	295					6.1	U
71-43-2	Benzene	E624	ug/kg	137					6.1	U
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856					6.1	U
74-83-9	Bromomethane	E624	ug/kg	732					6.1	U
74-87-3	Chloromethane	E624	ug/kg	11900					6.1	U
74-97-5	Bromochloromethane	E624	ug/kg	NL					6.1	U
75-00-3	Chloroethane	E624	ug/kg	1450000					6.1	U
75-01-4	Vinyl Chloride	E624	ug/kg	59.7					6.1	U
75-09-2	Methylene chloride	E624	ug/kg	10700					6.1	U
75-15-0	Carbon Disulfide	E624	ug/kg	0.851					0.58	J
75-25-2	Bromoform	E624	ug/kg	1310					6.1	U
75-27-4	Bromodichloromethane	E624	ug/kg	273					6.1	U
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310					6.1	U
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780					6.1	U
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700					6.1	U
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400					6.1	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000					6.1	U
78-87-5	1,2-Dichloropropane	E624	ug/kg	895					6.1	U
78-93-3	2-Butanone	E624	ug/kg	2780000					12	U
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570					6.1	U
79-01-6	Trichloroethene	E624	ug/kg	1600					6.1	U
79-20-9	Methyl Acetate	E624	ug/kg	7820000					6.1	U

				sys_loc_code:	B61		B62		B63	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B61 0-6		B62 0-6		B63 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/27/2009		07/27/2009		07/27/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202					6.1	U
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858					6.1	U
95-47-6	o-Xylene	E624	ug/kg	NL					6.1	U
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989					6.1	U
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35					6.1	U
98-82-8	Isopropylbenzene	E624	ug/kg	86					6.1	U
100-01-6	4-Nitroaniline	E625	ug/kg	24300					430	U
100-02-7	4-Nitrophenol	E625	ug/kg	NL					430	U
100-52-7	Benzaldehyde	E625	ug/kg	782000					56	J
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230					220	U
105-60-2	Caprolactam	E625	ug/kg	3060000					220	U
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29					220	U
106-44-5	4-Methylphenol	E625	ug/kg	670					220	U
106-47-8	4-Chloroaniline	E625	ug/kg	2430					220	U
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570					220	U
108-95-2	Phenol	E625	ug/kg	420					40	J
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214					220	U
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300					220	U
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182					22	J
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL					220	U
118-74-1	Hexachlorobenzene	E625	ug/kg	20					220	U
120-12-7	Anthracene	E625	ug/kg	46.9					220	U
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117					220	U
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6					220	U
129-00-0	Pyrene	E625	ug/kg	153					9.1	J
131-11-3	Dimethylphthalate	E625	ug/kg	NL					220	U
132-64-9	Dibenzofuran	E625	ug/kg	7300					220	U
1912-24-9	Atrazine	E625	ug/kg	6.62					220	U
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170					220	U
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17					220	U
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148					220	U
206-44-0	Fluoranthene	E625	ug/kg	113					220	U
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240					220	U

				sys_loc_code:	B61		B62		B63	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B61 0-6		B62 0-6		B63 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/27/2009		07/27/2009		07/27/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
208-96-8	Acenaphthylene	E625	ug/kg	5.87					220	U
218-01-9	Chrysene	E625	ug/kg	108					220	U
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8					220	U
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200					430	U
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611					430	U
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22					220	U
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8					220	U
58-90-2	Chlorophenols	E625	ug/kg	284					220	U
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000					220	U
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120					220	U
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4					220	U
67-72-1	Hexachloroethane	E625	ug/kg	804					220	U
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL					220	U
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139					220	U
78-59-1	Isophorone	E625	ug/kg	511000					220	U
83-32-9	Acenaphthene	E625	ug/kg	6.71					220	U
84-66-2	Diethylphthalate	E625	ug/kg	218					220	U
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160					8.2	J
85-01-8	Phenanthrene	E625	ug/kg	86.7					220	U
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800					220	U
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100					220	U
86-73-7	Fluorene	E625	ug/kg	19					220	U
86-74-8	Carbazole	E625	ug/kg	NL					220	U
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110					220	U
87-86-5	Pentachlorophenol	E625	ug/kg	2970					430	U
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650					220	U
88-74-4	2-Nitroaniline	E625	ug/kg	60600					430	U
88-75-5	2-Nitrophenol	E625	ug/kg	NL					220	U
91-20-3	Naphthalene	E625	ug/kg	34.6					220	U
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2					220	U
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000					220	U
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080					220	U
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220					220	U

				sys_loc_code:	B61		B62		B63	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B61 0-6		B62 0-6		B63 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/27/2009		07/27/2009		07/27/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
95-48-7	2-Methylphenol	E625	ug/kg	306000					220	U
95-57-8	2-Chlorophenol	E625	ug/kg	344					220	U
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830					220	U
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819					220	U
98-86-2	Acetophenone	E625	ug/kg	782000					41	J
98-95-3	Nitrobenzene	E625	ug/kg	4790					220	U
99-09-2	3-Nitroaniline	E625	ug/kg	NL					430	U

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				sys_loc_code:	B26		B27		B28	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B26 0-12		B27 0-12		B28 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/09/2009		07/09/2009		07/08/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
7429-90-5	Aluminum	C200.7	mg/kg	7740						
7440-36-0	Antimony	C200.7	mg/kg	2						
7440-38-2	Arsenic	C200.7	mg/kg	0.389						
7440-39-3	Barium	C200.7	mg/kg	130.1						
7440-41-7	Beryllium	C200.7	mg/kg	15.6						
7440-43-9	Cadmium	C200.7	mg/kg	0.68						
7440-70-2	Calcium	C200.7	mg/kg	NL						
7440-47-3	Chromium	C200.7	mg/kg	52.3						
7440-48-4	Cobalt	C200.7	mg/kg	2.34						
7440-50-8	Copper	C200.7	mg/kg	18.7						
7439-89-6	Iron	C200.7	mg/kg	2000						
7439-92-1	Lead	C200.7	mg/kg	30.2						
7439-95-4	Magnesium	C200.7	mg/kg	NL						
7439-96-5	Manganese	C200.7	mg/kg	183						
7440-02-0	Nickel	C200.7	mg/kg	15.9						
7440-09-7	Potassium	C200.7	mg/kg	NL						
7782-49-2	Selenium	C200.7	mg/kg	2						
7440-22-4	Silver	C200.7	mg/kg	0.73						
7440-23-5	Sodium	C200.7	mg/kg	NL						
7440-28-0	Thallium	C200.7	mg/kg	100000						
7440-31-5	Tin	C200.7	mg/kg	NL						
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548						
7440-66-6	Zinc	C200.7	mg/kg	124						
7429-90-5	Aluminum	E200.7	mg/kg	7740	1230		396	J		
7440-36-0	Antimony	E200.7	mg/kg	2						
7440-38-2	Arsenic	E200.7	mg/kg	0.389	3.2	J	1.3			
7440-70-2	Calcium	E200.7	mg/kg	NL	2470		3250			
7440-47-3	Chromium	E200.7	mg/kg	52.3						
7440-50-8	Copper	E200.7	mg/kg	18.7	8.2	J	2.9			
7439-89-6	Iron	E200.7	mg/kg	2000	6280	J	3030	J		
7439-92-1	Lead	E200.7	mg/kg	30.2	42.1	J	11.2	J		
7439-95-4	Magnesium	E200.7	mg/kg	NL	652	J	338	J		
7439-96-5	Manganese	E200.7	mg/kg	183	31.8		30.1			

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				sys_loc_code:	B26		B27		B28		
				loc_name:	Area-06		Area-06		Area-06		
				sys_sample_code:	B26 0-12		B27 0-12		B28 0-12		
				depth:	0-12 in		0-12 in		0-12 in		
				sample_date:	07/09/2009		07/09/2009		07/08/2009		
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED							
7440-02-0	Nickel	E200.7	mg/kg	15.9							
7440-09-7	Potassium	E200.7	mg/kg	NL	379	J	135	J			
7440-22-4	Silver	E200.7	mg/kg	0.73							
7440-23-5	Sodium	E200.7	mg/kg	NL	1930	J	1550	J			
7440-31-5	Tin	E200.7	mg/kg	NL							
7440-66-6	Zinc	E200.7	mg/kg	124	39.3	J	12.5				
7440-36-0	Antimony	E200.8	mg/kg	2	1.7				1.3	U	
7440-38-2	Arsenic	E200.8	mg/kg	0.389					2.1		
7440-39-3	Barium	E200.8	mg/kg	130.1	5.1	J			3.5	J	
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.3	U			0.64		
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.3	U			0.034	J	
7440-47-3	Chromium	E200.8	mg/kg	52.3	5.7	J			13		
7440-48-4	Cobalt	E200.8	mg/kg	2.34	0.94	J			0.97		
7440-50-8	Copper	E200.8	mg/kg	18.7					2.6		
7439-92-1	Lead	E200.8	mg/kg	30.2					6.6		
7439-96-5	Manganese	E200.8	mg/kg	183					17.7		
7440-02-0	Nickel	E200.8	mg/kg	15.9	2.3	J			1.5		
7782-49-2	Selenium	E200.8	mg/kg	2	0.24	J			0.65	U	
7440-22-4	Silver	E200.8	mg/kg	0.73	0.3	UJ			0.32	U	
7440-28-0	Thallium	E200.8	mg/kg	100000	0.6	U			0.65	U	
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	10.8	J			20.2	J	
7440-66-6	Zinc	E200.8	mg/kg	124					2.4	R	
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.043				0.039	U	
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6							
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357							
309-00-2	Aldrin	CPEST	ug/kg	2							
319-84-6	Alpha-Bhc	CPEST	ug/kg	3							
319-85-7	Beta-Bhc	CPEST	ug/kg	3							
319-86-8	Delta-Bhc	CPEST	ug/kg	3							
33213-65-9	Endosulfan II	CPEST	ug/kg	14							
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19							
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7							
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7							

				sys_loc_code:	B26		B27		B28	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B26 0-12		B27 0-12		B28 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/09/2009		07/09/2009		07/08/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL						
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32						
60-57-1	Dieldrin	CPEST	ug/kg	0.72						
72-20-8	Endrin	CPEST	ug/kg	2.67						
72-43-5	Methoxychlor	CPEST	ug/kg	29.6						
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22						
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07						
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL						
76-44-8	Heptachlor	CPEST	ug/kg	68						
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1						
959-98-8	Endosulfan I	CPEST	ug/kg	2.9						
11096-82-5	Aroclor 1260	E608	ug/kg	21.6						
11097-69-1	Aroclor 1254	E608	ug/kg	23						
11100-14-4	Aroclor 1268	E608	ug/kg	21.6						
11104-28-2	Aroclor 1221	E608	ug/kg	21.6						
11141-16-5	Aroclor 1232	E608	ug/kg	21.6						
12672-29-6	Aroclor 1248	E608	ug/kg	21.6						
12674-11-2	Aroclor 1016	E608	ug/kg	21.6						
37324-23-5	Aroclor 1262	E608	ug/kg	21.6						
53469-21-9	Aroclor 1242	E608	ug/kg	21.6						
100-41-4	Ethylbenzene	E624	ug/kg	305						
100-42-5	Styrene	E624	ug/kg	7070						
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL						
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL						
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460						
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7						
107-06-2	1,2-Dichloroethane	E624	ug/kg	432						
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000						
108-87-2	Methylcyclohexane	E624	ug/kg	NL						
108-88-3	Toluene	E624	ug/kg	1090						
108-90-7	Chlorobenzene	E624	ug/kg	162						
110-82-7	Cyclohexane	E624	ug/kg	117000						
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473						

				sys_loc_code:	B26		B27		B28	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B26 0-12		B27 0-12		B28 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/09/2009		07/09/2009		07/08/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
123-91-1	1,4-Dioxane	E624	ug/kg	44100						
124-48-1	Dibromochloromethane	E624	ug/kg	680						
127-18-4	Tetrachloroethene	E624	ug/kg	190						
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200						
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300						
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300						
179601-23-1	m,p-Xylene	E624	ug/kg	NL						
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842						
56-23-5	Carbon tetrachloride	E624	ug/kg	248						
591-78-6	2-Hexanone	E624	ug/kg	20900						
67-64-1	Acetone	E624	ug/kg	6130000						
67-66-3	Chloroform	E624	ug/kg	295						
71-43-2	Benzene	E624	ug/kg	137						
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856						
74-83-9	Bromomethane	E624	ug/kg	732						
74-87-3	Chloromethane	E624	ug/kg	11900						
74-97-5	Bromochloromethane	E624	ug/kg	NL						
75-00-3	Chloroethane	E624	ug/kg	1450000						
75-01-4	Vinyl Chloride	E624	ug/kg	59.7						
75-09-2	Methylene chloride	E624	ug/kg	10700						
75-15-0	Carbon Disulfide	E624	ug/kg	0.851						
75-25-2	Bromoform	E624	ug/kg	1310						
75-27-4	Bromodichloromethane	E624	ug/kg	273						
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310						
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780						
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700						
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400						
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000						
78-87-5	1,2-Dichloropropane	E624	ug/kg	895						
78-93-3	2-Butanone	E624	ug/kg	2780000						
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570						
79-01-6	Trichloroethene	E624	ug/kg	1600						
79-20-9	Methyl Acetate	E624	ug/kg	7820000						

				sys_loc_code:	B26		B27		B28	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B26 0-12		B27 0-12		B28 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/09/2009		07/09/2009		07/08/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202						
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858						
95-47-6	o-Xylene	E624	ug/kg	NL						
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989						
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35						
98-82-8	Isopropylbenzene	E624	ug/kg	86						
100-01-6	4-Nitroaniline	E625	ug/kg	24300						
100-02-7	4-Nitrophenol	E625	ug/kg	NL						
100-52-7	Benzaldehyde	E625	ug/kg	782000						
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230						
105-60-2	Caprolactam	E625	ug/kg	3060000						
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29						
106-44-5	4-Methylphenol	E625	ug/kg	670						
106-47-8	4-Chloroaniline	E625	ug/kg	2430						
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570						
108-95-2	Phenol	E625	ug/kg	420						
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214						
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300						
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182						
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL						
118-74-1	Hexachlorobenzene	E625	ug/kg	20						
120-12-7	Anthracene	E625	ug/kg	46.9						
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117						
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6						
129-00-0	Pyrene	E625	ug/kg	153						
131-11-3	Dimethylphthalate	E625	ug/kg	NL						
132-64-9	Dibenzofuran	E625	ug/kg	7300						
1912-24-9	Atrazine	E625	ug/kg	6.62						
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170						
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17						
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148						
206-44-0	Fluoranthene	E625	ug/kg	113						
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240						

				sys_loc_code:	B26		B27		B28	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B26 0-12		B27 0-12		B28 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/09/2009		07/09/2009		07/08/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
208-96-8	Acenaphthylene	E625	ug/kg	5.87						
218-01-9	Chrysene	E625	ug/kg	108						
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8						
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200						
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611						
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22						
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8						
58-90-2	Chlorophenols	E625	ug/kg	284						
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000						
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120						
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4						
67-72-1	Hexachloroethane	E625	ug/kg	804						
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL						
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139						
78-59-1	Isophorone	E625	ug/kg	511000						
83-32-9	Acenaphthene	E625	ug/kg	6.71						
84-66-2	Diethylphthalate	E625	ug/kg	218						
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160						
85-01-8	Phenanthrene	E625	ug/kg	86.7						
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800						
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100						
86-73-7	Fluorene	E625	ug/kg	19						
86-74-8	Carbazole	E625	ug/kg	NL						
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110						
87-86-5	Pentachlorophenol	E625	ug/kg	2970						
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650						
88-74-4	2-Nitroaniline	E625	ug/kg	60600						
88-75-5	2-Nitrophenol	E625	ug/kg	NL						
91-20-3	Naphthalene	E625	ug/kg	34.6						
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2						
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000						
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080						
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220						

				sys_loc_code:	B26		B27		B28	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B26 0-12		B27 0-12		B28 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/09/2009		07/09/2009		07/08/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
95-48-7	2-Methylphenol	E625	ug/kg	306000						
95-57-8	2-Chlorophenol	E625	ug/kg	344						
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830						
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819						
98-86-2	Acetophenone	E625	ug/kg	782000						
98-95-3	Nitrobenzene	E625	ug/kg	4790						
99-09-2	3-Nitroaniline	E625	ug/kg	NL						

				sys_loc_code:	B30		B30		B31		
				loc_name:	Area-06		Area-06		Area-06		
				sys_sample_code:	B30 0-12		Z30 0-12		B31 0-12		
				depth:	0-12 in		0-12 in		0-12 in		
				sample_date:	07/23/2009		07/23/2009		07/23/2009		
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED							
7429-90-5	Aluminum	C200.7	mg/kg	7740							
7440-36-0	Antimony	C200.7	mg/kg	2							
7440-38-2	Arsenic	C200.7	mg/kg	0.389							
7440-39-3	Barium	C200.7	mg/kg	130.1							
7440-41-7	Beryllium	C200.7	mg/kg	15.6							
7440-43-9	Cadmium	C200.7	mg/kg	0.68							
7440-70-2	Calcium	C200.7	mg/kg	NL							
7440-47-3	Chromium	C200.7	mg/kg	52.3							
7440-48-4	Cobalt	C200.7	mg/kg	2.34							
7440-50-8	Copper	C200.7	mg/kg	18.7							
7439-89-6	Iron	C200.7	mg/kg	2000							
7439-92-1	Lead	C200.7	mg/kg	30.2							
7439-95-4	Magnesium	C200.7	mg/kg	NL							
7439-96-5	Manganese	C200.7	mg/kg	183							
7440-02-0	Nickel	C200.7	mg/kg	15.9							
7440-09-7	Potassium	C200.7	mg/kg	NL							
7782-49-2	Selenium	C200.7	mg/kg	2							
7440-22-4	Silver	C200.7	mg/kg	0.73							
7440-23-5	Sodium	C200.7	mg/kg	NL							
7440-28-0	Thallium	C200.7	mg/kg	100000							
7440-31-5	Tin	C200.7	mg/kg	NL							
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548							
7440-66-6	Zinc	C200.7	mg/kg	124							
7429-90-5	Aluminum	E200.7	mg/kg	7740	2290	J	2240		2060	J	
7440-36-0	Antimony	E200.7	mg/kg	2							
7440-38-2	Arsenic	E200.7	mg/kg	0.389							
7440-70-2	Calcium	E200.7	mg/kg	NL	1310		465	J	410	J	
7440-47-3	Chromium	E200.7	mg/kg	52.3							
7440-50-8	Copper	E200.7	mg/kg	18.7							
7439-89-6	Iron	E200.7	mg/kg	2000	7730		7730		6270		
7439-92-1	Lead	E200.7	mg/kg	30.2							
7439-95-4	Magnesium	E200.7	mg/kg	NL	879		817		743		
7439-96-5	Manganese	E200.7	mg/kg	183							

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				sys_loc_code:	B30		B30		B31	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B30 0-12		Z30 0-12		B31 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/23/2009		07/23/2009		07/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
7440-02-0	Nickel	E200.7	mg/kg	15.9						
7440-09-7	Potassium	E200.7	mg/kg	NL	629	U	549	J	634	U
7440-22-4	Silver	E200.7	mg/kg	0.73						
7440-23-5	Sodium	E200.7	mg/kg	NL	2130		2010		1910	
7440-31-5	Tin	E200.7	mg/kg	NL						
7440-66-6	Zinc	E200.7	mg/kg	124						
7440-36-0	Antimony	E200.8	mg/kg	2	1.3	UJ			1.3	UJ
7440-38-2	Arsenic	E200.8	mg/kg	0.389	5.8				5.6	
7440-39-3	Barium	E200.8	mg/kg	130.1	6.3	UJ			7.2	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.31	U			0.32	U
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.31	U			0.32	U
7440-47-3	Chromium	E200.8	mg/kg	52.3	10.3				11.5	
7440-48-4	Cobalt	E200.8	mg/kg	2.34	1.3				1.1	
7440-50-8	Copper	E200.8	mg/kg	18.7	11.1				11.6	
7439-92-1	Lead	E200.8	mg/kg	30.2	18.4				17.5	
7439-96-5	Manganese	E200.8	mg/kg	183	32.9				39.7	
7440-02-0	Nickel	E200.8	mg/kg	15.9	4.2	J			3.4	J
7782-49-2	Selenium	E200.8	mg/kg	2	0.45	J			0.43	J
7440-22-4	Silver	E200.8	mg/kg	0.73	0.31	U			0.32	U
7440-28-0	Thallium	E200.8	mg/kg	100000	0.63	U			0.63	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	14.7	J			15.3	J
7440-66-6	Zinc	E200.8	mg/kg	124	29.7				29.9	
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.097				0.11	
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6						
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357						
309-00-2	Aldrin	CPEST	ug/kg	2						
319-84-6	Alpha-Bhc	CPEST	ug/kg	3						
319-85-7	Beta-Bhc	CPEST	ug/kg	3						
319-86-8	Delta-Bhc	CPEST	ug/kg	3						
33213-65-9	Endosulfan II	CPEST	ug/kg	14						
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19						
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7						
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7						

				sys_loc_code:	B30		B30		B31	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B30 0-12		Z30 0-12		B31 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/23/2009		07/23/2009		07/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL						
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32						
60-57-1	Dieldrin	CPEST	ug/kg	0.72						
72-20-8	Endrin	CPEST	ug/kg	2.67						
72-43-5	Methoxychlor	CPEST	ug/kg	29.6						
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22						
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07						
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL						
76-44-8	Heptachlor	CPEST	ug/kg	68						
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1						
959-98-8	Endosulfan I	CPEST	ug/kg	2.9						
11096-82-5	Aroclor 1260	E608	ug/kg	21.6						
11097-69-1	Aroclor 1254	E608	ug/kg	23						
11100-14-4	Aroclor 1268	E608	ug/kg	21.6						
11104-28-2	Aroclor 1221	E608	ug/kg	21.6						
11141-16-5	Aroclor 1232	E608	ug/kg	21.6						
12672-29-6	Aroclor 1248	E608	ug/kg	21.6						
12674-11-2	Aroclor 1016	E608	ug/kg	21.6						
37324-23-5	Aroclor 1262	E608	ug/kg	21.6						
53469-21-9	Aroclor 1242	E608	ug/kg	21.6						
100-41-4	Ethylbenzene	E624	ug/kg	305						
100-42-5	Styrene	E624	ug/kg	7070						
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL						
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL						
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460						
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7						
107-06-2	1,2-Dichloroethane	E624	ug/kg	432						
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000						
108-87-2	Methylcyclohexane	E624	ug/kg	NL						
108-88-3	Toluene	E624	ug/kg	1090						
108-90-7	Chlorobenzene	E624	ug/kg	162						
110-82-7	Cyclohexane	E624	ug/kg	117000						
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473						

				sys_loc_code:	B30		B30		B31	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B30 0-12		Z30 0-12		B31 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/23/2009		07/23/2009		07/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
123-91-1	1,4-Dioxane	E624	ug/kg	44100						
124-48-1	Dibromochloromethane	E624	ug/kg	680						
127-18-4	Tetrachloroethene	E624	ug/kg	190						
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200						
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300						
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300						
179601-23-1	m,p-Xylene	E624	ug/kg	NL						
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842						
56-23-5	Carbon tetrachloride	E624	ug/kg	248						
591-78-6	2-Hexanone	E624	ug/kg	20900						
67-64-1	Acetone	E624	ug/kg	6130000						
67-66-3	Chloroform	E624	ug/kg	295						
71-43-2	Benzene	E624	ug/kg	137						
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856						
74-83-9	Bromomethane	E624	ug/kg	732						
74-87-3	Chloromethane	E624	ug/kg	11900						
74-97-5	Bromochloromethane	E624	ug/kg	NL						
75-00-3	Chloroethane	E624	ug/kg	1450000						
75-01-4	Vinyl Chloride	E624	ug/kg	59.7						
75-09-2	Methylene chloride	E624	ug/kg	10700						
75-15-0	Carbon Disulfide	E624	ug/kg	0.851						
75-25-2	Bromoform	E624	ug/kg	1310						
75-27-4	Bromodichloromethane	E624	ug/kg	273						
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310						
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780						
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700						
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400						
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000						
78-87-5	1,2-Dichloropropane	E624	ug/kg	895						
78-93-3	2-Butanone	E624	ug/kg	2780000						
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570						
79-01-6	Trichloroethene	E624	ug/kg	1600						
79-20-9	Methyl Acetate	E624	ug/kg	7820000						

				sys_loc_code:	B30		B30		B31	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B30 0-12		Z30 0-12		B31 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/23/2009		07/23/2009		07/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202						
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858						
95-47-6	o-Xylene	E624	ug/kg	NL						
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989						
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35						
98-82-8	Isopropylbenzene	E624	ug/kg	86						
100-01-6	4-Nitroaniline	E625	ug/kg	24300						
100-02-7	4-Nitrophenol	E625	ug/kg	NL						
100-52-7	Benzaldehyde	E625	ug/kg	782000						
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230						
105-60-2	Caprolactam	E625	ug/kg	3060000						
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29						
106-44-5	4-Methylphenol	E625	ug/kg	670						
106-47-8	4-Chloroaniline	E625	ug/kg	2430						
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570						
108-95-2	Phenol	E625	ug/kg	420						
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214						
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300						
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182						
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL						
118-74-1	Hexachlorobenzene	E625	ug/kg	20						
120-12-7	Anthracene	E625	ug/kg	46.9						
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117						
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6						
129-00-0	Pyrene	E625	ug/kg	153						
131-11-3	Dimethylphthalate	E625	ug/kg	NL						
132-64-9	Dibenzofuran	E625	ug/kg	7300						
1912-24-9	Atrazine	E625	ug/kg	6.62						
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170						
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17						
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148						
206-44-0	Fluoranthene	E625	ug/kg	113						
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240						

				sys_loc_code:	B30		B30		B31	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B30 0-12		Z30 0-12		B31 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/23/2009		07/23/2009		07/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
208-96-8	Acenaphthylene	E625	ug/kg	5.87						
218-01-9	Chrysene	E625	ug/kg	108						
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8						
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200						
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611						
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22						
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8						
58-90-2	Chlorophenols	E625	ug/kg	284						
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000						
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120						
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4						
67-72-1	Hexachloroethane	E625	ug/kg	804						
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL						
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139						
78-59-1	Isophorone	E625	ug/kg	511000						
83-32-9	Acenaphthene	E625	ug/kg	6.71						
84-66-2	Diethylphthalate	E625	ug/kg	218						
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160						
85-01-8	Phenanthrene	E625	ug/kg	86.7						
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800						
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100						
86-73-7	Fluorene	E625	ug/kg	19						
86-74-8	Carbazole	E625	ug/kg	NL						
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110						
87-86-5	Pentachlorophenol	E625	ug/kg	2970						
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650						
88-74-4	2-Nitroaniline	E625	ug/kg	60600						
88-75-5	2-Nitrophenol	E625	ug/kg	NL						
91-20-3	Naphthalene	E625	ug/kg	34.6						
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2						
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000						
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080						
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220						

				sys_loc_code:	B30		B30		B31	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B30 0-12		Z30 0-12		B31 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/23/2009		07/23/2009		07/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
95-48-7	2-Methylphenol	E625	ug/kg	306000						
95-57-8	2-Chlorophenol	E625	ug/kg	344						
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830						
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819						
98-86-2	Acetophenone	E625	ug/kg	782000						
98-95-3	Nitrobenzene	E625	ug/kg	4790						
99-09-2	3-Nitroaniline	E625	ug/kg	NL						

				sys_loc_code:	B32		B33		B34	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B32 0-12		B33 0-12		B34 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/09/2009		07/27/2009		07/08/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
7429-90-5	Aluminum	C200.7	mg/kg	7740						
7440-36-0	Antimony	C200.7	mg/kg	2						
7440-38-2	Arsenic	C200.7	mg/kg	0.389						
7440-39-3	Barium	C200.7	mg/kg	130.1						
7440-41-7	Beryllium	C200.7	mg/kg	15.6						
7440-43-9	Cadmium	C200.7	mg/kg	0.68						
7440-70-2	Calcium	C200.7	mg/kg	NL						
7440-47-3	Chromium	C200.7	mg/kg	52.3						
7440-48-4	Cobalt	C200.7	mg/kg	2.34						
7440-50-8	Copper	C200.7	mg/kg	18.7						
7439-89-6	Iron	C200.7	mg/kg	2000						
7439-92-1	Lead	C200.7	mg/kg	30.2						
7439-95-4	Magnesium	C200.7	mg/kg	NL						
7439-96-5	Manganese	C200.7	mg/kg	183						
7440-02-0	Nickel	C200.7	mg/kg	15.9						
7440-09-7	Potassium	C200.7	mg/kg	NL						
7782-49-2	Selenium	C200.7	mg/kg	2						
7440-22-4	Silver	C200.7	mg/kg	0.73						
7440-23-5	Sodium	C200.7	mg/kg	NL						
7440-28-0	Thallium	C200.7	mg/kg	100000						
7440-31-5	Tin	C200.7	mg/kg	NL						
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548						
7440-66-6	Zinc	C200.7	mg/kg	124						
7429-90-5	Aluminum	E200.7	mg/kg	7740	768	J			1710	
7440-36-0	Antimony	E200.7	mg/kg	2						
7440-38-2	Arsenic	E200.7	mg/kg	0.389	6.7					
7440-70-2	Calcium	E200.7	mg/kg	NL	2240				523	J
7440-47-3	Chromium	E200.7	mg/kg	52.3						
7440-50-8	Copper	E200.7	mg/kg	18.7	9.6					
7439-89-6	Iron	E200.7	mg/kg	2000	5680	J			8360	
7439-92-1	Lead	E200.7	mg/kg	30.2	13.7	J				
7439-95-4	Magnesium	E200.7	mg/kg	NL	398	J			534	
7439-96-5	Manganese	E200.7	mg/kg	183	16.1					

				sys_loc_code:	B32		B33		B34		
				loc_name:	Area-06		Area-06		Area-06		
				sys_sample_code:	B32 0-12		B33 0-12		B34 0-12		
				depth:	0-12 in		0-12 in		0-12 in		
				sample_date:	07/09/2009		07/27/2009		07/08/2009		
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED							
7440-02-0	Nickel	E200.7	mg/kg	15.9							
7440-09-7	Potassium	E200.7	mg/kg	NL	205	J			345	J	
7440-22-4	Silver	E200.7	mg/kg	0.73							
7440-23-5	Sodium	E200.7	mg/kg	NL	1240	J			1260		
7440-31-5	Tin	E200.7	mg/kg	NL							
7440-66-6	Zinc	E200.7	mg/kg	124	37.1						
7440-36-0	Antimony	E200.8	mg/kg	2			1.2	U	1.3	UJ	
7440-38-2	Arsenic	E200.8	mg/kg	0.389			3.8		2.3		
7440-39-3	Barium	E200.8	mg/kg	130.1			4.1	J	6.3	U	
7440-41-7	Beryllium	E200.8	mg/kg	15.6			0.14	J	0.55		
7440-43-9	Cadmium	E200.8	mg/kg	0.68			0.13	J	0.057	J	
7440-47-3	Chromium	E200.8	mg/kg	52.3			7.1	J	4.4	J	
7440-48-4	Cobalt	E200.8	mg/kg	2.34			0.96	J	1.4		
7440-50-8	Copper	E200.8	mg/kg	18.7			9.5	J	3.8	J	
7439-92-1	Lead	E200.8	mg/kg	30.2			18.1	J	6	J	
7439-96-5	Manganese	E200.8	mg/kg	183			18.9	J	17.1	J	
7440-02-0	Nickel	E200.8	mg/kg	15.9			3		3	J	
7782-49-2	Selenium	E200.8	mg/kg	2			0.11	J	0.24	J	
7440-22-4	Silver	E200.8	mg/kg	0.73			0.11	J	0.32	UJ	
7440-28-0	Thallium	E200.8	mg/kg	100000			0.69	U	0.63	U	
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548			11.5	J	9.6	J	
7440-66-6	Zinc	E200.8	mg/kg	124			32		12.7	J	
7439-97-6	Mercury	E245.5	mg/kg	0.13			0.038	U	0.038	U	
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6							
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357							
309-00-2	Aldrin	CPEST	ug/kg	2							
319-84-6	Alpha-Bhc	CPEST	ug/kg	3							
319-85-7	Beta-Bhc	CPEST	ug/kg	3							
319-86-8	Delta-Bhc	CPEST	ug/kg	3							
33213-65-9	Endosulfan II	CPEST	ug/kg	14							
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19							
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7							
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7							

				sys_loc_code:	B32		B33		B34	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B32 0-12		B33 0-12		B34 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/09/2009		07/27/2009		07/08/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL						
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32						
60-57-1	Dieldrin	CPEST	ug/kg	0.72						
72-20-8	Endrin	CPEST	ug/kg	2.67						
72-43-5	Methoxychlor	CPEST	ug/kg	29.6						
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22						
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07						
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL						
76-44-8	Heptachlor	CPEST	ug/kg	68						
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1						
959-98-8	Endosulfan I	CPEST	ug/kg	2.9						
11096-82-5	Aroclor 1260	E608	ug/kg	21.6						
11097-69-1	Aroclor 1254	E608	ug/kg	23						
11100-14-4	Aroclor 1268	E608	ug/kg	21.6						
11104-28-2	Aroclor 1221	E608	ug/kg	21.6						
11141-16-5	Aroclor 1232	E608	ug/kg	21.6						
12672-29-6	Aroclor 1248	E608	ug/kg	21.6						
12674-11-2	Aroclor 1016	E608	ug/kg	21.6						
37324-23-5	Aroclor 1262	E608	ug/kg	21.6						
53469-21-9	Aroclor 1242	E608	ug/kg	21.6						
100-41-4	Ethylbenzene	E624	ug/kg	305						
100-42-5	Styrene	E624	ug/kg	7070						
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL						
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL						
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460						
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7						
107-06-2	1,2-Dichloroethane	E624	ug/kg	432						
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000						
108-87-2	Methylcyclohexane	E624	ug/kg	NL						
108-88-3	Toluene	E624	ug/kg	1090						
108-90-7	Chlorobenzene	E624	ug/kg	162						
110-82-7	Cyclohexane	E624	ug/kg	117000						
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473						

				sys_loc_code:	B32		B33		B34	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B32 0-12		B33 0-12		B34 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/09/2009		07/27/2009		07/08/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
123-91-1	1,4-Dioxane	E624	ug/kg	44100						
124-48-1	Dibromochloromethane	E624	ug/kg	680						
127-18-4	Tetrachloroethene	E624	ug/kg	190						
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200						
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300						
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300						
179601-23-1	m,p-Xylene	E624	ug/kg	NL						
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842						
56-23-5	Carbon tetrachloride	E624	ug/kg	248						
591-78-6	2-Hexanone	E624	ug/kg	20900						
67-64-1	Acetone	E624	ug/kg	6130000						
67-66-3	Chloroform	E624	ug/kg	295						
71-43-2	Benzene	E624	ug/kg	137						
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856						
74-83-9	Bromomethane	E624	ug/kg	732						
74-87-3	Chloromethane	E624	ug/kg	11900						
74-97-5	Bromochloromethane	E624	ug/kg	NL						
75-00-3	Chloroethane	E624	ug/kg	1450000						
75-01-4	Vinyl Chloride	E624	ug/kg	59.7						
75-09-2	Methylene chloride	E624	ug/kg	10700						
75-15-0	Carbon Disulfide	E624	ug/kg	0.851						
75-25-2	Bromoform	E624	ug/kg	1310						
75-27-4	Bromodichloromethane	E624	ug/kg	273						
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310						
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780						
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700						
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400						
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000						
78-87-5	1,2-Dichloropropane	E624	ug/kg	895						
78-93-3	2-Butanone	E624	ug/kg	2780000						
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570						
79-01-6	Trichloroethene	E624	ug/kg	1600						
79-20-9	Methyl Acetate	E624	ug/kg	7820000						

				sys_loc_code:	B32		B33		B34	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B32 0-12		B33 0-12		B34 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/09/2009		07/27/2009		07/08/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202						
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858						
95-47-6	o-Xylene	E624	ug/kg	NL						
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989						
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35						
98-82-8	Isopropylbenzene	E624	ug/kg	86						
100-01-6	4-Nitroaniline	E625	ug/kg	24300						
100-02-7	4-Nitrophenol	E625	ug/kg	NL						
100-52-7	Benzaldehyde	E625	ug/kg	782000						
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230						
105-60-2	Caprolactam	E625	ug/kg	3060000						
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29						
106-44-5	4-Methylphenol	E625	ug/kg	670						
106-47-8	4-Chloroaniline	E625	ug/kg	2430						
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570						
108-95-2	Phenol	E625	ug/kg	420						
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214						
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300						
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182						
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL						
118-74-1	Hexachlorobenzene	E625	ug/kg	20						
120-12-7	Anthracene	E625	ug/kg	46.9						
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117						
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6						
129-00-0	Pyrene	E625	ug/kg	153						
131-11-3	Dimethylphthalate	E625	ug/kg	NL						
132-64-9	Dibenzofuran	E625	ug/kg	7300						
1912-24-9	Atrazine	E625	ug/kg	6.62						
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170						
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17						
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148						
206-44-0	Fluoranthene	E625	ug/kg	113						
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240						

				sys_loc_code:	B32		B33		B34	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B32 0-12		B33 0-12		B34 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/09/2009		07/27/2009		07/08/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
208-96-8	Acenaphthylene	E625	ug/kg	5.87						
218-01-9	Chrysene	E625	ug/kg	108						
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8						
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200						
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611						
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22						
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8						
58-90-2	Chlorophenols	E625	ug/kg	284						
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000						
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120						
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4						
67-72-1	Hexachloroethane	E625	ug/kg	804						
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL						
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139						
78-59-1	Isophorone	E625	ug/kg	511000						
83-32-9	Acenaphthene	E625	ug/kg	6.71						
84-66-2	Diethylphthalate	E625	ug/kg	218						
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160						
85-01-8	Phenanthrene	E625	ug/kg	86.7						
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800						
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100						
86-73-7	Fluorene	E625	ug/kg	19						
86-74-8	Carbazole	E625	ug/kg	NL						
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110						
87-86-5	Pentachlorophenol	E625	ug/kg	2970						
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650						
88-74-4	2-Nitroaniline	E625	ug/kg	60600						
88-75-5	2-Nitrophenol	E625	ug/kg	NL						
91-20-3	Naphthalene	E625	ug/kg	34.6						
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2						
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000						
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080						
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220						

				sys_loc_code:	B32		B33		B34	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B32 0-12		B33 0-12		B34 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/09/2009		07/27/2009		07/08/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
95-48-7	2-Methylphenol	E625	ug/kg	306000						
95-57-8	2-Chlorophenol	E625	ug/kg	344						
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830						
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819						
98-86-2	Acetophenone	E625	ug/kg	782000						
98-95-3	Nitrobenzene	E625	ug/kg	4790						
99-09-2	3-Nitroaniline	E625	ug/kg	NL						

				sys_loc_code:	B35		B36		B37	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B35 0-12		B36 0-12		B37 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/08/2009		07/08/2009		07/08/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
7429-90-5	Aluminum	C200.7	mg/kg	7740						
7440-36-0	Antimony	C200.7	mg/kg	2						
7440-38-2	Arsenic	C200.7	mg/kg	0.389						
7440-39-3	Barium	C200.7	mg/kg	130.1						
7440-41-7	Beryllium	C200.7	mg/kg	15.6						
7440-43-9	Cadmium	C200.7	mg/kg	0.68						
7440-70-2	Calcium	C200.7	mg/kg	NL						
7440-47-3	Chromium	C200.7	mg/kg	52.3						
7440-48-4	Cobalt	C200.7	mg/kg	2.34						
7440-50-8	Copper	C200.7	mg/kg	18.7						
7439-89-6	Iron	C200.7	mg/kg	2000						
7439-92-1	Lead	C200.7	mg/kg	30.2						
7439-95-4	Magnesium	C200.7	mg/kg	NL						
7439-96-5	Manganese	C200.7	mg/kg	183						
7440-02-0	Nickel	C200.7	mg/kg	15.9						
7440-09-7	Potassium	C200.7	mg/kg	NL						
7782-49-2	Selenium	C200.7	mg/kg	2						
7440-22-4	Silver	C200.7	mg/kg	0.73						
7440-23-5	Sodium	C200.7	mg/kg	NL						
7440-28-0	Thallium	C200.7	mg/kg	100000						
7440-31-5	Tin	C200.7	mg/kg	NL						
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548						
7440-66-6	Zinc	C200.7	mg/kg	124						
7429-90-5	Aluminum	E200.7	mg/kg	7740	747		386		812	
7440-36-0	Antimony	E200.7	mg/kg	2						
7440-38-2	Arsenic	E200.7	mg/kg	0.389						
7440-70-2	Calcium	E200.7	mg/kg	NL	215	J	101	J	571	
7440-47-3	Chromium	E200.7	mg/kg	52.3						
7440-50-8	Copper	E200.7	mg/kg	18.7						
7439-89-6	Iron	E200.7	mg/kg	2000	3710	J	4060	J	14800	J
7439-92-1	Lead	E200.7	mg/kg	30.2						
7439-95-4	Magnesium	E200.7	mg/kg	NL	331	J	219	J	386	J
7439-96-5	Manganese	E200.7	mg/kg	183						

				sys_loc_code:	B35		B36		B37		
				loc_name:	Area-06		Area-06		Area-06		
				sys_sample_code:	B35 0-12		B36 0-12		B37 0-12		
				depth:	0-12 in		0-12 in		0-12 in		
				sample_date:	07/08/2009		07/08/2009		07/08/2009		
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED							
7440-02-0	Nickel	E200.7	mg/kg	15.9							
7440-09-7	Potassium	E200.7	mg/kg	NL	180	J	111	J	244	J	
7440-22-4	Silver	E200.7	mg/kg	0.73							
7440-23-5	Sodium	E200.7	mg/kg	NL	1570	J	1550	J	564	J	
7440-31-5	Tin	E200.7	mg/kg	NL							
7440-66-6	Zinc	E200.7	mg/kg	124							
7440-36-0	Antimony	E200.8	mg/kg	2	1.3	U	1.1	U	1	U	
7440-38-2	Arsenic	E200.8	mg/kg	0.389	1.3		0.59		1.2		
7440-39-3	Barium	E200.8	mg/kg	130.1	1.5	J	1.7	J	1.7	J	
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.16	J	0.19	J	0.11	J	
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.061	J	0.015	J	0.26	U	
7440-47-3	Chromium	E200.8	mg/kg	52.3	2.6		1.8		3.1		
7440-48-4	Cobalt	E200.8	mg/kg	2.34	1.5	J	0.53	UJ	0.55	J	
7440-50-8	Copper	E200.8	mg/kg	18.7	2.9		1.7		1.5		
7439-92-1	Lead	E200.8	mg/kg	30.2	11.6	J	1.9	J	2.5	J	
7439-96-5	Manganese	E200.8	mg/kg	183	10.1		2.3		18.7		
7440-02-0	Nickel	E200.8	mg/kg	15.9	2.2		0.78		1.2		
7782-49-2	Selenium	E200.8	mg/kg	2	0.12	J	0.12	J	0.11	J	
7440-22-4	Silver	E200.8	mg/kg	0.73	0.31	UJ	0.27	UJ	0.26	UJ	
7440-28-0	Thallium	E200.8	mg/kg	100000	0.63	U	0.53	U	0.52	U	
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	8.2		5.5		0.52		
7440-66-6	Zinc	E200.8	mg/kg	124	11.8		9.2		8.7		
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.037	U	0.037	U	0.032	U	
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6							
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357							
309-00-2	Aldrin	CPEST	ug/kg	2							
319-84-6	Alpha-Bhc	CPEST	ug/kg	3							
319-85-7	Beta-Bhc	CPEST	ug/kg	3							
319-86-8	Delta-Bhc	CPEST	ug/kg	3							
33213-65-9	Endosulfan II	CPEST	ug/kg	14							
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19							
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7							
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7							

				sys_loc_code:	B35		B36		B37	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B35 0-12		B36 0-12		B37 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/08/2009		07/08/2009		07/08/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL						
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32						
60-57-1	Dieldrin	CPEST	ug/kg	0.72						
72-20-8	Endrin	CPEST	ug/kg	2.67						
72-43-5	Methoxychlor	CPEST	ug/kg	29.6						
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22						
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07						
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL						
76-44-8	Heptachlor	CPEST	ug/kg	68						
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1						
959-98-8	Endosulfan I	CPEST	ug/kg	2.9						
11096-82-5	Aroclor 1260	E608	ug/kg	21.6						
11097-69-1	Aroclor 1254	E608	ug/kg	23						
11100-14-4	Aroclor 1268	E608	ug/kg	21.6						
11104-28-2	Aroclor 1221	E608	ug/kg	21.6						
11141-16-5	Aroclor 1232	E608	ug/kg	21.6						
12672-29-6	Aroclor 1248	E608	ug/kg	21.6						
12674-11-2	Aroclor 1016	E608	ug/kg	21.6						
37324-23-5	Aroclor 1262	E608	ug/kg	21.6						
53469-21-9	Aroclor 1242	E608	ug/kg	21.6						
100-41-4	Ethylbenzene	E624	ug/kg	305						
100-42-5	Styrene	E624	ug/kg	7070						
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL						
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL						
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460						
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7						
107-06-2	1,2-Dichloroethane	E624	ug/kg	432						
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000						
108-87-2	Methylcyclohexane	E624	ug/kg	NL						
108-88-3	Toluene	E624	ug/kg	1090						
108-90-7	Chlorobenzene	E624	ug/kg	162						
110-82-7	Cyclohexane	E624	ug/kg	117000						
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473						

				sys_loc_code:	B35		B36		B37	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B35 0-12		B36 0-12		B37 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/08/2009		07/08/2009		07/08/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
123-91-1	1,4-Dioxane	E624	ug/kg	44100						
124-48-1	Dibromochloromethane	E624	ug/kg	680						
127-18-4	Tetrachloroethene	E624	ug/kg	190						
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200						
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300						
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300						
179601-23-1	m,p-Xylene	E624	ug/kg	NL						
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842						
56-23-5	Carbon tetrachloride	E624	ug/kg	248						
591-78-6	2-Hexanone	E624	ug/kg	20900						
67-64-1	Acetone	E624	ug/kg	6130000						
67-66-3	Chloroform	E624	ug/kg	295						
71-43-2	Benzene	E624	ug/kg	137						
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856						
74-83-9	Bromomethane	E624	ug/kg	732						
74-87-3	Chloromethane	E624	ug/kg	11900						
74-97-5	Bromochloromethane	E624	ug/kg	NL						
75-00-3	Chloroethane	E624	ug/kg	1450000						
75-01-4	Vinyl Chloride	E624	ug/kg	59.7						
75-09-2	Methylene chloride	E624	ug/kg	10700						
75-15-0	Carbon Disulfide	E624	ug/kg	0.851						
75-25-2	Bromoform	E624	ug/kg	1310						
75-27-4	Bromodichloromethane	E624	ug/kg	273						
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310						
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780						
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700						
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400						
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000						
78-87-5	1,2-Dichloropropane	E624	ug/kg	895						
78-93-3	2-Butanone	E624	ug/kg	2780000						
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570						
79-01-6	Trichloroethene	E624	ug/kg	1600						
79-20-9	Methyl Acetate	E624	ug/kg	7820000						

				sys_loc_code:	B35		B36		B37	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B35 0-12		B36 0-12		B37 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/08/2009		07/08/2009		07/08/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202						
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858						
95-47-6	o-Xylene	E624	ug/kg	NL						
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989						
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35						
98-82-8	Isopropylbenzene	E624	ug/kg	86						
100-01-6	4-Nitroaniline	E625	ug/kg	24300						
100-02-7	4-Nitrophenol	E625	ug/kg	NL						
100-52-7	Benzaldehyde	E625	ug/kg	782000						
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230						
105-60-2	Caprolactam	E625	ug/kg	3060000						
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29						
106-44-5	4-Methylphenol	E625	ug/kg	670						
106-47-8	4-Chloroaniline	E625	ug/kg	2430						
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570						
108-95-2	Phenol	E625	ug/kg	420						
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214						
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300						
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182						
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL						
118-74-1	Hexachlorobenzene	E625	ug/kg	20						
120-12-7	Anthracene	E625	ug/kg	46.9						
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117						
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6						
129-00-0	Pyrene	E625	ug/kg	153						
131-11-3	Dimethylphthalate	E625	ug/kg	NL						
132-64-9	Dibenzofuran	E625	ug/kg	7300						
1912-24-9	Atrazine	E625	ug/kg	6.62						
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170						
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17						
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148						
206-44-0	Fluoranthene	E625	ug/kg	113						
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240						

				sys_loc_code:	B35		B36		B37	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B35 0-12		B36 0-12		B37 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/08/2009		07/08/2009		07/08/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
208-96-8	Acenaphthylene	E625	ug/kg	5.87						
218-01-9	Chrysene	E625	ug/kg	108						
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8						
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200						
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611						
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22						
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8						
58-90-2	Chlorophenols	E625	ug/kg	284						
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000						
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120						
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4						
67-72-1	Hexachloroethane	E625	ug/kg	804						
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL						
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139						
78-59-1	Isophorone	E625	ug/kg	511000						
83-32-9	Acenaphthene	E625	ug/kg	6.71						
84-66-2	Diethylphthalate	E625	ug/kg	218						
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160						
85-01-8	Phenanthrene	E625	ug/kg	86.7						
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800						
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100						
86-73-7	Fluorene	E625	ug/kg	19						
86-74-8	Carbazole	E625	ug/kg	NL						
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110						
87-86-5	Pentachlorophenol	E625	ug/kg	2970						
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650						
88-74-4	2-Nitroaniline	E625	ug/kg	60600						
88-75-5	2-Nitrophenol	E625	ug/kg	NL						
91-20-3	Naphthalene	E625	ug/kg	34.6						
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2						
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000						
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080						
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220						

				sys_loc_code:	B35		B36		B37	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B35 0-12		B36 0-12		B37 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/08/2009		07/08/2009		07/08/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
95-48-7	2-Methylphenol	E625	ug/kg	306000						
95-57-8	2-Chlorophenol	E625	ug/kg	344						
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830						
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819						
98-86-2	Acetophenone	E625	ug/kg	782000						
98-95-3	Nitrobenzene	E625	ug/kg	4790						
99-09-2	3-Nitroaniline	E625	ug/kg	NL						

				sys_loc_code:	B38		B39		B40	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B38 0-12		B39 0-12		B40 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/27/2009		07/27/2009		07/27/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
7429-90-5	Aluminum	C200.7	mg/kg	7740						
7440-36-0	Antimony	C200.7	mg/kg	2						
7440-38-2	Arsenic	C200.7	mg/kg	0.389						
7440-39-3	Barium	C200.7	mg/kg	130.1						
7440-41-7	Beryllium	C200.7	mg/kg	15.6						
7440-43-9	Cadmium	C200.7	mg/kg	0.68						
7440-70-2	Calcium	C200.7	mg/kg	NL						
7440-47-3	Chromium	C200.7	mg/kg	52.3						
7440-48-4	Cobalt	C200.7	mg/kg	2.34						
7440-50-8	Copper	C200.7	mg/kg	18.7						
7439-89-6	Iron	C200.7	mg/kg	2000						
7439-92-1	Lead	C200.7	mg/kg	30.2						
7439-95-4	Magnesium	C200.7	mg/kg	NL						
7439-96-5	Manganese	C200.7	mg/kg	183						
7440-02-0	Nickel	C200.7	mg/kg	15.9						
7440-09-7	Potassium	C200.7	mg/kg	NL						
7782-49-2	Selenium	C200.7	mg/kg	2						
7440-22-4	Silver	C200.7	mg/kg	0.73						
7440-23-5	Sodium	C200.7	mg/kg	NL						
7440-28-0	Thallium	C200.7	mg/kg	100000						
7440-31-5	Tin	C200.7	mg/kg	NL						
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548						
7440-66-6	Zinc	C200.7	mg/kg	124						
7429-90-5	Aluminum	E200.7	mg/kg	7740						
7440-36-0	Antimony	E200.7	mg/kg	2						
7440-38-2	Arsenic	E200.7	mg/kg	0.389						
7440-70-2	Calcium	E200.7	mg/kg	NL						
7440-47-3	Chromium	E200.7	mg/kg	52.3						
7440-50-8	Copper	E200.7	mg/kg	18.7						
7439-89-6	Iron	E200.7	mg/kg	2000						
7439-92-1	Lead	E200.7	mg/kg	30.2						
7439-95-4	Magnesium	E200.7	mg/kg	NL						
7439-96-5	Manganese	E200.7	mg/kg	183						

				sys_loc_code:	B38		B39		B40		
				loc_name:	Area-06		Area-06		Area-06		
				sys_sample_code:	B38 0-12		B39 0-12		B40 0-12		
				depth:	0-12 in		0-12 in		0-12 in		
				sample_date:	07/27/2009		07/27/2009		07/27/2009		
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED							
7440-02-0	Nickel	E200.7	mg/kg	15.9							
7440-09-7	Potassium	E200.7	mg/kg	NL							
7440-22-4	Silver	E200.7	mg/kg	0.73							
7440-23-5	Sodium	E200.7	mg/kg	NL							
7440-31-5	Tin	E200.7	mg/kg	NL							
7440-66-6	Zinc	E200.7	mg/kg	124							
7440-36-0	Antimony	E200.8	mg/kg	2	1.3	U	1.3	U	1.3	U	
7440-38-2	Arsenic	E200.8	mg/kg	0.389	1.4		5.4		5.2		
7440-39-3	Barium	E200.8	mg/kg	130.1	2.2	J	6.1	J	8.8		
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.079	J	0.28	J	0.54		
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.078	J	0.077	J	0.15	J	
7440-47-3	Chromium	E200.8	mg/kg	52.3	3.1	J	9.2	J	14.3	J	
7440-48-4	Cobalt	E200.8	mg/kg	2.34	0.5	J	1.1	J	1.6	J	
7440-50-8	Copper	E200.8	mg/kg	18.7	4.5	J	9.9	J	10.9	J	
7439-92-1	Lead	E200.8	mg/kg	30.2	8.6	J	10.1	J	20.4	J	
7439-96-5	Manganese	E200.8	mg/kg	183	13.5	J	21.7	J	31.7	J	
7440-02-0	Nickel	E200.8	mg/kg	15.9	1.4		3.3		4.2		
7782-49-2	Selenium	E200.8	mg/kg	2	0.15	J	0.29	J	0.27	J	
7440-22-4	Silver	E200.8	mg/kg	0.73	0.054	J	0.088	J	0.11	J	
7440-28-0	Thallium	E200.8	mg/kg	100000	0.63	U	0.64	U	0.63	U	
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	6.3	J	14	J	23.4	J	
7440-66-6	Zinc	E200.8	mg/kg	124	15.1		22.8		27.2		
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.038	U	0.044		0.069		
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6							
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357							
309-00-2	Aldrin	CPEST	ug/kg	2							
319-84-6	Alpha-Bhc	CPEST	ug/kg	3							
319-85-7	Beta-Bhc	CPEST	ug/kg	3							
319-86-8	Delta-Bhc	CPEST	ug/kg	3							
33213-65-9	Endosulfan II	CPEST	ug/kg	14							
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19							
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7							
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7							

				sys_loc_code:	B38		B39		B40	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B38 0-12		B39 0-12		B40 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/27/2009		07/27/2009		07/27/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL						
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32						
60-57-1	Dieldrin	CPEST	ug/kg	0.72						
72-20-8	Endrin	CPEST	ug/kg	2.67						
72-43-5	Methoxychlor	CPEST	ug/kg	29.6						
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22						
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07						
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL						
76-44-8	Heptachlor	CPEST	ug/kg	68						
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1						
959-98-8	Endosulfan I	CPEST	ug/kg	2.9						
11096-82-5	Aroclor 1260	E608	ug/kg	21.6						
11097-69-1	Aroclor 1254	E608	ug/kg	23						
11100-14-4	Aroclor 1268	E608	ug/kg	21.6						
11104-28-2	Aroclor 1221	E608	ug/kg	21.6						
11141-16-5	Aroclor 1232	E608	ug/kg	21.6						
12672-29-6	Aroclor 1248	E608	ug/kg	21.6						
12674-11-2	Aroclor 1016	E608	ug/kg	21.6						
37324-23-5	Aroclor 1262	E608	ug/kg	21.6						
53469-21-9	Aroclor 1242	E608	ug/kg	21.6						
100-41-4	Ethylbenzene	E624	ug/kg	305						
100-42-5	Styrene	E624	ug/kg	7070						
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL						
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL						
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460						
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7						
107-06-2	1,2-Dichloroethane	E624	ug/kg	432						
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000						
108-87-2	Methylcyclohexane	E624	ug/kg	NL						
108-88-3	Toluene	E624	ug/kg	1090						
108-90-7	Chlorobenzene	E624	ug/kg	162						
110-82-7	Cyclohexane	E624	ug/kg	117000						
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473						

				sys_loc_code:	B38		B39		B40	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B38 0-12		B39 0-12		B40 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/27/2009		07/27/2009		07/27/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
123-91-1	1,4-Dioxane	E624	ug/kg	44100						
124-48-1	Dibromochloromethane	E624	ug/kg	680						
127-18-4	Tetrachloroethene	E624	ug/kg	190						
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200						
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300						
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300						
179601-23-1	m,p-Xylene	E624	ug/kg	NL						
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842						
56-23-5	Carbon tetrachloride	E624	ug/kg	248						
591-78-6	2-Hexanone	E624	ug/kg	20900						
67-64-1	Acetone	E624	ug/kg	6130000						
67-66-3	Chloroform	E624	ug/kg	295						
71-43-2	Benzene	E624	ug/kg	137						
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856						
74-83-9	Bromomethane	E624	ug/kg	732						
74-87-3	Chloromethane	E624	ug/kg	11900						
74-97-5	Bromochloromethane	E624	ug/kg	NL						
75-00-3	Chloroethane	E624	ug/kg	1450000						
75-01-4	Vinyl Chloride	E624	ug/kg	59.7						
75-09-2	Methylene chloride	E624	ug/kg	10700						
75-15-0	Carbon Disulfide	E624	ug/kg	0.851						
75-25-2	Bromoform	E624	ug/kg	1310						
75-27-4	Bromodichloromethane	E624	ug/kg	273						
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310						
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780						
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700						
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400						
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000						
78-87-5	1,2-Dichloropropane	E624	ug/kg	895						
78-93-3	2-Butanone	E624	ug/kg	2780000						
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570						
79-01-6	Trichloroethene	E624	ug/kg	1600						
79-20-9	Methyl Acetate	E624	ug/kg	7820000						

				sys_loc_code:	B38		B39		B40	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B38 0-12		B39 0-12		B40 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/27/2009		07/27/2009		07/27/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202						
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858						
95-47-6	o-Xylene	E624	ug/kg	NL						
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989						
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35						
98-82-8	Isopropylbenzene	E624	ug/kg	86						
100-01-6	4-Nitroaniline	E625	ug/kg	24300						
100-02-7	4-Nitrophenol	E625	ug/kg	NL						
100-52-7	Benzaldehyde	E625	ug/kg	782000						
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230						
105-60-2	Caprolactam	E625	ug/kg	3060000						
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29						
106-44-5	4-Methylphenol	E625	ug/kg	670						
106-47-8	4-Chloroaniline	E625	ug/kg	2430						
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570						
108-95-2	Phenol	E625	ug/kg	420						
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214						
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300						
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182						
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL						
118-74-1	Hexachlorobenzene	E625	ug/kg	20						
120-12-7	Anthracene	E625	ug/kg	46.9						
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117						
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6						
129-00-0	Pyrene	E625	ug/kg	153						
131-11-3	Dimethylphthalate	E625	ug/kg	NL						
132-64-9	Dibenzofuran	E625	ug/kg	7300						
1912-24-9	Atrazine	E625	ug/kg	6.62						
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170						
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17						
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148						
206-44-0	Fluoranthene	E625	ug/kg	113						
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240						

				sys_loc_code:	B38		B39		B40	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B38 0-12		B39 0-12		B40 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/27/2009		07/27/2009		07/27/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
208-96-8	Acenaphthylene	E625	ug/kg	5.87						
218-01-9	Chrysene	E625	ug/kg	108						
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8						
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200						
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611						
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22						
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8						
58-90-2	Chlorophenols	E625	ug/kg	284						
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000						
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120						
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4						
67-72-1	Hexachloroethane	E625	ug/kg	804						
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL						
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139						
78-59-1	Isophorone	E625	ug/kg	511000						
83-32-9	Acenaphthene	E625	ug/kg	6.71						
84-66-2	Diethylphthalate	E625	ug/kg	218						
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160						
85-01-8	Phenanthrene	E625	ug/kg	86.7						
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800						
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100						
86-73-7	Fluorene	E625	ug/kg	19						
86-74-8	Carbazole	E625	ug/kg	NL						
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110						
87-86-5	Pentachlorophenol	E625	ug/kg	2970						
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650						
88-74-4	2-Nitroaniline	E625	ug/kg	60600						
88-75-5	2-Nitrophenol	E625	ug/kg	NL						
91-20-3	Naphthalene	E625	ug/kg	34.6						
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2						
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000						
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080						
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220						

				sys_loc_code:	B38		B39		B40	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B38 0-12		B39 0-12		B40 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/27/2009		07/27/2009		07/27/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
95-48-7	2-Methylphenol	E625	ug/kg	306000						
95-57-8	2-Chlorophenol	E625	ug/kg	344						
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830						
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819						
98-86-2	Acetophenone	E625	ug/kg	782000						
98-95-3	Nitrobenzene	E625	ug/kg	4790						
99-09-2	3-Nitroaniline	E625	ug/kg	NL						

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				sys_loc_code:	B41		B42		B43	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B41 0-12		B42 0-12		B43 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/08/2009		07/27/2009		07/27/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
7429-90-5	Aluminum	C200.7	mg/kg	7740						
7440-36-0	Antimony	C200.7	mg/kg	2						
7440-38-2	Arsenic	C200.7	mg/kg	0.389						
7440-39-3	Barium	C200.7	mg/kg	130.1						
7440-41-7	Beryllium	C200.7	mg/kg	15.6						
7440-43-9	Cadmium	C200.7	mg/kg	0.68						
7440-70-2	Calcium	C200.7	mg/kg	NL						
7440-47-3	Chromium	C200.7	mg/kg	52.3						
7440-48-4	Cobalt	C200.7	mg/kg	2.34						
7440-50-8	Copper	C200.7	mg/kg	18.7						
7439-89-6	Iron	C200.7	mg/kg	2000						
7439-92-1	Lead	C200.7	mg/kg	30.2						
7439-95-4	Magnesium	C200.7	mg/kg	NL						
7439-96-5	Manganese	C200.7	mg/kg	183						
7440-02-0	Nickel	C200.7	mg/kg	15.9						
7440-09-7	Potassium	C200.7	mg/kg	NL						
7782-49-2	Selenium	C200.7	mg/kg	2						
7440-22-4	Silver	C200.7	mg/kg	0.73						
7440-23-5	Sodium	C200.7	mg/kg	NL						
7440-28-0	Thallium	C200.7	mg/kg	100000						
7440-31-5	Tin	C200.7	mg/kg	NL						
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548						
7440-66-6	Zinc	C200.7	mg/kg	124						
7429-90-5	Aluminum	E200.7	mg/kg	7740	680					
7440-36-0	Antimony	E200.7	mg/kg	2						
7440-38-2	Arsenic	E200.7	mg/kg	0.389						
7440-70-2	Calcium	E200.7	mg/kg	NL	449	J				
7440-47-3	Chromium	E200.7	mg/kg	52.3						
7440-50-8	Copper	E200.7	mg/kg	18.7						
7439-89-6	Iron	E200.7	mg/kg	2000	8050	J				
7439-92-1	Lead	E200.7	mg/kg	30.2						
7439-95-4	Magnesium	E200.7	mg/kg	NL	440	J				
7439-96-5	Manganese	E200.7	mg/kg	183						

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				sys_loc_code:	B41		B42		B43	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B41 0-12		B42 0-12		B43 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/08/2009		07/27/2009		07/27/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
7440-02-0	Nickel	E200.7	mg/kg	15.9						
7440-09-7	Potassium	E200.7	mg/kg	NL	245	J				
7440-22-4	Silver	E200.7	mg/kg	0.73						
7440-23-5	Sodium	E200.7	mg/kg	NL	783	J				
7440-31-5	Tin	E200.7	mg/kg	NL						
7440-66-6	Zinc	E200.7	mg/kg	124						
7440-36-0	Antimony	E200.8	mg/kg	2	0.89	U	1.3	U	1.2	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389	1.7		5.6	J	5.4	J
7440-39-3	Barium	E200.8	mg/kg	130.1	0.9	J	6.9	J	5	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.09	J	0.32	U	0.31	U
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.22	U	0.15	J	0.15	J
7440-47-3	Chromium	E200.8	mg/kg	52.3	2.3		10.9		10.2	
7440-48-4	Cobalt	E200.8	mg/kg	2.34	0.82	J	1.5		1.5	
7440-50-8	Copper	E200.8	mg/kg	18.7	1.4		12.6	J	11.7	J
7439-92-1	Lead	E200.8	mg/kg	30.2	2.2	J	22.6	J	17.5	J
7439-96-5	Manganese	E200.8	mg/kg	183	23.6		39.3		64.5	
7440-02-0	Nickel	E200.8	mg/kg	15.9	1.7		4.4	J	4.9	J
7782-49-2	Selenium	E200.8	mg/kg	2	0.076	J	0.34	J	0.41	J
7440-22-4	Silver	E200.8	mg/kg	0.73	0.22	UJ	0.32	UJ	0.31	UJ
7440-28-0	Thallium	E200.8	mg/kg	100000	0.44	U	0.63	U	0.62	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	4.1		17.4		14	
7440-66-6	Zinc	E200.8	mg/kg	124	9.6		36.3	J	37.1	J
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.033	U	0.066		0.16	
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6						
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357						
309-00-2	Aldrin	CPEST	ug/kg	2						
319-84-6	Alpha-Bhc	CPEST	ug/kg	3						
319-85-7	Beta-Bhc	CPEST	ug/kg	3						
319-86-8	Delta-Bhc	CPEST	ug/kg	3						
33213-65-9	Endosulfan II	CPEST	ug/kg	14						
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19						
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7						
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7						

				sys_loc_code:	B41		B42		B43	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B41 0-12		B42 0-12		B43 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/08/2009		07/27/2009		07/27/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL						
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32						
60-57-1	Dieldrin	CPEST	ug/kg	0.72						
72-20-8	Endrin	CPEST	ug/kg	2.67						
72-43-5	Methoxychlor	CPEST	ug/kg	29.6						
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22						
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07						
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL						
76-44-8	Heptachlor	CPEST	ug/kg	68						
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1						
959-98-8	Endosulfan I	CPEST	ug/kg	2.9						
11096-82-5	Aroclor 1260	E608	ug/kg	21.6						
11097-69-1	Aroclor 1254	E608	ug/kg	23						
11100-14-4	Aroclor 1268	E608	ug/kg	21.6						
11104-28-2	Aroclor 1221	E608	ug/kg	21.6						
11141-16-5	Aroclor 1232	E608	ug/kg	21.6						
12672-29-6	Aroclor 1248	E608	ug/kg	21.6						
12674-11-2	Aroclor 1016	E608	ug/kg	21.6						
37324-23-5	Aroclor 1262	E608	ug/kg	21.6						
53469-21-9	Aroclor 1242	E608	ug/kg	21.6						
100-41-4	Ethylbenzene	E624	ug/kg	305						
100-42-5	Styrene	E624	ug/kg	7070						
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL						
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL						
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460						
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7						
107-06-2	1,2-Dichloroethane	E624	ug/kg	432						
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000						
108-87-2	Methylcyclohexane	E624	ug/kg	NL						
108-88-3	Toluene	E624	ug/kg	1090						
108-90-7	Chlorobenzene	E624	ug/kg	162						
110-82-7	Cyclohexane	E624	ug/kg	117000						
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473						

				sys_loc_code:	B41		B42		B43	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B41 0-12		B42 0-12		B43 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/08/2009		07/27/2009		07/27/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
123-91-1	1,4-Dioxane	E624	ug/kg	44100						
124-48-1	Dibromochloromethane	E624	ug/kg	680						
127-18-4	Tetrachloroethene	E624	ug/kg	190						
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200						
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300						
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300						
179601-23-1	m,p-Xylene	E624	ug/kg	NL						
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842						
56-23-5	Carbon tetrachloride	E624	ug/kg	248						
591-78-6	2-Hexanone	E624	ug/kg	20900						
67-64-1	Acetone	E624	ug/kg	6130000						
67-66-3	Chloroform	E624	ug/kg	295						
71-43-2	Benzene	E624	ug/kg	137						
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856						
74-83-9	Bromomethane	E624	ug/kg	732						
74-87-3	Chloromethane	E624	ug/kg	11900						
74-97-5	Bromochloromethane	E624	ug/kg	NL						
75-00-3	Chloroethane	E624	ug/kg	1450000						
75-01-4	Vinyl Chloride	E624	ug/kg	59.7						
75-09-2	Methylene chloride	E624	ug/kg	10700						
75-15-0	Carbon Disulfide	E624	ug/kg	0.851						
75-25-2	Bromoform	E624	ug/kg	1310						
75-27-4	Bromodichloromethane	E624	ug/kg	273						
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310						
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780						
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700						
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400						
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000						
78-87-5	1,2-Dichloropropane	E624	ug/kg	895						
78-93-3	2-Butanone	E624	ug/kg	2780000						
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570						
79-01-6	Trichloroethene	E624	ug/kg	1600						
79-20-9	Methyl Acetate	E624	ug/kg	7820000						

				sys_loc_code:	B41		B42		B43	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B41 0-12		B42 0-12		B43 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/08/2009		07/27/2009		07/27/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202						
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858						
95-47-6	o-Xylene	E624	ug/kg	NL						
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989						
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35						
98-82-8	Isopropylbenzene	E624	ug/kg	86						
100-01-6	4-Nitroaniline	E625	ug/kg	24300						
100-02-7	4-Nitrophenol	E625	ug/kg	NL						
100-52-7	Benzaldehyde	E625	ug/kg	782000						
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230						
105-60-2	Caprolactam	E625	ug/kg	3060000						
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29						
106-44-5	4-Methylphenol	E625	ug/kg	670						
106-47-8	4-Chloroaniline	E625	ug/kg	2430						
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570						
108-95-2	Phenol	E625	ug/kg	420						
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214						
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300						
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182						
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL						
118-74-1	Hexachlorobenzene	E625	ug/kg	20						
120-12-7	Anthracene	E625	ug/kg	46.9						
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117						
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6						
129-00-0	Pyrene	E625	ug/kg	153						
131-11-3	Dimethylphthalate	E625	ug/kg	NL						
132-64-9	Dibenzofuran	E625	ug/kg	7300						
1912-24-9	Atrazine	E625	ug/kg	6.62						
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170						
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17						
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148						
206-44-0	Fluoranthene	E625	ug/kg	113						
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240						

				sys_loc_code:	B41		B42		B43	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B41 0-12		B42 0-12		B43 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/08/2009		07/27/2009		07/27/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
208-96-8	Acenaphthylene	E625	ug/kg	5.87						
218-01-9	Chrysene	E625	ug/kg	108						
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8						
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200						
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611						
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22						
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8						
58-90-2	Chlorophenols	E625	ug/kg	284						
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000						
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120						
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4						
67-72-1	Hexachloroethane	E625	ug/kg	804						
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL						
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139						
78-59-1	Isophorone	E625	ug/kg	511000						
83-32-9	Acenaphthene	E625	ug/kg	6.71						
84-66-2	Diethylphthalate	E625	ug/kg	218						
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160						
85-01-8	Phenanthrene	E625	ug/kg	86.7						
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800						
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100						
86-73-7	Fluorene	E625	ug/kg	19						
86-74-8	Carbazole	E625	ug/kg	NL						
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110						
87-86-5	Pentachlorophenol	E625	ug/kg	2970						
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650						
88-74-4	2-Nitroaniline	E625	ug/kg	60600						
88-75-5	2-Nitrophenol	E625	ug/kg	NL						
91-20-3	Naphthalene	E625	ug/kg	34.6						
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2						
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000						
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080						
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220						

				sys_loc_code:	B41		B42		B43	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B41 0-12		B42 0-12		B43 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/08/2009		07/27/2009		07/27/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
95-48-7	2-Methylphenol	E625	ug/kg	306000						
95-57-8	2-Chlorophenol	E625	ug/kg	344						
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830						
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819						
98-86-2	Acetophenone	E625	ug/kg	782000						
98-95-3	Nitrobenzene	E625	ug/kg	4790						
99-09-2	3-Nitroaniline	E625	ug/kg	NL						

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				sys_loc_code:	B44		B45		B46		
				loc_name:	Area-06		Area-06		Area-06		
				sys_sample_code:	B44 0-12		B45 0-12		B46 0-12		
				depth:	0-12 in		0-12 in		0-12 in		
				sample_date:	07/09/2009		07/08/2009		07/10/2009		
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED							
7429-90-5	Aluminum	C200.7	mg/kg	7740							
7440-36-0	Antimony	C200.7	mg/kg	2							
7440-38-2	Arsenic	C200.7	mg/kg	0.389							
7440-39-3	Barium	C200.7	mg/kg	130.1							
7440-41-7	Beryllium	C200.7	mg/kg	15.6							
7440-43-9	Cadmium	C200.7	mg/kg	0.68							
7440-70-2	Calcium	C200.7	mg/kg	NL							
7440-47-3	Chromium	C200.7	mg/kg	52.3							
7440-48-4	Cobalt	C200.7	mg/kg	2.34							
7440-50-8	Copper	C200.7	mg/kg	18.7							
7439-89-6	Iron	C200.7	mg/kg	2000							
7439-92-1	Lead	C200.7	mg/kg	30.2							
7439-95-4	Magnesium	C200.7	mg/kg	NL							
7439-96-5	Manganese	C200.7	mg/kg	183							
7440-02-0	Nickel	C200.7	mg/kg	15.9							
7440-09-7	Potassium	C200.7	mg/kg	NL							
7782-49-2	Selenium	C200.7	mg/kg	2							
7440-22-4	Silver	C200.7	mg/kg	0.73							
7440-23-5	Sodium	C200.7	mg/kg	NL							
7440-28-0	Thallium	C200.7	mg/kg	100000							
7440-31-5	Tin	C200.7	mg/kg	NL							
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548							
7440-66-6	Zinc	C200.7	mg/kg	124							
7429-90-5	Aluminum	E200.7	mg/kg	7740	1990	J	1130				
7440-36-0	Antimony	E200.7	mg/kg	2							
7440-38-2	Arsenic	E200.7	mg/kg	0.389	8.2						
7440-70-2	Calcium	E200.7	mg/kg	NL	407	J	493	J			
7440-47-3	Chromium	E200.7	mg/kg	52.3							
7440-50-8	Copper	E200.7	mg/kg	18.7	15.6						
7439-89-6	Iron	E200.7	mg/kg	2000	14000	J	9500	J			
7439-92-1	Lead	E200.7	mg/kg	30.2	15.4	J					
7439-95-4	Magnesium	E200.7	mg/kg	NL	692		538	J			
7439-96-5	Manganese	E200.7	mg/kg	183	28.7						

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				sys_loc_code:	B44		B45		B46	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B44 0-12		B45 0-12		B46 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/09/2009		07/08/2009		07/10/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
7440-02-0	Nickel	E200.7	mg/kg	15.9						
7440-09-7	Potassium	E200.7	mg/kg	NL	397	J	364	J		
7440-22-4	Silver	E200.7	mg/kg	0.73						
7440-23-5	Sodium	E200.7	mg/kg	NL	1170	J	1320			
7440-31-5	Tin	E200.7	mg/kg	NL						
7440-66-6	Zinc	E200.7	mg/kg	124	47.4					
7440-36-0	Antimony	E200.8	mg/kg	2			1.1	UJ	1.1	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389			2.7		2	J
7440-39-3	Barium	E200.8	mg/kg	130.1			5.7	UJ	0.89	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6			0.4		0.1	J
7440-43-9	Cadmium	E200.8	mg/kg	0.68			0.068	J	0.007	J
7440-47-3	Chromium	E200.8	mg/kg	52.3			7.7	J	3.1	J
7440-48-4	Cobalt	E200.8	mg/kg	2.34			1.6		0.84	
7440-50-8	Copper	E200.8	mg/kg	18.7			4.9	J	1.4	
7439-92-1	Lead	E200.8	mg/kg	30.2			10.9	J	2.2	
7439-96-5	Manganese	E200.8	mg/kg	183			18.3	J	23.8	
7440-02-0	Nickel	E200.8	mg/kg	15.9			3.1	J	1.8	J
7782-49-2	Selenium	E200.8	mg/kg	2			0.21	J	0.55	U
7440-22-4	Silver	E200.8	mg/kg	0.73			0.29	UJ	0.27	U
7440-28-0	Thallium	E200.8	mg/kg	100000			0.57	U	0.55	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548			15.6	J	5.9	J
7440-66-6	Zinc	E200.8	mg/kg	124			21.5	J	6.9	
7439-97-6	Mercury	E245.5	mg/kg	0.13			0.037	U	0.033	U
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6						
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357						
309-00-2	Aldrin	CPEST	ug/kg	2						
319-84-6	Alpha-Bhc	CPEST	ug/kg	3						
319-85-7	Beta-Bhc	CPEST	ug/kg	3						
319-86-8	Delta-Bhc	CPEST	ug/kg	3						
33213-65-9	Endosulfan II	CPEST	ug/kg	14						
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19						
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7						
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7						

				sys_loc_code:	B44		B45		B46	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B44 0-12		B45 0-12		B46 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/09/2009		07/08/2009		07/10/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL						
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32						
60-57-1	Dieldrin	CPEST	ug/kg	0.72						
72-20-8	Endrin	CPEST	ug/kg	2.67						
72-43-5	Methoxychlor	CPEST	ug/kg	29.6						
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22						
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07						
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL						
76-44-8	Heptachlor	CPEST	ug/kg	68						
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1						
959-98-8	Endosulfan I	CPEST	ug/kg	2.9						
11096-82-5	Aroclor 1260	E608	ug/kg	21.6						
11097-69-1	Aroclor 1254	E608	ug/kg	23						
11100-14-4	Aroclor 1268	E608	ug/kg	21.6						
11104-28-2	Aroclor 1221	E608	ug/kg	21.6						
11141-16-5	Aroclor 1232	E608	ug/kg	21.6						
12672-29-6	Aroclor 1248	E608	ug/kg	21.6						
12674-11-2	Aroclor 1016	E608	ug/kg	21.6						
37324-23-5	Aroclor 1262	E608	ug/kg	21.6						
53469-21-9	Aroclor 1242	E608	ug/kg	21.6						
100-41-4	Ethylbenzene	E624	ug/kg	305						
100-42-5	Styrene	E624	ug/kg	7070						
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL						
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL						
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460						
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7						
107-06-2	1,2-Dichloroethane	E624	ug/kg	432						
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000						
108-87-2	Methylcyclohexane	E624	ug/kg	NL						
108-88-3	Toluene	E624	ug/kg	1090						
108-90-7	Chlorobenzene	E624	ug/kg	162						
110-82-7	Cyclohexane	E624	ug/kg	117000						
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473						

				sys_loc_code:	B44		B45		B46	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B44 0-12		B45 0-12		B46 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/09/2009		07/08/2009		07/10/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
123-91-1	1,4-Dioxane	E624	ug/kg	44100						
124-48-1	Dibromochloromethane	E624	ug/kg	680						
127-18-4	Tetrachloroethene	E624	ug/kg	190						
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200						
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300						
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300						
179601-23-1	m,p-Xylene	E624	ug/kg	NL						
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842						
56-23-5	Carbon tetrachloride	E624	ug/kg	248						
591-78-6	2-Hexanone	E624	ug/kg	20900						
67-64-1	Acetone	E624	ug/kg	6130000						
67-66-3	Chloroform	E624	ug/kg	295						
71-43-2	Benzene	E624	ug/kg	137						
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856						
74-83-9	Bromomethane	E624	ug/kg	732						
74-87-3	Chloromethane	E624	ug/kg	11900						
74-97-5	Bromochloromethane	E624	ug/kg	NL						
75-00-3	Chloroethane	E624	ug/kg	1450000						
75-01-4	Vinyl Chloride	E624	ug/kg	59.7						
75-09-2	Methylene chloride	E624	ug/kg	10700						
75-15-0	Carbon Disulfide	E624	ug/kg	0.851						
75-25-2	Bromoform	E624	ug/kg	1310						
75-27-4	Bromodichloromethane	E624	ug/kg	273						
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310						
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780						
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700						
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400						
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000						
78-87-5	1,2-Dichloropropane	E624	ug/kg	895						
78-93-3	2-Butanone	E624	ug/kg	2780000						
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570						
79-01-6	Trichloroethene	E624	ug/kg	1600						
79-20-9	Methyl Acetate	E624	ug/kg	7820000						

				sys_loc_code:	B44		B45		B46	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B44 0-12		B45 0-12		B46 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/09/2009		07/08/2009		07/10/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202						
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858						
95-47-6	o-Xylene	E624	ug/kg	NL						
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989						
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35						
98-82-8	Isopropylbenzene	E624	ug/kg	86						
100-01-6	4-Nitroaniline	E625	ug/kg	24300						
100-02-7	4-Nitrophenol	E625	ug/kg	NL						
100-52-7	Benzaldehyde	E625	ug/kg	782000						
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230						
105-60-2	Caprolactam	E625	ug/kg	3060000						
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29						
106-44-5	4-Methylphenol	E625	ug/kg	670						
106-47-8	4-Chloroaniline	E625	ug/kg	2430						
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570						
108-95-2	Phenol	E625	ug/kg	420						
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214						
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300						
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182						
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL						
118-74-1	Hexachlorobenzene	E625	ug/kg	20						
120-12-7	Anthracene	E625	ug/kg	46.9						
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117						
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6						
129-00-0	Pyrene	E625	ug/kg	153						
131-11-3	Dimethylphthalate	E625	ug/kg	NL						
132-64-9	Dibenzofuran	E625	ug/kg	7300						
1912-24-9	Atrazine	E625	ug/kg	6.62						
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170						
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17						
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148						
206-44-0	Fluoranthene	E625	ug/kg	113						
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240						

				sys_loc_code:	B44		B45		B46	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B44 0-12		B45 0-12		B46 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/09/2009		07/08/2009		07/10/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
208-96-8	Acenaphthylene	E625	ug/kg	5.87						
218-01-9	Chrysene	E625	ug/kg	108						
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8						
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200						
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611						
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22						
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8						
58-90-2	Chlorophenols	E625	ug/kg	284						
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000						
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120						
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4						
67-72-1	Hexachloroethane	E625	ug/kg	804						
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL						
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139						
78-59-1	Isophorone	E625	ug/kg	511000						
83-32-9	Acenaphthene	E625	ug/kg	6.71						
84-66-2	Diethylphthalate	E625	ug/kg	218						
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160						
85-01-8	Phenanthrene	E625	ug/kg	86.7						
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800						
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100						
86-73-7	Fluorene	E625	ug/kg	19						
86-74-8	Carbazole	E625	ug/kg	NL						
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110						
87-86-5	Pentachlorophenol	E625	ug/kg	2970						
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650						
88-74-4	2-Nitroaniline	E625	ug/kg	60600						
88-75-5	2-Nitrophenol	E625	ug/kg	NL						
91-20-3	Naphthalene	E625	ug/kg	34.6						
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2						
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000						
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080						
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220						

				sys_loc_code:	B44		B45		B46	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B44 0-12		B45 0-12		B46 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/09/2009		07/08/2009		07/10/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
95-48-7	2-Methylphenol	E625	ug/kg	306000						
95-57-8	2-Chlorophenol	E625	ug/kg	344						
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830						
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819						
98-86-2	Acetophenone	E625	ug/kg	782000						
98-95-3	Nitrobenzene	E625	ug/kg	4790						
99-09-2	3-Nitroaniline	E625	ug/kg	NL						

				sys_loc_code:	B47		B49		B50	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B47 0-12		B49 0-12		B50 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/08/2009		07/27/2009		07/27/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
7429-90-5	Aluminum	C200.7	mg/kg	7740						
7440-36-0	Antimony	C200.7	mg/kg	2						
7440-38-2	Arsenic	C200.7	mg/kg	0.389						
7440-39-3	Barium	C200.7	mg/kg	130.1						
7440-41-7	Beryllium	C200.7	mg/kg	15.6						
7440-43-9	Cadmium	C200.7	mg/kg	0.68						
7440-70-2	Calcium	C200.7	mg/kg	NL						
7440-47-3	Chromium	C200.7	mg/kg	52.3						
7440-48-4	Cobalt	C200.7	mg/kg	2.34						
7440-50-8	Copper	C200.7	mg/kg	18.7						
7439-89-6	Iron	C200.7	mg/kg	2000						
7439-92-1	Lead	C200.7	mg/kg	30.2						
7439-95-4	Magnesium	C200.7	mg/kg	NL						
7439-96-5	Manganese	C200.7	mg/kg	183						
7440-02-0	Nickel	C200.7	mg/kg	15.9						
7440-09-7	Potassium	C200.7	mg/kg	NL						
7782-49-2	Selenium	C200.7	mg/kg	2						
7440-22-4	Silver	C200.7	mg/kg	0.73						
7440-23-5	Sodium	C200.7	mg/kg	NL						
7440-28-0	Thallium	C200.7	mg/kg	100000						
7440-31-5	Tin	C200.7	mg/kg	NL						
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548						
7440-66-6	Zinc	C200.7	mg/kg	124						
7429-90-5	Aluminum	E200.7	mg/kg	7740	363					
7440-36-0	Antimony	E200.7	mg/kg	2						
7440-38-2	Arsenic	E200.7	mg/kg	0.389						
7440-70-2	Calcium	E200.7	mg/kg	NL	55.5	J				
7440-47-3	Chromium	E200.7	mg/kg	52.3						
7440-50-8	Copper	E200.7	mg/kg	18.7						
7439-89-6	Iron	E200.7	mg/kg	2000	6760	J				
7439-92-1	Lead	E200.7	mg/kg	30.2						
7439-95-4	Magnesium	E200.7	mg/kg	NL	70.9	J				
7439-96-5	Manganese	E200.7	mg/kg	183						

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				sys_loc_code:	B47		B49		B50	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B47 0-12		B49 0-12		B50 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/08/2009		07/27/2009		07/27/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
7440-02-0	Nickel	E200.7	mg/kg	15.9						
7440-09-7	Potassium	E200.7	mg/kg	NL	98.4	J				
7440-22-4	Silver	E200.7	mg/kg	0.73						
7440-23-5	Sodium	E200.7	mg/kg	NL	517	UJ				
7440-31-5	Tin	E200.7	mg/kg	NL						
7440-66-6	Zinc	E200.7	mg/kg	124						
7440-36-0	Antimony	E200.8	mg/kg	2	1	U	1.3	U	1.5	
7440-38-2	Arsenic	E200.8	mg/kg	0.389	1.2		2.3	J	10	J
7440-39-3	Barium	E200.8	mg/kg	130.1	0.94	J	3	J	5.4	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.068	J	0.31	U	0.31	U
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.25	U	0.12	J	0.18	J
7440-47-3	Chromium	E200.8	mg/kg	52.3	3		4.9		12.4	
7440-48-4	Cobalt	E200.8	mg/kg	2.34	0.51	UJ	0.71		1.4	
7440-50-8	Copper	E200.8	mg/kg	18.7	1.8		7.8	J	22.8	J
7439-92-1	Lead	E200.8	mg/kg	30.2	5.1	J	10.1	J	21.3	J
7439-96-5	Manganese	E200.8	mg/kg	183	12.8		14.4		25.7	
7440-02-0	Nickel	E200.8	mg/kg	15.9	0.46	J	3.1	J	5.9	J
7782-49-2	Selenium	E200.8	mg/kg	2	0.13	J	0.43	J	1.3	
7440-22-4	Silver	E200.8	mg/kg	0.73	0.25	UJ	0.31	UJ	0.31	UJ
7440-28-0	Thallium	E200.8	mg/kg	100000	0.51	U	0.63	U	0.62	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	7.8		8.7		18.4	
7440-66-6	Zinc	E200.8	mg/kg	124	8.3		19.4	J	72.8	J
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.03	U	0.05		0.17	
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6						
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357						
309-00-2	Aldrin	CPEST	ug/kg	2						
319-84-6	Alpha-Bhc	CPEST	ug/kg	3						
319-85-7	Beta-Bhc	CPEST	ug/kg	3						
319-86-8	Delta-Bhc	CPEST	ug/kg	3						
33213-65-9	Endosulfan II	CPEST	ug/kg	14						
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19						
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7						
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7						

				sys_loc_code:	B47		B49		B50	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B47 0-12		B49 0-12		B50 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/08/2009		07/27/2009		07/27/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL						
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32						
60-57-1	Dieldrin	CPEST	ug/kg	0.72						
72-20-8	Endrin	CPEST	ug/kg	2.67						
72-43-5	Methoxychlor	CPEST	ug/kg	29.6						
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22						
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07						
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL						
76-44-8	Heptachlor	CPEST	ug/kg	68						
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1						
959-98-8	Endosulfan I	CPEST	ug/kg	2.9						
11096-82-5	Aroclor 1260	E608	ug/kg	21.6						
11097-69-1	Aroclor 1254	E608	ug/kg	23						
11100-14-4	Aroclor 1268	E608	ug/kg	21.6						
11104-28-2	Aroclor 1221	E608	ug/kg	21.6						
11141-16-5	Aroclor 1232	E608	ug/kg	21.6						
12672-29-6	Aroclor 1248	E608	ug/kg	21.6						
12674-11-2	Aroclor 1016	E608	ug/kg	21.6						
37324-23-5	Aroclor 1262	E608	ug/kg	21.6						
53469-21-9	Aroclor 1242	E608	ug/kg	21.6						
100-41-4	Ethylbenzene	E624	ug/kg	305						
100-42-5	Styrene	E624	ug/kg	7070						
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL						
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL						
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460						
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7						
107-06-2	1,2-Dichloroethane	E624	ug/kg	432						
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000						
108-87-2	Methylcyclohexane	E624	ug/kg	NL						
108-88-3	Toluene	E624	ug/kg	1090						
108-90-7	Chlorobenzene	E624	ug/kg	162						
110-82-7	Cyclohexane	E624	ug/kg	117000						
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473						

				sys_loc_code:	B47		B49		B50	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B47 0-12		B49 0-12		B50 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/08/2009		07/27/2009		07/27/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
123-91-1	1,4-Dioxane	E624	ug/kg	44100						
124-48-1	Dibromochloromethane	E624	ug/kg	680						
127-18-4	Tetrachloroethene	E624	ug/kg	190						
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200						
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300						
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300						
179601-23-1	m,p-Xylene	E624	ug/kg	NL						
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842						
56-23-5	Carbon tetrachloride	E624	ug/kg	248						
591-78-6	2-Hexanone	E624	ug/kg	20900						
67-64-1	Acetone	E624	ug/kg	6130000						
67-66-3	Chloroform	E624	ug/kg	295						
71-43-2	Benzene	E624	ug/kg	137						
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856						
74-83-9	Bromomethane	E624	ug/kg	732						
74-87-3	Chloromethane	E624	ug/kg	11900						
74-97-5	Bromochloromethane	E624	ug/kg	NL						
75-00-3	Chloroethane	E624	ug/kg	1450000						
75-01-4	Vinyl Chloride	E624	ug/kg	59.7						
75-09-2	Methylene chloride	E624	ug/kg	10700						
75-15-0	Carbon Disulfide	E624	ug/kg	0.851						
75-25-2	Bromoform	E624	ug/kg	1310						
75-27-4	Bromodichloromethane	E624	ug/kg	273						
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310						
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780						
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700						
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400						
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000						
78-87-5	1,2-Dichloropropane	E624	ug/kg	895						
78-93-3	2-Butanone	E624	ug/kg	2780000						
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570						
79-01-6	Trichloroethene	E624	ug/kg	1600						
79-20-9	Methyl Acetate	E624	ug/kg	7820000						

				sys_loc_code:	B47		B49		B50	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B47 0-12		B49 0-12		B50 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/08/2009		07/27/2009		07/27/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202						
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858						
95-47-6	o-Xylene	E624	ug/kg	NL						
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989						
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35						
98-82-8	Isopropylbenzene	E624	ug/kg	86						
100-01-6	4-Nitroaniline	E625	ug/kg	24300						
100-02-7	4-Nitrophenol	E625	ug/kg	NL						
100-52-7	Benzaldehyde	E625	ug/kg	782000						
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230						
105-60-2	Caprolactam	E625	ug/kg	3060000						
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29						
106-44-5	4-Methylphenol	E625	ug/kg	670						
106-47-8	4-Chloroaniline	E625	ug/kg	2430						
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570						
108-95-2	Phenol	E625	ug/kg	420						
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214						
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300						
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182						
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL						
118-74-1	Hexachlorobenzene	E625	ug/kg	20						
120-12-7	Anthracene	E625	ug/kg	46.9						
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117						
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6						
129-00-0	Pyrene	E625	ug/kg	153						
131-11-3	Dimethylphthalate	E625	ug/kg	NL						
132-64-9	Dibenzofuran	E625	ug/kg	7300						
1912-24-9	Atrazine	E625	ug/kg	6.62						
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170						
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17						
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148						
206-44-0	Fluoranthene	E625	ug/kg	113						
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240						

				sys_loc_code:	B47		B49		B50	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B47 0-12		B49 0-12		B50 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/08/2009		07/27/2009		07/27/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
208-96-8	Acenaphthylene	E625	ug/kg	5.87						
218-01-9	Chrysene	E625	ug/kg	108						
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8						
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200						
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611						
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22						
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8						
58-90-2	Chlorophenols	E625	ug/kg	284						
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000						
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120						
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4						
67-72-1	Hexachloroethane	E625	ug/kg	804						
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL						
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139						
78-59-1	Isophorone	E625	ug/kg	511000						
83-32-9	Acenaphthene	E625	ug/kg	6.71						
84-66-2	Diethylphthalate	E625	ug/kg	218						
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160						
85-01-8	Phenanthrene	E625	ug/kg	86.7						
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800						
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100						
86-73-7	Fluorene	E625	ug/kg	19						
86-74-8	Carbazole	E625	ug/kg	NL						
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110						
87-86-5	Pentachlorophenol	E625	ug/kg	2970						
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650						
88-74-4	2-Nitroaniline	E625	ug/kg	60600						
88-75-5	2-Nitrophenol	E625	ug/kg	NL						
91-20-3	Naphthalene	E625	ug/kg	34.6						
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2						
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000						
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080						
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220						

				sys_loc_code:	B47		B49		B50	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B47 0-12		B49 0-12		B50 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/08/2009		07/27/2009		07/27/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
95-48-7	2-Methylphenol	E625	ug/kg	306000						
95-57-8	2-Chlorophenol	E625	ug/kg	344						
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830						
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819						
98-86-2	Acetophenone	E625	ug/kg	782000						
98-95-3	Nitrobenzene	E625	ug/kg	4790						
99-09-2	3-Nitroaniline	E625	ug/kg	NL						

				sys_loc_code:	B51		B52		B53	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B51 0-12		B52 0-12		B53 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/27/2009		07/27/2009		07/27/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
7429-90-5	Aluminum	C200.7	mg/kg	7740						
7440-36-0	Antimony	C200.7	mg/kg	2						
7440-38-2	Arsenic	C200.7	mg/kg	0.389						
7440-39-3	Barium	C200.7	mg/kg	130.1						
7440-41-7	Beryllium	C200.7	mg/kg	15.6						
7440-43-9	Cadmium	C200.7	mg/kg	0.68						
7440-70-2	Calcium	C200.7	mg/kg	NL						
7440-47-3	Chromium	C200.7	mg/kg	52.3						
7440-48-4	Cobalt	C200.7	mg/kg	2.34						
7440-50-8	Copper	C200.7	mg/kg	18.7						
7439-89-6	Iron	C200.7	mg/kg	2000						
7439-92-1	Lead	C200.7	mg/kg	30.2						
7439-95-4	Magnesium	C200.7	mg/kg	NL						
7439-96-5	Manganese	C200.7	mg/kg	183						
7440-02-0	Nickel	C200.7	mg/kg	15.9						
7440-09-7	Potassium	C200.7	mg/kg	NL						
7782-49-2	Selenium	C200.7	mg/kg	2						
7440-22-4	Silver	C200.7	mg/kg	0.73						
7440-23-5	Sodium	C200.7	mg/kg	NL						
7440-28-0	Thallium	C200.7	mg/kg	100000						
7440-31-5	Tin	C200.7	mg/kg	NL						
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548						
7440-66-6	Zinc	C200.7	mg/kg	124						
7429-90-5	Aluminum	E200.7	mg/kg	7740						
7440-36-0	Antimony	E200.7	mg/kg	2						
7440-38-2	Arsenic	E200.7	mg/kg	0.389						
7440-70-2	Calcium	E200.7	mg/kg	NL						
7440-47-3	Chromium	E200.7	mg/kg	52.3						
7440-50-8	Copper	E200.7	mg/kg	18.7						
7439-89-6	Iron	E200.7	mg/kg	2000						
7439-92-1	Lead	E200.7	mg/kg	30.2						
7439-95-4	Magnesium	E200.7	mg/kg	NL						
7439-96-5	Manganese	E200.7	mg/kg	183						

				sys_loc_code:	B51		B52		B53	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B51 0-12		B52 0-12		B53 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/27/2009		07/27/2009		07/27/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
7440-02-0	Nickel	E200.7	mg/kg	15.9						
7440-09-7	Potassium	E200.7	mg/kg	NL						
7440-22-4	Silver	E200.7	mg/kg	0.73						
7440-23-5	Sodium	E200.7	mg/kg	NL						
7440-31-5	Tin	E200.7	mg/kg	NL						
7440-66-6	Zinc	E200.7	mg/kg	124						
7440-36-0	Antimony	E200.8	mg/kg	2	1.3	U	1.3	U	1.2	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389	9.2		7.4		5.9	
7440-39-3	Barium	E200.8	mg/kg	130.1	4.9	J	6.8	J	3.6	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.24	J	1.1		0.27	J
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.28	J	0.16	J	0.18	J
7440-47-3	Chromium	E200.8	mg/kg	52.3	13.5	J	17.5	J	9.8	J
7440-48-4	Cobalt	E200.8	mg/kg	2.34	1.5		3.2		1.1	
7440-50-8	Copper	E200.8	mg/kg	18.7	23		11.8		13	
7439-92-1	Lead	E200.8	mg/kg	30.2	19.4	J	15.5	J	33.2	J
7439-96-5	Manganese	E200.8	mg/kg	183	32.6		30.1		20	
7440-02-0	Nickel	E200.8	mg/kg	15.9	5.6		6.2		3.1	
7782-49-2	Selenium	E200.8	mg/kg	2	0.76		0.63	U	0.61	U
7440-22-4	Silver	E200.8	mg/kg	0.73	0.32	UJ	0.32	UJ	0.3	UJ
7440-28-0	Thallium	E200.8	mg/kg	100000	0.64	J	0.63	U	0.61	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	17.1	J	33		15.4	
7440-66-6	Zinc	E200.8	mg/kg	124	62.6	J	39.1		43.4	
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.19		0.091		0.12	
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6						
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357						
309-00-2	Aldrin	CPEST	ug/kg	2						
319-84-6	Alpha-Bhc	CPEST	ug/kg	3						
319-85-7	Beta-Bhc	CPEST	ug/kg	3						
319-86-8	Delta-Bhc	CPEST	ug/kg	3						
33213-65-9	Endosulfan II	CPEST	ug/kg	14						
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19						
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7						
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7						

				sys_loc_code:	B51		B52		B53	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B51 0-12		B52 0-12		B53 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/27/2009		07/27/2009		07/27/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL						
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32						
60-57-1	Dieldrin	CPEST	ug/kg	0.72						
72-20-8	Endrin	CPEST	ug/kg	2.67						
72-43-5	Methoxychlor	CPEST	ug/kg	29.6						
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22						
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07						
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL						
76-44-8	Heptachlor	CPEST	ug/kg	68						
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1						
959-98-8	Endosulfan I	CPEST	ug/kg	2.9						
11096-82-5	Aroclor 1260	E608	ug/kg	21.6						
11097-69-1	Aroclor 1254	E608	ug/kg	23						
11100-14-4	Aroclor 1268	E608	ug/kg	21.6						
11104-28-2	Aroclor 1221	E608	ug/kg	21.6						
11141-16-5	Aroclor 1232	E608	ug/kg	21.6						
12672-29-6	Aroclor 1248	E608	ug/kg	21.6						
12674-11-2	Aroclor 1016	E608	ug/kg	21.6						
37324-23-5	Aroclor 1262	E608	ug/kg	21.6						
53469-21-9	Aroclor 1242	E608	ug/kg	21.6						
100-41-4	Ethylbenzene	E624	ug/kg	305						
100-42-5	Styrene	E624	ug/kg	7070						
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL						
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL						
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460						
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7						
107-06-2	1,2-Dichloroethane	E624	ug/kg	432						
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000						
108-87-2	Methylcyclohexane	E624	ug/kg	NL						
108-88-3	Toluene	E624	ug/kg	1090						
108-90-7	Chlorobenzene	E624	ug/kg	162						
110-82-7	Cyclohexane	E624	ug/kg	117000						
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473						

				sys_loc_code:	B51		B52		B53	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B51 0-12		B52 0-12		B53 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/27/2009		07/27/2009		07/27/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
123-91-1	1,4-Dioxane	E624	ug/kg	44100						
124-48-1	Dibromochloromethane	E624	ug/kg	680						
127-18-4	Tetrachloroethene	E624	ug/kg	190						
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200						
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300						
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300						
179601-23-1	m,p-Xylene	E624	ug/kg	NL						
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842						
56-23-5	Carbon tetrachloride	E624	ug/kg	248						
591-78-6	2-Hexanone	E624	ug/kg	20900						
67-64-1	Acetone	E624	ug/kg	6130000						
67-66-3	Chloroform	E624	ug/kg	295						
71-43-2	Benzene	E624	ug/kg	137						
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856						
74-83-9	Bromomethane	E624	ug/kg	732						
74-87-3	Chloromethane	E624	ug/kg	11900						
74-97-5	Bromochloromethane	E624	ug/kg	NL						
75-00-3	Chloroethane	E624	ug/kg	1450000						
75-01-4	Vinyl Chloride	E624	ug/kg	59.7						
75-09-2	Methylene chloride	E624	ug/kg	10700						
75-15-0	Carbon Disulfide	E624	ug/kg	0.851						
75-25-2	Bromoform	E624	ug/kg	1310						
75-27-4	Bromodichloromethane	E624	ug/kg	273						
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310						
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780						
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700						
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400						
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000						
78-87-5	1,2-Dichloropropane	E624	ug/kg	895						
78-93-3	2-Butanone	E624	ug/kg	2780000						
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570						
79-01-6	Trichloroethene	E624	ug/kg	1600						
79-20-9	Methyl Acetate	E624	ug/kg	7820000						

				sys_loc_code:	B51		B52		B53	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B51 0-12		B52 0-12		B53 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/27/2009		07/27/2009		07/27/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202						
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858						
95-47-6	o-Xylene	E624	ug/kg	NL						
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989						
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35						
98-82-8	Isopropylbenzene	E624	ug/kg	86						
100-01-6	4-Nitroaniline	E625	ug/kg	24300						
100-02-7	4-Nitrophenol	E625	ug/kg	NL						
100-52-7	Benzaldehyde	E625	ug/kg	782000						
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230						
105-60-2	Caprolactam	E625	ug/kg	3060000						
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29						
106-44-5	4-Methylphenol	E625	ug/kg	670						
106-47-8	4-Chloroaniline	E625	ug/kg	2430						
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570						
108-95-2	Phenol	E625	ug/kg	420						
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214						
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300						
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182						
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL						
118-74-1	Hexachlorobenzene	E625	ug/kg	20						
120-12-7	Anthracene	E625	ug/kg	46.9						
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117						
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6						
129-00-0	Pyrene	E625	ug/kg	153						
131-11-3	Dimethylphthalate	E625	ug/kg	NL						
132-64-9	Dibenzofuran	E625	ug/kg	7300						
1912-24-9	Atrazine	E625	ug/kg	6.62						
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170						
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17						
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148						
206-44-0	Fluoranthene	E625	ug/kg	113						
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240						

				sys_loc_code:	B51		B52		B53	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B51 0-12		B52 0-12		B53 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/27/2009		07/27/2009		07/27/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
208-96-8	Acenaphthylene	E625	ug/kg	5.87						
218-01-9	Chrysene	E625	ug/kg	108						
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8						
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200						
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611						
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22						
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8						
58-90-2	Chlorophenols	E625	ug/kg	284						
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000						
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120						
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4						
67-72-1	Hexachloroethane	E625	ug/kg	804						
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL						
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139						
78-59-1	Isophorone	E625	ug/kg	511000						
83-32-9	Acenaphthene	E625	ug/kg	6.71						
84-66-2	Diethylphthalate	E625	ug/kg	218						
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160						
85-01-8	Phenanthrene	E625	ug/kg	86.7						
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800						
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100						
86-73-7	Fluorene	E625	ug/kg	19						
86-74-8	Carbazole	E625	ug/kg	NL						
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110						
87-86-5	Pentachlorophenol	E625	ug/kg	2970						
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650						
88-74-4	2-Nitroaniline	E625	ug/kg	60600						
88-75-5	2-Nitrophenol	E625	ug/kg	NL						
91-20-3	Naphthalene	E625	ug/kg	34.6						
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2						
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000						
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080						
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220						

				sys_loc_code:	B51		B52		B53	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B51 0-12		B52 0-12		B53 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/27/2009		07/27/2009		07/27/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
95-48-7	2-Methylphenol	E625	ug/kg	306000						
95-57-8	2-Chlorophenol	E625	ug/kg	344						
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830						
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819						
98-86-2	Acetophenone	E625	ug/kg	782000						
98-95-3	Nitrobenzene	E625	ug/kg	4790						
99-09-2	3-Nitroaniline	E625	ug/kg	NL						

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Area 6 Sediment < 12

				sys_loc_code:	B54		B55		B56	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B54 0-12		B55 0-12		B56 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/27/2009		07/08/2009		07/08/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
7429-90-5	Aluminum	C200.7	mg/kg	7740						
7440-36-0	Antimony	C200.7	mg/kg	2						
7440-38-2	Arsenic	C200.7	mg/kg	0.389						
7440-39-3	Barium	C200.7	mg/kg	130.1						
7440-41-7	Beryllium	C200.7	mg/kg	15.6						
7440-43-9	Cadmium	C200.7	mg/kg	0.68						
7440-70-2	Calcium	C200.7	mg/kg	NL						
7440-47-3	Chromium	C200.7	mg/kg	52.3						
7440-48-4	Cobalt	C200.7	mg/kg	2.34						
7440-50-8	Copper	C200.7	mg/kg	18.7						
7439-89-6	Iron	C200.7	mg/kg	2000						
7439-92-1	Lead	C200.7	mg/kg	30.2						
7439-95-4	Magnesium	C200.7	mg/kg	NL						
7439-96-5	Manganese	C200.7	mg/kg	183						
7440-02-0	Nickel	C200.7	mg/kg	15.9						
7440-09-7	Potassium	C200.7	mg/kg	NL						
7782-49-2	Selenium	C200.7	mg/kg	2						
7440-22-4	Silver	C200.7	mg/kg	0.73						
7440-23-5	Sodium	C200.7	mg/kg	NL						
7440-28-0	Thallium	C200.7	mg/kg	100000						
7440-31-5	Tin	C200.7	mg/kg	NL						
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548						
7440-66-6	Zinc	C200.7	mg/kg	124						
7429-90-5	Aluminum	E200.7	mg/kg	7740			1100		839	
7440-36-0	Antimony	E200.7	mg/kg	2						
7440-38-2	Arsenic	E200.7	mg/kg	0.389						
7440-70-2	Calcium	E200.7	mg/kg	NL			557	J	582	
7440-47-3	Chromium	E200.7	mg/kg	52.3						
7440-50-8	Copper	E200.7	mg/kg	18.7						
7439-89-6	Iron	E200.7	mg/kg	2000			8920		4430	J
7439-92-1	Lead	E200.7	mg/kg	30.2						
7439-95-4	Magnesium	E200.7	mg/kg	NL			626		601	
7439-96-5	Manganese	E200.7	mg/kg	183						

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				sys_loc_code:	B54		B55		B56	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B54 0-12		B55 0-12		B56 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/27/2009		07/08/2009		07/08/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
7440-02-0	Nickel	E200.7	mg/kg	15.9						
7440-09-7	Potassium	E200.7	mg/kg	NL			301	J	530	J
7440-22-4	Silver	E200.7	mg/kg	0.73						
7440-23-5	Sodium	E200.7	mg/kg	NL			2550		1560	J
7440-31-5	Tin	E200.7	mg/kg	NL						
7440-66-6	Zinc	E200.7	mg/kg	124						
7440-36-0	Antimony	E200.8	mg/kg	2	1.2	U	1.3	UJ	1.2	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389	7.2	J	4.9		1.7	
7440-39-3	Barium	E200.8	mg/kg	130.1	5	J	6.5	U	2	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.43		0.32	J	0.12	J
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.22	J	0.089	J	0.022	J
7440-47-3	Chromium	E200.8	mg/kg	52.3	13.1	J	8.7	J	3.3	
7440-48-4	Cobalt	E200.8	mg/kg	2.34	1.9	J	1.2		0.8	J
7440-50-8	Copper	E200.8	mg/kg	18.7	13.8	J	8.9	J	2.1	
7439-92-1	Lead	E200.8	mg/kg	30.2	15.2	J	11.8	J	6	J
7439-96-5	Manganese	E200.8	mg/kg	183	35.3	J	19.6	J	16.6	
7440-02-0	Nickel	E200.8	mg/kg	15.9	5.3	J	3	J	1.6	
7782-49-2	Selenium	E200.8	mg/kg	2	0.62	U	0.3	J	0.099	J
7440-22-4	Silver	E200.8	mg/kg	0.73	0.31	UJ	0.32	UJ	0.3	UJ
7440-28-0	Thallium	E200.8	mg/kg	100000	0.62	U	0.65	U	0.6	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	22.7	J	15	J	5.6	
7440-66-6	Zinc	E200.8	mg/kg	124	47.5	J	32.2	J	15.6	
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.099		0.092		0.037	U
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6						
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357						
309-00-2	Aldrin	CPEST	ug/kg	2						
319-84-6	Alpha-Bhc	CPEST	ug/kg	3						
319-85-7	Beta-Bhc	CPEST	ug/kg	3						
319-86-8	Delta-Bhc	CPEST	ug/kg	3						
33213-65-9	Endosulfan II	CPEST	ug/kg	14						
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19						
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7						
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7						

				sys_loc_code:	B54		B55		B56	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B54 0-12		B55 0-12		B56 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/27/2009		07/08/2009		07/08/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL						
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32						
60-57-1	Dieldrin	CPEST	ug/kg	0.72						
72-20-8	Endrin	CPEST	ug/kg	2.67						
72-43-5	Methoxychlor	CPEST	ug/kg	29.6						
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22						
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07						
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL						
76-44-8	Heptachlor	CPEST	ug/kg	68						
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1						
959-98-8	Endosulfan I	CPEST	ug/kg	2.9						
11096-82-5	Aroclor 1260	E608	ug/kg	21.6						
11097-69-1	Aroclor 1254	E608	ug/kg	23						
11100-14-4	Aroclor 1268	E608	ug/kg	21.6						
11104-28-2	Aroclor 1221	E608	ug/kg	21.6						
11141-16-5	Aroclor 1232	E608	ug/kg	21.6						
12672-29-6	Aroclor 1248	E608	ug/kg	21.6						
12674-11-2	Aroclor 1016	E608	ug/kg	21.6						
37324-23-5	Aroclor 1262	E608	ug/kg	21.6						
53469-21-9	Aroclor 1242	E608	ug/kg	21.6						
100-41-4	Ethylbenzene	E624	ug/kg	305						
100-42-5	Styrene	E624	ug/kg	7070						
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL						
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL						
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460						
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7						
107-06-2	1,2-Dichloroethane	E624	ug/kg	432						
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000						
108-87-2	Methylcyclohexane	E624	ug/kg	NL						
108-88-3	Toluene	E624	ug/kg	1090						
108-90-7	Chlorobenzene	E624	ug/kg	162						
110-82-7	Cyclohexane	E624	ug/kg	117000						
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473						

				sys_loc_code:	B54		B55		B56	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B54 0-12		B55 0-12		B56 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/27/2009		07/08/2009		07/08/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
123-91-1	1,4-Dioxane	E624	ug/kg	44100						
124-48-1	Dibromochloromethane	E624	ug/kg	680						
127-18-4	Tetrachloroethene	E624	ug/kg	190						
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200						
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300						
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300						
179601-23-1	m,p-Xylene	E624	ug/kg	NL						
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842						
56-23-5	Carbon tetrachloride	E624	ug/kg	248						
591-78-6	2-Hexanone	E624	ug/kg	20900						
67-64-1	Acetone	E624	ug/kg	6130000						
67-66-3	Chloroform	E624	ug/kg	295						
71-43-2	Benzene	E624	ug/kg	137						
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856						
74-83-9	Bromomethane	E624	ug/kg	732						
74-87-3	Chloromethane	E624	ug/kg	11900						
74-97-5	Bromochloromethane	E624	ug/kg	NL						
75-00-3	Chloroethane	E624	ug/kg	1450000						
75-01-4	Vinyl Chloride	E624	ug/kg	59.7						
75-09-2	Methylene chloride	E624	ug/kg	10700						
75-15-0	Carbon Disulfide	E624	ug/kg	0.851						
75-25-2	Bromoform	E624	ug/kg	1310						
75-27-4	Bromodichloromethane	E624	ug/kg	273						
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310						
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780						
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700						
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400						
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000						
78-87-5	1,2-Dichloropropane	E624	ug/kg	895						
78-93-3	2-Butanone	E624	ug/kg	2780000						
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570						
79-01-6	Trichloroethene	E624	ug/kg	1600						
79-20-9	Methyl Acetate	E624	ug/kg	7820000						

				sys_loc_code:	B54		B55		B56	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B54 0-12		B55 0-12		B56 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/27/2009		07/08/2009		07/08/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202						
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858						
95-47-6	o-Xylene	E624	ug/kg	NL						
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989						
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35						
98-82-8	Isopropylbenzene	E624	ug/kg	86						
100-01-6	4-Nitroaniline	E625	ug/kg	24300						
100-02-7	4-Nitrophenol	E625	ug/kg	NL						
100-52-7	Benzaldehyde	E625	ug/kg	782000						
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230						
105-60-2	Caprolactam	E625	ug/kg	3060000						
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29						
106-44-5	4-Methylphenol	E625	ug/kg	670						
106-47-8	4-Chloroaniline	E625	ug/kg	2430						
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570						
108-95-2	Phenol	E625	ug/kg	420						
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214						
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300						
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182						
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL						
118-74-1	Hexachlorobenzene	E625	ug/kg	20						
120-12-7	Anthracene	E625	ug/kg	46.9						
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117						
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6						
129-00-0	Pyrene	E625	ug/kg	153						
131-11-3	Dimethylphthalate	E625	ug/kg	NL						
132-64-9	Dibenzofuran	E625	ug/kg	7300						
1912-24-9	Atrazine	E625	ug/kg	6.62						
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170						
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17						
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148						
206-44-0	Fluoranthene	E625	ug/kg	113						
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240						

				sys_loc_code:	B54		B55		B56	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B54 0-12		B55 0-12		B56 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/27/2009		07/08/2009		07/08/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
208-96-8	Acenaphthylene	E625	ug/kg	5.87						
218-01-9	Chrysene	E625	ug/kg	108						
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8						
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200						
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611						
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22						
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8						
58-90-2	Chlorophenols	E625	ug/kg	284						
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000						
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120						
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4						
67-72-1	Hexachloroethane	E625	ug/kg	804						
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL						
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139						
78-59-1	Isophorone	E625	ug/kg	511000						
83-32-9	Acenaphthene	E625	ug/kg	6.71						
84-66-2	Diethylphthalate	E625	ug/kg	218						
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160						
85-01-8	Phenanthrene	E625	ug/kg	86.7						
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800						
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100						
86-73-7	Fluorene	E625	ug/kg	19						
86-74-8	Carbazole	E625	ug/kg	NL						
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110						
87-86-5	Pentachlorophenol	E625	ug/kg	2970						
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650						
88-74-4	2-Nitroaniline	E625	ug/kg	60600						
88-75-5	2-Nitrophenol	E625	ug/kg	NL						
91-20-3	Naphthalene	E625	ug/kg	34.6						
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2						
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000						
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080						
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220						

				sys_loc_code:	B54		B55		B56	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B54 0-12		B55 0-12		B56 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/27/2009		07/08/2009		07/08/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
95-48-7	2-Methylphenol	E625	ug/kg	306000						
95-57-8	2-Chlorophenol	E625	ug/kg	344						
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830						
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819						
98-86-2	Acetophenone	E625	ug/kg	782000						
98-95-3	Nitrobenzene	E625	ug/kg	4790						
99-09-2	3-Nitroaniline	E625	ug/kg	NL						

				sys_loc_code:	B58		B59		B60	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B58 0-12		B59 0-12		B60 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/27/2009		07/27/2009		07/27/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
7429-90-5	Aluminum	C200.7	mg/kg	7740						
7440-36-0	Antimony	C200.7	mg/kg	2						
7440-38-2	Arsenic	C200.7	mg/kg	0.389						
7440-39-3	Barium	C200.7	mg/kg	130.1						
7440-41-7	Beryllium	C200.7	mg/kg	15.6						
7440-43-9	Cadmium	C200.7	mg/kg	0.68						
7440-70-2	Calcium	C200.7	mg/kg	NL						
7440-47-3	Chromium	C200.7	mg/kg	52.3						
7440-48-4	Cobalt	C200.7	mg/kg	2.34						
7440-50-8	Copper	C200.7	mg/kg	18.7						
7439-89-6	Iron	C200.7	mg/kg	2000						
7439-92-1	Lead	C200.7	mg/kg	30.2						
7439-95-4	Magnesium	C200.7	mg/kg	NL						
7439-96-5	Manganese	C200.7	mg/kg	183						
7440-02-0	Nickel	C200.7	mg/kg	15.9						
7440-09-7	Potassium	C200.7	mg/kg	NL						
7782-49-2	Selenium	C200.7	mg/kg	2						
7440-22-4	Silver	C200.7	mg/kg	0.73						
7440-23-5	Sodium	C200.7	mg/kg	NL						
7440-28-0	Thallium	C200.7	mg/kg	100000						
7440-31-5	Tin	C200.7	mg/kg	NL						
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548						
7440-66-6	Zinc	C200.7	mg/kg	124						
7429-90-5	Aluminum	E200.7	mg/kg	7740						
7440-36-0	Antimony	E200.7	mg/kg	2						
7440-38-2	Arsenic	E200.7	mg/kg	0.389						
7440-70-2	Calcium	E200.7	mg/kg	NL						
7440-47-3	Chromium	E200.7	mg/kg	52.3						
7440-50-8	Copper	E200.7	mg/kg	18.7						
7439-89-6	Iron	E200.7	mg/kg	2000						
7439-92-1	Lead	E200.7	mg/kg	30.2						
7439-95-4	Magnesium	E200.7	mg/kg	NL						
7439-96-5	Manganese	E200.7	mg/kg	183						

				sys_loc_code:	B58		B59		B60	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B58 0-12		B59 0-12		B60 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/27/2009		07/27/2009		07/27/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
7440-02-0	Nickel	E200.7	mg/kg	15.9						
7440-09-7	Potassium	E200.7	mg/kg	NL						
7440-22-4	Silver	E200.7	mg/kg	0.73						
7440-23-5	Sodium	E200.7	mg/kg	NL						
7440-31-5	Tin	E200.7	mg/kg	NL						
7440-66-6	Zinc	E200.7	mg/kg	124						
7440-36-0	Antimony	E200.8	mg/kg	2	1.2	U	1.2	U	1.2	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389	1.6		1.9		2.8	
7440-39-3	Barium	E200.8	mg/kg	130.1	2.2	J	2.4	J	2.3	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.08	J	0.1	J	0.14	J
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.14	J	0.078	J	0.17	J
7440-47-3	Chromium	E200.8	mg/kg	52.3	3.8	J	4.4	J	5.8	J
7440-48-4	Cobalt	E200.8	mg/kg	2.34	0.42	J	0.83		0.64	
7440-50-8	Copper	E200.8	mg/kg	18.7	9.7		11		17.3	
7439-92-1	Lead	E200.8	mg/kg	30.2	18	J	29.3	J	11.5	J
7439-96-5	Manganese	E200.8	mg/kg	183	17.2		14.4		14.7	
7440-02-0	Nickel	E200.8	mg/kg	15.9	1.3		2.2		3.5	
7782-49-2	Selenium	E200.8	mg/kg	2	0.61	U	0.61	U	0.6	U
7440-22-4	Silver	E200.8	mg/kg	0.73	0.3	UJ	0.3	UJ	0.3	UJ
7440-28-0	Thallium	E200.8	mg/kg	100000	0.61	U	0.61	U	0.6	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	6.4		7.5		8.2	
7440-66-6	Zinc	E200.8	mg/kg	124	24.4		21.6		27.2	
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.038	J	0.057		0.083	
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6						
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357						
309-00-2	Aldrin	CPEST	ug/kg	2						
319-84-6	Alpha-Bhc	CPEST	ug/kg	3						
319-85-7	Beta-Bhc	CPEST	ug/kg	3						
319-86-8	Delta-Bhc	CPEST	ug/kg	3						
33213-65-9	Endosulfan II	CPEST	ug/kg	14						
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19						
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7						
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7						

				sys_loc_code:	B58		B59		B60	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B58 0-12		B59 0-12		B60 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/27/2009		07/27/2009		07/27/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL						
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32						
60-57-1	Dieldrin	CPEST	ug/kg	0.72						
72-20-8	Endrin	CPEST	ug/kg	2.67						
72-43-5	Methoxychlor	CPEST	ug/kg	29.6						
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22						
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07						
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL						
76-44-8	Heptachlor	CPEST	ug/kg	68						
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1						
959-98-8	Endosulfan I	CPEST	ug/kg	2.9						
11096-82-5	Aroclor 1260	E608	ug/kg	21.6						
11097-69-1	Aroclor 1254	E608	ug/kg	23						
11100-14-4	Aroclor 1268	E608	ug/kg	21.6						
11104-28-2	Aroclor 1221	E608	ug/kg	21.6						
11141-16-5	Aroclor 1232	E608	ug/kg	21.6						
12672-29-6	Aroclor 1248	E608	ug/kg	21.6						
12674-11-2	Aroclor 1016	E608	ug/kg	21.6						
37324-23-5	Aroclor 1262	E608	ug/kg	21.6						
53469-21-9	Aroclor 1242	E608	ug/kg	21.6						
100-41-4	Ethylbenzene	E624	ug/kg	305						
100-42-5	Styrene	E624	ug/kg	7070						
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL						
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL						
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460						
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7						
107-06-2	1,2-Dichloroethane	E624	ug/kg	432						
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000						
108-87-2	Methylcyclohexane	E624	ug/kg	NL						
108-88-3	Toluene	E624	ug/kg	1090						
108-90-7	Chlorobenzene	E624	ug/kg	162						
110-82-7	Cyclohexane	E624	ug/kg	117000						
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473						

				sys_loc_code:	B58		B59		B60	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B58 0-12		B59 0-12		B60 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/27/2009		07/27/2009		07/27/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
123-91-1	1,4-Dioxane	E624	ug/kg	44100						
124-48-1	Dibromochloromethane	E624	ug/kg	680						
127-18-4	Tetrachloroethene	E624	ug/kg	190						
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200						
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300						
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300						
179601-23-1	m,p-Xylene	E624	ug/kg	NL						
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842						
56-23-5	Carbon tetrachloride	E624	ug/kg	248						
591-78-6	2-Hexanone	E624	ug/kg	20900						
67-64-1	Acetone	E624	ug/kg	6130000						
67-66-3	Chloroform	E624	ug/kg	295						
71-43-2	Benzene	E624	ug/kg	137						
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856						
74-83-9	Bromomethane	E624	ug/kg	732						
74-87-3	Chloromethane	E624	ug/kg	11900						
74-97-5	Bromochloromethane	E624	ug/kg	NL						
75-00-3	Chloroethane	E624	ug/kg	1450000						
75-01-4	Vinyl Chloride	E624	ug/kg	59.7						
75-09-2	Methylene chloride	E624	ug/kg	10700						
75-15-0	Carbon Disulfide	E624	ug/kg	0.851						
75-25-2	Bromoform	E624	ug/kg	1310						
75-27-4	Bromodichloromethane	E624	ug/kg	273						
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310						
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780						
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700						
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400						
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000						
78-87-5	1,2-Dichloropropane	E624	ug/kg	895						
78-93-3	2-Butanone	E624	ug/kg	2780000						
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570						
79-01-6	Trichloroethene	E624	ug/kg	1600						
79-20-9	Methyl Acetate	E624	ug/kg	7820000						

				sys_loc_code:	B58		B59		B60	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B58 0-12		B59 0-12		B60 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/27/2009		07/27/2009		07/27/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202						
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858						
95-47-6	o-Xylene	E624	ug/kg	NL						
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989						
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35						
98-82-8	Isopropylbenzene	E624	ug/kg	86						
100-01-6	4-Nitroaniline	E625	ug/kg	24300						
100-02-7	4-Nitrophenol	E625	ug/kg	NL						
100-52-7	Benzaldehyde	E625	ug/kg	782000						
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230						
105-60-2	Caprolactam	E625	ug/kg	3060000						
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29						
106-44-5	4-Methylphenol	E625	ug/kg	670						
106-47-8	4-Chloroaniline	E625	ug/kg	2430						
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570						
108-95-2	Phenol	E625	ug/kg	420						
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214						
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300						
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182						
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL						
118-74-1	Hexachlorobenzene	E625	ug/kg	20						
120-12-7	Anthracene	E625	ug/kg	46.9						
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117						
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6						
129-00-0	Pyrene	E625	ug/kg	153						
131-11-3	Dimethylphthalate	E625	ug/kg	NL						
132-64-9	Dibenzofuran	E625	ug/kg	7300						
1912-24-9	Atrazine	E625	ug/kg	6.62						
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170						
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17						
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148						
206-44-0	Fluoranthene	E625	ug/kg	113						
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240						

				sys_loc_code:	B58		B59		B60	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B58 0-12		B59 0-12		B60 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/27/2009		07/27/2009		07/27/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
208-96-8	Acenaphthylene	E625	ug/kg	5.87						
218-01-9	Chrysene	E625	ug/kg	108						
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8						
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200						
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611						
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22						
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8						
58-90-2	Chlorophenols	E625	ug/kg	284						
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000						
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120						
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4						
67-72-1	Hexachloroethane	E625	ug/kg	804						
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL						
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139						
78-59-1	Isophorone	E625	ug/kg	511000						
83-32-9	Acenaphthene	E625	ug/kg	6.71						
84-66-2	Diethylphthalate	E625	ug/kg	218						
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160						
85-01-8	Phenanthrene	E625	ug/kg	86.7						
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800						
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100						
86-73-7	Fluorene	E625	ug/kg	19						
86-74-8	Carbazole	E625	ug/kg	NL						
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110						
87-86-5	Pentachlorophenol	E625	ug/kg	2970						
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650						
88-74-4	2-Nitroaniline	E625	ug/kg	60600						
88-75-5	2-Nitrophenol	E625	ug/kg	NL						
91-20-3	Naphthalene	E625	ug/kg	34.6						
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2						
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000						
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080						
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220						

				sys_loc_code:	B58		B59		B60	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B58 0-12		B59 0-12		B60 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/27/2009		07/27/2009		07/27/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
95-48-7	2-Methylphenol	E625	ug/kg	306000						
95-57-8	2-Chlorophenol	E625	ug/kg	344						
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830						
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819						
98-86-2	Acetophenone	E625	ug/kg	782000						
98-95-3	Nitrobenzene	E625	ug/kg	4790						
99-09-2	3-Nitroaniline	E625	ug/kg	NL						

				sys_loc_code:	B61		B62		B63	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B61 0-12		B62 0-12		B63 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/27/2009		07/27/2009		07/27/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
7429-90-5	Aluminum	C200.7	mg/kg	7740						
7440-36-0	Antimony	C200.7	mg/kg	2						
7440-38-2	Arsenic	C200.7	mg/kg	0.389						
7440-39-3	Barium	C200.7	mg/kg	130.1						
7440-41-7	Beryllium	C200.7	mg/kg	15.6						
7440-43-9	Cadmium	C200.7	mg/kg	0.68						
7440-70-2	Calcium	C200.7	mg/kg	NL						
7440-47-3	Chromium	C200.7	mg/kg	52.3						
7440-48-4	Cobalt	C200.7	mg/kg	2.34						
7440-50-8	Copper	C200.7	mg/kg	18.7						
7439-89-6	Iron	C200.7	mg/kg	2000						
7439-92-1	Lead	C200.7	mg/kg	30.2						
7439-95-4	Magnesium	C200.7	mg/kg	NL						
7439-96-5	Manganese	C200.7	mg/kg	183						
7440-02-0	Nickel	C200.7	mg/kg	15.9						
7440-09-7	Potassium	C200.7	mg/kg	NL						
7782-49-2	Selenium	C200.7	mg/kg	2						
7440-22-4	Silver	C200.7	mg/kg	0.73						
7440-23-5	Sodium	C200.7	mg/kg	NL						
7440-28-0	Thallium	C200.7	mg/kg	100000						
7440-31-5	Tin	C200.7	mg/kg	NL						
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548						
7440-66-6	Zinc	C200.7	mg/kg	124						
7429-90-5	Aluminum	E200.7	mg/kg	7740						
7440-36-0	Antimony	E200.7	mg/kg	2						
7440-38-2	Arsenic	E200.7	mg/kg	0.389						
7440-70-2	Calcium	E200.7	mg/kg	NL						
7440-47-3	Chromium	E200.7	mg/kg	52.3						
7440-50-8	Copper	E200.7	mg/kg	18.7						
7439-89-6	Iron	E200.7	mg/kg	2000						
7439-92-1	Lead	E200.7	mg/kg	30.2						
7439-95-4	Magnesium	E200.7	mg/kg	NL						
7439-96-5	Manganese	E200.7	mg/kg	183						

				sys_loc_code:	B61		B62		B63	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B61 0-12		B62 0-12		B63 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/27/2009		07/27/2009		07/27/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
7440-02-0	Nickel	E200.7	mg/kg	15.9						
7440-09-7	Potassium	E200.7	mg/kg	NL						
7440-22-4	Silver	E200.7	mg/kg	0.73						
7440-23-5	Sodium	E200.7	mg/kg	NL						
7440-31-5	Tin	E200.7	mg/kg	NL						
7440-66-6	Zinc	E200.7	mg/kg	124						
7440-36-0	Antimony	E200.8	mg/kg	2	1.2	U	1.2	U	1.6	
7440-38-2	Arsenic	E200.8	mg/kg	0.389	3.8	J	2.2	J	2.7	
7440-39-3	Barium	E200.8	mg/kg	130.1	3.3	J	2.3	J	3.9	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.16	J	0.13	J	0.13	J
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.13	J	0.085	J	0.24	J
7440-47-3	Chromium	E200.8	mg/kg	52.3	6.4	J	4.9	J	5.3	J
7440-48-4	Cobalt	E200.8	mg/kg	2.34	0.81	J	0.76	J	0.7	J
7440-50-8	Copper	E200.8	mg/kg	18.7	9.2	J	5.8	J	18.3	J
7439-92-1	Lead	E200.8	mg/kg	30.2	16.6	J	15.9	J	62.4	J
7439-96-5	Manganese	E200.8	mg/kg	183	21.4	J	16.9	J	13.5	J
7440-02-0	Nickel	E200.8	mg/kg	15.9	2.4	J	2.2	J	3.1	
7782-49-2	Selenium	E200.8	mg/kg	2	0.6	U	0.61	U	0.37	J
7440-22-4	Silver	E200.8	mg/kg	0.73	0.3	UJ	0.3	UJ	0.23	J
7440-28-0	Thallium	E200.8	mg/kg	100000	0.6	U	0.61	U	0.63	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	11	J	9.4	J	7.7	J
7440-66-6	Zinc	E200.8	mg/kg	124	30	J	24.1	J	35.3	
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.084		0.037	U	0.037	U
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6						
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357						
309-00-2	Aldrin	CPEST	ug/kg	2						
319-84-6	Alpha-Bhc	CPEST	ug/kg	3						
319-85-7	Beta-Bhc	CPEST	ug/kg	3						
319-86-8	Delta-Bhc	CPEST	ug/kg	3						
33213-65-9	Endosulfan II	CPEST	ug/kg	14						
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19						
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7						
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7						

				sys_loc_code:	B61		B62		B63	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B61 0-12		B62 0-12		B63 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/27/2009		07/27/2009		07/27/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL						
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32						
60-57-1	Dieldrin	CPEST	ug/kg	0.72						
72-20-8	Endrin	CPEST	ug/kg	2.67						
72-43-5	Methoxychlor	CPEST	ug/kg	29.6						
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22						
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07						
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL						
76-44-8	Heptachlor	CPEST	ug/kg	68						
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1						
959-98-8	Endosulfan I	CPEST	ug/kg	2.9						
11096-82-5	Aroclor 1260	E608	ug/kg	21.6						
11097-69-1	Aroclor 1254	E608	ug/kg	23						
11100-14-4	Aroclor 1268	E608	ug/kg	21.6						
11104-28-2	Aroclor 1221	E608	ug/kg	21.6						
11141-16-5	Aroclor 1232	E608	ug/kg	21.6						
12672-29-6	Aroclor 1248	E608	ug/kg	21.6						
12674-11-2	Aroclor 1016	E608	ug/kg	21.6						
37324-23-5	Aroclor 1262	E608	ug/kg	21.6						
53469-21-9	Aroclor 1242	E608	ug/kg	21.6						
100-41-4	Ethylbenzene	E624	ug/kg	305						
100-42-5	Styrene	E624	ug/kg	7070						
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL						
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL						
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460						
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7						
107-06-2	1,2-Dichloroethane	E624	ug/kg	432						
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000						
108-87-2	Methylcyclohexane	E624	ug/kg	NL						
108-88-3	Toluene	E624	ug/kg	1090						
108-90-7	Chlorobenzene	E624	ug/kg	162						
110-82-7	Cyclohexane	E624	ug/kg	117000						
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473						

				sys_loc_code:	B61		B62		B63	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B61 0-12		B62 0-12		B63 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/27/2009		07/27/2009		07/27/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
123-91-1	1,4-Dioxane	E624	ug/kg	44100						
124-48-1	Dibromochloromethane	E624	ug/kg	680						
127-18-4	Tetrachloroethene	E624	ug/kg	190						
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200						
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300						
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300						
179601-23-1	m,p-Xylene	E624	ug/kg	NL						
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842						
56-23-5	Carbon tetrachloride	E624	ug/kg	248						
591-78-6	2-Hexanone	E624	ug/kg	20900						
67-64-1	Acetone	E624	ug/kg	6130000						
67-66-3	Chloroform	E624	ug/kg	295						
71-43-2	Benzene	E624	ug/kg	137						
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856						
74-83-9	Bromomethane	E624	ug/kg	732						
74-87-3	Chloromethane	E624	ug/kg	11900						
74-97-5	Bromochloromethane	E624	ug/kg	NL						
75-00-3	Chloroethane	E624	ug/kg	1450000						
75-01-4	Vinyl Chloride	E624	ug/kg	59.7						
75-09-2	Methylene chloride	E624	ug/kg	10700						
75-15-0	Carbon Disulfide	E624	ug/kg	0.851						
75-25-2	Bromoform	E624	ug/kg	1310						
75-27-4	Bromodichloromethane	E624	ug/kg	273						
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310						
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780						
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700						
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400						
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000						
78-87-5	1,2-Dichloropropane	E624	ug/kg	895						
78-93-3	2-Butanone	E624	ug/kg	2780000						
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570						
79-01-6	Trichloroethene	E624	ug/kg	1600						
79-20-9	Methyl Acetate	E624	ug/kg	7820000						

				sys_loc_code:	B61		B62		B63	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B61 0-12		B62 0-12		B63 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/27/2009		07/27/2009		07/27/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202						
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858						
95-47-6	o-Xylene	E624	ug/kg	NL						
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989						
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35						
98-82-8	Isopropylbenzene	E624	ug/kg	86						
100-01-6	4-Nitroaniline	E625	ug/kg	24300						
100-02-7	4-Nitrophenol	E625	ug/kg	NL						
100-52-7	Benzaldehyde	E625	ug/kg	782000						
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230						
105-60-2	Caprolactam	E625	ug/kg	3060000						
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29						
106-44-5	4-Methylphenol	E625	ug/kg	670						
106-47-8	4-Chloroaniline	E625	ug/kg	2430						
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570						
108-95-2	Phenol	E625	ug/kg	420						
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214						
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300						
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182						
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL						
118-74-1	Hexachlorobenzene	E625	ug/kg	20						
120-12-7	Anthracene	E625	ug/kg	46.9						
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117						
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6						
129-00-0	Pyrene	E625	ug/kg	153						
131-11-3	Dimethylphthalate	E625	ug/kg	NL						
132-64-9	Dibenzofuran	E625	ug/kg	7300						
1912-24-9	Atrazine	E625	ug/kg	6.62						
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170						
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17						
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148						
206-44-0	Fluoranthene	E625	ug/kg	113						
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240						

				sys_loc_code:	B61		B62		B63	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B61 0-12		B62 0-12		B63 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/27/2009		07/27/2009		07/27/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
208-96-8	Acenaphthylene	E625	ug/kg	5.87						
218-01-9	Chrysene	E625	ug/kg	108						
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8						
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200						
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611						
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22						
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8						
58-90-2	Chlorophenols	E625	ug/kg	284						
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000						
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120						
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4						
67-72-1	Hexachloroethane	E625	ug/kg	804						
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL						
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139						
78-59-1	Isophorone	E625	ug/kg	511000						
83-32-9	Acenaphthene	E625	ug/kg	6.71						
84-66-2	Diethylphthalate	E625	ug/kg	218						
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160						
85-01-8	Phenanthrene	E625	ug/kg	86.7						
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800						
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100						
86-73-7	Fluorene	E625	ug/kg	19						
86-74-8	Carbazole	E625	ug/kg	NL						
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110						
87-86-5	Pentachlorophenol	E625	ug/kg	2970						
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650						
88-74-4	2-Nitroaniline	E625	ug/kg	60600						
88-75-5	2-Nitrophenol	E625	ug/kg	NL						
91-20-3	Naphthalene	E625	ug/kg	34.6						
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2						
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000						
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080						
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220						

				sys_loc_code:	B61		B62		B63	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	B61 0-12		B62 0-12		B63 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/27/2009		07/27/2009		07/27/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
95-48-7	2-Methylphenol	E625	ug/kg	306000						
95-57-8	2-Chlorophenol	E625	ug/kg	344						
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830						
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819						
98-86-2	Acetophenone	E625	ug/kg	782000						
98-95-3	Nitrobenzene	E625	ug/kg	4790						
99-09-2	3-Nitroaniline	E625	ug/kg	NL						

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				sys_loc_code:	S207		S208		S209		S207	
				loc_name:	Area-06		Area-06		Area-06		Area-06	
				sys_sample_code:	RBS-S207C		RBS-S208C		RBS-S209C		RBS-S207D	
				depth:	12-18 in		12-18 in		12-18 in		18-2 in	
				sample_date:	04/23/2009		04/23/2009		04/23/2009		04/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-Soil								
7429-90-5	Aluminum	C200.7	mg/kg	3900	1390		1040		602		1480	
7440-36-0	Antimony	C200.7	mg/kg	0.142	0.63	J	0.35	J	0.28	J	0.54	J
7440-38-2	Arsenic	C200.7	mg/kg	0.389	7.6	J	2.1	J	2.7	J	5.7	J
7440-39-3	Barium	C200.7	mg/kg	1.04	2.6	J	1.7	J	2.3	J	1.6	J
7440-41-7	Beryllium	C200.7	mg/kg	0.5	0.2	J	0.49	J	0.25	J	0.22	J
7440-43-9	Cadmium	C200.7	mg/kg	0.00222	0.53	U	0.61	U	0.57	U	0.55	U
7440-70-2	Calcium	C200.7	mg/kg	995	95.5	J	121	J	105	J	91.8	J
7440-47-3	Chromium	C200.7	mg/kg	0.4	11.1		12.8		4.4		12.1	
7440-48-4	Cobalt	C200.7	mg/kg	0.14	1.2	J	0.9	J	0.48	J	0.77	J
7440-50-8	Copper	C200.7	mg/kg	5.4	7.1	J	4.6	J	2.1	J	6.5	J
7439-89-6	Iron	C200.7	mg/kg	5480	15800		9350		11200		13200	
7439-92-1	Lead	C200.7	mg/kg	0.0537	25.5	R	24.4	R	3	R	14.1	R
7439-95-4	Magnesium	C200.7	mg/kg	673	214	J	219	J	190	J	179	J
7439-96-5	Manganese	C200.7	mg/kg	42	74.2		31		7.4		61.8	
7440-02-0	Nickel	C200.7	mg/kg	12.3	3.4	J	2.1	J	0.98	J	3.8	J
7440-09-7	Potassium	C200.7	mg/kg	1750	96.2	J	88.4	J	99.6	J	90.7	J
7782-49-2	Selenium	C200.7	mg/kg	0.0276	3.7	U	4.3	U	4	U	3.9	U
7440-22-4	Silver	C200.7	mg/kg	1	1.1	U	1.2	U	1.1	U	1.1	U
7440-23-5	Sodium	C200.7	mg/kg		396	J	1100		983		517	J
7440-28-0	Thallium	C200.7	mg/kg	0.0569	2.6	U	3	U	2.9	U	2.8	U
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548	20.3		11.9		12.3		23.6	
7440-66-6	Zinc	C200.7	mg/kg	6.62	29	J	13	J	4.8	J	28.8	J

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				sys_loc_code:	S207		S208		S209	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	RBS-S207E		RBS-S208D		RBS-S209D	
				depth:	18-2 in		18-2 in		18-2 in	
				sample_date:	04/23/2009		04/23/2009		04/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-Soil						
7429-90-5	Aluminum	C200.7	mg/kg	3900	1910		598		434	
7440-36-0	Antimony	C200.7	mg/kg	0.142	0.96	J	0.25	J	7.5	U
7440-38-2	Arsenic	C200.7	mg/kg	0.389	12.1	J	1.7	J	1.3	UJ
7440-39-3	Barium	C200.7	mg/kg	1.04	2.5	J	1.7	J	2.2	J
7440-41-7	Beryllium	C200.7	mg/kg	0.5	0.29	J	0.4	J	0.15	J
7440-43-9	Cadmium	C200.7	mg/kg	0.00222	0.51	U	0.6	U	0.62	U
7440-70-2	Calcium	C200.7	mg/kg	995	1770		102	J	101	J
7440-47-3	Chromium	C200.7	mg/kg	0.4	10.4		5		2.8	
7440-48-4	Cobalt	C200.7	mg/kg	0.14	2.5	J	0.39	J	6.2	U
7440-50-8	Copper	C200.7	mg/kg	5.4	4.3	J	2.9	J	1.1	J
7439-89-6	Iron	C200.7	mg/kg	5480	34900		6240		3740	
7439-92-1	Lead	C200.7	mg/kg	0.0537	3.5	R	12	R	2.5	R
7439-95-4	Magnesium	C200.7	mg/kg	673	769		198	J	202	J
7439-96-5	Manganese	C200.7	mg/kg	42	59.6		14.2		4.6	
7440-02-0	Nickel	C200.7	mg/kg	12.3	4.3		1	J	0.55	J
7440-09-7	Potassium	C200.7	mg/kg	1750	279	J	92	J	98.1	J
7782-49-2	Selenium	C200.7	mg/kg	0.0276	3.6	U	4.2	U	4.4	U
7440-22-4	Silver	C200.7	mg/kg	1	1	U	1.2	U	1.2	U
7440-23-5	Sodium	C200.7	mg/kg		319	J	966		1280	
7440-28-0	Thallium	C200.7	mg/kg	0.0569	0.58	J	3	U	3.1	U
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548	48.1		12.6		6.8	
7440-66-6	Zinc	C200.7	mg/kg	6.62	21.1	J	8	J	2.9	J

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				sys_loc_code:	S100		S101		S102		S103	
				loc_name:	Area-06		Area-06		Area-06		Area-06	
				sys_sample_code:	RBS-S100		RBS-S101		RBS-S102		RBS-S103	
				depth:	0-2 in		0-2 in		0-2 in		0-2 in	
				sample_date:	04/20/2009		04/20/2009		04/20/2009		04/20/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-Soil								
7429-90-5	Aluminum	C200.7	mg/kg	3900	1270		977		1180		856	
7440-36-0	Antimony	C200.7	mg/kg	0.142	6.1	U	6.2	U	6.2	U	6.1	U
7440-38-2	Arsenic	C200.7	mg/kg	0.389	3.3		2.7		4.7		2.1	
7440-39-3	Barium	C200.7	mg/kg	1.04	20.2	UJ	20.7	UJ	20.8	UJ	20.2	UJ
7440-41-7	Beryllium	C200.7	mg/kg	0.5	0.51	U	0.52	U	0.52	U	0.51	U
7440-43-9	Cadmium	C200.7	mg/kg	0.00222	0.51	U	0.52	U	0.52	U	0.51	U
7440-70-2	Calcium	C200.7	mg/kg	995	506	UJ	973	J	521	UJ	506	UJ
7440-47-3	Chromium	C200.7	mg/kg	0.4	10.3		7.9		8.8		7.1	
7440-48-4	Cobalt	C200.7	mg/kg	0.14	1.2	J	0.97	J	1.1	J	0.94	J
7440-50-8	Copper	C200.7	mg/kg	5.4	1.3	J	1.7	J	1.4	J	1.2	J
7439-89-6	Iron	C200.7	mg/kg	5480	13300		11500		22500		9600	
7439-92-1	Lead	C200.7	mg/kg	0.0537	2.6		2.8		3.6		3.7	
7439-95-4	Magnesium	C200.7	mg/kg	673	464	J	369	J	509	J	349	J
7439-96-5	Manganese	C200.7	mg/kg	42	35		31.9		88.7		26.1	
7440-02-0	Nickel	C200.7	mg/kg	12.3	4	J	1.4	J	1.9	J	1.7	J
7440-09-7	Potassium	C200.7	mg/kg	1750	506	UJ	517	UJ	521	UJ	506	UJ
7782-49-2	Selenium	C200.7	mg/kg	0.0276	3.5	U	3.6	U	3.6	U	3.5	U
7440-22-4	Silver	C200.7	mg/kg	1	1	U	1.2	J	1	UJ	1.3	
7440-23-5	Sodium	C200.7	mg/kg		506	U	517	U	521	U	506	U
7440-28-0	Thallium	C200.7	mg/kg	0.0569	2.5	U	2.6	U	2.6	U	2.5	U
7440-31-5	Tin	C200.7	mg/kg									
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548	19		16.9		25.8		14.8	
7440-66-6	Zinc	C200.7	mg/kg	6.62	10.5	J	8.8	J	12.7	J	7.3	J

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				sys_loc_code:	S104		S105		S106		S142	
				loc_name:	Area-06		Area-06		Area-06		Area-06	
				sys_sample_code:	RBS-S104		RBS-S105		RBS-S106		RBS-S142	
				depth:	0-2 in		0-2 in		0-2 in		0-2 in	
				sample_date:	04/20/2009		04/20/2009		04/20/2009		04/20/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-Soil								
7429-90-5	Aluminum	C200.7	mg/kg	3900	1140		1040		1050		1710	J
7440-36-0	Antimony	C200.7	mg/kg	0.142	6.1	U	6.1	U	6.1	U	6.1	UJ
7440-38-2	Arsenic	C200.7	mg/kg	0.389	2.3		2.3		2.2		2.4	J
7440-39-3	Barium	C200.7	mg/kg	1.04	20.3	UJ	20.2	UJ	20.2	UJ	2.8	J
7440-41-7	Beryllium	C200.7	mg/kg	0.5	0.51	U	0.51	U	0.5	U	0.51	U
7440-43-9	Cadmium	C200.7	mg/kg	0.00222	0.51	U	0.51	U	0.5	U	0.51	U
7440-70-2	Calcium	C200.7	mg/kg	995	329	J	485	J	907	J	1830	
7440-47-3	Chromium	C200.7	mg/kg	0.4	5.9		5.3		7.1		7.3	J
7440-48-4	Cobalt	C200.7	mg/kg	0.14	1.1	J	0.95	J	0.97	J	1.3	J
7440-50-8	Copper	C200.7	mg/kg	5.4	0.94	J	0.92	J	0.86	J	1	J
7439-89-6	Iron	C200.7	mg/kg	5480	6130		8230		7690		6670	
7439-92-1	Lead	C200.7	mg/kg	0.0537	2.7		3.2		2.7		1.7	
7439-95-4	Magnesium	C200.7	mg/kg	673	558	J	498	J	474	J	755	
7439-96-5	Manganese	C200.7	mg/kg	42	34.2		28		31.1		33.1	
7440-02-0	Nickel	C200.7	mg/kg	12.3	1.9	J	2	J	1.7	J	2.7	J
7440-09-7	Potassium	C200.7	mg/kg	1750	663	J	523	J	575	J	993	
7782-49-2	Selenium	C200.7	mg/kg	0.0276	3.5	U	3.5	U	3.5	U	3.6	U
7440-22-4	Silver	C200.7	mg/kg	1	1	U	1	U	1.2		1.9	J
7440-23-5	Sodium	C200.7	mg/kg		507	U	506	U	504	U	12	J
7440-28-0	Thallium	C200.7	mg/kg	0.0569	2.5	U	2.5	U	2.5	U	2.6	U
7440-31-5	Tin	C200.7	mg/kg									
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548	8		11.4		10.3		8.7	
7440-66-6	Zinc	C200.7	mg/kg	6.62	9.1	J	8	J	8.9	J	8.5	J

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				sys_loc_code:	S143		S207		S208		S209	
				loc_name:	Area-06		Area-06		Area-06		Area-06	
				sys_sample_code:	RBS-S143		RBS-S207A		RBS-S208A		RBS-S209A	
				depth:	0-2 in		0-2 in		0-2 in		0-2 in	
				sample_date:	04/20/2009		04/23/2009		04/23/2009		04/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-Soil								
7429-90-5	Aluminum	C200.7	mg/kg	3900	1730	J	1090		899		639	
7440-36-0	Antimony	C200.7	mg/kg	0.142	6.3	UJ	0.22	J	0.23	J	0.32	J
7440-38-2	Arsenic	C200.7	mg/kg	0.389	2.1	J	2.9	J	1.4	J	2	J
7440-39-3	Barium	C200.7	mg/kg	1.04	6.1	J	1.8	J	1.8	J	3.1	J
7440-41-7	Beryllium	C200.7	mg/kg	0.5	0.53	U	0.17	J	0.14	J	0.34	J
7440-43-9	Cadmium	C200.7	mg/kg	0.00222	0.53	U	0.52	U	0.52	U	0.53	U
7440-70-2	Calcium	C200.7	mg/kg	995	915		2470		522	J	117	J
7440-47-3	Chromium	C200.7	mg/kg	0.4	5.3	J	7.1		4.4		5.2	
7440-48-4	Cobalt	C200.7	mg/kg	0.14	1.1	J	1.3	J	0.89	J	0.51	J
7440-50-8	Copper	C200.7	mg/kg	5.4	7.7		2.1	J	1.2	J	3.7	J
7439-89-6	Iron	C200.7	mg/kg	5480	7460		9560		5360		8350	
7439-92-1	Lead	C200.7	mg/kg	0.0537	9.2		2.4	R	2.1	R	2.8	R
7439-95-4	Magnesium	C200.7	mg/kg	673	600		507	J	434	J	165	J
7439-96-5	Manganese	C200.7	mg/kg	42	26.2		35.7		28.1		10	
7440-02-0	Nickel	C200.7	mg/kg	12.3	2.6	J	3.3	J	2	J	1	J
7440-09-7	Potassium	C200.7	mg/kg	1750	184	J	291	J	312	J	88.6	J
7782-49-2	Selenium	C200.7	mg/kg	0.0276	3.7	U	3.6	U	3.7	U	3.7	U
7440-22-4	Silver	C200.7	mg/kg	1	2.4	J	1	U	1	U	1.1	U
7440-23-5	Sodium	C200.7	mg/kg		59.4	J	303	J	290	J	547	
7440-28-0	Thallium	C200.7	mg/kg	0.0569	2.6	U	2.6	U	2.6	U	2.6	U
7440-31-5	Tin	C200.7	mg/kg									
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548	11.1		13.2		6.6		13.6	
7440-66-6	Zinc	C200.7	mg/kg	6.62	19.6	J	9.1	J	6.6	J	6.3	J

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				sys_loc_code:	S37		S38		S39		S40	
				loc_name:	Area-06		Area-06		Area-06		Area-06	
				sys_sample_code:	RBS-S37		RBS-S38		RBS-S39		RBS-S40	
				depth:	0-2 in		0-2 in		0-2 in		0-2 in	
				sample_date:	09/12/2008		09/12/2008		09/12/2008		09/12/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-Soil								
7429-90-5	Aluminum	C200.7	mg/kg	3900	956	J	960	J	571	J	645	J
7440-36-0	Antimony	C200.7	mg/kg	0.142	6.1	UJ	6.1	UJ	6	UJ	6	UJ
7440-38-2	Arsenic	C200.7	mg/kg	0.389	9.2		3.5		2.1		2.4	
7440-39-3	Barium	C200.7	mg/kg	1.04	20.3	UJ	20.2	UJ	20.1	UJ	20.1	UJ
7440-41-7	Beryllium	C200.7	mg/kg	0.5	0.51	U	0.51	U	0.5	U	0.5	U
7440-43-9	Cadmium	C200.7	mg/kg	0.00222	0.51	U	0.51	U	0.5	U	0.5	U
7440-70-2	Calcium	C200.7	mg/kg	995	187	J	60.1	J	40.9	J	209	J
7440-47-3	Chromium	C200.7	mg/kg	0.4	14.5		12.9		7		4.9	
7440-48-4	Cobalt	C200.7	mg/kg	0.14	5.1	U	5.1	U	5	U	5	U
7440-50-8	Copper	C200.7	mg/kg	5.4	15		4.4		1.8	J	1.9	J
7439-89-6	Iron	C200.7	mg/kg	5480	15800		15000		9240		7150	
7439-92-1	Lead	C200.7	mg/kg	0.0537	50.6	J	28.3	J	13.6	J	29.1	J
7439-95-4	Magnesium	C200.7	mg/kg	673	148	J	120	J	72.1	J	205	J
7439-96-5	Manganese	C200.7	mg/kg	42	25.9		19		10.2		23.7	
7440-02-0	Nickel	C200.7	mg/kg	12.3	2.1	J	1.3	J	0.59	J	0.98	J
7440-09-7	Potassium	C200.7	mg/kg	1750	139	J	128	J	107	J	192	J
7782-49-2	Selenium	C200.7	mg/kg	0.0276	3.5	U	3.5	U	3.5	U	3.5	U
7440-22-4	Silver	C200.7	mg/kg	1	0.14	J	1	UJ	1	UJ	1	UJ
7440-23-5	Sodium	C200.7	mg/kg		11.5	J	6.9	J	6.4	J	35.6	J
7440-28-0	Thallium	C200.7	mg/kg	0.0569	2.5	U	2.5	U	2.5	U	2.5	U
7440-31-5	Tin	C200.7	mg/kg		10.1	U	10.1	U	10.1	U	10.1	U
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548	22.1		21		15.4		10.6	
7440-66-6	Zinc	C200.7	mg/kg	6.62	17.1	J	16.5	J	7.8	J	11.7	J

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				sys_loc_code:	S41		S42		S43		S44				
				loc_name:	Area-06		Area-06		Area-06		Area-06				
				sys_sample_code:	RBS-S41		RBS-S42		RBS-S43		RBS-S44				
				depth:	0-2 in		0-2 in		0-2 in		0-2 in				
				sample_date:	09/12/2008		09/12/2008		09/12/2008		09/12/2008				
cas_rn	chemical_name	analytic_method	result_unit	Raritan-Soil											
7429-90-5	Aluminum	C200.7	mg/kg	3900	780	J	1110	J	929	J	1030	J			
7440-36-0	Antimony	C200.7	mg/kg	0.142	6	UJ	6.1	UJ	6.1	UJ	6	UJ			
7440-38-2	Arsenic	C200.7	mg/kg	0.389	3.6		3.6		2.1		2.3				
7440-39-3	Barium	C200.7	mg/kg	1.04	20	UJ	20.3	UJ	20.3	UJ	20	UJ			
7440-41-7	Beryllium	C200.7	mg/kg	0.5	0.5	U	0.51	U	0.51	U	0.5	U			
7440-43-9	Cadmium	C200.7	mg/kg	0.00222	0.5	U	0.51	U	0.51	U	0.5	U			
7440-70-2	Calcium	C200.7	mg/kg	995	197	J	468	J	610		687				
7440-47-3	Chromium	C200.7	mg/kg	0.4	8.6		9.8		5.4		7.5				
7440-48-4	Cobalt	C200.7	mg/kg	0.14	5	U	5.1	U	5.1	U	5	U			
7440-50-8	Copper	C200.7	mg/kg	5.4	4.1		7.3		2.2	J	0.91	J			
7439-89-6	Iron	C200.7	mg/kg	5480	12700		16200		7420		6030				
7439-92-1	Lead	C200.7	mg/kg	0.0537	55.3	J	94.1	J	12.9	J	3.8	J			
7439-95-4	Magnesium	C200.7	mg/kg	673	152	J	213	J	410	J	493	J			
7439-96-5	Manganese	C200.7	mg/kg	42	21.8		32		26		26.5				
7440-02-0	Nickel	C200.7	mg/kg	12.3	1.4	J	2	J	1.9	J	2.1	J			
7440-09-7	Potassium	C200.7	mg/kg	1750	133	J	126	J	347	J	476	J			
7782-49-2	Selenium	C200.7	mg/kg	0.0276	3.5	U	3.6	U	3.6	U	0.63	J			
7440-22-4	Silver	C200.7	mg/kg	1	1	UJ	1	UJ	1	UJ	1	UJ			
7440-23-5	Sodium	C200.7	mg/kg		16.5	J	29.6	J	18.8	J	25.4	J			
7440-28-0	Thallium	C200.7	mg/kg	0.0569	2.5	U	2.5	U	2.5	U	2.5	U			
7440-31-5	Tin	C200.7	mg/kg		10	U	10.2	U	10.2	U	10	U			
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548	18.1		15.4		9.5		8.7				
7440-66-6	Zinc	C200.7	mg/kg	6.62	15.4	J	31.3	J	10.5	J	8	J			

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				sys_loc_code:	S45		S46		S47		S48				
				loc_name:	Area-06		Area-06		Area-06		Area-06				
				sys_sample_code:	RBS-S45		RBS-S46		RBS-S47		RBS-S48				
				depth:	0-2 in		0-2 in		0-2 in		0-2 in				
				sample_date:	09/12/2008		09/12/2008		09/12/2008		09/12/2008				
cas_rn	chemical_name	analytic_method	result_unit	Raritan-Soil											
7429-90-5	Aluminum	C200.7	mg/kg	3900	1270	J	993	J	1020	J	1050	J			
7440-36-0	Antimony	C200.7	mg/kg	0.142	6.2	UJ	6.5	UJ	6.5	UJ	6.3	UJ			
7440-38-2	Arsenic	C200.7	mg/kg	0.389	4.2		2.2		2.3		2.4				
7440-39-3	Barium	C200.7	mg/kg	1.04	20.6	UJ	21.8	UJ	21.8	UJ	21.1	UJ			
7440-41-7	Beryllium	C200.7	mg/kg	0.5	0.51	U	0.55	U	0.54	U	0.53	U			
7440-43-9	Cadmium	C200.7	mg/kg	0.00222	0.51	U	0.55	U	0.54	U	0.53	U			
7440-70-2	Calcium	C200.7	mg/kg	995	740		376	J	1450		2060				
7440-47-3	Chromium	C200.7	mg/kg	0.4	7		6		3.7		4				
7440-48-4	Cobalt	C200.7	mg/kg	0.14	5.1	U	5.5	U	5.4	U	5.3	U			
7440-50-8	Copper	C200.7	mg/kg	5.4	1.1	J	0.7	J	0.79	J	1.5	J			
7439-89-6	Iron	C200.7	mg/kg	5480	6730		6750		6550		8320				
7439-92-1	Lead	C200.7	mg/kg	0.0537	4.9	J	2.2	J	1.7	J	2	J			
7439-95-4	Magnesium	C200.7	mg/kg	673	641		527	J	499	J	582				
7439-96-5	Manganese	C200.7	mg/kg	42	30.2		52.5		41.8		49				
7440-02-0	Nickel	C200.7	mg/kg	12.3	2.6	J	2.6	J	2.6	J	2.6	J			
7440-09-7	Potassium	C200.7	mg/kg	1750	646		376	J	267	J	283	J			
7782-49-2	Selenium	C200.7	mg/kg	0.0276	3.6	U	0.74	J	3.8	U	3.7	U			
7440-22-4	Silver	C200.7	mg/kg	1	1	UJ	1.1	UJ	1.1	UJ	0.26	J			
7440-23-5	Sodium	C200.7	mg/kg		23.3	J	667		539	J	486	J			
7440-28-0	Thallium	C200.7	mg/kg	0.0569	2.6	U	2.7	U	2.7	U	2.6	U			
7440-31-5	Tin	C200.7	mg/kg		10.3	U	10.9	U	10.9	U	10.6	U			
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548	9.1		8.2		6.3		10.6				
7440-66-6	Zinc	C200.7	mg/kg	6.62	9.5	J	9.6	J	7.6	J	9	J			

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				sys_loc_code:	S49		S50		S51		S52	
				loc_name:	Area-06		Area-06		Area-06		Area-06	
				sys_sample_code:	RBS-S49		RBS-S50		RBS-S51		RBS-S52	
				depth:	0-2 in		0-2 in		0-2 in		0-2 in	
				sample_date:	09/12/2008		09/12/2008		09/12/2008		09/12/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-Soil								
7429-90-5	Aluminum	C200.7	mg/kg	3900	1090	J	1120	J	1570	J	1200	J
7440-36-0	Antimony	C200.7	mg/kg	0.142	6.2	UJ	6.2	UJ	6.1	UJ	6	UJ
7440-38-2	Arsenic	C200.7	mg/kg	0.389	1.9		3		2		4.1	
7440-39-3	Barium	C200.7	mg/kg	1.04	20.7	UJ	20.7	UJ	20.2	UJ	20.1	UJ
7440-41-7	Beryllium	C200.7	mg/kg	0.5	0.52	U	0.52	U	0.5	U	0.5	U
7440-43-9	Cadmium	C200.7	mg/kg	0.00222	0.52	U	0.52	U	0.5	U	0.5	U
7440-70-2	Calcium	C200.7	mg/kg	995	6810		6350		3260		4250	
7440-47-3	Chromium	C200.7	mg/kg	0.4	3.5		6.2		5.4		6.6	
7440-48-4	Cobalt	C200.7	mg/kg	0.14	5.2	U	5.2	U	5	U	5	U
7440-50-8	Copper	C200.7	mg/kg	5.4	1.1	J	2.6		2	J	2	J
7439-89-6	Iron	C200.7	mg/kg	5480	6650		11900		8210		18400	J
7439-92-1	Lead	C200.7	mg/kg	0.0537	2	J	2.2	J	11.6	J	3.8	J
7439-95-4	Magnesium	C200.7	mg/kg	673	621		579		795		682	
7439-96-5	Manganese	C200.7	mg/kg	42	43.4		44.1		42.6		54.7	
7440-02-0	Nickel	C200.7	mg/kg	12.3	1.8	J	1.6	J	3	J	2.4	J
7440-09-7	Potassium	C200.7	mg/kg	1750	330	J	140	J	567		216	J
7782-49-2	Selenium	C200.7	mg/kg	0.0276	3.6	U	3.6	U	3.5	U	3.5	U
7440-22-4	Silver	C200.7	mg/kg	1	1	UJ	0.18	J	0.18	J	0.19	J
7440-23-5	Sodium	C200.7	mg/kg		380	J	336	J	312	J	82.8	J
7440-28-0	Thallium	C200.7	mg/kg	0.0569	2.6	U	2.6	U	2.5	U	2.5	U
7440-31-5	Tin	C200.7	mg/kg		10.4	U	10.3	U	10.1	U	10.1	U
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548	6.7		16.4		10.2		19.7	J
7440-66-6	Zinc	C200.7	mg/kg	6.62	9	J	9.8	J	14.4	J	12.5	J

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Area 6 Surface Soil < 12

				sys_loc_code:	S88		S89		S99		S207	
				loc_name:	Area-06		Area-06		Area-06		Area-06	
				sys_sample_code:	RBS-S88		RBS-S89		RBS-S99		RBS-S207B	
				depth:	0-2 in		0-2 in		0-2 in		6-12 in	
				sample_date:	09/12/2008		09/12/2008		04/20/2009		04/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-Soil								
7429-90-5	Aluminum	C200.7	mg/kg	3900	743	J	1060	J	1250		1160	
7440-36-0	Antimony	C200.7	mg/kg	0.142	6.2	UJ	6.1	UJ	6.2	U	0.96	J
7440-38-2	Arsenic	C200.7	mg/kg	0.389	3.7		2.4		2		6.6	J
7440-39-3	Barium	C200.7	mg/kg	1.04	20.6	UJ	20.3	UJ	20.6	UJ	1.7	J
7440-41-7	Beryllium	C200.7	mg/kg	0.5	0.51	U	0.51	U	0.51	U	0.29	J
7440-43-9	Cadmium	C200.7	mg/kg	0.00222	0.51	U	0.51	U	0.51	U	0.53	U
7440-70-2	Calcium	C200.7	mg/kg	995	402	J	675		1750	J	432	J
7440-47-3	Chromium	C200.7	mg/kg	0.4	4.3		4.8		4.1		15.9	
7440-48-4	Cobalt	C200.7	mg/kg	0.14	5.1	U	5.1	U	1.2	J	1	J
7440-50-8	Copper	C200.7	mg/kg	5.4	1.6	J	1.2	J	2.4	J	4.2	J
7439-89-6	Iron	C200.7	mg/kg	5480	10400		8920		6700		22400	
7439-92-1	Lead	C200.7	mg/kg	0.0537	3.5	J	16	J	2.1		15	R
7439-95-4	Magnesium	C200.7	mg/kg	673	276	J	561		650	J	281	J
7439-96-5	Manganese	C200.7	mg/kg	42	28.4		68.7		31.3		29.3	
7440-02-0	Nickel	C200.7	mg/kg	12.3	0.99	J	2.2	J	2.3	J	2.4	J
7440-09-7	Potassium	C200.7	mg/kg	1750	179	J	293	J	514	UJ	189	J
7782-49-2	Selenium	C200.7	mg/kg	0.0276	3.6	U	3.6	U	3.6	U	3.7	U
7440-22-4	Silver	C200.7	mg/kg	1	1	UJ	1	UJ	1	U	1.1	U
7440-23-5	Sodium	C200.7	mg/kg		22.5	J	231	J	514	U	308	J
7440-28-0	Thallium	C200.7	mg/kg	0.0569	2.6	U	2.5	U	2.6	U	2.6	U
7440-31-5	Tin	C200.7	mg/kg		10.3	U	10.2	U				
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548	14.3		9.4		6.9		28.3	
7440-66-6	Zinc	C200.7	mg/kg	6.62	7.7	J	12.1	J	9.3	J	18.5	J

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Raritan Bay Slag Superfund Site
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Data Gap Technical Memorandum
Area 6 Surface Soil < 12

				sys_loc_code:	S208	
				loc_name:	Area-06	
				sys_sample_code:	RBS-S208B	
				depth:	6-12 in	
				sample_date:	04/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-Soil		
7429-90-5	Aluminum	C200.7	mg/kg	3900	846	
7440-36-0	Antimony	C200.7	mg/kg	0.142	0.75	J
7440-38-2	Arsenic	C200.7	mg/kg	0.389	2.1	J
7440-39-3	Barium	C200.7	mg/kg	1.04	2	J
7440-41-7	Beryllium	C200.7	mg/kg	0.5	0.2	J
7440-43-9	Cadmium	C200.7	mg/kg	0.00222	0.52	U
7440-70-2	Calcium	C200.7	mg/kg	995	808	
7440-47-3	Chromium	C200.7	mg/kg	0.4	13.4	
7440-48-4	Cobalt	C200.7	mg/kg	0.14	0.76	J
7440-50-8	Copper	C200.7	mg/kg	5.4	3.8	J
7439-89-6	Iron	C200.7	mg/kg	5480	7300	
7439-92-1	Lead	C200.7	mg/kg	0.0537	23.3	R
7439-95-4	Magnesium	C200.7	mg/kg	673	349	J
7439-96-5	Manganese	C200.7	mg/kg	42	24.5	
7440-02-0	Nickel	C200.7	mg/kg	12.3	2.1	J
7440-09-7	Potassium	C200.7	mg/kg	1750	203	J
7782-49-2	Selenium	C200.7	mg/kg	0.0276	3.6	U
7440-22-4	Silver	C200.7	mg/kg	1	1	U
7440-23-5	Sodium	C200.7	mg/kg		432	J
7440-28-0	Thallium	C200.7	mg/kg	0.0569	2.6	U
7440-31-5	Tin	C200.7	mg/kg			
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548	8.9	
7440-66-6	Zinc	C200.7	mg/kg	6.62	10	J

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Raritan Bay Slag Superfund Site
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Area 6 Surface Soil < 12

				sys_loc_code:	S209	
				loc_name:	Area-06	
				sys_sample_code:	RBS-S209B	
				depth:	6-12 in	
				sample_date:	04/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-Soil		
7429-90-5	Aluminum	C200.7	mg/kg	3900	687	
7440-36-0	Antimony	C200.7	mg/kg	0.142	0.2	J
7440-38-2	Arsenic	C200.7	mg/kg	0.389	1.7	J
7440-39-3	Barium	C200.7	mg/kg	1.04	2.6	J
7440-41-7	Beryllium	C200.7	mg/kg	0.5	0.26	J
7440-43-9	Cadmium	C200.7	mg/kg	0.00222	0.56	U
7440-70-2	Calcium	C200.7	mg/kg	995	92.7	J
7440-47-3	Chromium	C200.7	mg/kg	0.4	4.5	
7440-48-4	Cobalt	C200.7	mg/kg	0.14	0.65	J
7440-50-8	Copper	C200.7	mg/kg	5.4	1.6	J
7439-89-6	Iron	C200.7	mg/kg	5480	6230	
7439-92-1	Lead	C200.7	mg/kg	0.0537	2.6	R
7439-95-4	Magnesium	C200.7	mg/kg	673	163	J
7439-96-5	Manganese	C200.7	mg/kg	42	7.3	
7440-02-0	Nickel	C200.7	mg/kg	12.3	1.3	J
7440-09-7	Potassium	C200.7	mg/kg	1750	95.7	J
7782-49-2	Selenium	C200.7	mg/kg	0.0276	3.9	U
7440-22-4	Silver	C200.7	mg/kg	1	1.1	U
7440-23-5	Sodium	C200.7	mg/kg		749	
7440-28-0	Thallium	C200.7	mg/kg	0.0569	2.8	U
7440-31-5	Tin	C200.7	mg/kg			
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548	10.7	
7440-66-6	Zinc	C200.7	mg/kg	6.62	4.9	J

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Area 6 Surface Water Dissolved

					sys_loc_code:	SW12		SW13		SW14		SW26	
					loc_name:	Area-06		Area-06		Area-06		Area-06	
					sys_sample_code:	RBS-SW12D		RBS-SW13D		RBS-SW14D		RBS-SW26D	
					sample_date:	09/15/2008		09/15/2008		09/15/2008		04/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SW									
7429-90-5	Aluminum	C200.7	ug/l	87		5660	J	6780	R	4430	J	200	U
7440-36-0	Antimony	C200.7	ug/l	500		60	U	60	U	60	U	60	U
7440-38-2	Arsenic	C200.7	ug/l	12.5		16.2		15.5	J	15		10	U
7440-39-3	Barium	C200.7	ug/l	4		40.7	J	35.5	J	29	J	21.1	J
7440-41-7	Beryllium	C200.7	ug/l	0.66		5	U	5	R	5	U	5	U
7440-43-9	Cadmium	C200.7	ug/l	0.12		0.23	J	0.2	J	0.14	J	5	U
7440-70-2	Calcium	C200.7	ug/l	116000		295000	J	273000	J	250000	J	206000	
7440-47-3	Chromium	C200.7	ug/l	57.5		25.1	J	27.5	R	20.3	J	10	U
7440-48-4	Cobalt	C200.7	ug/l	23		13.8	J	13.5	R	8.8	J	50	U
7440-50-8	Copper	C200.7	ug/l	3.1		14	J	4.3	J	25	U	1.4	J
7439-89-6	Iron	C200.7	ug/l	300		19400	J	23900	R	18000	J	153	
7439-92-1	Lead	C200.7	ug/l	8.1		86	J	60.8	R	39	J	10	U
7439-95-4	Magnesium	C200.7	ug/l	82000		754000	J	767000	J	760000	J	647000	
7439-96-5	Manganese	C200.7	ug/l	120		2140	J	2010	R	1040	J	102	J
7440-02-0	Nickel	C200.7	ug/l	8.2		16	J	12.5	R	8.9	J	1.1	J
7440-09-7	Potassium	C200.7	ug/l	53000		224000	J	235000	J	239000	J	332000	J
7782-49-2	Selenium	C200.7	ug/l	71		3.3	J	2.6	J	35	U	35	U
7440-22-4	Silver	C200.7	ug/l	0.23		10	U	10	U	10	U	10	U
7440-23-5	Sodium	C200.7	ug/l	680000		1590000	R	1400000	R	1330000	R	5180000	
7440-28-0	Thallium	C200.7	ug/l	21.3		25	U	25	U	25	U	25	R
7440-31-5	Tin	C200.7	ug/l	NL		100	U	0.58	J	100	U		
7440-62-2	Vanadium (Fume Or Dust)	C200.7	ug/l	20		83.4	J	73.8	R	52	J	1.7	J
7440-66-6	Zinc	C200.7	ug/l	81		145	J	161	R	108	J	2.9	J

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Area 6 Surface Water Dissolved

				sys_loc_code:	SW28		SW29	
				loc_name:	Area-06		Area-06	
				sys_sample_code:	RBS-SW28D		RBS-SW29D	
				sample_date:	04/23/2009		04/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SW				
7429-90-5	Aluminum	C200.7	ug/l	87	200	U	200	U
7440-36-0	Antimony	C200.7	ug/l	500	60	U	60	U
7440-38-2	Arsenic	C200.7	ug/l	12.5	10	U	10	U
7440-39-3	Barium	C200.7	ug/l	4	20.9	J	21.3	J
7440-41-7	Beryllium	C200.7	ug/l	0.66	5	U	5	U
7440-43-9	Cadmium	C200.7	ug/l	0.12	5	U	5	U
7440-70-2	Calcium	C200.7	ug/l	116000	197000		202000	
7440-47-3	Chromium	C200.7	ug/l	57.5	10	U	10	U
7440-48-4	Cobalt	C200.7	ug/l	23	50	U	50	U
7440-50-8	Copper	C200.7	ug/l	3.1	1.9	J	2.1	J
7439-89-6	Iron	C200.7	ug/l	300	146		124	
7439-92-1	Lead	C200.7	ug/l	8.1	10	U	10	U
7439-95-4	Magnesium	C200.7	ug/l	82000	618000		633000	
7439-96-5	Manganese	C200.7	ug/l	120	111	J	63.2	J
7440-02-0	Nickel	C200.7	ug/l	8.2	1.6	J	1.3	J
7440-09-7	Potassium	C200.7	ug/l	53000	317000	J	323000	J
7782-49-2	Selenium	C200.7	ug/l	71	35	U	35	U
7440-22-4	Silver	C200.7	ug/l	0.23	10	U	10	U
7440-23-5	Sodium	C200.7	ug/l	680000	5000000		5050000	
7440-28-0	Thallium	C200.7	ug/l	21.3	25	R	25	R
7440-31-5	Tin	C200.7	ug/l	NL				
7440-62-2	Vanadium (Fume Or Dust)	C200.7	ug/l	20	1.1	J	0.88	J
7440-66-6	Zinc	C200.7	ug/l	81	3.3	J	3.3	J

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				sys_loc_code:	SW12		SW13		SW14	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	RBS-SW12		RBS-SW13		RBS-SW14	
				sample_date:	09/15/2008		09/15/2008		09/15/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SW						
7429-90-5	Aluminum	C200.7	ug/l	87	6780	J	3080	R	6010	J
7440-36-0	Antimony	C200.7	ug/l	500	60	U	60	U	60	U
7440-38-2	Arsenic	C200.7	ug/l	12.5	15.2		12	J	14.9	
7440-39-3	Barium	C200.7	ug/l	4	44.4	J	26.3	J	34	J
7440-41-7	Beryllium	C200.7	ug/l	0.66	5	U	5	R	5	U
7440-43-9	Cadmium	C200.7	ug/l	0.12	0.33	J	0.09	J	0.1	J
7440-70-2	Calcium	C200.7	ug/l	116000	311000	J	258000	J	255000	J
7440-47-3	Chromium	C200.7	ug/l	57.5	28.9	J	14	R	23.8	J
7440-48-4	Cobalt	C200.7	ug/l	23	17	J	6.8	R	12.3	J
7440-50-8	Copper	C200.7	ug/l	3.1	23.9	J	25	U	4	J
7439-89-6	Iron	C200.7	ug/l	300	20500	J	12200	R	20500	J
7439-92-1	Lead	C200.7	ug/l	8.1	99	J	27.2	R	54	J
7439-95-4	Magnesium	C200.7	ug/l	82000	730000	J	810000	J	761000	J
7439-96-5	Manganese	C200.7	ug/l	120	2620	J	987	R	1710	J
7440-02-0	Nickel	C200.7	ug/l	8.2	20.4	J	6.3	R	11.9	J
7440-09-7	Potassium	C200.7	ug/l	53000	214000	J	242000	J	238000	J
7782-49-2	Selenium	C200.7	ug/l	71	3.4	J	2.6	J	35	U
7440-22-4	Silver	C200.7	ug/l	0.23	10	U	10	U	2	J
7440-23-5	Sodium	C200.7	ug/l	680000	1870000	R	1540000	R	1350000	R
7440-28-0	Thallium	C200.7	ug/l	21.3	25	U	25	U	25	U
7440-31-5	Tin	C200.7	ug/l		1.6	J	100	U	0.9	J
7440-62-2	Vanadium (Fume Or Dust)	C200.7	ug/l	20	94.9	J	50	R	68.3	J
7440-66-6	Zinc	C200.7	ug/l	81	187	J	83.5	R	142	J

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				sys_loc_code:	SW25		SW26		SW28	
				loc_name:	Area-06		Area-06		Area-06	
				sys_sample_code:	RBS-SW25		RBS-SW27		RBS-SW28	
				sample_date:	04/23/2009		04/23/2009		04/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SW						
7429-90-5	Aluminum	C200.7	ug/l	87	846		2170	J	5950	
7440-36-0	Antimony	C200.7	ug/l	500	60	U	60	U	60	U
7440-38-2	Arsenic	C200.7	ug/l	12.5	3.8	J	10	U	11.1	
7440-39-3	Barium	C200.7	ug/l	4	23.4	J	31.4	J	48.8	J
7440-41-7	Beryllium	C200.7	ug/l	0.66	5	U	1	J	1.8	J
7440-43-9	Cadmium	C200.7	ug/l	0.12	5	U	0.53	J	5	U
7440-70-2	Calcium	C200.7	ug/l	116000	217000		206000		251000	
7440-47-3	Chromium	C200.7	ug/l	57.5	2.1	J	9.5	J	24.9	
7440-48-4	Cobalt	C200.7	ug/l	23	50	U	5.3	J	10.9	J
7440-50-8	Copper	C200.7	ug/l	3.1	6.3	J	30.2		18.1	J
7439-89-6	Iron	C200.7	ug/l	300	1690	J	7180	J	24300	J
7439-92-1	Lead	C200.7	ug/l	8.1	10.2		140	J	106	
7439-95-4	Magnesium	C200.7	ug/l	82000	642000		617000		605000	
7439-96-5	Manganese	C200.7	ug/l	120	99.9		683	J	857	
7440-02-0	Nickel	C200.7	ug/l	8.2	2.2	J	6.4	J	14.1	J
7440-09-7	Potassium	C200.7	ug/l	53000	345000	J	324000	J	319000	J
7782-49-2	Selenium	C200.7	ug/l	71	35	U	35	U	35	U
7440-22-4	Silver	C200.7	ug/l	0.23	10	U	10	U	10	U
7440-23-5	Sodium	C200.7	ug/l	680000	5160000		4940000		4870000	
7440-28-0	Thallium	C200.7	ug/l	21.3	25	R	25	R	25	R
7440-31-5	Tin	C200.7	ug/l							
7440-62-2	Vanadium (Fume Or Dust)	C200.7	ug/l	20	3.8	J	30.2	J	79.8	
7440-66-6	Zinc	C200.7	ug/l	81	14.6	J	209		352	

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				sys_loc_code:	SW29	
				loc_name:	Area-06	
				sys_sample_code:	RBS-SW29	
				sample_date:	04/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SW		
7429-90-5	Aluminum	C200.7	ug/l	87	2450	
7440-36-0	Antimony	C200.7	ug/l	500	60	U
7440-38-2	Arsenic	C200.7	ug/l	12.5	10.6	
7440-39-3	Barium	C200.7	ug/l	4	44.4	J
7440-41-7	Beryllium	C200.7	ug/l	0.66	1.1	J
7440-43-9	Cadmium	C200.7	ug/l	0.12	5	U
7440-70-2	Calcium	C200.7	ug/l	116000	205000	
7440-47-3	Chromium	C200.7	ug/l	57.5	11.2	
7440-48-4	Cobalt	C200.7	ug/l	23	8.8	J
7440-50-8	Copper	C200.7	ug/l	3.1	46.2	
7439-89-6	Iron	C200.7	ug/l	300	8300	J
7439-92-1	Lead	C200.7	ug/l	8.1	209	
7439-95-4	Magnesium	C200.7	ug/l	82000	605000	
7439-96-5	Manganese	C200.7	ug/l	120	1630	
7440-02-0	Nickel	C200.7	ug/l	8.2	7.5	J
7440-09-7	Potassium	C200.7	ug/l	53000	315000	J
7782-49-2	Selenium	C200.7	ug/l	71	35	U
7440-22-4	Silver	C200.7	ug/l	0.23	10	U
7440-23-5	Sodium	C200.7	ug/l	680000	4810000	
7440-28-0	Thallium	C200.7	ug/l	21.3	25	R
7440-31-5	Tin	C200.7	ug/l			
7440-62-2	Vanadium (Fume Or Dust)	C200.7	ug/l	20	38.6	J
7440-66-6	Zinc	C200.7	ug/l	81	259	

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Area 7

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					sys_loc_code:		B57		C106		C117	
					loc_name:		Area-07		Area-07		Area-07	
					sys_sample_code:		B57 12-24		C106 12-24		C117 12-24	
					depth:		12-24 in		12-24 in		12-24 in	
					sample_date:		07/08/2009		07/08/2009		07/09/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	E200.7	mg/kg	7740		1140		8830	J	8400	
7440-38-2	Arsenic	E200.7	mg/kg	0.389							
7440-70-2	Calcium	E200.7	mg/kg	NL		608		2390		4440	
7440-50-8	Copper	E200.7	mg/kg	18.7							
7439-89-6	Iron	E200.7	mg/kg	2000		15400		23500	J	23500	
7439-92-1	Lead	E200.7	mg/kg	30.2							
7439-95-4	Magnesium	E200.7	mg/kg	NL		512	J	4440	J	4550	
7439-96-5	Manganese	E200.7	mg/kg	183							
7440-09-7	Potassium	E200.7	mg/kg	NL		234	J	1860	J	1830	
7440-23-5	Sodium	E200.7	mg/kg	NL		1320		4800		5010	
7440-66-6	Zinc	E200.7	mg/kg	124							
7440-36-0	Antimony	E200.8	mg/kg	2		1.1	UJ	1.2	J	1.5	UJ
7440-38-2	Arsenic	E200.8	mg/kg	0.389		2.3		29.6	J	7.3	
7440-39-3	Barium	E200.8	mg/kg	130.1		1.1	J	37	J	18.5	
7440-41-7	Beryllium	E200.8	mg/kg	15.6		0.65		0.65		0.65	
7440-43-9	Cadmium	E200.8	mg/kg	0.68		0.04	J	0.9	J	0.087	J
7440-47-3	Chromium	E200.8	mg/kg	52.3		6.5	J	45.9		15.7	J
7440-48-4	Cobalt	E200.8	mg/kg	2.34		1.3		5.5		5.5	
7440-50-8	Copper	E200.8	mg/kg	18.7		5.1	J	83.3		8.9	J
7439-92-1	Lead	E200.8	mg/kg	30.2		12.1	J	58.7	J	10.8	J
7439-96-5	Manganese	E200.8	mg/kg	183		22.8	J	191		239	J
7440-02-0	Nickel	E200.8	mg/kg	15.9		2.9	J	17.2	J	12.1	J
7782-49-2	Selenium	E200.8	mg/kg	2		0.16	J	1.6		0.39	J
7440-22-4	Silver	E200.8	mg/kg	0.73		0.28	UJ	1		0.39	UJ
7440-28-0	Thallium	E200.8	mg/kg	100000		0.56	U	0.39	U	0.78	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548		14.1	J	38.1	J	25.1	J
7440-66-6	Zinc	E200.8	mg/kg	124		18.6	J	112		44.9	J
7439-97-6	Mercury	E245.5	mg/kg	0.13		0.036	U	0.37		0.048	U

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				sys_loc_code:	C118		C119		C120	
				loc_name:	Area-07		Area-07		Area-07	
				sys_sample_code:	C118 12-24		C119 12-24		C120 12-24	
				depth:	12-24 in		12-24 in		12-24 in	
				sample_date:	07/09/2009		07/09/2009		07/09/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
7429-90-5	Aluminum	E200.7	mg/kg	7740	3860	J	5280	J	4490	J
7440-38-2	Arsenic	E200.7	mg/kg	0.389	22.7		5.7		5.1	
7440-70-2	Calcium	E200.7	mg/kg	NL	13500		5530		5680	
7440-50-8	Copper	E200.7	mg/kg	18.7	28.9		6.7		5.7	
7439-89-6	Iron	E200.7	mg/kg	2000	35700	J	18800	J	16600	J
7439-92-1	Lead	E200.7	mg/kg	30.2	26	J	9.9	J	6.4	J
7439-95-4	Magnesium	E200.7	mg/kg	NL	1510		3170		2770	
7439-96-5	Manganese	E200.7	mg/kg	183	86.7		175		148	
7440-09-7	Potassium	E200.7	mg/kg	NL	592	J	1240		1050	
7440-23-5	Sodium	E200.7	mg/kg	NL	2280	J	3920	J	3180	J
7440-66-6	Zinc	E200.7	mg/kg	124	86		39.2		32.6	
7440-36-0	Antimony	E200.8	mg/kg	2						
7440-38-2	Arsenic	E200.8	mg/kg	0.389						
7440-39-3	Barium	E200.8	mg/kg	130.1						
7440-41-7	Beryllium	E200.8	mg/kg	15.6						
7440-43-9	Cadmium	E200.8	mg/kg	0.68						
7440-47-3	Chromium	E200.8	mg/kg	52.3						
7440-48-4	Cobalt	E200.8	mg/kg	2.34						
7440-50-8	Copper	E200.8	mg/kg	18.7						
7439-92-1	Lead	E200.8	mg/kg	30.2						
7439-96-5	Manganese	E200.8	mg/kg	183						
7440-02-0	Nickel	E200.8	mg/kg	15.9						
7782-49-2	Selenium	E200.8	mg/kg	2						
7440-22-4	Silver	E200.8	mg/kg	0.73						
7440-28-0	Thallium	E200.8	mg/kg	100000						
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548						
7440-66-6	Zinc	E200.8	mg/kg	124						
7439-97-6	Mercury	E245.5	mg/kg	0.13						

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				sys_loc_code:	C121		C122		C123	
				loc_name:	Area-07		Area-07		Area-07	
				sys_sample_code:	C121 12-24		C122 12-24		C123 12-24	
				depth:	12-24 in		12-24 in		12-24 in	
				sample_date:	07/08/2009		07/08/2009		07/08/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
7429-90-5	Aluminum	E200.7	mg/kg	7740	6270		5960	J	7100	J
7440-38-2	Arsenic	E200.7	mg/kg	0.389						
7440-70-2	Calcium	E200.7	mg/kg	NL	2120		3990		2420	
7440-50-8	Copper	E200.7	mg/kg	18.7						
7439-89-6	Iron	E200.7	mg/kg	2000	18500		16600	J	19600	J
7439-92-1	Lead	E200.7	mg/kg	30.2						
7439-95-4	Magnesium	E200.7	mg/kg	NL	3520		3330	J	3960	J
7439-96-5	Manganese	E200.7	mg/kg	183						
7440-09-7	Potassium	E200.7	mg/kg	NL	1470		1400	J	1660	J
7440-23-5	Sodium	E200.7	mg/kg	NL	3560		3420		4070	
7440-66-6	Zinc	E200.7	mg/kg	124						
7440-36-0	Antimony	E200.8	mg/kg	2	1.3	UJ	1.5	UJ	1.6	UJ
7440-38-2	Arsenic	E200.8	mg/kg	0.389	4.7		5.1	J	6.9	J
7440-39-3	Barium	E200.8	mg/kg	130.1	11		11.6	J	13.6	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.39		0.38		0.46	
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.056	J	0.059	J	0.077	J
7440-47-3	Chromium	E200.8	mg/kg	52.3	9.9	J	13		16.5	
7440-48-4	Cobalt	E200.8	mg/kg	2.34	3.3		3.6		4.5	
7440-50-8	Copper	E200.8	mg/kg	18.7	5.3	J	4.4		5.9	
7439-92-1	Lead	E200.8	mg/kg	30.2	6.3	J	5.3	J	6.7	J
7439-96-5	Manganese	E200.8	mg/kg	183	139	J	169		198	
7440-02-0	Nickel	E200.8	mg/kg	15.9	7.2	J	8	J	10.1	J
7782-49-2	Selenium	E200.8	mg/kg	2	0.31	J	0.54	J	0.4	J
7440-22-4	Silver	E200.8	mg/kg	0.73	0.32	UJ	0.36	U	0.39	U
7440-28-0	Thallium	E200.8	mg/kg	100000	0.64	U	0.73	U	0.78	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	16.4	J	18.2	J	24.8	J
7440-66-6	Zinc	E200.8	mg/kg	124	31	J	27.1		35.3	
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.044	U	0.044	U	0.047	U

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				sys_loc_code:	C124		C125		C126	
				loc_name:	Area-07		Area-07		Area-07	
				sys_sample_code:	C124 12-24		C125 12-24		C126 12-24	
				depth:	12-24 in		12-24 in		12-24 in	
				sample_date:	07/08/2009		07/08/2009		07/08/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
7429-90-5	Aluminum	E200.7	mg/kg	7740	6030	J	7390	J		
7440-38-2	Arsenic	E200.7	mg/kg	0.389						
7440-70-2	Calcium	E200.7	mg/kg	NL	2910		4490			
7440-50-8	Copper	E200.7	mg/kg	18.7						
7439-89-6	Iron	E200.7	mg/kg	2000	16100	J	17600	J		
7439-92-1	Lead	E200.7	mg/kg	30.2						
7439-95-4	Magnesium	E200.7	mg/kg	NL	2790	J	3980	J		
7439-96-5	Manganese	E200.7	mg/kg	183						
7440-09-7	Potassium	E200.7	mg/kg	NL	1370	J	1870	J		
7440-23-5	Sodium	E200.7	mg/kg	NL	3090		4250			
7440-66-6	Zinc	E200.7	mg/kg	124						
7440-36-0	Antimony	E200.8	mg/kg	2	1.4	UJ	1.5	UJ	1.7	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389	6.9	J	7.5	J	7.4	
7440-39-3	Barium	E200.8	mg/kg	130.1	14.5	J	14.1	J	14.9	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.49		0.5		0.51	
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.062	J	0.075	J	0.06	J
7440-47-3	Chromium	E200.8	mg/kg	52.3	14.5		17.3		18.6	
7440-48-4	Cobalt	E200.8	mg/kg	2.34	4.5		4.8		5	
7440-50-8	Copper	E200.8	mg/kg	18.7	6.1		6.1		6.1	
7439-92-1	Lead	E200.8	mg/kg	30.2	6.9	J	7.4	J	7.4	
7439-96-5	Manganese	E200.8	mg/kg	183	176		234		239	
7440-02-0	Nickel	E200.8	mg/kg	15.9	9.5	J	10.8	J	11.8	
7782-49-2	Selenium	E200.8	mg/kg	2	0.43	J	0.61	J	0.58	J
7440-22-4	Silver	E200.8	mg/kg	0.73	0.35	U	0.39	U	0.41	J
7440-28-0	Thallium	E200.8	mg/kg	100000	0.7	U	0.77	U	0.83	J
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	24.9	J	24.3	J	24.7	
7440-66-6	Zinc	E200.8	mg/kg	124	32.5		36.7		38.1	
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.042	U	0.046	U	0.027	J

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				sys_loc_code:	C127		C128		C129	
				loc_name:	Area-07		Area-07		Area-07	
				sys_sample_code:	C127 12-24		C128 12-24		C129 12-24	
				depth:	12-24 in		12-24 in		12-24 in	
				sample_date:	07/08/2009		07/08/2009		07/08/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
7429-90-5	Aluminum	E200.7	mg/kg	7740	7180	J				
7440-38-2	Arsenic	E200.7	mg/kg	0.389						
7440-70-2	Calcium	E200.7	mg/kg	NL	3670					
7440-50-8	Copper	E200.7	mg/kg	18.7						
7439-89-6	Iron	E200.7	mg/kg	2000	17700	J				
7439-92-1	Lead	E200.7	mg/kg	30.2						
7439-95-4	Magnesium	E200.7	mg/kg	NL	3790	J				
7439-96-5	Manganese	E200.7	mg/kg	183						
7440-09-7	Potassium	E200.7	mg/kg	NL	1860	J				
7440-23-5	Sodium	E200.7	mg/kg	NL	4050					
7440-66-6	Zinc	E200.7	mg/kg	124						
7440-36-0	Antimony	E200.8	mg/kg	2	1.5	UJ	1.4	U	1.7	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389	7.2	J	4.2		7.8	
7440-39-3	Barium	E200.8	mg/kg	130.1	13.5	J	10.6	J	17.2	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.49		0.33	J	0.53	
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.072	J	0.048	J	0.067	J
7440-47-3	Chromium	E200.8	mg/kg	52.3	16.8		11.1		19.6	
7440-48-4	Cobalt	E200.8	mg/kg	2.34	4.6		3		5.5	
7440-50-8	Copper	E200.8	mg/kg	18.7	5.8		3.8		6.8	
7439-92-1	Lead	E200.8	mg/kg	30.2	6.8	J	5		8.1	
7439-96-5	Manganese	E200.8	mg/kg	183	211		126		237	
7440-02-0	Nickel	E200.8	mg/kg	15.9	10.6	J	6.5		12.7	
7782-49-2	Selenium	E200.8	mg/kg	2	0.46	J	0.41	J	0.59	J
7440-22-4	Silver	E200.8	mg/kg	0.73	0.39	U	0.35	U	0.42	U
7440-28-0	Thallium	E200.8	mg/kg	100000	0.77	U	0.69	U	0.83	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	23.6	J	17.9		26.2	
7440-66-6	Zinc	E200.8	mg/kg	124	36.2		23.7		41.1	
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.046	U	0.042	U	0.029	J

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Area 7 Sediment > 12

				sys_loc_code:	C130		C131	
				loc_name:	Area-07		Area-07	
				sys_sample_code:	C130 12-24		C131 12-24	
				depth:	12-24 in		12-24 in	
				sample_date:	07/08/2009		07/08/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED				
7429-90-5	Aluminum	E200.7	mg/kg	7740				
7440-38-2	Arsenic	E200.7	mg/kg	0.389				
7440-70-2	Calcium	E200.7	mg/kg	NL				
7440-50-8	Copper	E200.7	mg/kg	18.7				
7439-89-6	Iron	E200.7	mg/kg	2000				
7439-92-1	Lead	E200.7	mg/kg	30.2				
7439-95-4	Magnesium	E200.7	mg/kg	NL				
7439-96-5	Manganese	E200.7	mg/kg	183				
7440-09-7	Potassium	E200.7	mg/kg	NL				
7440-23-5	Sodium	E200.7	mg/kg	NL				
7440-66-6	Zinc	E200.7	mg/kg	124				
7440-36-0	Antimony	E200.8	mg/kg	2	2.2		2.3	
7440-38-2	Arsenic	E200.8	mg/kg	0.389	6.4		35.1	
7440-39-3	Barium	E200.8	mg/kg	130.1	9.4	J	62	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.2	J	0.65	
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.4		1.6	
7440-47-3	Chromium	E200.8	mg/kg	52.3	13.2		58.6	
7440-48-4	Cobalt	E200.8	mg/kg	2.34	2		5.4	
7440-50-8	Copper	E200.8	mg/kg	18.7	23.9		131	
7439-92-1	Lead	E200.8	mg/kg	30.2	85.2		128	
7439-96-5	Manganese	E200.8	mg/kg	183	46.9		174	
7440-02-0	Nickel	E200.8	mg/kg	15.9	5.1		19.9	
7782-49-2	Selenium	E200.8	mg/kg	2	0.46	J	2.1	
7440-22-4	Silver	E200.8	mg/kg	0.73	0.37		1.7	
7440-28-0	Thallium	E200.8	mg/kg	100000	0.67	U	0.98	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	17.7		34.1	
7440-66-6	Zinc	E200.8	mg/kg	124	77.8		150	
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.25	J	2.5	J

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Area 7 Sediment < 12

				sys_loc_code:	S58		SED55		B57		B64	
				loc_name:	Area-07		Area-07		Area-07		Area-07	
				sys_sample_code:	RBS-S58		RBS-SED55		B57 0-6		B64 0-6	
				depth:	0-2 in		0-3 in		0-6 in		0-6 in	
				sample_date:	09/12/2008		09/16/2008		07/08/2009		07/27/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	C200.7	mg/kg	7740	850	R	2100	J				
7440-36-0	Antimony	C200.7	mg/kg	2	6.8	U	0.86	J				
7440-38-2	Arsenic	C200.7	mg/kg	0.389	2.2	R	3.4	J				
7440-39-3	Barium	C200.7	mg/kg	130.1	0.91	J	6.4	J				
7440-41-7	Beryllium	C200.7	mg/kg	15.6	0.56	U	0.17	J				
7440-43-9	Cadmium	C200.7	mg/kg	0.68	0.56	U	0.049	J				
7440-70-2	Calcium	C200.7	mg/kg	NL	1080	J	4140					
7440-47-3	Chromium	C200.7	mg/kg	52.3	12.5		9.2	R				
7440-48-4	Cobalt	C200.7	mg/kg	2.34	1.1	J	1.8	J				
7440-50-8	Copper	C200.7	mg/kg	18.7	1.4	R	11	J				
7439-89-6	Iron	C200.7	mg/kg	2000	9510		7270					
7439-92-1	Lead	C200.7	mg/kg	30.2	4.4		21.2	R				
7439-95-4	Magnesium	C200.7	mg/kg	NL	445	J	1320					
7439-96-5	Manganese	C200.7	mg/kg	183	37.8	R	50.5					
7440-02-0	Nickel	C200.7	mg/kg	15.9	2.7	J	6.1	U				
7440-09-7	Potassium	C200.7	mg/kg	NL	192	J	968					
7782-49-2	Selenium	C200.7	mg/kg	2	0.41	J	0.69	J				
7440-22-4	Silver	C200.7	mg/kg	0.73	1.1	U	1.5	U				
7440-23-5	Sodium	C200.7	mg/kg	NL	818	J	4110					
7440-28-0	Thallium	C200.7	mg/kg	100000	2.8	UJ	3.8	U				
7440-31-5	Tin	C200.7	mg/kg	NL	11.3	UJ	15.3	U				
7440-62-2	Vanadium (Fume	C200.7	mg/kg	0.548	11.7	J	11.7					
7440-66-6	Zinc	C200.7	mg/kg	124	15	J	33.3	R				
7429-90-5	Aluminum	E200.7	mg/kg	7740					686			
7439-89-6	Iron	E200.7	mg/kg	2000					4550	J		
7439-92-1	Lead	E200.7	mg/kg	30.2								
7439-95-4	Magnesium	E200.7	mg/kg	NL					533	J		
7439-96-5	Manganese	E200.7	mg/kg	183								
7440-09-7	Potassium	E200.7	mg/kg	NL					185	J		
7440-23-5	Sodium	E200.7	mg/kg	NL					1330	J		
7440-38-2	Arsenic	E200.7	mg/kg	0.389								
7440-50-8	Copper	E200.7	mg/kg	18.7								

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Raritan Bay Slag Superfund Site
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Data Gap Technical Memorandum
Area 7 Sediment < 12

				sys_loc_code:	S58		SED55		B57		B64	
				loc_name:	Area-07		Area-07		Area-07		Area-07	
				sys_sample_code:	RBS-S58		RBS-SED55		B57 0-6		B64 0-6	
				depth:	0-2 in		0-3 in		0-6 in		0-6 in	
				sample_date:	09/12/2008		09/16/2008		07/08/2009		07/27/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7440-66-6	Zinc	E200.7	mg/kg	124								
7440-70-2	Calcium	E200.7	mg/kg	NL					455	J		
7439-92-1	Lead	E200.8	mg/kg	30.2					1.5	J	11.6	J
7439-96-5	Manganese	E200.8	mg/kg	183					32.5		82.7	J
7440-02-0	Nickel	E200.8	mg/kg	15.9					1.6		4.6	J
7440-22-4	Silver	E200.8	mg/kg	0.73					0.29	UJ	0.27	UJ
7440-28-0	Thallium	E200.8	mg/kg	100000					0.57	U	0.55	U
7440-36-0	Antimony	E200.8	mg/kg	2					1.1	U	1.1	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389					0.86		5.1	J
7440-39-3	Barium	E200.8	mg/kg	130.1					1.3	J	2.4	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6					0.11	J	0.73	
7440-43-9	Cadmium	E200.8	mg/kg	0.68					0.29	U	0.081	J
7440-47-3	Chromium	E200.8	mg/kg	52.3					2.2		24.8	J
7440-48-4	Cobalt	E200.8	mg/kg	2.34					0.8	J	1.6	J
7440-50-8	Copper	E200.8	mg/kg	18.7					1.6		5.3	J
7440-62-2	Vanadium (Fume	E200.8	mg/kg	0.548					3.9		32.7	J
7440-66-6	Zinc	E200.8	mg/kg	124					9.5		32.9	J
7782-49-2	Selenium	E200.8	mg/kg	2					0.082	J	0.55	U
7439-97-6	Mercury	E245.5	mg/kg	0.13					0.035	U	0.025	J
1024-57-3	Heptachlor Epox	CPEST	ug/kg	0.6								
1031-07-8	Endosulfan Sulfa	CPEST	ug/kg	0.357								
309-00-2	Aldrin	CPEST	ug/kg	2								
319-84-6	Alpha-Bhc	CPEST	ug/kg	3								
319-85-7	Beta-Bhc	CPEST	ug/kg	3								
319-86-8	Delta-Bhc	CPEST	ug/kg	3								
33213-65-9	Endosulfan II	CPEST	ug/kg	14								
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19								
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7								
5103-74-2	Gamma-Chlorda	CPEST	ug/kg	7								
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL								
58-89-9	Gamma-Bhc (Lin	CPEST	ug/kg	0.32								
60-57-1	Dieldrin	CPEST	ug/kg	0.72								

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				sys_loc_code:	S58		SED55		B57		B64	
				loc_name:	Area-07		Area-07		Area-07		Area-07	
				sys_sample_code:	RBS-S58		RBS-SED55		B57 0-6		B64 0-6	
				depth:	0-2 in		0-3 in		0-6 in		0-6 in	
				sample_date:	09/12/2008		09/16/2008		07/08/2009		07/27/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
72-20-8	Endrin	CPEST	ug/kg	2.67								
72-43-5	Methoxychlor	CPEST	ug/kg	29.6								
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22								
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07								
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL								
76-44-8	Heptachlor	CPEST	ug/kg	68								
8001-35-2	Chlorinated Cam	CPEST	ug/kg	0.1								
959-98-8	Endosulfan I	CPEST	ug/kg	2.9								
11096-82-5	Aroclor 1260	E608	ug/kg	21.6								
11097-69-1	Aroclor 1254	E608	ug/kg	23								
11100-14-4	Aroclor 1268	E608	ug/kg	21.6								
11104-28-2	Aroclor 1221	E608	ug/kg	21.6								
11141-16-5	Aroclor 1232	E608	ug/kg	21.6								
12672-29-6	Aroclor 1248	E608	ug/kg	21.6								
12674-11-2	Aroclor 1016	E608	ug/kg	21.6								
37324-23-5	Aroclor 1262	E608	ug/kg	21.6								
53469-21-9	Aroclor 1242	E608	ug/kg	21.6								
100-41-4	Ethylbenzene	E624	ug/kg	305								
100-42-5	Styrene	E624	ug/kg	7070								
10061-01-5	cis-1,3-Dichlorop	E624	ug/kg	NL								
10061-02-6	trans-1,3-Dichlor	E624	ug/kg	NL								
106-46-7	1,4-Dichlorobenz	E624	ug/kg	460								
106-93-4	1,2-Dibromoetha	E624	ug/kg	33.7								
107-06-2	1,2-Dichloroethar	E624	ug/kg	432								
108-10-1	4-Methyl-2-Penta	E624	ug/kg	532000								
108-87-2	Methylcyclohexa	E624	ug/kg	NL								
108-88-3	Toluene	E624	ug/kg	1090								
108-90-7	Chlorobenzene	E624	ug/kg	162								
110-82-7	Cyclohexane	E624	ug/kg	117000								
120-82-1	1,2,4-Trichlorobe	E624	ug/kg	473								
123-91-1	1,4-Dioxane	E624	ug/kg	44100								
124-48-1	Dibromochlorom	E624	ug/kg	680								

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				sys_loc_code:	S58		SED55		B57		B64	
				loc_name:	Area-07		Area-07		Area-07		Area-07	
				sys_sample_code:	RBS-S58		RBS-SED55		B57 0-6		B64 0-6	
				depth:	0-2 in		0-3 in		0-6 in		0-6 in	
				sample_date:	09/12/2008		09/16/2008		07/08/2009		07/27/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
127-18-4	Tetrachloroethen	E624	ug/kg	190								
156-59-2	cis-1,2-Dichloroe	E624	ug/kg	78200								
156-60-5	trans-1,2-Dichlor	E624	ug/kg	15300								
1634-04-4	Methyl tert-Butyl	E624	ug/kg	43300								
179601-23-1	m,p-Xylene	E624	ug/kg	NL								
541-73-1	1,3-Dichlorobenz	E624	ug/kg	842								
56-23-5	Carbon tetrachlo	E624	ug/kg	248								
591-78-6	2-Hexanone	E624	ug/kg	20900								
67-64-1	Acetone	E624	ug/kg	6130000								
67-66-3	Chloroform	E624	ug/kg	295								
71-43-2	Benzene	E624	ug/kg	137								
71-55-6	1,1,1-Trichloroetl	E624	ug/kg	856								
74-83-9	Bromomethane	E624	ug/kg	732								
74-87-3	Chloromethane	E624	ug/kg	11900								
74-97-5	Bromochlorometl	E624	ug/kg	NL								
75-00-3	Chloroethane	E624	ug/kg	1450000								
75-01-4	Vinyl Chloride	E624	ug/kg	59.7								
75-09-2	Methylene chlori	E624	ug/kg	10700								
75-15-0	Carbon Disulfide	E624	ug/kg	0.851								
75-25-2	Bromoform	E624	ug/kg	1310								
75-27-4	Bromodichlorom	E624	ug/kg	273								
75-34-3	1,1-Dichloroetha	E624	ug/kg	3310								
75-35-4	1,1-Dichloroethe	E624	ug/kg	2780								
75-69-4	Trichlorofluorom	E624	ug/kg	78700								
75-71-8	Dichlorodifluoron	E624	ug/kg	18400								
76-13-1	1,1,2-Trichloro-1	E624	ug/kg	910000								
78-87-5	1,2-Dichloroprop	E624	ug/kg	895								
78-93-3	2-Butanone	E624	ug/kg	2780000								
79-00-5	1,1,2-Trichloroetl	E624	ug/kg	570								
79-01-6	Trichloroethene	E624	ug/kg	1600								
79-20-9	Methyl Acetate	E624	ug/kg	7820000								
79-34-5	1,1,2,2-Tetrachlo	E624	ug/kg	202								

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				sys_loc_code:	S58		SED55		B57		B64	
				loc_name:	Area-07		Area-07		Area-07		Area-07	
				sys_sample_code:	RBS-S58		RBS-SED55		B57 0-6		B64 0-6	
				depth:	0-2 in		0-3 in		0-6 in		0-6 in	
				sample_date:	09/12/2008		09/16/2008		07/08/2009		07/27/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
87-61-6	1,2,3-Trichlorobe	E624	ug/kg	858								
95-47-6	o-Xylene	E624	ug/kg	NL								
95-50-1	1,2-Dichlorobenz	E624	ug/kg	989								
96-12-8	1,2-Dibromo-3-cl	E624	ug/kg	5.35								
98-82-8	Isopropylbenzen	E624	ug/kg	86								
100-01-6	4-Nitroaniline	E625	ug/kg	24300								
100-02-7	4-Nitrophenol	E625	ug/kg	NL								
100-52-7	Benzaldehyde	E625	ug/kg	782000								
101-55-3	4-Bromophenyl P	E625	ug/kg	1230								
105-60-2	Caprolactam	E625	ug/kg	3060000								
105-67-9	2,4-Dimethylpher	E625	ug/kg	29								
106-44-5	4-Methylphenol	E625	ug/kg	670								
106-47-8	4-Chloroaniline	E625	ug/kg	2430								
108-60-1	Bis-Chloroisopro	E625	ug/kg	4570								
108-95-2	Phenol	E625	ug/kg	420								
111-44-4	Bis(2-Chloroethy	E625	ug/kg	214								
111-91-1	Bis(2-Chloroetho	E625	ug/kg	18300								
117-81-7	Bis(2-Ethylhexyl)	E625	ug/kg	182								
117-84-0	Di-N-Octyl Phtha	E625	ug/kg	NL								
118-74-1	Hexachlorobenze	E625	ug/kg	20								
120-12-7	Anthracene	E625	ug/kg	46.9								
120-83-2	2,4-Dichlorophen	E625	ug/kg	117								
121-14-2	2,4-Dinitrotoluen	E625	ug/kg	41.6								
129-00-0	Pyrene	E625	ug/kg	153								
131-11-3	Dimethylphthalat	E625	ug/kg	NL								
132-64-9	Dibenzofuran	E625	ug/kg	7300								
1912-24-9	Atrazine	E625	ug/kg	6.62								
191-24-2	Benzo(g,h,i)peryl	E625	ug/kg	170								
193-39-5	Indeno(1,2,3-Cd)	E625	ug/kg	17								
205-99-2	Benzo(b)fluorant	E625	ug/kg	148								
206-44-0	Fluoranthene	E625	ug/kg	113								
207-08-9	Benzo(k)fluorant	E625	ug/kg	240								

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				sys_loc_code:	S58		SED55		B57		B64	
				loc_name:	Area-07		Area-07		Area-07		Area-07	
				sys_sample_code:	RBS-S58		RBS-SED55		B57 0-6		B64 0-6	
				depth:	0-2 in		0-3 in		0-6 in		0-6 in	
				sample_date:	09/12/2008		09/16/2008		07/08/2009		07/27/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
208-96-8	Acenaphthylene	E625	ug/kg	5.87								
218-01-9	Chrysene	E625	ug/kg	108								
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8								
51-28-5	2,4-Dinitropheno	E625	ug/kg	12200								
534-52-1	4,6-Dinitro-2-Met	E625	ug/kg	611								
53-70-3	Dibenzo(a,h)anth	E625	ug/kg	6.22								
56-55-3	Benzo(a)anthrac	E625	ug/kg	74.8								
58-90-2	Chlorophenols	E625	ug/kg	284								
59-50-7	4-Chloro-3-Methy	E625	ug/kg	611000								
606-20-2	2,6-Dinitrotoluen	E625	ug/kg	6120								
621-64-7	N-Nitroso-Di-N-P	E625	ug/kg	69.4								
67-72-1	Hexachloroethan	E625	ug/kg	804								
7005-72-3	4-Chlorophenyl F	E625	ug/kg	NL								
77-47-4	Hexachlorocyclo	E625	ug/kg	139								
78-59-1	Isophorone	E625	ug/kg	511000								
83-32-9	Acenaphthene	E625	ug/kg	6.71								
84-66-2	Diethylphthalate	E625	ug/kg	218								
84-74-2	Di-N-Butylphthala	E625	ug/kg	1160								
85-01-8	Phenanthrene	E625	ug/kg	86.7								
85-68-7	Butylbenzylphtha	E625	ug/kg	16800								
86-30-6	N-Nitrosodipheny	E625	ug/kg	99100								
86-73-7	Fluorene	E625	ug/kg	19								
86-74-8	Carbazole	E625	ug/kg	NL								
87-68-3	Hexachlorobutad	E625	ug/kg	6110								
87-86-5	Pentachlorophen	E625	ug/kg	2970								
88-06-2	2,4,6-Trichloroph	E625	ug/kg	2650								
88-74-4	2-Nitroaniline	E625	ug/kg	60600								
88-75-5	2-Nitrophenol	E625	ug/kg	NL								
91-20-3	Naphthalene	E625	ug/kg	34.6								
91-57-6	2-Methylnaphtha	E625	ug/kg	20.2								
91-58-7	2-Chloronaphtha	E625	ug/kg	175000								
91-94-1	3,3`-Dichloroben	E625	ug/kg	1080								

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				sys_loc_code:	S58		SED55		B57		B64	
				loc_name:	Area-07		Area-07		Area-07		Area-07	
				sys_sample_code:	RBS-S58		RBS-SED55		B57 0-6		B64 0-6	
				depth:	0-2 in		0-3 in		0-6 in		0-6 in	
				sample_date:	09/12/2008		09/16/2008		07/08/2009		07/27/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220								
95-48-7	2-Methylphenol	E625	ug/kg	306000								
95-57-8	2-Chlorophenol	E625	ug/kg	344								
95-94-3	1,2,4,5-Tetrachlo	E625	ug/kg	1830								
95-95-4	2,4,5-Trichloroph	E625	ug/kg	819								
98-86-2	Acetophenone	E625	ug/kg	782000								
98-95-3	Nitrobenzene	E625	ug/kg	4790								
99-09-2	3-Nitroaniline	E625	ug/kg	NL								

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				sys_loc_code:	C106		C110		C111		C112	
				loc_name:	Area-07		Area-07		Area-07		Area-07	
				sys_sample_code:	C106 0-6		C110 0-6		C111 0-6		C112 0-6	
				depth:	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/08/2009		07/08/2009		07/08/2009		07/08/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	C200.7	mg/kg	7740								
7440-36-0	Antimony	C200.7	mg/kg	2								
7440-38-2	Arsenic	C200.7	mg/kg	0.389								
7440-39-3	Barium	C200.7	mg/kg	130.1								
7440-41-7	Beryllium	C200.7	mg/kg	15.6								
7440-43-9	Cadmium	C200.7	mg/kg	0.68								
7440-70-2	Calcium	C200.7	mg/kg	NL								
7440-47-3	Chromium	C200.7	mg/kg	52.3								
7440-48-4	Cobalt	C200.7	mg/kg	2.34								
7440-50-8	Copper	C200.7	mg/kg	18.7								
7439-89-6	Iron	C200.7	mg/kg	2000								
7439-92-1	Lead	C200.7	mg/kg	30.2								
7439-95-4	Magnesium	C200.7	mg/kg	NL								
7439-96-5	Manganese	C200.7	mg/kg	183								
7440-02-0	Nickel	C200.7	mg/kg	15.9								
7440-09-7	Potassium	C200.7	mg/kg	NL								
7782-49-2	Selenium	C200.7	mg/kg	2								
7440-22-4	Silver	C200.7	mg/kg	0.73								
7440-23-5	Sodium	C200.7	mg/kg	NL								
7440-28-0	Thallium	C200.7	mg/kg	100000								
7440-31-5	Tin	C200.7	mg/kg	NL								
7440-62-2	Vanadium (Fume	C200.7	mg/kg	0.548								
7440-66-6	Zinc	C200.7	mg/kg	124								
7429-90-5	Aluminum	E200.7	mg/kg	7740	9950	J	832	J	3030		2510	
7439-89-6	Iron	E200.7	mg/kg	2000	27400	J	8590	J	47100	J	20700	J
7439-92-1	Lead	E200.7	mg/kg	30.2								
7439-95-4	Magnesium	E200.7	mg/kg	NL	4510	J	559	J	714		1040	
7439-96-5	Manganese	E200.7	mg/kg	183								
7440-09-7	Potassium	E200.7	mg/kg	NL	1980	J	232	J	286	J	417	J
7440-23-5	Sodium	E200.7	mg/kg	NL	7460		1600		1220		2730	
7440-38-2	Arsenic	E200.7	mg/kg	0.389								
7440-50-8	Copper	E200.7	mg/kg	18.7								

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Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 7 Sediment < 12

				sys_loc_code:	C106		C110		C111		C112	
				loc_name:	Area-07		Area-07		Area-07		Area-07	
				sys_sample_code:	C106 0-6		C110 0-6		C111 0-6		C112 0-6	
				depth:	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/08/2009		07/08/2009		07/08/2009		07/08/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7440-66-6	Zinc	E200.7	mg/kg	124								
7440-70-2	Calcium	E200.7	mg/kg	NL	8210		11000		6040	J	59200	J
7439-92-1	Lead	E200.8	mg/kg	30.2	171	J	2.5	J	11.1		944	
7439-96-5	Manganese	E200.8	mg/kg	183	148		49.2		24.1	J	59.5	J
7440-02-0	Nickel	E200.8	mg/kg	15.9	16.9	J	2.9	J	1.6		6.4	
7440-22-4	Silver	E200.8	mg/kg	0.73	2.3		0.31	U	0.29	U	0.3	U
7440-28-0	Thallium	E200.8	mg/kg	100000	0.89	U	0.62	U	0.58	U	0.6	U
7440-36-0	Antimony	E200.8	mg/kg	2	3.2	J	1.2	UJ	1.2	U	28.6	
7440-38-2	Arsenic	E200.8	mg/kg	0.389	28.7	J	2.2	J	2.6	J	15.6	J
7440-39-3	Barium	E200.8	mg/kg	130.1	43.9	J	0.89	J	1.2	J	11.2	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.68		0.094	J	0.26	J	0.23	J
7440-43-9	Cadmium	E200.8	mg/kg	0.68	1.2	J	0.013	J	0.035	J	0.32	
7440-47-3	Chromium	E200.8	mg/kg	52.3	57.3		3.6		6.3	J	10	J
7440-48-4	Cobalt	E200.8	mg/kg	2.34	5.2		1.1		0.77		1.5	
7440-50-8	Copper	E200.8	mg/kg	18.7	257		1.4		4.7	J	79.6	
7440-62-2	Vanadium (Fume	E200.8	mg/kg	0.548	33.1	J	6.9	J	13	J	22.3	J
7440-66-6	Zinc	E200.8	mg/kg	124	193		9.8		17	J	64.2	J
7782-49-2	Selenium	E200.8	mg/kg	2	2.5		0.62	U	0.58	U	0.37	J
7439-97-6	Mercury	E245.5	mg/kg	0.13	1.7		0.037	U	0.041	J	0.31	J
1024-57-3	Heptachlor Epox	CPEST	ug/kg	0.6								
1031-07-8	Endosulfan Sulfa	CPEST	ug/kg	0.357								
309-00-2	Aldrin	CPEST	ug/kg	2								
319-84-6	Alpha-Bhc	CPEST	ug/kg	3								
319-85-7	Beta-Bhc	CPEST	ug/kg	3								
319-86-8	Delta-Bhc	CPEST	ug/kg	3								
33213-65-9	Endosulfan II	CPEST	ug/kg	14								
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19								
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7								
5103-74-2	Gamma-Chlorda	CPEST	ug/kg	7								
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL								
58-89-9	Gamma-Bhc (Lin	CPEST	ug/kg	0.32								
60-57-1	Dieldrin	CPEST	ug/kg	0.72								

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				sys_loc_code:	C106		C110		C111		C112	
				loc_name:	Area-07		Area-07		Area-07		Area-07	
				sys_sample_code:	C106 0-6		C110 0-6		C111 0-6		C112 0-6	
				depth:	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/08/2009		07/08/2009		07/08/2009		07/08/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
72-20-8	Endrin	CPEST	ug/kg	2.67								
72-43-5	Methoxychlor	CPEST	ug/kg	29.6								
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22								
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07								
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL								
76-44-8	Heptachlor	CPEST	ug/kg	68								
8001-35-2	Chlorinated Cam	CPEST	ug/kg	0.1								
959-98-8	Endosulfan I	CPEST	ug/kg	2.9								
11096-82-5	Aroclor 1260	E608	ug/kg	21.6								
11097-69-1	Aroclor 1254	E608	ug/kg	23								
11100-14-4	Aroclor 1268	E608	ug/kg	21.6								
11104-28-2	Aroclor 1221	E608	ug/kg	21.6								
11141-16-5	Aroclor 1232	E608	ug/kg	21.6								
12672-29-6	Aroclor 1248	E608	ug/kg	21.6								
12674-11-2	Aroclor 1016	E608	ug/kg	21.6								
37324-23-5	Aroclor 1262	E608	ug/kg	21.6								
53469-21-9	Aroclor 1242	E608	ug/kg	21.6								
100-41-4	Ethylbenzene	E624	ug/kg	305								
100-42-5	Styrene	E624	ug/kg	7070								
10061-01-5	cis-1,3-Dichlorop	E624	ug/kg	NL								
10061-02-6	trans-1,3-Dichlor	E624	ug/kg	NL								
106-46-7	1,4-Dichlorobenz	E624	ug/kg	460								
106-93-4	1,2-Dibromoetha	E624	ug/kg	33.7								
107-06-2	1,2-Dichloroethar	E624	ug/kg	432								
108-10-1	4-Methyl-2-Penta	E624	ug/kg	532000								
108-87-2	Methylcyclohexa	E624	ug/kg	NL								
108-88-3	Toluene	E624	ug/kg	1090								
108-90-7	Chlorobenzene	E624	ug/kg	162								
110-82-7	Cyclohexane	E624	ug/kg	117000								
120-82-1	1,2,4-Trichlorobe	E624	ug/kg	473								
123-91-1	1,4-Dioxane	E624	ug/kg	44100								
124-48-1	Dibromochlorom	E624	ug/kg	680								

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				sys_loc_code:	C106		C110		C111		C112	
				loc_name:	Area-07		Area-07		Area-07		Area-07	
				sys_sample_code:	C106 0-6		C110 0-6		C111 0-6		C112 0-6	
				depth:	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/08/2009		07/08/2009		07/08/2009		07/08/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
127-18-4	Tetrachloroethen	E624	ug/kg	190								
156-59-2	cis-1,2-Dichloroe	E624	ug/kg	78200								
156-60-5	trans-1,2-Dichlor	E624	ug/kg	15300								
1634-04-4	Methyl tert-Butyl	E624	ug/kg	43300								
179601-23-1	m,p-Xylene	E624	ug/kg	NL								
541-73-1	1,3-Dichlorobenz	E624	ug/kg	842								
56-23-5	Carbon tetrachlo	E624	ug/kg	248								
591-78-6	2-Hexanone	E624	ug/kg	20900								
67-64-1	Acetone	E624	ug/kg	6130000								
67-66-3	Chloroform	E624	ug/kg	295								
71-43-2	Benzene	E624	ug/kg	137								
71-55-6	1,1,1-Trichloroetl	E624	ug/kg	856								
74-83-9	Bromomethane	E624	ug/kg	732								
74-87-3	Chloromethane	E624	ug/kg	11900								
74-97-5	Bromochlorometl	E624	ug/kg	NL								
75-00-3	Chloroethane	E624	ug/kg	1450000								
75-01-4	Vinyl Chloride	E624	ug/kg	59.7								
75-09-2	Methylene chlori	E624	ug/kg	10700								
75-15-0	Carbon Disulfide	E624	ug/kg	0.851								
75-25-2	Bromoform	E624	ug/kg	1310								
75-27-4	Bromodichlorom	E624	ug/kg	273								
75-34-3	1,1-Dichloroethar	E624	ug/kg	3310								
75-35-4	1,1-Dichloroethel	E624	ug/kg	2780								
75-69-4	Trichlorofluorom	E624	ug/kg	78700								
75-71-8	Dichlorodifluoron	E624	ug/kg	18400								
76-13-1	1,1,2-Trichloro-1,	E624	ug/kg	910000								
78-87-5	1,2-Dichloroprop	E624	ug/kg	895								
78-93-3	2-Butanone	E624	ug/kg	2780000								
79-00-5	1,1,2-Trichloroetl	E624	ug/kg	570								
79-01-6	Trichloroethene	E624	ug/kg	1600								
79-20-9	Methyl Acetate	E624	ug/kg	7820000								
79-34-5	1,1,2,2-Tetrachlo	E624	ug/kg	202								

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				sys_loc_code:	C106		C110		C111		C112	
				loc_name:	Area-07		Area-07		Area-07		Area-07	
				sys_sample_code:	C106 0-6		C110 0-6		C111 0-6		C112 0-6	
				depth:	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/08/2009		07/08/2009		07/08/2009		07/08/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
87-61-6	1,2,3-Trichlorobe	E624	ug/kg	858								
95-47-6	o-Xylene	E624	ug/kg	NL								
95-50-1	1,2-Dichlorobenz	E624	ug/kg	989								
96-12-8	1,2-Dibromo-3-cl	E624	ug/kg	5.35								
98-82-8	Isopropylbenzen	E624	ug/kg	86								
100-01-6	4-Nitroaniline	E625	ug/kg	24300								
100-02-7	4-Nitrophenol	E625	ug/kg	NL								
100-52-7	Benzaldehyde	E625	ug/kg	782000								
101-55-3	4-Bromophenyl P	E625	ug/kg	1230								
105-60-2	Caprolactam	E625	ug/kg	3060000								
105-67-9	2,4-Dimethylpher	E625	ug/kg	29								
106-44-5	4-Methylphenol	E625	ug/kg	670								
106-47-8	4-Chloroaniline	E625	ug/kg	2430								
108-60-1	Bis-Chloroisopro	E625	ug/kg	4570								
108-95-2	Phenol	E625	ug/kg	420								
111-44-4	Bis(2-Chloroethy	E625	ug/kg	214								
111-91-1	Bis(2-Chloroetho	E625	ug/kg	18300								
117-81-7	Bis(2-Ethylhexyl)	E625	ug/kg	182								
117-84-0	Di-N-Octyl Phtha	E625	ug/kg	NL								
118-74-1	Hexachlorobenze	E625	ug/kg	20								
120-12-7	Anthracene	E625	ug/kg	46.9								
120-83-2	2,4-Dichlorophen	E625	ug/kg	117								
121-14-2	2,4-Dinitrotoluen	E625	ug/kg	41.6								
129-00-0	Pyrene	E625	ug/kg	153								
131-11-3	Dimethylphthalat	E625	ug/kg	NL								
132-64-9	Dibenzofuran	E625	ug/kg	7300								
1912-24-9	Atrazine	E625	ug/kg	6.62								
191-24-2	Benzo(g,h,i)peryl	E625	ug/kg	170								
193-39-5	Indeno(1,2,3-Cd)	E625	ug/kg	17								
205-99-2	Benzo(b)fluorant	E625	ug/kg	148								
206-44-0	Fluoranthene	E625	ug/kg	113								
207-08-9	Benzo(k)fluorant	E625	ug/kg	240								

				sys_loc_code:	C106		C110		C111		C112	
				loc_name:	Area-07		Area-07		Area-07		Area-07	
				sys_sample_code:	C106 0-6		C110 0-6		C111 0-6		C112 0-6	
				depth:	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/08/2009		07/08/2009		07/08/2009		07/08/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
208-96-8	Acenaphthylene	E625	ug/kg	5.87								
218-01-9	Chrysene	E625	ug/kg	108								
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8								
51-28-5	2,4-Dinitropheno	E625	ug/kg	12200								
534-52-1	4,6-Dinitro-2-Met	E625	ug/kg	611								
53-70-3	Dibenzo(a,h)anth	E625	ug/kg	6.22								
56-55-3	Benzo(a)anthrac	E625	ug/kg	74.8								
58-90-2	Chlorophenols	E625	ug/kg	284								
59-50-7	4-Chloro-3-Methy	E625	ug/kg	611000								
606-20-2	2,6-Dinitrotoluen	E625	ug/kg	6120								
621-64-7	N-Nitroso-Di-N-P	E625	ug/kg	69.4								
67-72-1	Hexachloroethan	E625	ug/kg	804								
7005-72-3	4-Chlorophenyl F	E625	ug/kg	NL								
77-47-4	Hexachlorocyclo	E625	ug/kg	139								
78-59-1	Isophorone	E625	ug/kg	511000								
83-32-9	Acenaphthene	E625	ug/kg	6.71								
84-66-2	Diethylphthalate	E625	ug/kg	218								
84-74-2	Di-N-Butylphthal	E625	ug/kg	1160								
85-01-8	Phenanthrene	E625	ug/kg	86.7								
85-68-7	Butylbenzylphtha	E625	ug/kg	16800								
86-30-6	N-Nitrosodipheny	E625	ug/kg	99100								
86-73-7	Fluorene	E625	ug/kg	19								
86-74-8	Carbazole	E625	ug/kg	NL								
87-68-3	Hexachlorobutad	E625	ug/kg	6110								
87-86-5	Pentachlorophen	E625	ug/kg	2970								
88-06-2	2,4,6-Trichloroph	E625	ug/kg	2650								
88-74-4	2-Nitroaniline	E625	ug/kg	60600								
88-75-5	2-Nitrophenol	E625	ug/kg	NL								
91-20-3	Naphthalene	E625	ug/kg	34.6								
91-57-6	2-Methylnaphtha	E625	ug/kg	20.2								
91-58-7	2-Chloronaphtha	E625	ug/kg	175000								
91-94-1	3,3`-Dichloroben	E625	ug/kg	1080								

R2-0001301

				sys_loc_code:	C106		C110		C111		C112	
				loc_name:	Area-07		Area-07		Area-07		Area-07	
				sys_sample_code:	C106 0-6		C110 0-6		C111 0-6		C112 0-6	
				depth:	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/08/2009		07/08/2009		07/08/2009		07/08/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220								
95-48-7	2-Methylphenol	E625	ug/kg	306000								
95-57-8	2-Chlorophenol	E625	ug/kg	344								
95-94-3	1,2,4,5-Tetrachlo	E625	ug/kg	1830								
95-95-4	2,4,5-Trichloroph	E625	ug/kg	819								
98-86-2	Acetophenone	E625	ug/kg	782000								
98-95-3	Nitrobenzene	E625	ug/kg	4790								
99-09-2	3-Nitroaniline	E625	ug/kg	NL								

R2-0001302

				sys_loc_code:	C113		C114		C115		C116	
				loc_name:	Area-07		Area-07		Area-07		Area-07	
				sys_sample_code:	C113 0-6		C114 0-6		C115 0-6		C116 0-6	
				depth:	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/09/2009		07/08/2009		07/08/2009		07/08/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	C200.7	mg/kg	7740								
7440-36-0	Antimony	C200.7	mg/kg	2								
7440-38-2	Arsenic	C200.7	mg/kg	0.389								
7440-39-3	Barium	C200.7	mg/kg	130.1								
7440-41-7	Beryllium	C200.7	mg/kg	15.6								
7440-43-9	Cadmium	C200.7	mg/kg	0.68								
7440-70-2	Calcium	C200.7	mg/kg	NL								
7440-47-3	Chromium	C200.7	mg/kg	52.3								
7440-48-4	Cobalt	C200.7	mg/kg	2.34								
7440-50-8	Copper	C200.7	mg/kg	18.7								
7439-89-6	Iron	C200.7	mg/kg	2000								
7439-92-1	Lead	C200.7	mg/kg	30.2								
7439-95-4	Magnesium	C200.7	mg/kg	NL								
7439-96-5	Manganese	C200.7	mg/kg	183								
7440-02-0	Nickel	C200.7	mg/kg	15.9								
7440-09-7	Potassium	C200.7	mg/kg	NL								
7782-49-2	Selenium	C200.7	mg/kg	2								
7440-22-4	Silver	C200.7	mg/kg	0.73								
7440-23-5	Sodium	C200.7	mg/kg	NL								
7440-28-0	Thallium	C200.7	mg/kg	100000								
7440-31-5	Tin	C200.7	mg/kg	NL								
7440-62-2	Vanadium (Fume	C200.7	mg/kg	0.548								
7440-66-6	Zinc	C200.7	mg/kg	124								
7429-90-5	Aluminum	E200.7	mg/kg	7740	1040		2000		4190		5080	
7439-89-6	Iron	E200.7	mg/kg	2000	13900		8580	J	21100	J	15000	J
7439-92-1	Lead	E200.7	mg/kg	30.2								
7439-95-4	Magnesium	E200.7	mg/kg	NL	627		1370		1550		2390	
7439-96-5	Manganese	E200.7	mg/kg	183								
7440-09-7	Potassium	E200.7	mg/kg	NL	228	J	492	J	762		1130	
7440-23-5	Sodium	E200.7	mg/kg	NL	1290		3560		2620		2930	
7440-38-2	Arsenic	E200.7	mg/kg	0.389								
7440-50-8	Copper	E200.7	mg/kg	18.7								

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				sys_loc_code:	C113		C114		C115		C116	
				loc_name:	Area-07		Area-07		Area-07		Area-07	
				sys_sample_code:	C113 0-6		C114 0-6		C115 0-6		C116 0-6	
				depth:	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/09/2009		07/08/2009		07/08/2009		07/08/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7440-66-6	Zinc	E200.7	mg/kg	124								
7440-70-2	Calcium	E200.7	mg/kg	NL	7990		47700	J	49100	J	3240	J
7439-92-1	Lead	E200.8	mg/kg	30.2	6.1	J	97.1		481		21.7	
7439-96-5	Manganese	E200.8	mg/kg	183	33.2	J	61.5	J	91	J	119	J
7440-02-0	Nickel	E200.8	mg/kg	15.9	1.8	J	4.3		9		6	
7440-22-4	Silver	E200.8	mg/kg	0.73	0.28	U	0.31	U	0.29	U	0.33	U
7440-28-0	Thallium	E200.8	mg/kg	100000	0.56	U	0.62	U	0.57	U	0.66	U
7440-36-0	Antimony	E200.8	mg/kg	2	1.1	UJ	3.3		4.6		1.5	
7440-38-2	Arsenic	E200.8	mg/kg	0.389	2.2		5	J	22.3	J	5.9	J
7440-39-3	Barium	E200.8	mg/kg	130.1	5.6	U	7.9	J	9.5	J	8.9	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.17	J	0.36		0.61		0.31	J
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.025	J	0.15	J	0.41		0.086	J
7440-47-3	Chromium	E200.8	mg/kg	52.3	11.3	J	15.6	J	24	J	11.7	J
7440-48-4	Cobalt	E200.8	mg/kg	2.34	0.82		1.5		2.6		2.9	
7440-50-8	Copper	E200.8	mg/kg	18.7	3.6	J	54.2		41.6		8.3	
7440-62-2	Vanadium (Fume	E200.8	mg/kg	0.548	14.6	J	10	J	38.7	J	19.5	J
7440-66-6	Zinc	E200.8	mg/kg	124	17	J	49.2	J	60.8	J	31.9	J
7782-49-2	Selenium	E200.8	mg/kg	2	0.13	J	0.29	J	0.51	J	0.3	J
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.035	U	0.31	J	0.19	J	0.052	J
1024-57-3	Heptachlor Epox	CPEST	ug/kg	0.6								
1031-07-8	Endosulfan Sulfa	CPEST	ug/kg	0.357								
309-00-2	Aldrin	CPEST	ug/kg	2								
319-84-6	Alpha-Bhc	CPEST	ug/kg	3								
319-85-7	Beta-Bhc	CPEST	ug/kg	3								
319-86-8	Delta-Bhc	CPEST	ug/kg	3								
33213-65-9	Endosulfan II	CPEST	ug/kg	14								
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19								
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7								
5103-74-2	Gamma-Chlorda	CPEST	ug/kg	7								
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL								
58-89-9	Gamma-Bhc (Lin	CPEST	ug/kg	0.32								
60-57-1	Dieldrin	CPEST	ug/kg	0.72								

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				sys_loc_code:	C113		C114		C115		C116	
				loc_name:	Area-07		Area-07		Area-07		Area-07	
				sys_sample_code:	C113 0-6		C114 0-6		C115 0-6		C116 0-6	
				depth:	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/09/2009		07/08/2009		07/08/2009		07/08/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
72-20-8	Endrin	CPEST	ug/kg	2.67								
72-43-5	Methoxychlor	CPEST	ug/kg	29.6								
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22								
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07								
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL								
76-44-8	Heptachlor	CPEST	ug/kg	68								
8001-35-2	Chlorinated Cam	CPEST	ug/kg	0.1								
959-98-8	Endosulfan I	CPEST	ug/kg	2.9								
11096-82-5	Aroclor 1260	E608	ug/kg	21.6								
11097-69-1	Aroclor 1254	E608	ug/kg	23								
11100-14-4	Aroclor 1268	E608	ug/kg	21.6								
11104-28-2	Aroclor 1221	E608	ug/kg	21.6								
11141-16-5	Aroclor 1232	E608	ug/kg	21.6								
12672-29-6	Aroclor 1248	E608	ug/kg	21.6								
12674-11-2	Aroclor 1016	E608	ug/kg	21.6								
37324-23-5	Aroclor 1262	E608	ug/kg	21.6								
53469-21-9	Aroclor 1242	E608	ug/kg	21.6								
100-41-4	Ethylbenzene	E624	ug/kg	305								
100-42-5	Styrene	E624	ug/kg	7070								
10061-01-5	cis-1,3-Dichlorop	E624	ug/kg	NL								
10061-02-6	trans-1,3-Dichlor	E624	ug/kg	NL								
106-46-7	1,4-Dichlorobenz	E624	ug/kg	460								
106-93-4	1,2-Dibromoetha	E624	ug/kg	33.7								
107-06-2	1,2-Dichloroethar	E624	ug/kg	432								
108-10-1	4-Methyl-2-Penta	E624	ug/kg	532000								
108-87-2	Methylcyclohexa	E624	ug/kg	NL								
108-88-3	Toluene	E624	ug/kg	1090								
108-90-7	Chlorobenzene	E624	ug/kg	162								
110-82-7	Cyclohexane	E624	ug/kg	117000								
120-82-1	1,2,4-Trichlorobe	E624	ug/kg	473								
123-91-1	1,4-Dioxane	E624	ug/kg	44100								
124-48-1	Dibromochlorom	E624	ug/kg	680								

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				sys_loc_code:	C113		C114		C115		C116	
				loc_name:	Area-07		Area-07		Area-07		Area-07	
				sys_sample_code:	C113 0-6		C114 0-6		C115 0-6		C116 0-6	
				depth:	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/09/2009		07/08/2009		07/08/2009		07/08/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
127-18-4	Tetrachloroethen	E624	ug/kg	190								
156-59-2	cis-1,2-Dichloroe	E624	ug/kg	78200								
156-60-5	trans-1,2-Dichlor	E624	ug/kg	15300								
1634-04-4	Methyl tert-Butyl	E624	ug/kg	43300								
179601-23-1	m,p-Xylene	E624	ug/kg	NL								
541-73-1	1,3-Dichlorobenz	E624	ug/kg	842								
56-23-5	Carbon tetrachlo	E624	ug/kg	248								
591-78-6	2-Hexanone	E624	ug/kg	20900								
67-64-1	Acetone	E624	ug/kg	6130000								
67-66-3	Chloroform	E624	ug/kg	295								
71-43-2	Benzene	E624	ug/kg	137								
71-55-6	1,1,1-Trichloroetl	E624	ug/kg	856								
74-83-9	Bromomethane	E624	ug/kg	732								
74-87-3	Chloromethane	E624	ug/kg	11900								
74-97-5	Bromochlorometl	E624	ug/kg	NL								
75-00-3	Chloroethane	E624	ug/kg	1450000								
75-01-4	Vinyl Chloride	E624	ug/kg	59.7								
75-09-2	Methylene chlori	E624	ug/kg	10700								
75-15-0	Carbon Disulfide	E624	ug/kg	0.851								
75-25-2	Bromoform	E624	ug/kg	1310								
75-27-4	Bromodichlorom	E624	ug/kg	273								
75-34-3	1,1-Dichloroetha	E624	ug/kg	3310								
75-35-4	1,1-Dichloroethe	E624	ug/kg	2780								
75-69-4	Trichlorofluorom	E624	ug/kg	78700								
75-71-8	Dichlorodifluoro	E624	ug/kg	18400								
76-13-1	1,1,2-Trichloro-1	E624	ug/kg	910000								
78-87-5	1,2-Dichloroprop	E624	ug/kg	895								
78-93-3	2-Butanone	E624	ug/kg	2780000								
79-00-5	1,1,2-Trichloroetl	E624	ug/kg	570								
79-01-6	Trichloroethene	E624	ug/kg	1600								
79-20-9	Methyl Acetate	E624	ug/kg	7820000								
79-34-5	1,1,2,2-Tetrachlo	E624	ug/kg	202								

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				sys_loc_code:	C113		C114		C115		C116	
				loc_name:	Area-07		Area-07		Area-07		Area-07	
				sys_sample_code:	C113 0-6		C114 0-6		C115 0-6		C116 0-6	
				depth:	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/09/2009		07/08/2009		07/08/2009		07/08/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
87-61-6	1,2,3-Trichlorobe	E624	ug/kg	858								
95-47-6	o-Xylene	E624	ug/kg	NL								
95-50-1	1,2-Dichlorobenz	E624	ug/kg	989								
96-12-8	1,2-Dibromo-3-cl	E624	ug/kg	5.35								
98-82-8	Isopropylbenzen	E624	ug/kg	86								
100-01-6	4-Nitroaniline	E625	ug/kg	24300								
100-02-7	4-Nitrophenol	E625	ug/kg	NL								
100-52-7	Benzaldehyde	E625	ug/kg	782000								
101-55-3	4-Bromophenyl P	E625	ug/kg	1230								
105-60-2	Caprolactam	E625	ug/kg	3060000								
105-67-9	2,4-Dimethylpher	E625	ug/kg	29								
106-44-5	4-Methylphenol	E625	ug/kg	670								
106-47-8	4-Chloroaniline	E625	ug/kg	2430								
108-60-1	Bis-Chloroisopro	E625	ug/kg	4570								
108-95-2	Phenol	E625	ug/kg	420								
111-44-4	Bis(2-Chloroethy	E625	ug/kg	214								
111-91-1	Bis(2-Chloroetho	E625	ug/kg	18300								
117-81-7	Bis(2-Ethylhexyl)	E625	ug/kg	182								
117-84-0	Di-N-Octyl Phtha	E625	ug/kg	NL								
118-74-1	Hexachlorobenze	E625	ug/kg	20								
120-12-7	Anthracene	E625	ug/kg	46.9								
120-83-2	2,4-Dichlorophen	E625	ug/kg	117								
121-14-2	2,4-Dinitrotoluen	E625	ug/kg	41.6								
129-00-0	Pyrene	E625	ug/kg	153								
131-11-3	Dimethylphthalat	E625	ug/kg	NL								
132-64-9	Dibenzofuran	E625	ug/kg	7300								
1912-24-9	Atrazine	E625	ug/kg	6.62								
191-24-2	Benzo(g,h,i)peryl	E625	ug/kg	170								
193-39-5	Indeno(1,2,3-Cd)	E625	ug/kg	17								
205-99-2	Benzo(b)fluorant	E625	ug/kg	148								
206-44-0	Fluoranthene	E625	ug/kg	113								
207-08-9	Benzo(k)fluorant	E625	ug/kg	240								

				sys_loc_code:	C113		C114		C115		C116	
				loc_name:	Area-07		Area-07		Area-07		Area-07	
				sys_sample_code:	C113 0-6		C114 0-6		C115 0-6		C116 0-6	
				depth:	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/09/2009		07/08/2009		07/08/2009		07/08/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
208-96-8	Acenaphthylene	E625	ug/kg	5.87								
218-01-9	Chrysene	E625	ug/kg	108								
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8								
51-28-5	2,4-Dinitropheno	E625	ug/kg	12200								
534-52-1	4,6-Dinitro-2-Met	E625	ug/kg	611								
53-70-3	Dibenzo(a,h)anth	E625	ug/kg	6.22								
56-55-3	Benzo(a)anthrac	E625	ug/kg	74.8								
58-90-2	Chlorophenols	E625	ug/kg	284								
59-50-7	4-Chloro-3-Methy	E625	ug/kg	611000								
606-20-2	2,6-Dinitrotoluen	E625	ug/kg	6120								
621-64-7	N-Nitroso-Di-N-P	E625	ug/kg	69.4								
67-72-1	Hexachloroethan	E625	ug/kg	804								
7005-72-3	4-Chlorophenyl F	E625	ug/kg	NL								
77-47-4	Hexachlorocyclo	E625	ug/kg	139								
78-59-1	Isophorone	E625	ug/kg	511000								
83-32-9	Acenaphthene	E625	ug/kg	6.71								
84-66-2	Diethylphthalate	E625	ug/kg	218								
84-74-2	Di-N-Butylphthal	E625	ug/kg	1160								
85-01-8	Phenanthrene	E625	ug/kg	86.7								
85-68-7	Butylbenzylphtha	E625	ug/kg	16800								
86-30-6	N-Nitrosodipheny	E625	ug/kg	99100								
86-73-7	Fluorene	E625	ug/kg	19								
86-74-8	Carbazole	E625	ug/kg	NL								
87-68-3	Hexachlorobutad	E625	ug/kg	6110								
87-86-5	Pentachlorophen	E625	ug/kg	2970								
88-06-2	2,4,6-Trichloroph	E625	ug/kg	2650								
88-74-4	2-Nitroaniline	E625	ug/kg	60600								
88-75-5	2-Nitrophenol	E625	ug/kg	NL								
91-20-3	Naphthalene	E625	ug/kg	34.6								
91-57-6	2-Methylnaphtha	E625	ug/kg	20.2								
91-58-7	2-Chloronaphtha	E625	ug/kg	175000								
91-94-1	3,3`-Dichloroben	E625	ug/kg	1080								

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				sys_loc_code:	C113		C114		C115		C116	
				loc_name:	Area-07		Area-07		Area-07		Area-07	
				sys_sample_code:	C113 0-6		C114 0-6		C115 0-6		C116 0-6	
				depth:	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/09/2009		07/08/2009		07/08/2009		07/08/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220								
95-48-7	2-Methylphenol	E625	ug/kg	306000								
95-57-8	2-Chlorophenol	E625	ug/kg	344								
95-94-3	1,2,4,5-Tetrachlo	E625	ug/kg	1830								
95-95-4	2,4,5-Trichloroph	E625	ug/kg	819								
98-86-2	Acetophenone	E625	ug/kg	782000								
98-95-3	Nitrobenzene	E625	ug/kg	4790								
99-09-2	3-Nitroaniline	E625	ug/kg	NL								

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				sys_loc_code:	C117		C118		C119		C120	
				loc_name:	Area-07		Area-07		Area-07		Area-07	
				sys_sample_code:	C117 0-6		C118 0-6		C119 0-6		C120 0-6	
				depth:	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/09/2009		07/09/2009		07/09/2009		07/09/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	C200.7	mg/kg	7740								
7440-36-0	Antimony	C200.7	mg/kg	2								
7440-38-2	Arsenic	C200.7	mg/kg	0.389								
7440-39-3	Barium	C200.7	mg/kg	130.1								
7440-41-7	Beryllium	C200.7	mg/kg	15.6								
7440-43-9	Cadmium	C200.7	mg/kg	0.68								
7440-70-2	Calcium	C200.7	mg/kg	NL								
7440-47-3	Chromium	C200.7	mg/kg	52.3								
7440-48-4	Cobalt	C200.7	mg/kg	2.34								
7440-50-8	Copper	C200.7	mg/kg	18.7								
7439-89-6	Iron	C200.7	mg/kg	2000								
7439-92-1	Lead	C200.7	mg/kg	30.2								
7439-95-4	Magnesium	C200.7	mg/kg	NL								
7439-96-5	Manganese	C200.7	mg/kg	183								
7440-02-0	Nickel	C200.7	mg/kg	15.9								
7440-09-7	Potassium	C200.7	mg/kg	NL								
7782-49-2	Selenium	C200.7	mg/kg	2								
7440-22-4	Silver	C200.7	mg/kg	0.73								
7440-23-5	Sodium	C200.7	mg/kg	NL								
7440-28-0	Thallium	C200.7	mg/kg	100000								
7440-31-5	Tin	C200.7	mg/kg	NL								
7440-62-2	Vanadium (Fume	C200.7	mg/kg	0.548								
7440-66-6	Zinc	C200.7	mg/kg	124								
7429-90-5	Aluminum	E200.7	mg/kg	7740	1170		2540	J	2180	J	3090	J
7439-89-6	Iron	E200.7	mg/kg	2000	16100		36200	J	35600	J	14800	J
7439-92-1	Lead	E200.7	mg/kg	30.2			194	J	95.1	J	13.1	J
7439-95-4	Magnesium	E200.7	mg/kg	NL	722		993		900		1800	
7439-96-5	Manganese	E200.7	mg/kg	183			64.9		100		99.7	
7440-09-7	Potassium	E200.7	mg/kg	NL	192	J	329	J	298	J	705	
7440-23-5	Sodium	E200.7	mg/kg	NL	1780		2130	J	1660	J	2530	J
7440-38-2	Arsenic	E200.7	mg/kg	0.389			16.1		38.2		6	
7440-50-8	Copper	E200.7	mg/kg	18.7			35.6		91.6		7.2	

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Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 7 Sediment < 12

				sys_loc_code:	C117		C118		C119		C120	
				loc_name:	Area-07		Area-07		Area-07		Area-07	
				sys_sample_code:	C117 0-6		C118 0-6		C119 0-6		C120 0-6	
				depth:	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/09/2009		07/09/2009		07/09/2009		07/09/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7440-66-6	Zinc	E200.7	mg/kg	124			100		97.5		39.5	
7440-70-2	Calcium	E200.7	mg/kg	NL	19400		17500		7330		4380	
7439-92-1	Lead	E200.8	mg/kg	30.2	13	J						
7439-96-5	Manganese	E200.8	mg/kg	183	40.3	J						
7440-02-0	Nickel	E200.8	mg/kg	15.9	2	J						
7440-22-4	Silver	E200.8	mg/kg	0.73	0.28	UJ						
7440-28-0	Thallium	E200.8	mg/kg	100000	0.55	U						
7440-36-0	Antimony	E200.8	mg/kg	2	1.1	UJ						
7440-38-2	Arsenic	E200.8	mg/kg	0.389	3.4							
7440-39-3	Barium	E200.8	mg/kg	130.1	5.5	U						
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.54							
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.065	J						
7440-47-3	Chromium	E200.8	mg/kg	52.3	12.9	J						
7440-48-4	Cobalt	E200.8	mg/kg	2.34	0.79							
7440-50-8	Copper	E200.8	mg/kg	18.7	4.7	J						
7440-62-2	Vanadium (Fume	E200.8	mg/kg	0.548	15.4	J						
7440-66-6	Zinc	E200.8	mg/kg	124	25.2	J						
7782-49-2	Selenium	E200.8	mg/kg	2	0.2	J						
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.043							
1024-57-3	Heptachlor Epox	CPEST	ug/kg	0.6								
1031-07-8	Endosulfan Sulfa	CPEST	ug/kg	0.357								
309-00-2	Aldrin	CPEST	ug/kg	2								
319-84-6	Alpha-Bhc	CPEST	ug/kg	3								
319-85-7	Beta-Bhc	CPEST	ug/kg	3								
319-86-8	Delta-Bhc	CPEST	ug/kg	3								
33213-65-9	Endosulfan II	CPEST	ug/kg	14								
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19								
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7								
5103-74-2	Gamma-Chlorda	CPEST	ug/kg	7								
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL								
58-89-9	Gamma-Bhc (Lin	CPEST	ug/kg	0.32								
60-57-1	Dieldrin	CPEST	ug/kg	0.72								

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				sys_loc_code:	C117		C118		C119		C120	
				loc_name:	Area-07		Area-07		Area-07		Area-07	
				sys_sample_code:	C117 0-6		C118 0-6		C119 0-6		C120 0-6	
				depth:	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/09/2009		07/09/2009		07/09/2009		07/09/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
72-20-8	Endrin	CPEST	ug/kg	2.67								
72-43-5	Methoxychlor	CPEST	ug/kg	29.6								
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22								
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07								
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL								
76-44-8	Heptachlor	CPEST	ug/kg	68								
8001-35-2	Chlorinated Cam	CPEST	ug/kg	0.1								
959-98-8	Endosulfan I	CPEST	ug/kg	2.9								
11096-82-5	Aroclor 1260	E608	ug/kg	21.6								
11097-69-1	Aroclor 1254	E608	ug/kg	23								
11100-14-4	Aroclor 1268	E608	ug/kg	21.6								
11104-28-2	Aroclor 1221	E608	ug/kg	21.6								
11141-16-5	Aroclor 1232	E608	ug/kg	21.6								
12672-29-6	Aroclor 1248	E608	ug/kg	21.6								
12674-11-2	Aroclor 1016	E608	ug/kg	21.6								
37324-23-5	Aroclor 1262	E608	ug/kg	21.6								
53469-21-9	Aroclor 1242	E608	ug/kg	21.6								
100-41-4	Ethylbenzene	E624	ug/kg	305								
100-42-5	Styrene	E624	ug/kg	7070								
10061-01-5	cis-1,3-Dichlorop	E624	ug/kg	NL								
10061-02-6	trans-1,3-Dichlor	E624	ug/kg	NL								
106-46-7	1,4-Dichlorobenz	E624	ug/kg	460								
106-93-4	1,2-Dibromoetha	E624	ug/kg	33.7								
107-06-2	1,2-Dichloroethar	E624	ug/kg	432								
108-10-1	4-Methyl-2-Penta	E624	ug/kg	532000								
108-87-2	Methylcyclohexa	E624	ug/kg	NL								
108-88-3	Toluene	E624	ug/kg	1090								
108-90-7	Chlorobenzene	E624	ug/kg	162								
110-82-7	Cyclohexane	E624	ug/kg	117000								
120-82-1	1,2,4-Trichlorobe	E624	ug/kg	473								
123-91-1	1,4-Dioxane	E624	ug/kg	44100								
124-48-1	Dibromochlorom	E624	ug/kg	680								

				sys_loc_code:	C117		C118		C119		C120	
				loc_name:	Area-07		Area-07		Area-07		Area-07	
				sys_sample_code:	C117 0-6		C118 0-6		C119 0-6		C120 0-6	
				depth:	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/09/2009		07/09/2009		07/09/2009		07/09/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
127-18-4	Tetrachloroethen	E624	ug/kg	190								
156-59-2	cis-1,2-Dichloroe	E624	ug/kg	78200								
156-60-5	trans-1,2-Dichlor	E624	ug/kg	15300								
1634-04-4	Methyl tert-Butyl	E624	ug/kg	43300								
179601-23-1	m,p-Xylene	E624	ug/kg	NL								
541-73-1	1,3-Dichlorobenz	E624	ug/kg	842								
56-23-5	Carbon tetrachlo	E624	ug/kg	248								
591-78-6	2-Hexanone	E624	ug/kg	20900								
67-64-1	Acetone	E624	ug/kg	6130000								
67-66-3	Chloroform	E624	ug/kg	295								
71-43-2	Benzene	E624	ug/kg	137								
71-55-6	1,1,1-Trichloroetl	E624	ug/kg	856								
74-83-9	Bromomethane	E624	ug/kg	732								
74-87-3	Chloromethane	E624	ug/kg	11900								
74-97-5	Bromochlorometl	E624	ug/kg	NL								
75-00-3	Chloroethane	E624	ug/kg	1450000								
75-01-4	Vinyl Chloride	E624	ug/kg	59.7								
75-09-2	Methylene chlori	E624	ug/kg	10700								
75-15-0	Carbon Disulfide	E624	ug/kg	0.851								
75-25-2	Bromoform	E624	ug/kg	1310								
75-27-4	Bromodichlorom	E624	ug/kg	273								
75-34-3	1,1-Dichloroetha	E624	ug/kg	3310								
75-35-4	1,1-Dichloroethe	E624	ug/kg	2780								
75-69-4	Trichlorofluorom	E624	ug/kg	78700								
75-71-8	Dichlorodifluoron	E624	ug/kg	18400								
76-13-1	1,1,2-Trichloro-1	E624	ug/kg	910000								
78-87-5	1,2-Dichloroprop	E624	ug/kg	895								
78-93-3	2-Butanone	E624	ug/kg	2780000								
79-00-5	1,1,2-Trichloroetl	E624	ug/kg	570								
79-01-6	Trichloroethene	E624	ug/kg	1600								
79-20-9	Methyl Acetate	E624	ug/kg	7820000								
79-34-5	1,1,2,2-Tetrachlo	E624	ug/kg	202								

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				sys_loc_code:	C117		C118		C119		C120	
				loc_name:	Area-07		Area-07		Area-07		Area-07	
				sys_sample_code:	C117 0-6		C118 0-6		C119 0-6		C120 0-6	
				depth:	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/09/2009		07/09/2009		07/09/2009		07/09/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
87-61-6	1,2,3-Trichlorobe	E624	ug/kg	858								
95-47-6	o-Xylene	E624	ug/kg	NL								
95-50-1	1,2-Dichlorobenz	E624	ug/kg	989								
96-12-8	1,2-Dibromo-3-cl	E624	ug/kg	5.35								
98-82-8	Isopropylbenzen	E624	ug/kg	86								
100-01-6	4-Nitroaniline	E625	ug/kg	24300								
100-02-7	4-Nitrophenol	E625	ug/kg	NL								
100-52-7	Benzaldehyde	E625	ug/kg	782000								
101-55-3	4-Bromophenyl P	E625	ug/kg	1230								
105-60-2	Caprolactam	E625	ug/kg	3060000								
105-67-9	2,4-Dimethylpher	E625	ug/kg	29								
106-44-5	4-Methylphenol	E625	ug/kg	670								
106-47-8	4-Chloroaniline	E625	ug/kg	2430								
108-60-1	Bis-Chloroisopro	E625	ug/kg	4570								
108-95-2	Phenol	E625	ug/kg	420								
111-44-4	Bis(2-Chloroethy	E625	ug/kg	214								
111-91-1	Bis(2-Chloroetho	E625	ug/kg	18300								
117-81-7	Bis(2-Ethylhexyl)	E625	ug/kg	182								
117-84-0	Di-N-Octyl Phtha	E625	ug/kg	NL								
118-74-1	Hexachlorobenze	E625	ug/kg	20								
120-12-7	Anthracene	E625	ug/kg	46.9								
120-83-2	2,4-Dichlorophen	E625	ug/kg	117								
121-14-2	2,4-Dinitrotoluen	E625	ug/kg	41.6								
129-00-0	Pyrene	E625	ug/kg	153								
131-11-3	Dimethylphthalat	E625	ug/kg	NL								
132-64-9	Dibenzofuran	E625	ug/kg	7300								
1912-24-9	Atrazine	E625	ug/kg	6.62								
191-24-2	Benzo(g,h,i)peryl	E625	ug/kg	170								
193-39-5	Indeno(1,2,3-Cd)	E625	ug/kg	17								
205-99-2	Benzo(b)fluorant	E625	ug/kg	148								
206-44-0	Fluoranthene	E625	ug/kg	113								
207-08-9	Benzo(k)fluorant	E625	ug/kg	240								

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				sys_loc_code:	C117		C118		C119		C120	
				loc_name:	Area-07		Area-07		Area-07		Area-07	
				sys_sample_code:	C117 0-6		C118 0-6		C119 0-6		C120 0-6	
				depth:	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/09/2009		07/09/2009		07/09/2009		07/09/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
208-96-8	Acenaphthylene	E625	ug/kg	5.87								
218-01-9	Chrysene	E625	ug/kg	108								
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8								
51-28-5	2,4-Dinitropheno	E625	ug/kg	12200								
534-52-1	4,6-Dinitro-2-Met	E625	ug/kg	611								
53-70-3	Dibenzo(a,h)anth	E625	ug/kg	6.22								
56-55-3	Benzo(a)anthrac	E625	ug/kg	74.8								
58-90-2	Chlorophenols	E625	ug/kg	284								
59-50-7	4-Chloro-3-Methy	E625	ug/kg	611000								
606-20-2	2,6-Dinitrotoluen	E625	ug/kg	6120								
621-64-7	N-Nitroso-Di-N-P	E625	ug/kg	69.4								
67-72-1	Hexachloroethan	E625	ug/kg	804								
7005-72-3	4-Chlorophenyl F	E625	ug/kg	NL								
77-47-4	Hexachlorocyclo	E625	ug/kg	139								
78-59-1	Isophorone	E625	ug/kg	511000								
83-32-9	Acenaphthene	E625	ug/kg	6.71								
84-66-2	Diethylphthalate	E625	ug/kg	218								
84-74-2	Di-N-Butylphthala	E625	ug/kg	1160								
85-01-8	Phenanthrene	E625	ug/kg	86.7								
85-68-7	Butylbenzylphtha	E625	ug/kg	16800								
86-30-6	N-Nitrosodipheny	E625	ug/kg	99100								
86-73-7	Fluorene	E625	ug/kg	19								
86-74-8	Carbazole	E625	ug/kg	NL								
87-68-3	Hexachlorobutad	E625	ug/kg	6110								
87-86-5	Pentachlorophen	E625	ug/kg	2970								
88-06-2	2,4,6-Trichloroph	E625	ug/kg	2650								
88-74-4	2-Nitroaniline	E625	ug/kg	60600								
88-75-5	2-Nitrophenol	E625	ug/kg	NL								
91-20-3	Naphthalene	E625	ug/kg	34.6								
91-57-6	2-Methylnaphtha	E625	ug/kg	20.2								
91-58-7	2-Chloronaphtha	E625	ug/kg	175000								
91-94-1	3,3`-Dichloroben	E625	ug/kg	1080								

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				sys_loc_code:	C117		C118		C119		C120	
				loc_name:	Area-07		Area-07		Area-07		Area-07	
				sys_sample_code:	C117 0-6		C118 0-6		C119 0-6		C120 0-6	
				depth:	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/09/2009		07/09/2009		07/09/2009		07/09/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220								
95-48-7	2-Methylphenol	E625	ug/kg	306000								
95-57-8	2-Chlorophenol	E625	ug/kg	344								
95-94-3	1,2,4,5-Tetrachlo	E625	ug/kg	1830								
95-95-4	2,4,5-Trichloroph	E625	ug/kg	819								
98-86-2	Acetophenone	E625	ug/kg	782000								
98-95-3	Nitrobenzene	E625	ug/kg	4790								
99-09-2	3-Nitroaniline	E625	ug/kg	NL								

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				sys_loc_code:	C121		C122		C123		C124	
				loc_name:	Area-07		Area-07		Area-07		Area-07	
				sys_sample_code:	C121 0-6		C122 0-6		C123 0-6		C124 0-6	
				depth:	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/08/2009		07/08/2009		07/08/2009		07/08/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	C200.7	mg/kg	7740								
7440-36-0	Antimony	C200.7	mg/kg	2								
7440-38-2	Arsenic	C200.7	mg/kg	0.389								
7440-39-3	Barium	C200.7	mg/kg	130.1								
7440-41-7	Beryllium	C200.7	mg/kg	15.6								
7440-43-9	Cadmium	C200.7	mg/kg	0.68								
7440-70-2	Calcium	C200.7	mg/kg	NL								
7440-47-3	Chromium	C200.7	mg/kg	52.3								
7440-48-4	Cobalt	C200.7	mg/kg	2.34								
7440-50-8	Copper	C200.7	mg/kg	18.7								
7439-89-6	Iron	C200.7	mg/kg	2000								
7439-92-1	Lead	C200.7	mg/kg	30.2								
7439-95-4	Magnesium	C200.7	mg/kg	NL								
7439-96-5	Manganese	C200.7	mg/kg	183								
7440-02-0	Nickel	C200.7	mg/kg	15.9								
7440-09-7	Potassium	C200.7	mg/kg	NL								
7782-49-2	Selenium	C200.7	mg/kg	2								
7440-22-4	Silver	C200.7	mg/kg	0.73								
7440-23-5	Sodium	C200.7	mg/kg	NL								
7440-28-0	Thallium	C200.7	mg/kg	100000								
7440-31-5	Tin	C200.7	mg/kg	NL								
7440-62-2	Vanadium (Fume	C200.7	mg/kg	0.548								
7440-66-6	Zinc	C200.7	mg/kg	124								
7429-90-5	Aluminum	E200.7	mg/kg	7740	2780		5130	J	2180	J	1610	J
7439-89-6	Iron	E200.7	mg/kg	2000	20100	J	14500	J	25500	J	11300	J
7439-92-1	Lead	E200.7	mg/kg	30.2								
7439-95-4	Magnesium	E200.7	mg/kg	NL	1090		2750	J	718	J	649	J
7439-96-5	Manganese	E200.7	mg/kg	183								
7440-09-7	Potassium	E200.7	mg/kg	NL	442	J	1140	J	597	UJ	626	UJ
7440-23-5	Sodium	E200.7	mg/kg	NL	2360		3930		1500		1870	
7440-38-2	Arsenic	E200.7	mg/kg	0.389								
7440-50-8	Copper	E200.7	mg/kg	18.7								

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				sys_loc_code:	C121		C122		C123		C124	
				loc_name:	Area-07		Area-07		Area-07		Area-07	
				sys_sample_code:	C121 0-6		C122 0-6		C123 0-6		C124 0-6	
				depth:	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/08/2009		07/08/2009		07/08/2009		07/08/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7440-66-6	Zinc	E200.7	mg/kg	124								
7440-70-2	Calcium	E200.7	mg/kg	NL	30400	J	7020		2750		4080	
7439-92-1	Lead	E200.8	mg/kg	30.2	125		36.2	J	503	J	17	J
7439-96-5	Manganese	E200.8	mg/kg	183	48.7	J	132		33		45.7	
7440-02-0	Nickel	E200.8	mg/kg	15.9	4.1		6.9	J	5.5	J	3.4	J
7440-22-4	Silver	E200.8	mg/kg	0.73	0.31	U	0.33	U	0.3	U	0.31	U
7440-28-0	Thallium	E200.8	mg/kg	100000	0.62	U	0.67	U	0.6	U	0.63	U
7440-36-0	Antimony	E200.8	mg/kg	2	4		1.3	UJ	11.1	J	1.3	UJ
7440-38-2	Arsenic	E200.8	mg/kg	0.389	6.3	J	7	J	11.6	J	5.9	J
7440-39-3	Barium	E200.8	mg/kg	130.1	6	J	11.5	J	5	J	3.7	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.24	J	0.41		0.26	J	0.27	J
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.19	J	0.12	J	0.34	J	0.19	J
7440-47-3	Chromium	E200.8	mg/kg	52.3	9.1	J	12.4		16.4		10.2	
7440-48-4	Cobalt	E200.8	mg/kg	2.34	1.5		3.3		1.9		1.6	
7440-50-8	Copper	E200.8	mg/kg	18.7	18.7		12.6		31.5		9.9	
7440-62-2	Vanadium (Fume	E200.8	mg/kg	0.548	14	J	17.6	J	24.5	J	23.5	J
7440-66-6	Zinc	E200.8	mg/kg	124	48.5	J	44.1		72.2		42.4	
7782-49-2	Selenium	E200.8	mg/kg	2	0.3	J	0.5	J	0.35	J	0.31	J
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.18	J	0.095		0.15		0.13	
1024-57-3	Heptachlor Epox	CPEST	ug/kg	0.6	2.1	UJ						
1031-07-8	Endosulfan Sulfa	CPEST	ug/kg	0.357	4.1	U						
309-00-2	Aldrin	CPEST	ug/kg	2	2.1	U						
319-84-6	Alpha-Bhc	CPEST	ug/kg	3	2.1	UJ						
319-85-7	Beta-Bhc	CPEST	ug/kg	3	2.1	U						
319-86-8	Delta-Bhc	CPEST	ug/kg	3	2.1	U						
33213-65-9	Endosulfan II	CPEST	ug/kg	14	0.2	J						
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19	4.1	UJ						
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7	2.1	UJ						
5103-74-2	Gamma-Chlorda	CPEST	ug/kg	7	2.1	U						
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL	4.1	U						
58-89-9	Gamma-Bhc (Lin	CPEST	ug/kg	0.32	2.1	U						
60-57-1	Dieldrin	CPEST	ug/kg	0.72	4.1	U						

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				sys_loc_code:	C121		C122		C123		C124	
				loc_name:	Area-07		Area-07		Area-07		Area-07	
				sys_sample_code:	C121 0-6		C122 0-6		C123 0-6		C124 0-6	
				depth:	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/08/2009		07/08/2009		07/08/2009		07/08/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
72-20-8	Endrin	CPEST	ug/kg	2.67	4.1	U						
72-43-5	Methoxychlor	CPEST	ug/kg	29.6	21	U						
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22	4.1	UJ						
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07	4.1	U						
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL	4.1	U						
76-44-8	Heptachlor	CPEST	ug/kg	68	2.1	U						
8001-35-2	Chlorinated Cam	CPEST	ug/kg	0.1	210	U						
959-98-8	Endosulfan I	CPEST	ug/kg	2.9	2.1	U						
11096-82-5	Aroclor 1260	E608	ug/kg	21.6	41	U						
11097-69-1	Aroclor 1254	E608	ug/kg	23	12	J						
11100-14-4	Aroclor 1268	E608	ug/kg	21.6	41	U						
11104-28-2	Aroclor 1221	E608	ug/kg	21.6	41	U						
11141-16-5	Aroclor 1232	E608	ug/kg	21.6	41	U						
12672-29-6	Aroclor 1248	E608	ug/kg	21.6	41	U						
12674-11-2	Aroclor 1016	E608	ug/kg	21.6	41	U						
37324-23-5	Aroclor 1262	E608	ug/kg	21.6	41	U						
53469-21-9	Aroclor 1242	E608	ug/kg	21.6	41	U						
100-41-4	Ethylbenzene	E624	ug/kg	305	5.1	U						
100-42-5	Styrene	E624	ug/kg	7070	5.1	U						
10061-01-5	cis-1,3-Dichlorop	E624	ug/kg	NL	5.1	U						
10061-02-6	trans-1,3-Dichlor	E624	ug/kg	NL	5.1	U						
106-46-7	1,4-Dichlorobenz	E624	ug/kg	460	5.1	U						
106-93-4	1,2-Dibromoetha	E624	ug/kg	33.7	5.1	U						
107-06-2	1,2-Dichloroethar	E624	ug/kg	432	5.1	U						
108-10-1	4-Methyl-2-Penta	E624	ug/kg	532000	10	U						
108-87-2	Methylcyclohexa	E624	ug/kg	NL	5.1	U						
108-88-3	Toluene	E624	ug/kg	1090	5.1	U						
108-90-7	Chlorobenzene	E624	ug/kg	162	5.1	U						
110-82-7	Cyclohexane	E624	ug/kg	117000	5.1	U						
120-82-1	1,2,4-Trichlorobe	E624	ug/kg	473	5.1	U						
123-91-1	1,4-Dioxane	E624	ug/kg	44100	100	R						
124-48-1	Dibromochlorom	E624	ug/kg	680	5.1	U						

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				sys_loc_code:	C121		C122		C123		C124	
				loc_name:	Area-07		Area-07		Area-07		Area-07	
				sys_sample_code:	C121 0-6		C122 0-6		C123 0-6		C124 0-6	
				depth:	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/08/2009		07/08/2009		07/08/2009		07/08/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
127-18-4	Tetrachloroethen	E624	ug/kg	190	5.1	U						
156-59-2	cis-1,2-Dichloroe	E624	ug/kg	78200	5.1	U						
156-60-5	trans-1,2-Dichlor	E624	ug/kg	15300	5.1	U						
1634-04-4	Methyl tert-Butyl	E624	ug/kg	43300	5.1	U						
179601-23-1	m,p-Xylene	E624	ug/kg	NL	5.1	U						
541-73-1	1,3-Dichlorobenz	E624	ug/kg	842	5.1	U						
56-23-5	Carbon tetrachlo	E624	ug/kg	248	5.1	U						
591-78-6	2-Hexanone	E624	ug/kg	20900	10	U						
67-64-1	Acetone	E624	ug/kg	6130000	11	U						
67-66-3	Chloroform	E624	ug/kg	295	5.1	U						
71-43-2	Benzene	E624	ug/kg	137	5.1	U						
71-55-6	1,1,1-Trichloroetl	E624	ug/kg	856	5.1	U						
74-83-9	Bromomethane	E624	ug/kg	732	5.1	U						
74-87-3	Chloromethane	E624	ug/kg	11900	5.1	U						
74-97-5	Bromochlorometl	E624	ug/kg	NL	5.1	U						
75-00-3	Chloroethane	E624	ug/kg	1450000	5.1	U						
75-01-4	Vinyl Chloride	E624	ug/kg	59.7	5.1	U						
75-09-2	Methylene chlori	E624	ug/kg	10700	5.1	U						
75-15-0	Carbon Disulfide	E624	ug/kg	0.851	1.4	J						
75-25-2	Bromoform	E624	ug/kg	1310	5.1	U						
75-27-4	Bromodichlorome	E624	ug/kg	273	5.1	U						
75-34-3	1,1-Dichloroetha	E624	ug/kg	3310	5.1	U						
75-35-4	1,1-Dichloroethe	E624	ug/kg	2780	5.1	U						
75-69-4	Trichlorofluorome	E624	ug/kg	78700	5.1	U						
75-71-8	Dichlorodifluoron	E624	ug/kg	18400	5.1	U						
76-13-1	1,1,2-Trichloro-1	E624	ug/kg	910000	5.1	U						
78-87-5	1,2-Dichloroprop	E624	ug/kg	895	5.1	U						
78-93-3	2-Butanone	E624	ug/kg	2780000	10	U						
79-00-5	1,1,2-Trichloroetl	E624	ug/kg	570	5.1	U						
79-01-6	Trichloroethene	E624	ug/kg	1600	5.1	U						
79-20-9	Methyl Acetate	E624	ug/kg	7820000	5.1	U						
79-34-5	1,1,2,2-Tetrachlo	E624	ug/kg	202	5.1	U						

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				sys_loc_code:	C121		C122		C123		C124	
				loc_name:	Area-07		Area-07		Area-07		Area-07	
				sys_sample_code:	C121 0-6		C122 0-6		C123 0-6		C124 0-6	
				depth:	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/08/2009		07/08/2009		07/08/2009		07/08/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
87-61-6	1,2,3-Trichlorobe	E624	ug/kg	858	5.1	U						
95-47-6	o-Xylene	E624	ug/kg	NL	5.1	U						
95-50-1	1,2-Dichlorobenz	E624	ug/kg	989	5.1	U						
96-12-8	1,2-Dibromo-3-cl	E624	ug/kg	5.35	5.1	U						
98-82-8	Isopropylbenzen	E624	ug/kg	86	5.1	U						
100-01-6	4-Nitroaniline	E625	ug/kg	24300	410	U						
100-02-7	4-Nitrophenol	E625	ug/kg	NL	410	U						
100-52-7	Benzaldehyde	E625	ug/kg	782000	37	J						
101-55-3	4-Bromophenyl P	E625	ug/kg	1230	210	U						
105-60-2	Caprolactam	E625	ug/kg	3060000	210	U						
105-67-9	2,4-Dimethylpher	E625	ug/kg	29	210	U						
106-44-5	4-Methylphenol	E625	ug/kg	670	7.1	J						
106-47-8	4-Chloroaniline	E625	ug/kg	2430	210	U						
108-60-1	Bis-Chloroisopro	E625	ug/kg	4570	210	U						
108-95-2	Phenol	E625	ug/kg	420	20	J						
111-44-4	Bis(2-Chloroethy	E625	ug/kg	214	210	U						
111-91-1	Bis(2-Chloroetho	E625	ug/kg	18300	210	U						
117-81-7	Bis(2-Ethylhexyl)	E625	ug/kg	182	39	J						
117-84-0	Di-N-Octyl Phtha	E625	ug/kg	NL	210	U						
118-74-1	Hexachlorobenze	E625	ug/kg	20	210	U						
120-12-7	Anthracene	E625	ug/kg	46.9	210	U						
120-83-2	2,4-Dichlorophen	E625	ug/kg	117	210	U						
121-14-2	2,4-Dinitrotoluen	E625	ug/kg	41.6	210	U						
129-00-0	Pyrene	E625	ug/kg	153	56	J						
131-11-3	Dimethylphthalat	E625	ug/kg	NL	210	U						
132-64-9	Dibenzofuran	E625	ug/kg	7300	210	U						
1912-24-9	Atrazine	E625	ug/kg	6.62	210	U						
191-24-2	Benzo(g,h,i)pery	E625	ug/kg	170	29	J						
193-39-5	Indeno(1,2,3-Cd)	E625	ug/kg	17	35	J						
205-99-2	Benzo(b)fluorant	E625	ug/kg	148	74	J						
206-44-0	Fluoranthene	E625	ug/kg	113	43	J						
207-08-9	Benzo(k)fluorant	E625	ug/kg	240	23	J						

				sys_loc_code:	C121		C122		C123		C124	
				loc_name:	Area-07		Area-07		Area-07		Area-07	
				sys_sample_code:	C121 0-6		C122 0-6		C123 0-6		C124 0-6	
				depth:	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/08/2009		07/08/2009		07/08/2009		07/08/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
208-96-8	Acenaphthylene	E625	ug/kg	5.87	210	U						
218-01-9	Chrysene	E625	ug/kg	108	26	J						
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8	42	J						
51-28-5	2,4-Dinitropheno	E625	ug/kg	12200	410	U						
534-52-1	4,6-Dinitro-2-Met	E625	ug/kg	611	410	U						
53-70-3	Dibenzo(a,h)anth	E625	ug/kg	6.22	9.5	J						
56-55-3	Benzo(a)anthrac	E625	ug/kg	74.8	26	J						
58-90-2	Chlorophenols	E625	ug/kg	284	210	U						
59-50-7	4-Chloro-3-Methy	E625	ug/kg	611000	210	U						
606-20-2	2,6-Dinitrotoluen	E625	ug/kg	6120	210	U						
621-64-7	N-Nitroso-Di-N-P	E625	ug/kg	69.4	210	U						
67-72-1	Hexachloroethan	E625	ug/kg	804	210	U						
7005-72-3	4-Chlorophenyl F	E625	ug/kg	NL	210	U						
77-47-4	Hexachlorocyclo	E625	ug/kg	139	210	U						
78-59-1	Isophorone	E625	ug/kg	511000	210	U						
83-32-9	Acenaphthene	E625	ug/kg	6.71	210	U						
84-66-2	Diethylphthalate	E625	ug/kg	218	210	U						
84-74-2	Di-N-Butylphthala	E625	ug/kg	1160	210	U						
85-01-8	Phenanthrene	E625	ug/kg	86.7	19	J						
85-68-7	Butylbenzylphtha	E625	ug/kg	16800	210	U						
86-30-6	N-Nitrosodipheny	E625	ug/kg	99100	210	U						
86-73-7	Fluorene	E625	ug/kg	19	210	U						
86-74-8	Carbazole	E625	ug/kg	NL	210	U						
87-68-3	Hexachlorobutad	E625	ug/kg	6110	210	U						
87-86-5	Pentachlorophen	E625	ug/kg	2970	410	U						
88-06-2	2,4,6-Trichloroph	E625	ug/kg	2650	210	U						
88-74-4	2-Nitroaniline	E625	ug/kg	60600	410	U						
88-75-5	2-Nitrophenol	E625	ug/kg	NL	210	U						
91-20-3	Naphthalene	E625	ug/kg	34.6	7.1	J						
91-57-6	2-Methylnaphtha	E625	ug/kg	20.2	210	U						
91-58-7	2-Chloronaphtha	E625	ug/kg	175000	210	U						
91-94-1	3,3`-Dichloroben	E625	ug/kg	1080	210	U						

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				sys_loc_code:	C121		C122		C123		C124	
				loc_name:	Area-07		Area-07		Area-07		Area-07	
				sys_sample_code:	C121 0-6		C122 0-6		C123 0-6		C124 0-6	
				depth:	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/08/2009		07/08/2009		07/08/2009		07/08/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220	210	U						
95-48-7	2-Methylphenol	E625	ug/kg	306000	210	U						
95-57-8	2-Chlorophenol	E625	ug/kg	344	210	U						
95-94-3	1,2,4,5-Tetrachlo	E625	ug/kg	1830	210	U						
95-95-4	2,4,5-Trichloroph	E625	ug/kg	819	210	U						
98-86-2	Acetophenone	E625	ug/kg	782000	35	J						
98-95-3	Nitrobenzene	E625	ug/kg	4790	210	U						
99-09-2	3-Nitroaniline	E625	ug/kg	NL	410	U						

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				sys_loc_code:	C125		C126		C127		C128	
				loc_name:	Area-07		Area-07		Area-07		Area-07	
				sys_sample_code:	C125 0-6		C126 0-6		C127 0-6		C128 0-6	
				depth:	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/08/2009		07/08/2009		07/08/2009		07/08/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	C200.7	mg/kg	7740								
7440-36-0	Antimony	C200.7	mg/kg	2								
7440-38-2	Arsenic	C200.7	mg/kg	0.389								
7440-39-3	Barium	C200.7	mg/kg	130.1								
7440-41-7	Beryllium	C200.7	mg/kg	15.6								
7440-43-9	Cadmium	C200.7	mg/kg	0.68								
7440-70-2	Calcium	C200.7	mg/kg	NL								
7440-47-3	Chromium	C200.7	mg/kg	52.3								
7440-48-4	Cobalt	C200.7	mg/kg	2.34								
7440-50-8	Copper	C200.7	mg/kg	18.7								
7439-89-6	Iron	C200.7	mg/kg	2000								
7439-92-1	Lead	C200.7	mg/kg	30.2								
7439-95-4	Magnesium	C200.7	mg/kg	NL								
7439-96-5	Manganese	C200.7	mg/kg	183								
7440-02-0	Nickel	C200.7	mg/kg	15.9								
7440-09-7	Potassium	C200.7	mg/kg	NL								
7782-49-2	Selenium	C200.7	mg/kg	2								
7440-22-4	Silver	C200.7	mg/kg	0.73								
7440-23-5	Sodium	C200.7	mg/kg	NL								
7440-28-0	Thallium	C200.7	mg/kg	100000								
7440-31-5	Tin	C200.7	mg/kg	NL								
7440-62-2	Vanadium (Fume	C200.7	mg/kg	0.548								
7440-66-6	Zinc	C200.7	mg/kg	124								
7429-90-5	Aluminum	E200.7	mg/kg	7740	3390	J			4640	J		
7439-89-6	Iron	E200.7	mg/kg	2000	30200	J			13600	J		
7439-92-1	Lead	E200.7	mg/kg	30.2								
7439-95-4	Magnesium	E200.7	mg/kg	NL	1300	J			2070	J		
7439-96-5	Manganese	E200.7	mg/kg	183								
7440-09-7	Potassium	E200.7	mg/kg	NL	1130	J			1020	J		
7440-23-5	Sodium	E200.7	mg/kg	NL	2150				2690			
7440-38-2	Arsenic	E200.7	mg/kg	0.389								
7440-50-8	Copper	E200.7	mg/kg	18.7								

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Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 7 Sediment < 12

				sys_loc_code:	C125		C126		C127		C128	
				loc_name:	Area-07		Area-07		Area-07		Area-07	
				sys_sample_code:	C125 0-6		C126 0-6		C127 0-6		C128 0-6	
				depth:	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/08/2009		07/08/2009		07/08/2009		07/08/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7440-66-6	Zinc	E200.7	mg/kg	124								
7440-70-2	Calcium	E200.7	mg/kg	NL	4400				2120			
7439-92-1	Lead	E200.8	mg/kg	30.2	189	J	201		66.7	J	30.8	
7439-96-5	Manganese	E200.8	mg/kg	183	38.9		61.7		88.2		77.1	
7440-02-0	Nickel	E200.8	mg/kg	15.9	3.8	J	5.9		8	J	5.6	
7440-22-4	Silver	E200.8	mg/kg	0.73	0.32	U	0.48		0.35	U	0.34	U
7440-28-0	Thallium	E200.8	mg/kg	100000	0.64	U	0.65	U	0.7	U	0.67	U
7440-36-0	Antimony	E200.8	mg/kg	2	4	J	5.2		1.4	J	1.3	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389	6.5	J	10.2		8	J	6	
7440-39-3	Barium	E200.8	mg/kg	130.1	8.1	J	9.8	J	21.9	J	10.3	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.22	J	0.35		0.36		0.29	J
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.31	J	0.49		0.39	J	0.23	J
7440-47-3	Chromium	E200.8	mg/kg	52.3	9.9		16.9		14.7		12.3	
7440-48-4	Cobalt	E200.8	mg/kg	2.34	1.3		2		3		2.6	
7440-50-8	Copper	E200.8	mg/kg	18.7	20.6		28.7		19.7		14	
7440-62-2	Vanadium (Fume	E200.8	mg/kg	0.548	21.3	J	21.1	J	22.2	J	20.4	
7440-66-6	Zinc	E200.8	mg/kg	124	54.9		13.6	R	75.7		54.5	
7782-49-2	Selenium	E200.8	mg/kg	2	0.42	J	0.62	J	0.43	J	0.35	J
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.18		2.5		0.15		0.15	J
1024-57-3	Heptachlor Epox	CPEST	ug/kg	0.6								
1031-07-8	Endosulfan Sulfa	CPEST	ug/kg	0.357								
309-00-2	Aldrin	CPEST	ug/kg	2								
319-84-6	Alpha-Bhc	CPEST	ug/kg	3								
319-85-7	Beta-Bhc	CPEST	ug/kg	3								
319-86-8	Delta-Bhc	CPEST	ug/kg	3								
33213-65-9	Endosulfan II	CPEST	ug/kg	14								
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19								
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7								
5103-74-2	Gamma-Chlorda	CPEST	ug/kg	7								
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL								
58-89-9	Gamma-Bhc (Lin	CPEST	ug/kg	0.32								
60-57-1	Dieldrin	CPEST	ug/kg	0.72								

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				sys_loc_code:	C125		C126		C127		C128	
				loc_name:	Area-07		Area-07		Area-07		Area-07	
				sys_sample_code:	C125 0-6		C126 0-6		C127 0-6		C128 0-6	
				depth:	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/08/2009		07/08/2009		07/08/2009		07/08/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
72-20-8	Endrin	CPEST	ug/kg	2.67								
72-43-5	Methoxychlor	CPEST	ug/kg	29.6								
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22								
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07								
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL								
76-44-8	Heptachlor	CPEST	ug/kg	68								
8001-35-2	Chlorinated Cam	CPEST	ug/kg	0.1								
959-98-8	Endosulfan I	CPEST	ug/kg	2.9								
11096-82-5	Aroclor 1260	E608	ug/kg	21.6								
11097-69-1	Aroclor 1254	E608	ug/kg	23								
11100-14-4	Aroclor 1268	E608	ug/kg	21.6								
11104-28-2	Aroclor 1221	E608	ug/kg	21.6								
11141-16-5	Aroclor 1232	E608	ug/kg	21.6								
12672-29-6	Aroclor 1248	E608	ug/kg	21.6								
12674-11-2	Aroclor 1016	E608	ug/kg	21.6								
37324-23-5	Aroclor 1262	E608	ug/kg	21.6								
53469-21-9	Aroclor 1242	E608	ug/kg	21.6								
100-41-4	Ethylbenzene	E624	ug/kg	305								
100-42-5	Styrene	E624	ug/kg	7070								
10061-01-5	cis-1,3-Dichlorop	E624	ug/kg	NL								
10061-02-6	trans-1,3-Dichlor	E624	ug/kg	NL								
106-46-7	1,4-Dichlorobenz	E624	ug/kg	460								
106-93-4	1,2-Dibromoetha	E624	ug/kg	33.7								
107-06-2	1,2-Dichloroethar	E624	ug/kg	432								
108-10-1	4-Methyl-2-Penta	E624	ug/kg	532000								
108-87-2	Methylcyclohexa	E624	ug/kg	NL								
108-88-3	Toluene	E624	ug/kg	1090								
108-90-7	Chlorobenzene	E624	ug/kg	162								
110-82-7	Cyclohexane	E624	ug/kg	117000								
120-82-1	1,2,4-Trichlorobe	E624	ug/kg	473								
123-91-1	1,4-Dioxane	E624	ug/kg	44100								
124-48-1	Dibromochlorom	E624	ug/kg	680								

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				sys_loc_code:	C125		C126		C127		C128	
				loc_name:	Area-07		Area-07		Area-07		Area-07	
				sys_sample_code:	C125 0-6		C126 0-6		C127 0-6		C128 0-6	
				depth:	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/08/2009		07/08/2009		07/08/2009		07/08/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
127-18-4	Tetrachloroethen	E624	ug/kg	190								
156-59-2	cis-1,2-Dichloroe	E624	ug/kg	78200								
156-60-5	trans-1,2-Dichlor	E624	ug/kg	15300								
1634-04-4	Methyl tert-Butyl	E624	ug/kg	43300								
179601-23-1	m,p-Xylene	E624	ug/kg	NL								
541-73-1	1,3-Dichlorobenz	E624	ug/kg	842								
56-23-5	Carbon tetrachlo	E624	ug/kg	248								
591-78-6	2-Hexanone	E624	ug/kg	20900								
67-64-1	Acetone	E624	ug/kg	6130000								
67-66-3	Chloroform	E624	ug/kg	295								
71-43-2	Benzene	E624	ug/kg	137								
71-55-6	1,1,1-Trichloroetl	E624	ug/kg	856								
74-83-9	Bromomethane	E624	ug/kg	732								
74-87-3	Chloromethane	E624	ug/kg	11900								
74-97-5	Bromochlorometl	E624	ug/kg	NL								
75-00-3	Chloroethane	E624	ug/kg	1450000								
75-01-4	Vinyl Chloride	E624	ug/kg	59.7								
75-09-2	Methylene chlori	E624	ug/kg	10700								
75-15-0	Carbon Disulfide	E624	ug/kg	0.851								
75-25-2	Bromoform	E624	ug/kg	1310								
75-27-4	Bromodichlorom	E624	ug/kg	273								
75-34-3	1,1-Dichloroetha	E624	ug/kg	3310								
75-35-4	1,1-Dichloroethe	E624	ug/kg	2780								
75-69-4	Trichlorofluorom	E624	ug/kg	78700								
75-71-8	Dichlorodifluoron	E624	ug/kg	18400								
76-13-1	1,1,2-Trichloro-1	E624	ug/kg	910000								
78-87-5	1,2-Dichloroprop	E624	ug/kg	895								
78-93-3	2-Butanone	E624	ug/kg	2780000								
79-00-5	1,1,2-Trichloroetl	E624	ug/kg	570								
79-01-6	Trichloroethene	E624	ug/kg	1600								
79-20-9	Methyl Acetate	E624	ug/kg	7820000								
79-34-5	1,1,2,2-Tetrachlo	E624	ug/kg	202								

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				sys_loc_code:	C125		C126		C127		C128	
				loc_name:	Area-07		Area-07		Area-07		Area-07	
				sys_sample_code:	C125 0-6		C126 0-6		C127 0-6		C128 0-6	
				depth:	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/08/2009		07/08/2009		07/08/2009		07/08/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
87-61-6	1,2,3-Trichlorobe	E624	ug/kg	858								
95-47-6	o-Xylene	E624	ug/kg	NL								
95-50-1	1,2-Dichlorobenz	E624	ug/kg	989								
96-12-8	1,2-Dibromo-3-cl	E624	ug/kg	5.35								
98-82-8	Isopropylbenzen	E624	ug/kg	86								
100-01-6	4-Nitroaniline	E625	ug/kg	24300								
100-02-7	4-Nitrophenol	E625	ug/kg	NL								
100-52-7	Benzaldehyde	E625	ug/kg	782000								
101-55-3	4-Bromophenyl P	E625	ug/kg	1230								
105-60-2	Caprolactam	E625	ug/kg	3060000								
105-67-9	2,4-Dimethylpher	E625	ug/kg	29								
106-44-5	4-Methylphenol	E625	ug/kg	670								
106-47-8	4-Chloroaniline	E625	ug/kg	2430								
108-60-1	Bis-Chloroisopro	E625	ug/kg	4570								
108-95-2	Phenol	E625	ug/kg	420								
111-44-4	Bis(2-Chloroethy	E625	ug/kg	214								
111-91-1	Bis(2-Chloroetho	E625	ug/kg	18300								
117-81-7	Bis(2-Ethylhexyl)	E625	ug/kg	182								
117-84-0	Di-N-Octyl Phtha	E625	ug/kg	NL								
118-74-1	Hexachlorobenze	E625	ug/kg	20								
120-12-7	Anthracene	E625	ug/kg	46.9								
120-83-2	2,4-Dichlorophen	E625	ug/kg	117								
121-14-2	2,4-Dinitrotoluen	E625	ug/kg	41.6								
129-00-0	Pyrene	E625	ug/kg	153								
131-11-3	Dimethylphthalat	E625	ug/kg	NL								
132-64-9	Dibenzofuran	E625	ug/kg	7300								
1912-24-9	Atrazine	E625	ug/kg	6.62								
191-24-2	Benzo(g,h,i)peryl	E625	ug/kg	170								
193-39-5	Indeno(1,2,3-Cd)	E625	ug/kg	17								
205-99-2	Benzo(b)fluorant	E625	ug/kg	148								
206-44-0	Fluoranthene	E625	ug/kg	113								
207-08-9	Benzo(k)fluorant	E625	ug/kg	240								

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				sys_loc_code:	C125		C126		C127		C128	
				loc_name:	Area-07		Area-07		Area-07		Area-07	
				sys_sample_code:	C125 0-6		C126 0-6		C127 0-6		C128 0-6	
				depth:	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/08/2009		07/08/2009		07/08/2009		07/08/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
208-96-8	Acenaphthylene	E625	ug/kg	5.87								
218-01-9	Chrysene	E625	ug/kg	108								
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8								
51-28-5	2,4-Dinitropheno	E625	ug/kg	12200								
534-52-1	4,6-Dinitro-2-Met	E625	ug/kg	611								
53-70-3	Dibenzo(a,h)anth	E625	ug/kg	6.22								
56-55-3	Benzo(a)anthrac	E625	ug/kg	74.8								
58-90-2	Chlorophenols	E625	ug/kg	284								
59-50-7	4-Chloro-3-Methy	E625	ug/kg	611000								
606-20-2	2,6-Dinitrotoluen	E625	ug/kg	6120								
621-64-7	N-Nitroso-Di-N-P	E625	ug/kg	69.4								
67-72-1	Hexachloroethan	E625	ug/kg	804								
7005-72-3	4-Chlorophenyl F	E625	ug/kg	NL								
77-47-4	Hexachlorocyclo	E625	ug/kg	139								
78-59-1	Isophorone	E625	ug/kg	511000								
83-32-9	Acenaphthene	E625	ug/kg	6.71								
84-66-2	Diethylphthalate	E625	ug/kg	218								
84-74-2	Di-N-Butylphthal	E625	ug/kg	1160								
85-01-8	Phenanthrene	E625	ug/kg	86.7								
85-68-7	Butylbenzylphtha	E625	ug/kg	16800								
86-30-6	N-Nitrosodipheny	E625	ug/kg	99100								
86-73-7	Fluorene	E625	ug/kg	19								
86-74-8	Carbazole	E625	ug/kg	NL								
87-68-3	Hexachlorobutad	E625	ug/kg	6110								
87-86-5	Pentachlorophen	E625	ug/kg	2970								
88-06-2	2,4,6-Trichloroph	E625	ug/kg	2650								
88-74-4	2-Nitroaniline	E625	ug/kg	60600								
88-75-5	2-Nitrophenol	E625	ug/kg	NL								
91-20-3	Naphthalene	E625	ug/kg	34.6								
91-57-6	2-Methylnaphtha	E625	ug/kg	20.2								
91-58-7	2-Chloronaphtha	E625	ug/kg	175000								
91-94-1	3,3`-Dichloroben	E625	ug/kg	1080								

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				sys_loc_code:	C125		C126		C127		C128	
				loc_name:	Area-07		Area-07		Area-07		Area-07	
				sys_sample_code:	C125 0-6		C126 0-6		C127 0-6		C128 0-6	
				depth:	0-6 in		0-6 in		0-6 in		0-6 in	
				sample_date:	07/08/2009		07/08/2009		07/08/2009		07/08/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220								
95-48-7	2-Methylphenol	E625	ug/kg	306000								
95-57-8	2-Chlorophenol	E625	ug/kg	344								
95-94-3	1,2,4,5-Tetrachlo	E625	ug/kg	1830								
95-95-4	2,4,5-Trichloroph	E625	ug/kg	819								
98-86-2	Acetophenone	E625	ug/kg	782000								
98-95-3	Nitrobenzene	E625	ug/kg	4790								
99-09-2	3-Nitroaniline	E625	ug/kg	NL								

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				sys_loc_code:	C129		C130		C131		B57	
				loc_name:	Area-07		Area-07		Area-07		Area-07	
				sys_sample_code:	C129 0-6		C130 0-6		C131 0-6		B57 0-12	
				depth:	0-6 in		0-6 in		0-6 in		0-12 in	
				sample_date:	07/08/2009		07/08/2009		07/08/2009		07/08/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	C200.7	mg/kg	7740								
7440-36-0	Antimony	C200.7	mg/kg	2								
7440-38-2	Arsenic	C200.7	mg/kg	0.389								
7440-39-3	Barium	C200.7	mg/kg	130.1								
7440-41-7	Beryllium	C200.7	mg/kg	15.6								
7440-43-9	Cadmium	C200.7	mg/kg	0.68								
7440-70-2	Calcium	C200.7	mg/kg	NL								
7440-47-3	Chromium	C200.7	mg/kg	52.3								
7440-48-4	Cobalt	C200.7	mg/kg	2.34								
7440-50-8	Copper	C200.7	mg/kg	18.7								
7439-89-6	Iron	C200.7	mg/kg	2000								
7439-92-1	Lead	C200.7	mg/kg	30.2								
7439-95-4	Magnesium	C200.7	mg/kg	NL								
7439-96-5	Manganese	C200.7	mg/kg	183								
7440-02-0	Nickel	C200.7	mg/kg	15.9								
7440-09-7	Potassium	C200.7	mg/kg	NL								
7782-49-2	Selenium	C200.7	mg/kg	2								
7440-22-4	Silver	C200.7	mg/kg	0.73								
7440-23-5	Sodium	C200.7	mg/kg	NL								
7440-28-0	Thallium	C200.7	mg/kg	100000								
7440-31-5	Tin	C200.7	mg/kg	NL								
7440-62-2	Vanadium (Fume	C200.7	mg/kg	0.548								
7440-66-6	Zinc	C200.7	mg/kg	124								
7429-90-5	Aluminum	E200.7	mg/kg	7740							736	
7439-89-6	Iron	E200.7	mg/kg	2000							4920	
7439-92-1	Lead	E200.7	mg/kg	30.2								
7439-95-4	Magnesium	E200.7	mg/kg	NL							457	
7439-96-5	Manganese	E200.7	mg/kg	183								
7440-09-7	Potassium	E200.7	mg/kg	NL							206	J
7440-23-5	Sodium	E200.7	mg/kg	NL							436	U
7440-38-2	Arsenic	E200.7	mg/kg	0.389								
7440-50-8	Copper	E200.7	mg/kg	18.7								

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Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 7 Sediment < 12

				sys_loc_code:	C129		C130		C131		B57	
				loc_name:	Area-07		Area-07		Area-07		Area-07	
				sys_sample_code:	C129 0-6		C130 0-6		C131 0-6		B57 0-12	
				depth:	0-6 in		0-6 in		0-6 in		0-12 in	
				sample_date:	07/08/2009		07/08/2009		07/08/2009		07/08/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7440-66-6	Zinc	E200.7	mg/kg	124								
7440-70-2	Calcium	E200.7	mg/kg	NL							1950	
7439-92-1	Lead	E200.8	mg/kg	30.2	89.1		82.6		104		1.7	J
7439-96-5	Manganese	E200.8	mg/kg	183	115		42.1		71.9		29.9	J
7440-02-0	Nickel	E200.8	mg/kg	15.9	7.9		5.2		8.8		1.8	J
7440-22-4	Silver	E200.8	mg/kg	0.73	0.35	U	0.49		1		0.2	UJ
7440-28-0	Thallium	E200.8	mg/kg	100000	0.7	U	0.64	U	0.72	U	0.4	U
7440-36-0	Antimony	E200.8	mg/kg	2	2.2		1.8		2.1		0.79	UJ
7440-38-2	Arsenic	E200.8	mg/kg	0.389	7.2		6.6		14.2		1.2	
7440-39-3	Barium	E200.8	mg/kg	130.1	11.7	J	8.6	J	18	J	1	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.35		0.21	J	0.32	J	0.11	J
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.24	J	0.44		0.71		0.022	J
7440-47-3	Chromium	E200.8	mg/kg	52.3	14.7		13.8		23.8		3.3	J
7440-48-4	Cobalt	E200.8	mg/kg	2.34	3.2		1.9		2.9		0.95	
7440-50-8	Copper	E200.8	mg/kg	18.7	18.1		33.9		76.6		1.7	J
7440-62-2	Vanadium (Fume	E200.8	mg/kg	0.548	21		14.2		19		5.1	J
7440-66-6	Zinc	E200.8	mg/kg	124	54.3		74.5		113		11.5	J
7782-49-2	Selenium	E200.8	mg/kg	2	0.39	J	0.4	J	0.9		0.098	J
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.12	J	0.32	J	0.82	J	0.032	U
1024-57-3	Heptachlor Epox	CPEST	ug/kg	0.6								
1031-07-8	Endosulfan Sulfa	CPEST	ug/kg	0.357								
309-00-2	Aldrin	CPEST	ug/kg	2								
319-84-6	Alpha-Bhc	CPEST	ug/kg	3								
319-85-7	Beta-Bhc	CPEST	ug/kg	3								
319-86-8	Delta-Bhc	CPEST	ug/kg	3								
33213-65-9	Endosulfan II	CPEST	ug/kg	14								
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19								
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7								
5103-74-2	Gamma-Chlorda	CPEST	ug/kg	7								
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL								
58-89-9	Gamma-Bhc (Lin	CPEST	ug/kg	0.32								
60-57-1	Dieldrin	CPEST	ug/kg	0.72								

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				sys_loc_code:	C129		C130		C131		B57	
				loc_name:	Area-07		Area-07		Area-07		Area-07	
				sys_sample_code:	C129 0-6		C130 0-6		C131 0-6		B57 0-12	
				depth:	0-6 in		0-6 in		0-6 in		0-12 in	
				sample_date:	07/08/2009		07/08/2009		07/08/2009		07/08/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
72-20-8	Endrin	CPEST	ug/kg	2.67								
72-43-5	Methoxychlor	CPEST	ug/kg	29.6								
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22								
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07								
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL								
76-44-8	Heptachlor	CPEST	ug/kg	68								
8001-35-2	Chlorinated Cam	CPEST	ug/kg	0.1								
959-98-8	Endosulfan I	CPEST	ug/kg	2.9								
11096-82-5	Aroclor 1260	E608	ug/kg	21.6								
11097-69-1	Aroclor 1254	E608	ug/kg	23								
11100-14-4	Aroclor 1268	E608	ug/kg	21.6								
11104-28-2	Aroclor 1221	E608	ug/kg	21.6								
11141-16-5	Aroclor 1232	E608	ug/kg	21.6								
12672-29-6	Aroclor 1248	E608	ug/kg	21.6								
12674-11-2	Aroclor 1016	E608	ug/kg	21.6								
37324-23-5	Aroclor 1262	E608	ug/kg	21.6								
53469-21-9	Aroclor 1242	E608	ug/kg	21.6								
100-41-4	Ethylbenzene	E624	ug/kg	305								
100-42-5	Styrene	E624	ug/kg	7070								
10061-01-5	cis-1,3-Dichlorop	E624	ug/kg	NL								
10061-02-6	trans-1,3-Dichlor	E624	ug/kg	NL								
106-46-7	1,4-Dichlorobenz	E624	ug/kg	460								
106-93-4	1,2-Dibromoetha	E624	ug/kg	33.7								
107-06-2	1,2-Dichloroethar	E624	ug/kg	432								
108-10-1	4-Methyl-2-Penta	E624	ug/kg	532000								
108-87-2	Methylcyclohexa	E624	ug/kg	NL								
108-88-3	Toluene	E624	ug/kg	1090								
108-90-7	Chlorobenzene	E624	ug/kg	162								
110-82-7	Cyclohexane	E624	ug/kg	117000								
120-82-1	1,2,4-Trichlorobe	E624	ug/kg	473								
123-91-1	1,4-Dioxane	E624	ug/kg	44100								
124-48-1	Dibromochlorom	E624	ug/kg	680								

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				sys_loc_code:	C129		C130		C131		B57	
				loc_name:	Area-07		Area-07		Area-07		Area-07	
				sys_sample_code:	C129 0-6		C130 0-6		C131 0-6		B57 0-12	
				depth:	0-6 in		0-6 in		0-6 in		0-12 in	
				sample_date:	07/08/2009		07/08/2009		07/08/2009		07/08/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
127-18-4	Tetrachloroethen	E624	ug/kg	190								
156-59-2	cis-1,2-Dichloroe	E624	ug/kg	78200								
156-60-5	trans-1,2-Dichlor	E624	ug/kg	15300								
1634-04-4	Methyl tert-Butyl	E624	ug/kg	43300								
179601-23-1	m,p-Xylene	E624	ug/kg	NL								
541-73-1	1,3-Dichlorobenz	E624	ug/kg	842								
56-23-5	Carbon tetrachlo	E624	ug/kg	248								
591-78-6	2-Hexanone	E624	ug/kg	20900								
67-64-1	Acetone	E624	ug/kg	6130000								
67-66-3	Chloroform	E624	ug/kg	295								
71-43-2	Benzene	E624	ug/kg	137								
71-55-6	1,1,1-Trichloroetl	E624	ug/kg	856								
74-83-9	Bromomethane	E624	ug/kg	732								
74-87-3	Chloromethane	E624	ug/kg	11900								
74-97-5	Bromochlorometl	E624	ug/kg	NL								
75-00-3	Chloroethane	E624	ug/kg	1450000								
75-01-4	Vinyl Chloride	E624	ug/kg	59.7								
75-09-2	Methylene chlori	E624	ug/kg	10700								
75-15-0	Carbon Disulfide	E624	ug/kg	0.851								
75-25-2	Bromoform	E624	ug/kg	1310								
75-27-4	Bromodichlorom	E624	ug/kg	273								
75-34-3	1,1-Dichloroetha	E624	ug/kg	3310								
75-35-4	1,1-Dichloroethe	E624	ug/kg	2780								
75-69-4	Trichlorofluorom	E624	ug/kg	78700								
75-71-8	Dichlorodifluoron	E624	ug/kg	18400								
76-13-1	1,1,2-Trichloro-1	E624	ug/kg	910000								
78-87-5	1,2-Dichloroprop	E624	ug/kg	895								
78-93-3	2-Butanone	E624	ug/kg	2780000								
79-00-5	1,1,2-Trichloroetl	E624	ug/kg	570								
79-01-6	Trichloroethene	E624	ug/kg	1600								
79-20-9	Methyl Acetate	E624	ug/kg	7820000								
79-34-5	1,1,2,2-Tetrachlo	E624	ug/kg	202								

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				sys_loc_code:	C129		C130		C131		B57	
				loc_name:	Area-07		Area-07		Area-07		Area-07	
				sys_sample_code:	C129 0-6		C130 0-6		C131 0-6		B57 0-12	
				depth:	0-6 in		0-6 in		0-6 in		0-12 in	
				sample_date:	07/08/2009		07/08/2009		07/08/2009		07/08/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
87-61-6	1,2,3-Trichlorobe	E624	ug/kg	858								
95-47-6	o-Xylene	E624	ug/kg	NL								
95-50-1	1,2-Dichlorobenz	E624	ug/kg	989								
96-12-8	1,2-Dibromo-3-cl	E624	ug/kg	5.35								
98-82-8	Isopropylbenzen	E624	ug/kg	86								
100-01-6	4-Nitroaniline	E625	ug/kg	24300								
100-02-7	4-Nitrophenol	E625	ug/kg	NL								
100-52-7	Benzaldehyde	E625	ug/kg	782000								
101-55-3	4-Bromophenyl P	E625	ug/kg	1230								
105-60-2	Caprolactam	E625	ug/kg	3060000								
105-67-9	2,4-Dimethylpher	E625	ug/kg	29								
106-44-5	4-Methylphenol	E625	ug/kg	670								
106-47-8	4-Chloroaniline	E625	ug/kg	2430								
108-60-1	Bis-Chloroisopro	E625	ug/kg	4570								
108-95-2	Phenol	E625	ug/kg	420								
111-44-4	Bis(2-Chloroethy	E625	ug/kg	214								
111-91-1	Bis(2-Chloroetho	E625	ug/kg	18300								
117-81-7	Bis(2-Ethylhexyl)	E625	ug/kg	182								
117-84-0	Di-N-Octyl Phtha	E625	ug/kg	NL								
118-74-1	Hexachlorobenze	E625	ug/kg	20								
120-12-7	Anthracene	E625	ug/kg	46.9								
120-83-2	2,4-Dichlorophen	E625	ug/kg	117								
121-14-2	2,4-Dinitrotoluen	E625	ug/kg	41.6								
129-00-0	Pyrene	E625	ug/kg	153								
131-11-3	Dimethylphthalat	E625	ug/kg	NL								
132-64-9	Dibenzofuran	E625	ug/kg	7300								
1912-24-9	Atrazine	E625	ug/kg	6.62								
191-24-2	Benzo(g,h,i)peryl	E625	ug/kg	170								
193-39-5	Indeno(1,2,3-Cd)	E625	ug/kg	17								
205-99-2	Benzo(b)fluorant	E625	ug/kg	148								
206-44-0	Fluoranthene	E625	ug/kg	113								
207-08-9	Benzo(k)fluorant	E625	ug/kg	240								

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				sys_loc_code:	C129		C130		C131		B57	
				loc_name:	Area-07		Area-07		Area-07		Area-07	
				sys_sample_code:	C129 0-6		C130 0-6		C131 0-6		B57 0-12	
				depth:	0-6 in		0-6 in		0-6 in		0-12 in	
				sample_date:	07/08/2009		07/08/2009		07/08/2009		07/08/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
208-96-8	Acenaphthylene	E625	ug/kg	5.87								
218-01-9	Chrysene	E625	ug/kg	108								
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8								
51-28-5	2,4-Dinitropheno	E625	ug/kg	12200								
534-52-1	4,6-Dinitro-2-Met	E625	ug/kg	611								
53-70-3	Dibenzo(a,h)anth	E625	ug/kg	6.22								
56-55-3	Benzo(a)anthrac	E625	ug/kg	74.8								
58-90-2	Chlorophenols	E625	ug/kg	284								
59-50-7	4-Chloro-3-Methy	E625	ug/kg	611000								
606-20-2	2,6-Dinitrotoluen	E625	ug/kg	6120								
621-64-7	N-Nitroso-Di-N-P	E625	ug/kg	69.4								
67-72-1	Hexachloroethan	E625	ug/kg	804								
7005-72-3	4-Chlorophenyl F	E625	ug/kg	NL								
77-47-4	Hexachlorocyclo	E625	ug/kg	139								
78-59-1	Isophorone	E625	ug/kg	511000								
83-32-9	Acenaphthene	E625	ug/kg	6.71								
84-66-2	Diethylphthalate	E625	ug/kg	218								
84-74-2	Di-N-Butylphthala	E625	ug/kg	1160								
85-01-8	Phenanthrene	E625	ug/kg	86.7								
85-68-7	Butylbenzylphtha	E625	ug/kg	16800								
86-30-6	N-Nitrosodipheny	E625	ug/kg	99100								
86-73-7	Fluorene	E625	ug/kg	19								
86-74-8	Carbazole	E625	ug/kg	NL								
87-68-3	Hexachlorobutad	E625	ug/kg	6110								
87-86-5	Pentachlorophen	E625	ug/kg	2970								
88-06-2	2,4,6-Trichloroph	E625	ug/kg	2650								
88-74-4	2-Nitroaniline	E625	ug/kg	60600								
88-75-5	2-Nitrophenol	E625	ug/kg	NL								
91-20-3	Naphthalene	E625	ug/kg	34.6								
91-57-6	2-Methylnaphtha	E625	ug/kg	20.2								
91-58-7	2-Chloronaphtha	E625	ug/kg	175000								
91-94-1	3,3`-Dichloroben	E625	ug/kg	1080								

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				sys_loc_code:	C129		C130		C131		B57	
				loc_name:	Area-07		Area-07		Area-07		Area-07	
				sys_sample_code:	C129 0-6		C130 0-6		C131 0-6		B57 0-12	
				depth:	0-6 in		0-6 in		0-6 in		0-12 in	
				sample_date:	07/08/2009		07/08/2009		07/08/2009		07/08/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220								
95-48-7	2-Methylphenol	E625	ug/kg	306000								
95-57-8	2-Chlorophenol	E625	ug/kg	344								
95-94-3	1,2,4,5-Tetrachlo	E625	ug/kg	1830								
95-95-4	2,4,5-Trichloroph	E625	ug/kg	819								
98-86-2	Acetophenone	E625	ug/kg	782000								
98-95-3	Nitrobenzene	E625	ug/kg	4790								
99-09-2	3-Nitroaniline	E625	ug/kg	NL								

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				sys_loc_code:	B64		C106		C110		C113	
				loc_name:	Area-07		Area-07		Area-07		Area-07	
				sys_sample_code:	B64 0-12		C106 0-12		C110 0-12		C113 0-12	
				depth:	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/27/2009		07/08/2009		07/08/2009		07/09/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	C200.7	mg/kg	7740								
7440-36-0	Antimony	C200.7	mg/kg	2								
7440-38-2	Arsenic	C200.7	mg/kg	0.389								
7440-39-3	Barium	C200.7	mg/kg	130.1								
7440-41-7	Beryllium	C200.7	mg/kg	15.6								
7440-43-9	Cadmium	C200.7	mg/kg	0.68								
7440-70-2	Calcium	C200.7	mg/kg	NL								
7440-47-3	Chromium	C200.7	mg/kg	52.3								
7440-48-4	Cobalt	C200.7	mg/kg	2.34								
7440-50-8	Copper	C200.7	mg/kg	18.7								
7439-89-6	Iron	C200.7	mg/kg	2000								
7439-92-1	Lead	C200.7	mg/kg	30.2								
7439-95-4	Magnesium	C200.7	mg/kg	NL								
7439-96-5	Manganese	C200.7	mg/kg	183								
7440-02-0	Nickel	C200.7	mg/kg	15.9								
7440-09-7	Potassium	C200.7	mg/kg	NL								
7782-49-2	Selenium	C200.7	mg/kg	2								
7440-22-4	Silver	C200.7	mg/kg	0.73								
7440-23-5	Sodium	C200.7	mg/kg	NL								
7440-28-0	Thallium	C200.7	mg/kg	100000								
7440-31-5	Tin	C200.7	mg/kg	NL								
7440-62-2	Vanadium (Fume	C200.7	mg/kg	0.548								
7440-66-6	Zinc	C200.7	mg/kg	124								
7429-90-5	Aluminum	E200.7	mg/kg	7740			9650	J	1610		1890	
7439-89-6	Iron	E200.7	mg/kg	2000			27700	J	21300	J	36600	
7439-92-1	Lead	E200.7	mg/kg	30.2								
7439-95-4	Magnesium	E200.7	mg/kg	NL			4870	J	724		838	
7439-96-5	Manganese	E200.7	mg/kg	183								
7440-09-7	Potassium	E200.7	mg/kg	NL			2050	J	288	J	263	J
7440-23-5	Sodium	E200.7	mg/kg	NL			8340	J	1500		1540	
7440-38-2	Arsenic	E200.7	mg/kg	0.389								
7440-50-8	Copper	E200.7	mg/kg	18.7								

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				sys_loc_code:	B64		C106		C110		C113	
				loc_name:	Area-07		Area-07		Area-07		Area-07	
				sys_sample_code:	B64 0-12		C106 0-12		C110 0-12		C113 0-12	
				depth:	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/27/2009		07/08/2009		07/08/2009		07/09/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7440-66-6	Zinc	E200.7	mg/kg	124								
7440-70-2	Calcium	E200.7	mg/kg	NL			4010	J	4550	J	2910	
7439-92-1	Lead	E200.8	mg/kg	30.2	17.6	J	215	J	9.3		14.3	J
7439-96-5	Manganese	E200.8	mg/kg	183	36.9	J	198	J	41.2	J	42.3	J
7440-02-0	Nickel	E200.8	mg/kg	15.9	1.7	J	23.7	J	3.2		2.3	J
7440-22-4	Silver	E200.8	mg/kg	0.73	0.28	UJ	3	J	0.31	U	0.29	UJ
7440-28-0	Thallium	E200.8	mg/kg	100000	0.56	U	1.1	UJ	0.62	U	0.57	U
7440-36-0	Antimony	E200.8	mg/kg	2	1.1	U	3.5	J	1.2	U	1.1	UJ
7440-38-2	Arsenic	E200.8	mg/kg	0.389	2.4	J	44.3	J	6.5	J	3.1	
7440-39-3	Barium	E200.8	mg/kg	130.1	4.5	J	62.2	J	1.3	J	2	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.14	J	0.86	J	0.21	J	0.33	J
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.064	J	1.9	J	0.061	J	0.29	U
7440-47-3	Chromium	E200.8	mg/kg	52.3	5.2	J	78.9	J	5.9	J	9.4	J
7440-48-4	Cobalt	E200.8	mg/kg	2.34	0.97	J	6.3	J	1.2		1.1	
7440-50-8	Copper	E200.8	mg/kg	18.7	4.9	J	327	J	4.2	J	8.3	J
7440-62-2	Vanadium (Fume	E200.8	mg/kg	0.548	10.1	J	42	J	16.8	J	17	J
7440-66-6	Zinc	E200.8	mg/kg	124	23.1	J	236	J	17.4	J	29.3	J
7782-49-2	Selenium	E200.8	mg/kg	2	0.56	U	2.7	J	0.62	U	0.17	J
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.031	J	2.5	J	0.046	J	0.036	U
1024-57-3	Heptachlor Epox	CPEST	ug/kg	0.6								
1031-07-8	Endosulfan Sulfa	CPEST	ug/kg	0.357								
309-00-2	Aldrin	CPEST	ug/kg	2								
319-84-6	Alpha-Bhc	CPEST	ug/kg	3								
319-85-7	Beta-Bhc	CPEST	ug/kg	3								
319-86-8	Delta-Bhc	CPEST	ug/kg	3								
33213-65-9	Endosulfan II	CPEST	ug/kg	14								
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19								
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7								
5103-74-2	Gamma-Chlorda	CPEST	ug/kg	7								
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL								
58-89-9	Gamma-Bhc (Lin	CPEST	ug/kg	0.32								
60-57-1	Dieldrin	CPEST	ug/kg	0.72								

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				sys_loc_code:	B64		C106		C110		C113	
				loc_name:	Area-07		Area-07		Area-07		Area-07	
				sys_sample_code:	B64 0-12		C106 0-12		C110 0-12		C113 0-12	
				depth:	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/27/2009		07/08/2009		07/08/2009		07/09/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
72-20-8	Endrin	CPEST	ug/kg	2.67								
72-43-5	Methoxychlor	CPEST	ug/kg	29.6								
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22								
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07								
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL								
76-44-8	Heptachlor	CPEST	ug/kg	68								
8001-35-2	Chlorinated Cam	CPEST	ug/kg	0.1								
959-98-8	Endosulfan I	CPEST	ug/kg	2.9								
11096-82-5	Aroclor 1260	E608	ug/kg	21.6								
11097-69-1	Aroclor 1254	E608	ug/kg	23								
11100-14-4	Aroclor 1268	E608	ug/kg	21.6								
11104-28-2	Aroclor 1221	E608	ug/kg	21.6								
11141-16-5	Aroclor 1232	E608	ug/kg	21.6								
12672-29-6	Aroclor 1248	E608	ug/kg	21.6								
12674-11-2	Aroclor 1016	E608	ug/kg	21.6								
37324-23-5	Aroclor 1262	E608	ug/kg	21.6								
53469-21-9	Aroclor 1242	E608	ug/kg	21.6								
100-41-4	Ethylbenzene	E624	ug/kg	305								
100-42-5	Styrene	E624	ug/kg	7070								
10061-01-5	cis-1,3-Dichlorop	E624	ug/kg	NL								
10061-02-6	trans-1,3-Dichlor	E624	ug/kg	NL								
106-46-7	1,4-Dichlorobenz	E624	ug/kg	460								
106-93-4	1,2-Dibromoetha	E624	ug/kg	33.7								
107-06-2	1,2-Dichloroethar	E624	ug/kg	432								
108-10-1	4-Methyl-2-Penta	E624	ug/kg	532000								
108-87-2	Methylcyclohexa	E624	ug/kg	NL								
108-88-3	Toluene	E624	ug/kg	1090								
108-90-7	Chlorobenzene	E624	ug/kg	162								
110-82-7	Cyclohexane	E624	ug/kg	117000								
120-82-1	1,2,4-Trichlorobe	E624	ug/kg	473								
123-91-1	1,4-Dioxane	E624	ug/kg	44100								
124-48-1	Dibromochlorom	E624	ug/kg	680								

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				sys_loc_code:	B64		C106		C110		C113	
				loc_name:	Area-07		Area-07		Area-07		Area-07	
				sys_sample_code:	B64 0-12		C106 0-12		C110 0-12		C113 0-12	
				depth:	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/27/2009		07/08/2009		07/08/2009		07/09/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
127-18-4	Tetrachloroethen	E624	ug/kg	190								
156-59-2	cis-1,2-Dichloroe	E624	ug/kg	78200								
156-60-5	trans-1,2-Dichlor	E624	ug/kg	15300								
1634-04-4	Methyl tert-Butyl	E624	ug/kg	43300								
179601-23-1	m,p-Xylene	E624	ug/kg	NL								
541-73-1	1,3-Dichlorobenz	E624	ug/kg	842								
56-23-5	Carbon tetrachlo	E624	ug/kg	248								
591-78-6	2-Hexanone	E624	ug/kg	20900								
67-64-1	Acetone	E624	ug/kg	6130000								
67-66-3	Chloroform	E624	ug/kg	295								
71-43-2	Benzene	E624	ug/kg	137								
71-55-6	1,1,1-Trichloroetl	E624	ug/kg	856								
74-83-9	Bromomethane	E624	ug/kg	732								
74-87-3	Chloromethane	E624	ug/kg	11900								
74-97-5	Bromochlorometl	E624	ug/kg	NL								
75-00-3	Chloroethane	E624	ug/kg	1450000								
75-01-4	Vinyl Chloride	E624	ug/kg	59.7								
75-09-2	Methylene chlori	E624	ug/kg	10700								
75-15-0	Carbon Disulfide	E624	ug/kg	0.851								
75-25-2	Bromoform	E624	ug/kg	1310								
75-27-4	Bromodichlorome	E624	ug/kg	273								
75-34-3	1,1-Dichloroethar	E624	ug/kg	3310								
75-35-4	1,1-Dichloroethel	E624	ug/kg	2780								
75-69-4	Trichlorofluorome	E624	ug/kg	78700								
75-71-8	Dichlorodifluoron	E624	ug/kg	18400								
76-13-1	1,1,2-Trichloro-1,	E624	ug/kg	910000								
78-87-5	1,2-Dichloroprop	E624	ug/kg	895								
78-93-3	2-Butanone	E624	ug/kg	2780000								
79-00-5	1,1,2-Trichloroetl	E624	ug/kg	570								
79-01-6	Trichloroethene	E624	ug/kg	1600								
79-20-9	Methyl Acetate	E624	ug/kg	7820000								
79-34-5	1,1,2,2-Tetrachlo	E624	ug/kg	202								

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				sys_loc_code:	B64		C106		C110		C113	
				loc_name:	Area-07		Area-07		Area-07		Area-07	
				sys_sample_code:	B64 0-12		C106 0-12		C110 0-12		C113 0-12	
				depth:	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/27/2009		07/08/2009		07/08/2009		07/09/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
87-61-6	1,2,3-Trichlorobe	E624	ug/kg	858								
95-47-6	o-Xylene	E624	ug/kg	NL								
95-50-1	1,2-Dichlorobenz	E624	ug/kg	989								
96-12-8	1,2-Dibromo-3-cl	E624	ug/kg	5.35								
98-82-8	Isopropylbenzen	E624	ug/kg	86								
100-01-6	4-Nitroaniline	E625	ug/kg	24300								
100-02-7	4-Nitrophenol	E625	ug/kg	NL								
100-52-7	Benzaldehyde	E625	ug/kg	782000								
101-55-3	4-Bromophenyl P	E625	ug/kg	1230								
105-60-2	Caprolactam	E625	ug/kg	3060000								
105-67-9	2,4-Dimethylpher	E625	ug/kg	29								
106-44-5	4-Methylphenol	E625	ug/kg	670								
106-47-8	4-Chloroaniline	E625	ug/kg	2430								
108-60-1	Bis-Chloroisopro	E625	ug/kg	4570								
108-95-2	Phenol	E625	ug/kg	420								
111-44-4	Bis(2-Chloroethy	E625	ug/kg	214								
111-91-1	Bis(2-Chloroetho	E625	ug/kg	18300								
117-81-7	Bis(2-Ethylhexyl)	E625	ug/kg	182								
117-84-0	Di-N-Octyl Phtha	E625	ug/kg	NL								
118-74-1	Hexachlorobenze	E625	ug/kg	20								
120-12-7	Anthracene	E625	ug/kg	46.9								
120-83-2	2,4-Dichlorophen	E625	ug/kg	117								
121-14-2	2,4-Dinitrotoluen	E625	ug/kg	41.6								
129-00-0	Pyrene	E625	ug/kg	153								
131-11-3	Dimethylphthalat	E625	ug/kg	NL								
132-64-9	Dibenzofuran	E625	ug/kg	7300								
1912-24-9	Atrazine	E625	ug/kg	6.62								
191-24-2	Benzo(g,h,i)peryl	E625	ug/kg	170								
193-39-5	Indeno(1,2,3-Cd)	E625	ug/kg	17								
205-99-2	Benzo(b)fluorant	E625	ug/kg	148								
206-44-0	Fluoranthene	E625	ug/kg	113								
207-08-9	Benzo(k)fluorant	E625	ug/kg	240								

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				sys_loc_code:	B64		C106		C110		C113	
				loc_name:	Area-07		Area-07		Area-07		Area-07	
				sys_sample_code:	B64 0-12		C106 0-12		C110 0-12		C113 0-12	
				depth:	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/27/2009		07/08/2009		07/08/2009		07/09/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
208-96-8	Acenaphthylene	E625	ug/kg	5.87								
218-01-9	Chrysene	E625	ug/kg	108								
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8								
51-28-5	2,4-Dinitropheno	E625	ug/kg	12200								
534-52-1	4,6-Dinitro-2-Met	E625	ug/kg	611								
53-70-3	Dibenzo(a,h)anth	E625	ug/kg	6.22								
56-55-3	Benzo(a)anthrac	E625	ug/kg	74.8								
58-90-2	Chlorophenols	E625	ug/kg	284								
59-50-7	4-Chloro-3-Methy	E625	ug/kg	611000								
606-20-2	2,6-Dinitrotoluen	E625	ug/kg	6120								
621-64-7	N-Nitroso-Di-N-P	E625	ug/kg	69.4								
67-72-1	Hexachloroethan	E625	ug/kg	804								
7005-72-3	4-Chlorophenyl F	E625	ug/kg	NL								
77-47-4	Hexachlorocyclo	E625	ug/kg	139								
78-59-1	Isophorone	E625	ug/kg	511000								
83-32-9	Acenaphthene	E625	ug/kg	6.71								
84-66-2	Diethylphthalate	E625	ug/kg	218								
84-74-2	Di-N-Butylphthal	E625	ug/kg	1160								
85-01-8	Phenanthrene	E625	ug/kg	86.7								
85-68-7	Butylbenzylphtha	E625	ug/kg	16800								
86-30-6	N-Nitrosodipheny	E625	ug/kg	99100								
86-73-7	Fluorene	E625	ug/kg	19								
86-74-8	Carbazole	E625	ug/kg	NL								
87-68-3	Hexachlorobutad	E625	ug/kg	6110								
87-86-5	Pentachlorophen	E625	ug/kg	2970								
88-06-2	2,4,6-Trichloroph	E625	ug/kg	2650								
88-74-4	2-Nitroaniline	E625	ug/kg	60600								
88-75-5	2-Nitrophenol	E625	ug/kg	NL								
91-20-3	Naphthalene	E625	ug/kg	34.6								
91-57-6	2-Methylnaphtha	E625	ug/kg	20.2								
91-58-7	2-Chloronaphtha	E625	ug/kg	175000								
91-94-1	3,3`-Dichloroben	E625	ug/kg	1080								

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				sys_loc_code:	B64		C106		C110		C113	
				loc_name:	Area-07		Area-07		Area-07		Area-07	
				sys_sample_code:	B64 0-12		C106 0-12		C110 0-12		C113 0-12	
				depth:	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/27/2009		07/08/2009		07/08/2009		07/09/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220								
95-48-7	2-Methylphenol	E625	ug/kg	306000								
95-57-8	2-Chlorophenol	E625	ug/kg	344								
95-94-3	1,2,4,5-Tetrachlo	E625	ug/kg	1830								
95-95-4	2,4,5-Trichloroph	E625	ug/kg	819								
98-86-2	Acetophenone	E625	ug/kg	782000								
98-95-3	Nitrobenzene	E625	ug/kg	4790								
99-09-2	3-Nitroaniline	E625	ug/kg	NL								

R2-0001344

Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 7 Sediment < 12

				sys_loc_code:	C117		C118		C119		C120	
				loc_name:	Area-07		Area-07		Area-07		Area-07	
				sys_sample_code:	C117 0-12		C118 0-12		C119 0-12		C120 0-12	
				depth:	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/09/2009		07/09/2009		07/09/2009		07/09/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	C200.7	mg/kg	7740								
7440-36-0	Antimony	C200.7	mg/kg	2								
7440-38-2	Arsenic	C200.7	mg/kg	0.389								
7440-39-3	Barium	C200.7	mg/kg	130.1								
7440-41-7	Beryllium	C200.7	mg/kg	15.6								
7440-43-9	Cadmium	C200.7	mg/kg	0.68								
7440-70-2	Calcium	C200.7	mg/kg	NL								
7440-47-3	Chromium	C200.7	mg/kg	52.3								
7440-48-4	Cobalt	C200.7	mg/kg	2.34								
7440-50-8	Copper	C200.7	mg/kg	18.7								
7439-89-6	Iron	C200.7	mg/kg	2000								
7439-92-1	Lead	C200.7	mg/kg	30.2								
7439-95-4	Magnesium	C200.7	mg/kg	NL								
7439-96-5	Manganese	C200.7	mg/kg	183								
7440-02-0	Nickel	C200.7	mg/kg	15.9								
7440-09-7	Potassium	C200.7	mg/kg	NL								
7782-49-2	Selenium	C200.7	mg/kg	2								
7440-22-4	Silver	C200.7	mg/kg	0.73								
7440-23-5	Sodium	C200.7	mg/kg	NL								
7440-28-0	Thallium	C200.7	mg/kg	100000								
7440-31-5	Tin	C200.7	mg/kg	NL								
7440-62-2	Vanadium (Fume	C200.7	mg/kg	0.548								
7440-66-6	Zinc	C200.7	mg/kg	124								
7429-90-5	Aluminum	E200.7	mg/kg	7740	1570		2660	J	3780	J	3480	J
7439-89-6	Iron	E200.7	mg/kg	2000	10400		31400	J	25300	J	17800	J
7439-92-1	Lead	E200.7	mg/kg	30.2			212	J	734	J	7.8	J
7439-95-4	Magnesium	E200.7	mg/kg	NL	809		947		1950		2130	
7439-96-5	Manganese	E200.7	mg/kg	183			58.6		121		120	
7440-09-7	Potassium	E200.7	mg/kg	NL	388	J	329	J	771		816	
7440-23-5	Sodium	E200.7	mg/kg	NL	1970		1770	J	2810	J	2830	J
7440-38-2	Arsenic	E200.7	mg/kg	0.389			17.7		17.5		6.9	
7440-50-8	Copper	E200.7	mg/kg	18.7			44.8		43.8		6.6	

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				sys_loc_code:	C117		C118		C119		C120	
				loc_name:	Area-07		Area-07		Area-07		Area-07	
				sys_sample_code:	C117 0-12		C118 0-12		C119 0-12		C120 0-12	
				depth:	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/09/2009		07/09/2009		07/09/2009		07/09/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7440-66-6	Zinc	E200.7	mg/kg	124			89.7		87.6		34.9	
7440-70-2	Calcium	E200.7	mg/kg	NL	8590		3270		7890		3570	J
7439-92-1	Lead	E200.8	mg/kg	30.2	22.3	J						
7439-96-5	Manganese	E200.8	mg/kg	183	59.9	J						
7440-02-0	Nickel	E200.8	mg/kg	15.9	4	J						
7440-22-4	Silver	E200.8	mg/kg	0.73	0.27	UJ						
7440-28-0	Thallium	E200.8	mg/kg	100000	0.53	U						
7440-36-0	Antimony	E200.8	mg/kg	2	1.1	UJ						
7440-38-2	Arsenic	E200.8	mg/kg	0.389	4.1							
7440-39-3	Barium	E200.8	mg/kg	130.1	5.3	U						
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.5							
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.08	J						
7440-47-3	Chromium	E200.8	mg/kg	52.3	11.1	J						
7440-48-4	Cobalt	E200.8	mg/kg	2.34	1.8							
7440-50-8	Copper	E200.8	mg/kg	18.7	7.9	J						
7440-62-2	Vanadium (Fume	E200.8	mg/kg	0.548	23.8	J						
7440-66-6	Zinc	E200.8	mg/kg	124	36.8	J						
7782-49-2	Selenium	E200.8	mg/kg	2	0.25	J						
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.063							
1024-57-3	Heptachlor Epox	CPEST	ug/kg	0.6								
1031-07-8	Endosulfan Sulfa	CPEST	ug/kg	0.357								
309-00-2	Aldrin	CPEST	ug/kg	2								
319-84-6	Alpha-Bhc	CPEST	ug/kg	3								
319-85-7	Beta-Bhc	CPEST	ug/kg	3								
319-86-8	Delta-Bhc	CPEST	ug/kg	3								
33213-65-9	Endosulfan II	CPEST	ug/kg	14								
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19								
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7								
5103-74-2	Gamma-Chlorda	CPEST	ug/kg	7								
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL								
58-89-9	Gamma-Bhc (Lin	CPEST	ug/kg	0.32								
60-57-1	Dieldrin	CPEST	ug/kg	0.72								

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				sys_loc_code:	C117		C118		C119		C120	
				loc_name:	Area-07		Area-07		Area-07		Area-07	
				sys_sample_code:	C117 0-12		C118 0-12		C119 0-12		C120 0-12	
				depth:	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/09/2009		07/09/2009		07/09/2009		07/09/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
72-20-8	Endrin	CPEST	ug/kg	2.67								
72-43-5	Methoxychlor	CPEST	ug/kg	29.6								
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22								
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07								
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL								
76-44-8	Heptachlor	CPEST	ug/kg	68								
8001-35-2	Chlorinated Cam	CPEST	ug/kg	0.1								
959-98-8	Endosulfan I	CPEST	ug/kg	2.9								
11096-82-5	Aroclor 1260	E608	ug/kg	21.6								
11097-69-1	Aroclor 1254	E608	ug/kg	23								
11100-14-4	Aroclor 1268	E608	ug/kg	21.6								
11104-28-2	Aroclor 1221	E608	ug/kg	21.6								
11141-16-5	Aroclor 1232	E608	ug/kg	21.6								
12672-29-6	Aroclor 1248	E608	ug/kg	21.6								
12674-11-2	Aroclor 1016	E608	ug/kg	21.6								
37324-23-5	Aroclor 1262	E608	ug/kg	21.6								
53469-21-9	Aroclor 1242	E608	ug/kg	21.6								
100-41-4	Ethylbenzene	E624	ug/kg	305								
100-42-5	Styrene	E624	ug/kg	7070								
10061-01-5	cis-1,3-Dichlorop	E624	ug/kg	NL								
10061-02-6	trans-1,3-Dichlor	E624	ug/kg	NL								
106-46-7	1,4-Dichlorobenz	E624	ug/kg	460								
106-93-4	1,2-Dibromoetha	E624	ug/kg	33.7								
107-06-2	1,2-Dichloroethar	E624	ug/kg	432								
108-10-1	4-Methyl-2-Penta	E624	ug/kg	532000								
108-87-2	Methylcyclohexa	E624	ug/kg	NL								
108-88-3	Toluene	E624	ug/kg	1090								
108-90-7	Chlorobenzene	E624	ug/kg	162								
110-82-7	Cyclohexane	E624	ug/kg	117000								
120-82-1	1,2,4-Trichlorobe	E624	ug/kg	473								
123-91-1	1,4-Dioxane	E624	ug/kg	44100								
124-48-1	Dibromochlorom	E624	ug/kg	680								

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				sys_loc_code:	C117		C118		C119		C120	
				loc_name:	Area-07		Area-07		Area-07		Area-07	
				sys_sample_code:	C117 0-12		C118 0-12		C119 0-12		C120 0-12	
				depth:	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/09/2009		07/09/2009		07/09/2009		07/09/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
127-18-4	Tetrachloroethen	E624	ug/kg	190								
156-59-2	cis-1,2-Dichloroe	E624	ug/kg	78200								
156-60-5	trans-1,2-Dichlor	E624	ug/kg	15300								
1634-04-4	Methyl tert-Butyl	E624	ug/kg	43300								
179601-23-1	m,p-Xylene	E624	ug/kg	NL								
541-73-1	1,3-Dichlorobenz	E624	ug/kg	842								
56-23-5	Carbon tetrachlo	E624	ug/kg	248								
591-78-6	2-Hexanone	E624	ug/kg	20900								
67-64-1	Acetone	E624	ug/kg	6130000								
67-66-3	Chloroform	E624	ug/kg	295								
71-43-2	Benzene	E624	ug/kg	137								
71-55-6	1,1,1-Trichloroetl	E624	ug/kg	856								
74-83-9	Bromomethane	E624	ug/kg	732								
74-87-3	Chloromethane	E624	ug/kg	11900								
74-97-5	Bromochlorometl	E624	ug/kg	NL								
75-00-3	Chloroethane	E624	ug/kg	1450000								
75-01-4	Vinyl Chloride	E624	ug/kg	59.7								
75-09-2	Methylene chlori	E624	ug/kg	10700								
75-15-0	Carbon Disulfide	E624	ug/kg	0.851								
75-25-2	Bromoform	E624	ug/kg	1310								
75-27-4	Bromodichlorom	E624	ug/kg	273								
75-34-3	1,1-Dichloroetha	E624	ug/kg	3310								
75-35-4	1,1-Dichloroethe	E624	ug/kg	2780								
75-69-4	Trichlorofluorom	E624	ug/kg	78700								
75-71-8	Dichlorodifluoron	E624	ug/kg	18400								
76-13-1	1,1,2-Trichloro-1	E624	ug/kg	910000								
78-87-5	1,2-Dichloroprop	E624	ug/kg	895								
78-93-3	2-Butanone	E624	ug/kg	2780000								
79-00-5	1,1,2-Trichloroetl	E624	ug/kg	570								
79-01-6	Trichloroethene	E624	ug/kg	1600								
79-20-9	Methyl Acetate	E624	ug/kg	7820000								
79-34-5	1,1,2,2-Tetrachlo	E624	ug/kg	202								

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				sys_loc_code:	C117		C118		C119		C120	
				loc_name:	Area-07		Area-07		Area-07		Area-07	
				sys_sample_code:	C117 0-12		C118 0-12		C119 0-12		C120 0-12	
				depth:	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/09/2009		07/09/2009		07/09/2009		07/09/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
87-61-6	1,2,3-Trichlorobe	E624	ug/kg	858								
95-47-6	o-Xylene	E624	ug/kg	NL								
95-50-1	1,2-Dichlorobenz	E624	ug/kg	989								
96-12-8	1,2-Dibromo-3-cl	E624	ug/kg	5.35								
98-82-8	Isopropylbenzen	E624	ug/kg	86								
100-01-6	4-Nitroaniline	E625	ug/kg	24300								
100-02-7	4-Nitrophenol	E625	ug/kg	NL								
100-52-7	Benzaldehyde	E625	ug/kg	782000								
101-55-3	4-Bromophenyl P	E625	ug/kg	1230								
105-60-2	Caprolactam	E625	ug/kg	3060000								
105-67-9	2,4-Dimethylpher	E625	ug/kg	29								
106-44-5	4-Methylphenol	E625	ug/kg	670								
106-47-8	4-Chloroaniline	E625	ug/kg	2430								
108-60-1	Bis-Chloroisopro	E625	ug/kg	4570								
108-95-2	Phenol	E625	ug/kg	420								
111-44-4	Bis(2-Chloroethy	E625	ug/kg	214								
111-91-1	Bis(2-Chloroetho	E625	ug/kg	18300								
117-81-7	Bis(2-Ethylhexyl)	E625	ug/kg	182								
117-84-0	Di-N-Octyl Phtha	E625	ug/kg	NL								
118-74-1	Hexachlorobenze	E625	ug/kg	20								
120-12-7	Anthracene	E625	ug/kg	46.9								
120-83-2	2,4-Dichlorophen	E625	ug/kg	117								
121-14-2	2,4-Dinitrotoluen	E625	ug/kg	41.6								
129-00-0	Pyrene	E625	ug/kg	153								
131-11-3	Dimethylphthalat	E625	ug/kg	NL								
132-64-9	Dibenzofuran	E625	ug/kg	7300								
1912-24-9	Atrazine	E625	ug/kg	6.62								
191-24-2	Benzo(g,h,i)peryl	E625	ug/kg	170								
193-39-5	Indeno(1,2,3-Cd)	E625	ug/kg	17								
205-99-2	Benzo(b)fluorant	E625	ug/kg	148								
206-44-0	Fluoranthene	E625	ug/kg	113								
207-08-9	Benzo(k)fluorant	E625	ug/kg	240								

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				sys_loc_code:	C117		C118		C119		C120	
				loc_name:	Area-07		Area-07		Area-07		Area-07	
				sys_sample_code:	C117 0-12		C118 0-12		C119 0-12		C120 0-12	
				depth:	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/09/2009		07/09/2009		07/09/2009		07/09/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
208-96-8	Acenaphthylene	E625	ug/kg	5.87								
218-01-9	Chrysene	E625	ug/kg	108								
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8								
51-28-5	2,4-Dinitropheno	E625	ug/kg	12200								
534-52-1	4,6-Dinitro-2-Met	E625	ug/kg	611								
53-70-3	Dibenzo(a,h)anth	E625	ug/kg	6.22								
56-55-3	Benzo(a)anthrac	E625	ug/kg	74.8								
58-90-2	Chlorophenols	E625	ug/kg	284								
59-50-7	4-Chloro-3-Methy	E625	ug/kg	611000								
606-20-2	2,6-Dinitrotoluen	E625	ug/kg	6120								
621-64-7	N-Nitroso-Di-N-P	E625	ug/kg	69.4								
67-72-1	Hexachloroethan	E625	ug/kg	804								
7005-72-3	4-Chlorophenyl F	E625	ug/kg	NL								
77-47-4	Hexachlorocyclo	E625	ug/kg	139								
78-59-1	Isophorone	E625	ug/kg	511000								
83-32-9	Acenaphthene	E625	ug/kg	6.71								
84-66-2	Diethylphthalate	E625	ug/kg	218								
84-74-2	Di-N-Butylphthal	E625	ug/kg	1160								
85-01-8	Phenanthrene	E625	ug/kg	86.7								
85-68-7	Butylbenzylphtha	E625	ug/kg	16800								
86-30-6	N-Nitrosodipheny	E625	ug/kg	99100								
86-73-7	Fluorene	E625	ug/kg	19								
86-74-8	Carbazole	E625	ug/kg	NL								
87-68-3	Hexachlorobutad	E625	ug/kg	6110								
87-86-5	Pentachlorophen	E625	ug/kg	2970								
88-06-2	2,4,6-Trichloroph	E625	ug/kg	2650								
88-74-4	2-Nitroaniline	E625	ug/kg	60600								
88-75-5	2-Nitrophenol	E625	ug/kg	NL								
91-20-3	Naphthalene	E625	ug/kg	34.6								
91-57-6	2-Methylnaphtha	E625	ug/kg	20.2								
91-58-7	2-Chloronaphtha	E625	ug/kg	175000								
91-94-1	3,3`-Dichloroben	E625	ug/kg	1080								

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				sys_loc_code:	C117		C118		C119		C120	
				loc_name:	Area-07		Area-07		Area-07		Area-07	
				sys_sample_code:	C117 0-12		C118 0-12		C119 0-12		C120 0-12	
				depth:	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/09/2009		07/09/2009		07/09/2009		07/09/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220								
95-48-7	2-Methylphenol	E625	ug/kg	306000								
95-57-8	2-Chlorophenol	E625	ug/kg	344								
95-94-3	1,2,4,5-Tetrachlo	E625	ug/kg	1830								
95-95-4	2,4,5-Trichloroph	E625	ug/kg	819								
98-86-2	Acetophenone	E625	ug/kg	782000								
98-95-3	Nitrobenzene	E625	ug/kg	4790								
99-09-2	3-Nitroaniline	E625	ug/kg	NL								

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				sys_loc_code:	C121		C122		C123		C124	
				loc_name:	Area-07		Area-07		Area-07		Area-07	
				sys_sample_code:	C121 0-12		C122 0-12		C123 0-12		C124 0-12	
				depth:	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/08/2009		07/08/2009		07/08/2009		07/08/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	C200.7	mg/kg	7740								
7440-36-0	Antimony	C200.7	mg/kg	2								
7440-38-2	Arsenic	C200.7	mg/kg	0.389								
7440-39-3	Barium	C200.7	mg/kg	130.1								
7440-41-7	Beryllium	C200.7	mg/kg	15.6								
7440-43-9	Cadmium	C200.7	mg/kg	0.68								
7440-70-2	Calcium	C200.7	mg/kg	NL								
7440-47-3	Chromium	C200.7	mg/kg	52.3								
7440-48-4	Cobalt	C200.7	mg/kg	2.34								
7440-50-8	Copper	C200.7	mg/kg	18.7								
7439-89-6	Iron	C200.7	mg/kg	2000								
7439-92-1	Lead	C200.7	mg/kg	30.2								
7439-95-4	Magnesium	C200.7	mg/kg	NL								
7439-96-5	Manganese	C200.7	mg/kg	183								
7440-02-0	Nickel	C200.7	mg/kg	15.9								
7440-09-7	Potassium	C200.7	mg/kg	NL								
7782-49-2	Selenium	C200.7	mg/kg	2								
7440-22-4	Silver	C200.7	mg/kg	0.73								
7440-23-5	Sodium	C200.7	mg/kg	NL								
7440-28-0	Thallium	C200.7	mg/kg	100000								
7440-31-5	Tin	C200.7	mg/kg	NL								
7440-62-2	Vanadium (Fume	C200.7	mg/kg	0.548								
7440-66-6	Zinc	C200.7	mg/kg	124								
7429-90-5	Aluminum	E200.7	mg/kg	7740	2630		6030	J	4750	J	1860	J
7439-89-6	Iron	E200.7	mg/kg	2000	20800		17800	J	16200	J	9260	J
7439-92-1	Lead	E200.7	mg/kg	30.2								
7439-95-4	Magnesium	E200.7	mg/kg	NL	1320		3140	J	2130	J	820	J
7439-96-5	Manganese	E200.7	mg/kg	183								
7440-09-7	Potassium	E200.7	mg/kg	NL	535		1340	J	1030	J	617	UJ
7440-23-5	Sodium	E200.7	mg/kg	NL	2180		3720		2470		1770	
7440-38-2	Arsenic	E200.7	mg/kg	0.389								
7440-50-8	Copper	E200.7	mg/kg	18.7								

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Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 7 Sediment < 12

				sys_loc_code:	C121		C122		C123		C124	
				loc_name:	Area-07		Area-07		Area-07		Area-07	
				sys_sample_code:	C121 0-12		C122 0-12		C123 0-12		C124 0-12	
				depth:	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/08/2009		07/08/2009		07/08/2009		07/08/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7440-66-6	Zinc	E200.7	mg/kg	124								
7440-70-2	Calcium	E200.7	mg/kg	NL	13700		3290		2080		2800	
7439-92-1	Lead	E200.8	mg/kg	30.2	206	J	41.7	J	147	J	10.3	J
7439-96-5	Manganese	E200.8	mg/kg	183	62.8	J	176		85.4		40.2	
7440-02-0	Nickel	E200.8	mg/kg	15.9	8.7	J	9.6	J	7.7	J	2.7	J
7440-22-4	Silver	E200.8	mg/kg	0.73	0.28	UJ	0.37	U	0.33	U	0.31	U
7440-28-0	Thallium	E200.8	mg/kg	100000	0.57	U	0.74	U	0.65	U	0.62	U
7440-36-0	Antimony	E200.8	mg/kg	2	5.5	J	2.8	J	5	J	1.2	UJ
7440-38-2	Arsenic	E200.8	mg/kg	0.389	9.5		10.7	J	9.7	J	4	J
7440-39-3	Barium	E200.8	mg/kg	130.1	5.7	U	12.5	J	8.3	J	3.4	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.72		0.5		0.39		0.21	J
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.34		0.17	J	0.33	J	0.12	J
7440-47-3	Chromium	E200.8	mg/kg	52.3	30.7	J	26.3		14.3		7.5	
7440-48-4	Cobalt	E200.8	mg/kg	2.34	2.1		4.1		2.7		1.3	
7440-50-8	Copper	E200.8	mg/kg	18.7	21.5	J	13.9		19.7		5.7	
7440-62-2	Vanadium (Fume	E200.8	mg/kg	0.548	25.5	J	32.4	J	22.3	J	15.6	J
7440-66-6	Zinc	E200.8	mg/kg	124	88.6	J	50.8		58.7		27.3	
7782-49-2	Selenium	E200.8	mg/kg	2	0.45	J	0.48	J	0.55	J	0.62	U
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.31		0.081		0.12		0.062	
1024-57-3	Heptachlor Epox	CPEST	ug/kg	0.6								
1031-07-8	Endosulfan Sulfa	CPEST	ug/kg	0.357								
309-00-2	Aldrin	CPEST	ug/kg	2								
319-84-6	Alpha-Bhc	CPEST	ug/kg	3								
319-85-7	Beta-Bhc	CPEST	ug/kg	3								
319-86-8	Delta-Bhc	CPEST	ug/kg	3								
33213-65-9	Endosulfan II	CPEST	ug/kg	14								
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19								
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7								
5103-74-2	Gamma-Chlorda	CPEST	ug/kg	7								
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL								
58-89-9	Gamma-Bhc (Lin	CPEST	ug/kg	0.32								
60-57-1	Dieldrin	CPEST	ug/kg	0.72								

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				sys_loc_code:	C121		C122		C123		C124	
				loc_name:	Area-07		Area-07		Area-07		Area-07	
				sys_sample_code:	C121 0-12		C122 0-12		C123 0-12		C124 0-12	
				depth:	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/08/2009		07/08/2009		07/08/2009		07/08/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
72-20-8	Endrin	CPEST	ug/kg	2.67								
72-43-5	Methoxychlor	CPEST	ug/kg	29.6								
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22								
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07								
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL								
76-44-8	Heptachlor	CPEST	ug/kg	68								
8001-35-2	Chlorinated Cam	CPEST	ug/kg	0.1								
959-98-8	Endosulfan I	CPEST	ug/kg	2.9								
11096-82-5	Aroclor 1260	E608	ug/kg	21.6								
11097-69-1	Aroclor 1254	E608	ug/kg	23								
11100-14-4	Aroclor 1268	E608	ug/kg	21.6								
11104-28-2	Aroclor 1221	E608	ug/kg	21.6								
11141-16-5	Aroclor 1232	E608	ug/kg	21.6								
12672-29-6	Aroclor 1248	E608	ug/kg	21.6								
12674-11-2	Aroclor 1016	E608	ug/kg	21.6								
37324-23-5	Aroclor 1262	E608	ug/kg	21.6								
53469-21-9	Aroclor 1242	E608	ug/kg	21.6								
100-41-4	Ethylbenzene	E624	ug/kg	305								
100-42-5	Styrene	E624	ug/kg	7070								
10061-01-5	cis-1,3-Dichlorop	E624	ug/kg	NL								
10061-02-6	trans-1,3-Dichlor	E624	ug/kg	NL								
106-46-7	1,4-Dichlorobenz	E624	ug/kg	460								
106-93-4	1,2-Dibromoetha	E624	ug/kg	33.7								
107-06-2	1,2-Dichloroethar	E624	ug/kg	432								
108-10-1	4-Methyl-2-Penta	E624	ug/kg	532000								
108-87-2	Methylcyclohexa	E624	ug/kg	NL								
108-88-3	Toluene	E624	ug/kg	1090								
108-90-7	Chlorobenzene	E624	ug/kg	162								
110-82-7	Cyclohexane	E624	ug/kg	117000								
120-82-1	1,2,4-Trichlorobe	E624	ug/kg	473								
123-91-1	1,4-Dioxane	E624	ug/kg	44100								
124-48-1	Dibromochlorom	E624	ug/kg	680								

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				sys_loc_code:	C121		C122		C123		C124	
				loc_name:	Area-07		Area-07		Area-07		Area-07	
				sys_sample_code:	C121 0-12		C122 0-12		C123 0-12		C124 0-12	
				depth:	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/08/2009		07/08/2009		07/08/2009		07/08/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
127-18-4	Tetrachloroethen	E624	ug/kg	190								
156-59-2	cis-1,2-Dichloroe	E624	ug/kg	78200								
156-60-5	trans-1,2-Dichlor	E624	ug/kg	15300								
1634-04-4	Methyl tert-Butyl	E624	ug/kg	43300								
179601-23-1	m,p-Xylene	E624	ug/kg	NL								
541-73-1	1,3-Dichlorobenz	E624	ug/kg	842								
56-23-5	Carbon tetrachlo	E624	ug/kg	248								
591-78-6	2-Hexanone	E624	ug/kg	20900								
67-64-1	Acetone	E624	ug/kg	6130000								
67-66-3	Chloroform	E624	ug/kg	295								
71-43-2	Benzene	E624	ug/kg	137								
71-55-6	1,1,1-Trichloroetl	E624	ug/kg	856								
74-83-9	Bromomethane	E624	ug/kg	732								
74-87-3	Chloromethane	E624	ug/kg	11900								
74-97-5	Bromochlorometl	E624	ug/kg	NL								
75-00-3	Chloroethane	E624	ug/kg	1450000								
75-01-4	Vinyl Chloride	E624	ug/kg	59.7								
75-09-2	Methylene chlori	E624	ug/kg	10700								
75-15-0	Carbon Disulfide	E624	ug/kg	0.851								
75-25-2	Bromoform	E624	ug/kg	1310								
75-27-4	Bromodichlorom	E624	ug/kg	273								
75-34-3	1,1-Dichloroetha	E624	ug/kg	3310								
75-35-4	1,1-Dichloroethe	E624	ug/kg	2780								
75-69-4	Trichlorofluorom	E624	ug/kg	78700								
75-71-8	Dichlorodifluoron	E624	ug/kg	18400								
76-13-1	1,1,2-Trichloro-1	E624	ug/kg	910000								
78-87-5	1,2-Dichloroprop	E624	ug/kg	895								
78-93-3	2-Butanone	E624	ug/kg	2780000								
79-00-5	1,1,2-Trichloroetl	E624	ug/kg	570								
79-01-6	Trichloroethene	E624	ug/kg	1600								
79-20-9	Methyl Acetate	E624	ug/kg	7820000								
79-34-5	1,1,2,2-Tetrachlo	E624	ug/kg	202								

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				sys_loc_code:	C121		C122		C123		C124	
				loc_name:	Area-07		Area-07		Area-07		Area-07	
				sys_sample_code:	C121 0-12		C122 0-12		C123 0-12		C124 0-12	
				depth:	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/08/2009		07/08/2009		07/08/2009		07/08/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
87-61-6	1,2,3-Trichlorobe	E624	ug/kg	858								
95-47-6	o-Xylene	E624	ug/kg	NL								
95-50-1	1,2-Dichlorobenz	E624	ug/kg	989								
96-12-8	1,2-Dibromo-3-cl	E624	ug/kg	5.35								
98-82-8	Isopropylbenzen	E624	ug/kg	86								
100-01-6	4-Nitroaniline	E625	ug/kg	24300								
100-02-7	4-Nitrophenol	E625	ug/kg	NL								
100-52-7	Benzaldehyde	E625	ug/kg	782000								
101-55-3	4-Bromophenyl P	E625	ug/kg	1230								
105-60-2	Caprolactam	E625	ug/kg	3060000								
105-67-9	2,4-Dimethylpher	E625	ug/kg	29								
106-44-5	4-Methylphenol	E625	ug/kg	670								
106-47-8	4-Chloroaniline	E625	ug/kg	2430								
108-60-1	Bis-Chloroisopro	E625	ug/kg	4570								
108-95-2	Phenol	E625	ug/kg	420								
111-44-4	Bis(2-Chloroethy	E625	ug/kg	214								
111-91-1	Bis(2-Chloroetho	E625	ug/kg	18300								
117-81-7	Bis(2-Ethylhexyl)	E625	ug/kg	182								
117-84-0	Di-N-Octyl Phtha	E625	ug/kg	NL								
118-74-1	Hexachlorobenze	E625	ug/kg	20								
120-12-7	Anthracene	E625	ug/kg	46.9								
120-83-2	2,4-Dichlorophen	E625	ug/kg	117								
121-14-2	2,4-Dinitrotoluen	E625	ug/kg	41.6								
129-00-0	Pyrene	E625	ug/kg	153								
131-11-3	Dimethylphthalat	E625	ug/kg	NL								
132-64-9	Dibenzofuran	E625	ug/kg	7300								
1912-24-9	Atrazine	E625	ug/kg	6.62								
191-24-2	Benzo(g,h,i)peryl	E625	ug/kg	170								
193-39-5	Indeno(1,2,3-Cd)	E625	ug/kg	17								
205-99-2	Benzo(b)fluorant	E625	ug/kg	148								
206-44-0	Fluoranthene	E625	ug/kg	113								
207-08-9	Benzo(k)fluorant	E625	ug/kg	240								

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				sys_loc_code:	C121		C122		C123		C124	
				loc_name:	Area-07		Area-07		Area-07		Area-07	
				sys_sample_code:	C121 0-12		C122 0-12		C123 0-12		C124 0-12	
				depth:	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/08/2009		07/08/2009		07/08/2009		07/08/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
208-96-8	Acenaphthylene	E625	ug/kg	5.87								
218-01-9	Chrysene	E625	ug/kg	108								
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8								
51-28-5	2,4-Dinitropheno	E625	ug/kg	12200								
534-52-1	4,6-Dinitro-2-Met	E625	ug/kg	611								
53-70-3	Dibenzo(a,h)anth	E625	ug/kg	6.22								
56-55-3	Benzo(a)anthrac	E625	ug/kg	74.8								
58-90-2	Chlorophenols	E625	ug/kg	284								
59-50-7	4-Chloro-3-Methy	E625	ug/kg	611000								
606-20-2	2,6-Dinitrotoluen	E625	ug/kg	6120								
621-64-7	N-Nitroso-Di-N-P	E625	ug/kg	69.4								
67-72-1	Hexachloroethan	E625	ug/kg	804								
7005-72-3	4-Chlorophenyl F	E625	ug/kg	NL								
77-47-4	Hexachlorocyclo	E625	ug/kg	139								
78-59-1	Isophorone	E625	ug/kg	511000								
83-32-9	Acenaphthene	E625	ug/kg	6.71								
84-66-2	Diethylphthalate	E625	ug/kg	218								
84-74-2	Di-N-Butylphthal	E625	ug/kg	1160								
85-01-8	Phenanthrene	E625	ug/kg	86.7								
85-68-7	Butylbenzylphtha	E625	ug/kg	16800								
86-30-6	N-Nitrosodipheny	E625	ug/kg	99100								
86-73-7	Fluorene	E625	ug/kg	19								
86-74-8	Carbazole	E625	ug/kg	NL								
87-68-3	Hexachlorobutad	E625	ug/kg	6110								
87-86-5	Pentachlorophen	E625	ug/kg	2970								
88-06-2	2,4,6-Trichloroph	E625	ug/kg	2650								
88-74-4	2-Nitroaniline	E625	ug/kg	60600								
88-75-5	2-Nitrophenol	E625	ug/kg	NL								
91-20-3	Naphthalene	E625	ug/kg	34.6								
91-57-6	2-Methylnaphtha	E625	ug/kg	20.2								
91-58-7	2-Chloronaphtha	E625	ug/kg	175000								
91-94-1	3,3`-Dichloroben	E625	ug/kg	1080								

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				sys_loc_code:	C121		C122		C123		C124	
				loc_name:	Area-07		Area-07		Area-07		Area-07	
				sys_sample_code:	C121 0-12		C122 0-12		C123 0-12		C124 0-12	
				depth:	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/08/2009		07/08/2009		07/08/2009		07/08/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220								
95-48-7	2-Methylphenol	E625	ug/kg	306000								
95-57-8	2-Chlorophenol	E625	ug/kg	344								
95-94-3	1,2,4,5-Tetrachlo	E625	ug/kg	1830								
95-95-4	2,4,5-Trichloroph	E625	ug/kg	819								
98-86-2	Acetophenone	E625	ug/kg	782000								
98-95-3	Nitrobenzene	E625	ug/kg	4790								
99-09-2	3-Nitroaniline	E625	ug/kg	NL								

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				sys_loc_code:	C125		C126		C127		C128	
				loc_name:	Area-07		Area-07		Area-07		Area-07	
				sys_sample_code:	C125 0-12		C126 0-12		C127 0-12		C128 0-12	
				depth:	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/08/2009		07/08/2009		07/08/2009		07/08/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	C200.7	mg/kg	7740								
7440-36-0	Antimony	C200.7	mg/kg	2								
7440-38-2	Arsenic	C200.7	mg/kg	0.389								
7440-39-3	Barium	C200.7	mg/kg	130.1								
7440-41-7	Beryllium	C200.7	mg/kg	15.6								
7440-43-9	Cadmium	C200.7	mg/kg	0.68								
7440-70-2	Calcium	C200.7	mg/kg	NL								
7440-47-3	Chromium	C200.7	mg/kg	52.3								
7440-48-4	Cobalt	C200.7	mg/kg	2.34								
7440-50-8	Copper	C200.7	mg/kg	18.7								
7439-89-6	Iron	C200.7	mg/kg	2000								
7439-92-1	Lead	C200.7	mg/kg	30.2								
7439-95-4	Magnesium	C200.7	mg/kg	NL								
7439-96-5	Manganese	C200.7	mg/kg	183								
7440-02-0	Nickel	C200.7	mg/kg	15.9								
7440-09-7	Potassium	C200.7	mg/kg	NL								
7782-49-2	Selenium	C200.7	mg/kg	2								
7440-22-4	Silver	C200.7	mg/kg	0.73								
7440-23-5	Sodium	C200.7	mg/kg	NL								
7440-28-0	Thallium	C200.7	mg/kg	100000								
7440-31-5	Tin	C200.7	mg/kg	NL								
7440-62-2	Vanadium (Fume	C200.7	mg/kg	0.548								
7440-66-6	Zinc	C200.7	mg/kg	124								
7429-90-5	Aluminum	E200.7	mg/kg	7740	5450	J			6690	J		
7439-89-6	Iron	E200.7	mg/kg	2000	14900	J			16600	J		
7439-92-1	Lead	E200.7	mg/kg	30.2								
7439-95-4	Magnesium	E200.7	mg/kg	NL	2530	J			3290	J		
7439-96-5	Manganese	E200.7	mg/kg	183								
7440-09-7	Potassium	E200.7	mg/kg	NL	1230	J			1610	J		
7440-23-5	Sodium	E200.7	mg/kg	NL	3210				3990			
7440-38-2	Arsenic	E200.7	mg/kg	0.389								
7440-50-8	Copper	E200.7	mg/kg	18.7								

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Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 7 Sediment < 12

				sys_loc_code:	C125		C126		C127		C128	
				loc_name:	Area-07		Area-07		Area-07		Area-07	
				sys_sample_code:	C125 0-12		C126 0-12		C127 0-12		C128 0-12	
				depth:	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/08/2009		07/08/2009		07/08/2009		07/08/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7440-66-6	Zinc	E200.7	mg/kg	124								
7440-70-2	Calcium	E200.7	mg/kg	NL	4180				2910			
7439-92-1	Lead	E200.8	mg/kg	30.2	68.5	J	66.7		44.9	J	12.6	
7439-96-5	Manganese	E200.8	mg/kg	183	128		157		167		137	
7440-02-0	Nickel	E200.8	mg/kg	15.9	7.4	J	9.3		9.5	J	8	
7440-22-4	Silver	E200.8	mg/kg	0.73	0.36	U	0.36	U	0.39	U	0.36	U
7440-28-0	Thallium	E200.8	mg/kg	100000	0.71	U	0.72	U	0.79	U	0.72	U
7440-36-0	Antimony	E200.8	mg/kg	2	1.7	J	1.4	U	1.6	UJ	1.4	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389	5.8	J	6.4		7	J	5.7	
7440-39-3	Barium	E200.8	mg/kg	130.1	11.2	J	12.7	J	13.1	J	13.3	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.34	J	0.47		0.49		0.42	
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.18	J	0.16	J	0.16	J	0.11	J
7440-47-3	Chromium	E200.8	mg/kg	52.3	12.4		16.2		16.5		13.9	
7440-48-4	Cobalt	E200.8	mg/kg	2.34	3.1		3.9		4.1		3.8	
7440-50-8	Copper	E200.8	mg/kg	18.7	12.8		12.6		11.9		8.4	
7440-62-2	Vanadium (Fume	E200.8	mg/kg	0.548	17.8	J	21.8		23.7	J	22.3	
7440-66-6	Zinc	E200.8	mg/kg	124	40.8		46.1		46.9		39.4	
7782-49-2	Selenium	E200.8	mg/kg	2	0.43	J	0.61	J	0.47	J	0.43	J
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.15		0.064	J	0.073		0.052	J
1024-57-3	Heptachlor Epox	CPEST	ug/kg	0.6								
1031-07-8	Endosulfan Sulfa	CPEST	ug/kg	0.357								
309-00-2	Aldrin	CPEST	ug/kg	2								
319-84-6	Alpha-Bhc	CPEST	ug/kg	3								
319-85-7	Beta-Bhc	CPEST	ug/kg	3								
319-86-8	Delta-Bhc	CPEST	ug/kg	3								
33213-65-9	Endosulfan II	CPEST	ug/kg	14								
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19								
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7								
5103-74-2	Gamma-Chlorda	CPEST	ug/kg	7								
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL								
58-89-9	Gamma-Bhc (Lin	CPEST	ug/kg	0.32								
60-57-1	Dieldrin	CPEST	ug/kg	0.72								

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				sys_loc_code:	C125		C126		C127		C128	
				loc_name:	Area-07		Area-07		Area-07		Area-07	
				sys_sample_code:	C125 0-12		C126 0-12		C127 0-12		C128 0-12	
				depth:	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/08/2009		07/08/2009		07/08/2009		07/08/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
72-20-8	Endrin	CPEST	ug/kg	2.67								
72-43-5	Methoxychlor	CPEST	ug/kg	29.6								
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22								
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07								
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL								
76-44-8	Heptachlor	CPEST	ug/kg	68								
8001-35-2	Chlorinated Cam	CPEST	ug/kg	0.1								
959-98-8	Endosulfan I	CPEST	ug/kg	2.9								
11096-82-5	Aroclor 1260	E608	ug/kg	21.6								
11097-69-1	Aroclor 1254	E608	ug/kg	23								
11100-14-4	Aroclor 1268	E608	ug/kg	21.6								
11104-28-2	Aroclor 1221	E608	ug/kg	21.6								
11141-16-5	Aroclor 1232	E608	ug/kg	21.6								
12672-29-6	Aroclor 1248	E608	ug/kg	21.6								
12674-11-2	Aroclor 1016	E608	ug/kg	21.6								
37324-23-5	Aroclor 1262	E608	ug/kg	21.6								
53469-21-9	Aroclor 1242	E608	ug/kg	21.6								
100-41-4	Ethylbenzene	E624	ug/kg	305								
100-42-5	Styrene	E624	ug/kg	7070								
10061-01-5	cis-1,3-Dichlorop	E624	ug/kg	NL								
10061-02-6	trans-1,3-Dichlor	E624	ug/kg	NL								
106-46-7	1,4-Dichlorobenz	E624	ug/kg	460								
106-93-4	1,2-Dibromoetha	E624	ug/kg	33.7								
107-06-2	1,2-Dichloroethar	E624	ug/kg	432								
108-10-1	4-Methyl-2-Penta	E624	ug/kg	532000								
108-87-2	Methylcyclohexa	E624	ug/kg	NL								
108-88-3	Toluene	E624	ug/kg	1090								
108-90-7	Chlorobenzene	E624	ug/kg	162								
110-82-7	Cyclohexane	E624	ug/kg	117000								
120-82-1	1,2,4-Trichlorobe	E624	ug/kg	473								
123-91-1	1,4-Dioxane	E624	ug/kg	44100								
124-48-1	Dibromochlorom	E624	ug/kg	680								

				sys_loc_code:	C125		C126		C127		C128	
				loc_name:	Area-07		Area-07		Area-07		Area-07	
				sys_sample_code:	C125 0-12		C126 0-12		C127 0-12		C128 0-12	
				depth:	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/08/2009		07/08/2009		07/08/2009		07/08/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
127-18-4	Tetrachloroethen	E624	ug/kg	190								
156-59-2	cis-1,2-Dichloroe	E624	ug/kg	78200								
156-60-5	trans-1,2-Dichlor	E624	ug/kg	15300								
1634-04-4	Methyl tert-Butyl	E624	ug/kg	43300								
179601-23-1	m,p-Xylene	E624	ug/kg	NL								
541-73-1	1,3-Dichlorobenz	E624	ug/kg	842								
56-23-5	Carbon tetrachlo	E624	ug/kg	248								
591-78-6	2-Hexanone	E624	ug/kg	20900								
67-64-1	Acetone	E624	ug/kg	6130000								
67-66-3	Chloroform	E624	ug/kg	295								
71-43-2	Benzene	E624	ug/kg	137								
71-55-6	1,1,1-Trichloroetl	E624	ug/kg	856								
74-83-9	Bromomethane	E624	ug/kg	732								
74-87-3	Chloromethane	E624	ug/kg	11900								
74-97-5	Bromochlorometl	E624	ug/kg	NL								
75-00-3	Chloroethane	E624	ug/kg	1450000								
75-01-4	Vinyl Chloride	E624	ug/kg	59.7								
75-09-2	Methylene chlori	E624	ug/kg	10700								
75-15-0	Carbon Disulfide	E624	ug/kg	0.851								
75-25-2	Bromoform	E624	ug/kg	1310								
75-27-4	Bromodichlorome	E624	ug/kg	273								
75-34-3	1,1-Dichloroethar	E624	ug/kg	3310								
75-35-4	1,1-Dichloroethel	E624	ug/kg	2780								
75-69-4	Trichlorofluorome	E624	ug/kg	78700								
75-71-8	Dichlorodifluoron	E624	ug/kg	18400								
76-13-1	1,1,2-Trichloro-1,	E624	ug/kg	910000								
78-87-5	1,2-Dichloroprop	E624	ug/kg	895								
78-93-3	2-Butanone	E624	ug/kg	2780000								
79-00-5	1,1,2-Trichloroetl	E624	ug/kg	570								
79-01-6	Trichloroethene	E624	ug/kg	1600								
79-20-9	Methyl Acetate	E624	ug/kg	7820000								
79-34-5	1,1,2,2-Tetrachlo	E624	ug/kg	202								

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				sys_loc_code:	C125		C126		C127		C128	
				loc_name:	Area-07		Area-07		Area-07		Area-07	
				sys_sample_code:	C125 0-12		C126 0-12		C127 0-12		C128 0-12	
				depth:	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/08/2009		07/08/2009		07/08/2009		07/08/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
87-61-6	1,2,3-Trichlorobe	E624	ug/kg	858								
95-47-6	o-Xylene	E624	ug/kg	NL								
95-50-1	1,2-Dichlorobenz	E624	ug/kg	989								
96-12-8	1,2-Dibromo-3-cl	E624	ug/kg	5.35								
98-82-8	Isopropylbenzen	E624	ug/kg	86								
100-01-6	4-Nitroaniline	E625	ug/kg	24300								
100-02-7	4-Nitrophenol	E625	ug/kg	NL								
100-52-7	Benzaldehyde	E625	ug/kg	782000								
101-55-3	4-Bromophenyl P	E625	ug/kg	1230								
105-60-2	Caprolactam	E625	ug/kg	3060000								
105-67-9	2,4-Dimethylpher	E625	ug/kg	29								
106-44-5	4-Methylphenol	E625	ug/kg	670								
106-47-8	4-Chloroaniline	E625	ug/kg	2430								
108-60-1	Bis-Chloroisopro	E625	ug/kg	4570								
108-95-2	Phenol	E625	ug/kg	420								
111-44-4	Bis(2-Chloroethy	E625	ug/kg	214								
111-91-1	Bis(2-Chloroetho	E625	ug/kg	18300								
117-81-7	Bis(2-Ethylhexyl)	E625	ug/kg	182								
117-84-0	Di-N-Octyl Phtha	E625	ug/kg	NL								
118-74-1	Hexachlorobenze	E625	ug/kg	20								
120-12-7	Anthracene	E625	ug/kg	46.9								
120-83-2	2,4-Dichlorophen	E625	ug/kg	117								
121-14-2	2,4-Dinitrotoluen	E625	ug/kg	41.6								
129-00-0	Pyrene	E625	ug/kg	153								
131-11-3	Dimethylphthalat	E625	ug/kg	NL								
132-64-9	Dibenzofuran	E625	ug/kg	7300								
1912-24-9	Atrazine	E625	ug/kg	6.62								
191-24-2	Benzo(g,h,i)peryl	E625	ug/kg	170								
193-39-5	Indeno(1,2,3-Cd)	E625	ug/kg	17								
205-99-2	Benzo(b)fluorant	E625	ug/kg	148								
206-44-0	Fluoranthene	E625	ug/kg	113								
207-08-9	Benzo(k)fluorant	E625	ug/kg	240								

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				sys_loc_code:	C125		C126		C127		C128	
				loc_name:	Area-07		Area-07		Area-07		Area-07	
				sys_sample_code:	C125 0-12		C126 0-12		C127 0-12		C128 0-12	
				depth:	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/08/2009		07/08/2009		07/08/2009		07/08/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
208-96-8	Acenaphthylene	E625	ug/kg	5.87								
218-01-9	Chrysene	E625	ug/kg	108								
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8								
51-28-5	2,4-Dinitropheno	E625	ug/kg	12200								
534-52-1	4,6-Dinitro-2-Met	E625	ug/kg	611								
53-70-3	Dibenzo(a,h)anth	E625	ug/kg	6.22								
56-55-3	Benzo(a)anthrac	E625	ug/kg	74.8								
58-90-2	Chlorophenols	E625	ug/kg	284								
59-50-7	4-Chloro-3-Methy	E625	ug/kg	611000								
606-20-2	2,6-Dinitrotoluen	E625	ug/kg	6120								
621-64-7	N-Nitroso-Di-N-P	E625	ug/kg	69.4								
67-72-1	Hexachloroethan	E625	ug/kg	804								
7005-72-3	4-Chlorophenyl F	E625	ug/kg	NL								
77-47-4	Hexachlorocyclo	E625	ug/kg	139								
78-59-1	Isophorone	E625	ug/kg	511000								
83-32-9	Acenaphthene	E625	ug/kg	6.71								
84-66-2	Diethylphthalate	E625	ug/kg	218								
84-74-2	Di-N-Butylphthal	E625	ug/kg	1160								
85-01-8	Phenanthrene	E625	ug/kg	86.7								
85-68-7	Butylbenzylphtha	E625	ug/kg	16800								
86-30-6	N-Nitrosodipheny	E625	ug/kg	99100								
86-73-7	Fluorene	E625	ug/kg	19								
86-74-8	Carbazole	E625	ug/kg	NL								
87-68-3	Hexachlorobutad	E625	ug/kg	6110								
87-86-5	Pentachlorophen	E625	ug/kg	2970								
88-06-2	2,4,6-Trichloroph	E625	ug/kg	2650								
88-74-4	2-Nitroaniline	E625	ug/kg	60600								
88-75-5	2-Nitrophenol	E625	ug/kg	NL								
91-20-3	Naphthalene	E625	ug/kg	34.6								
91-57-6	2-Methylnaphtha	E625	ug/kg	20.2								
91-58-7	2-Chloronaphtha	E625	ug/kg	175000								
91-94-1	3,3`-Dichloroben	E625	ug/kg	1080								

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				sys_loc_code:	C125		C126		C127		C128	
				loc_name:	Area-07		Area-07		Area-07		Area-07	
				sys_sample_code:	C125 0-12		C126 0-12		C127 0-12		C128 0-12	
				depth:	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/08/2009		07/08/2009		07/08/2009		07/08/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220								
95-48-7	2-Methylphenol	E625	ug/kg	306000								
95-57-8	2-Chlorophenol	E625	ug/kg	344								
95-94-3	1,2,4,5-Tetrachlo	E625	ug/kg	1830								
95-95-4	2,4,5-Trichloroph	E625	ug/kg	819								
98-86-2	Acetophenone	E625	ug/kg	782000								
98-95-3	Nitrobenzene	E625	ug/kg	4790								
99-09-2	3-Nitroaniline	E625	ug/kg	NL								

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				sys_loc_code:	C128		C129		C130		C131	
				loc_name:	Area-07		Area-07		Area-07		Area-07	
				sys_sample_code:	Z128 0-12		C129 0-12		C130 0-12		C131 0-12	
				depth:	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/08/2009		07/08/2009		07/08/2009		07/08/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	C200.7	mg/kg	7740								
7440-36-0	Antimony	C200.7	mg/kg	2								
7440-38-2	Arsenic	C200.7	mg/kg	0.389								
7440-39-3	Barium	C200.7	mg/kg	130.1								
7440-41-7	Beryllium	C200.7	mg/kg	15.6								
7440-43-9	Cadmium	C200.7	mg/kg	0.68								
7440-70-2	Calcium	C200.7	mg/kg	NL								
7440-47-3	Chromium	C200.7	mg/kg	52.3								
7440-48-4	Cobalt	C200.7	mg/kg	2.34								
7440-50-8	Copper	C200.7	mg/kg	18.7								
7439-89-6	Iron	C200.7	mg/kg	2000								
7439-92-1	Lead	C200.7	mg/kg	30.2								
7439-95-4	Magnesium	C200.7	mg/kg	NL								
7439-96-5	Manganese	C200.7	mg/kg	183								
7440-02-0	Nickel	C200.7	mg/kg	15.9								
7440-09-7	Potassium	C200.7	mg/kg	NL								
7782-49-2	Selenium	C200.7	mg/kg	2								
7440-22-4	Silver	C200.7	mg/kg	0.73								
7440-23-5	Sodium	C200.7	mg/kg	NL								
7440-28-0	Thallium	C200.7	mg/kg	100000								
7440-31-5	Tin	C200.7	mg/kg	NL								
7440-62-2	Vanadium (Fume	C200.7	mg/kg	0.548								
7440-66-6	Zinc	C200.7	mg/kg	124								
7429-90-5	Aluminum	E200.7	mg/kg	7740								
7439-89-6	Iron	E200.7	mg/kg	2000								
7439-92-1	Lead	E200.7	mg/kg	30.2								
7439-95-4	Magnesium	E200.7	mg/kg	NL								
7439-96-5	Manganese	E200.7	mg/kg	183								
7440-09-7	Potassium	E200.7	mg/kg	NL								
7440-23-5	Sodium	E200.7	mg/kg	NL								
7440-38-2	Arsenic	E200.7	mg/kg	0.389								
7440-50-8	Copper	E200.7	mg/kg	18.7								

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				sys_loc_code:	C128		C129		C130		C131	
				loc_name:	Area-07		Area-07		Area-07		Area-07	
				sys_sample_code:	Z128 0-12		C129 0-12		C130 0-12		C131 0-12	
				depth:	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/08/2009		07/08/2009		07/08/2009		07/08/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7440-66-6	Zinc	E200.7	mg/kg	124								
7440-70-2	Calcium	E200.7	mg/kg	NL								
7439-92-1	Lead	E200.8	mg/kg	30.2	15.8		85.7		69.3		161	
7439-96-5	Manganese	E200.8	mg/kg	183	140		160		181		135	
7440-02-0	Nickel	E200.8	mg/kg	15.9	8.1		9.2		14.2		18.9	
7440-22-4	Silver	E200.8	mg/kg	0.73	0.37	U	0.38	U	0.84		2.3	
7440-28-0	Thallium	E200.8	mg/kg	100000	0.73	U	0.77	U	0.83	U	0.9	U
7440-36-0	Antimony	E200.8	mg/kg	2	1.5	U	1.8		1.7	U	3.3	
7440-38-2	Arsenic	E200.8	mg/kg	0.389	5.8		6.4		18.3		33.5	
7440-39-3	Barium	E200.8	mg/kg	130.1	14.1	J	13.5	J	30.9	J	51	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.4		0.45		0.48		0.58	
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.13	J	0.14	J	0.63		1.4	
7440-47-3	Chromium	E200.8	mg/kg	52.3	14.1		15.5		35.6		59.4	
7440-48-4	Cobalt	E200.8	mg/kg	2.34	3.8		3.8		4.7		4.7	
7440-50-8	Copper	E200.8	mg/kg	18.7	8.7		10.6		94.6		277	
7440-62-2	Vanadium (Fume	E200.8	mg/kg	0.548	22.4		20.8		26.3		31	
7440-66-6	Zinc	E200.8	mg/kg	124	43		45.1		86.8		178	
7782-49-2	Selenium	E200.8	mg/kg	2	0.44	J	0.59	J	1.3		2.8	
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.081	J	0.081	J	0.52	J	1.8	J
1024-57-3	Heptachlor Epox	CPEST	ug/kg	0.6								
1031-07-8	Endosulfan Sulfa	CPEST	ug/kg	0.357								
309-00-2	Aldrin	CPEST	ug/kg	2								
319-84-6	Alpha-Bhc	CPEST	ug/kg	3								
319-85-7	Beta-Bhc	CPEST	ug/kg	3								
319-86-8	Delta-Bhc	CPEST	ug/kg	3								
33213-65-9	Endosulfan II	CPEST	ug/kg	14								
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19								
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7								
5103-74-2	Gamma-Chlorda	CPEST	ug/kg	7								
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL								
58-89-9	Gamma-Bhc (Lin	CPEST	ug/kg	0.32								
60-57-1	Dieldrin	CPEST	ug/kg	0.72								

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				sys_loc_code:	C128		C129		C130		C131	
				loc_name:	Area-07		Area-07		Area-07		Area-07	
				sys_sample_code:	Z128 0-12		C129 0-12		C130 0-12		C131 0-12	
				depth:	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/08/2009		07/08/2009		07/08/2009		07/08/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
72-20-8	Endrin	CPEST	ug/kg	2.67								
72-43-5	Methoxychlor	CPEST	ug/kg	29.6								
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22								
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07								
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL								
76-44-8	Heptachlor	CPEST	ug/kg	68								
8001-35-2	Chlorinated Cam	CPEST	ug/kg	0.1								
959-98-8	Endosulfan I	CPEST	ug/kg	2.9								
11096-82-5	Aroclor 1260	E608	ug/kg	21.6								
11097-69-1	Aroclor 1254	E608	ug/kg	23								
11100-14-4	Aroclor 1268	E608	ug/kg	21.6								
11104-28-2	Aroclor 1221	E608	ug/kg	21.6								
11141-16-5	Aroclor 1232	E608	ug/kg	21.6								
12672-29-6	Aroclor 1248	E608	ug/kg	21.6								
12674-11-2	Aroclor 1016	E608	ug/kg	21.6								
37324-23-5	Aroclor 1262	E608	ug/kg	21.6								
53469-21-9	Aroclor 1242	E608	ug/kg	21.6								
100-41-4	Ethylbenzene	E624	ug/kg	305								
100-42-5	Styrene	E624	ug/kg	7070								
10061-01-5	cis-1,3-Dichlorop	E624	ug/kg	NL								
10061-02-6	trans-1,3-Dichlor	E624	ug/kg	NL								
106-46-7	1,4-Dichlorobenz	E624	ug/kg	460								
106-93-4	1,2-Dibromoetha	E624	ug/kg	33.7								
107-06-2	1,2-Dichloroethar	E624	ug/kg	432								
108-10-1	4-Methyl-2-Penta	E624	ug/kg	532000								
108-87-2	Methylcyclohexa	E624	ug/kg	NL								
108-88-3	Toluene	E624	ug/kg	1090								
108-90-7	Chlorobenzene	E624	ug/kg	162								
110-82-7	Cyclohexane	E624	ug/kg	117000								
120-82-1	1,2,4-Trichlorobe	E624	ug/kg	473								
123-91-1	1,4-Dioxane	E624	ug/kg	44100								
124-48-1	Dibromochlorom	E624	ug/kg	680								

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				sys_loc_code:	C128		C129		C130		C131	
				loc_name:	Area-07		Area-07		Area-07		Area-07	
				sys_sample_code:	Z128 0-12		C129 0-12		C130 0-12		C131 0-12	
				depth:	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/08/2009		07/08/2009		07/08/2009		07/08/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
127-18-4	Tetrachloroethen	E624	ug/kg	190								
156-59-2	cis-1,2-Dichloroe	E624	ug/kg	78200								
156-60-5	trans-1,2-Dichlor	E624	ug/kg	15300								
1634-04-4	Methyl tert-Butyl	E624	ug/kg	43300								
179601-23-1	m,p-Xylene	E624	ug/kg	NL								
541-73-1	1,3-Dichlorobenz	E624	ug/kg	842								
56-23-5	Carbon tetrachlo	E624	ug/kg	248								
591-78-6	2-Hexanone	E624	ug/kg	20900								
67-64-1	Acetone	E624	ug/kg	6130000								
67-66-3	Chloroform	E624	ug/kg	295								
71-43-2	Benzene	E624	ug/kg	137								
71-55-6	1,1,1-Trichloroetl	E624	ug/kg	856								
74-83-9	Bromomethane	E624	ug/kg	732								
74-87-3	Chloromethane	E624	ug/kg	11900								
74-97-5	Bromochlorometl	E624	ug/kg	NL								
75-00-3	Chloroethane	E624	ug/kg	1450000								
75-01-4	Vinyl Chloride	E624	ug/kg	59.7								
75-09-2	Methylene chlori	E624	ug/kg	10700								
75-15-0	Carbon Disulfide	E624	ug/kg	0.851								
75-25-2	Bromoform	E624	ug/kg	1310								
75-27-4	Bromodichlorom	E624	ug/kg	273								
75-34-3	1,1-Dichloroethar	E624	ug/kg	3310								
75-35-4	1,1-Dichloroethel	E624	ug/kg	2780								
75-69-4	Trichlorofluorom	E624	ug/kg	78700								
75-71-8	Dichlorodifluoron	E624	ug/kg	18400								
76-13-1	1,1,2-Trichloro-1	E624	ug/kg	910000								
78-87-5	1,2-Dichloroprop	E624	ug/kg	895								
78-93-3	2-Butanone	E624	ug/kg	2780000								
79-00-5	1,1,2-Trichloroetl	E624	ug/kg	570								
79-01-6	Trichloroethene	E624	ug/kg	1600								
79-20-9	Methyl Acetate	E624	ug/kg	7820000								
79-34-5	1,1,2,2-Tetrachlo	E624	ug/kg	202								

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				sys_loc_code:	C128		C129		C130		C131	
				loc_name:	Area-07		Area-07		Area-07		Area-07	
				sys_sample_code:	Z128 0-12		C129 0-12		C130 0-12		C131 0-12	
				depth:	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/08/2009		07/08/2009		07/08/2009		07/08/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
87-61-6	1,2,3-Trichlorobe	E624	ug/kg	858								
95-47-6	o-Xylene	E624	ug/kg	NL								
95-50-1	1,2-Dichlorobenz	E624	ug/kg	989								
96-12-8	1,2-Dibromo-3-cl	E624	ug/kg	5.35								
98-82-8	Isopropylbenzen	E624	ug/kg	86								
100-01-6	4-Nitroaniline	E625	ug/kg	24300								
100-02-7	4-Nitrophenol	E625	ug/kg	NL								
100-52-7	Benzaldehyde	E625	ug/kg	782000								
101-55-3	4-Bromophenyl P	E625	ug/kg	1230								
105-60-2	Caprolactam	E625	ug/kg	3060000								
105-67-9	2,4-Dimethylpher	E625	ug/kg	29								
106-44-5	4-Methylphenol	E625	ug/kg	670								
106-47-8	4-Chloroaniline	E625	ug/kg	2430								
108-60-1	Bis-Chloroisopro	E625	ug/kg	4570								
108-95-2	Phenol	E625	ug/kg	420								
111-44-4	Bis(2-Chloroethy	E625	ug/kg	214								
111-91-1	Bis(2-Chloroetho	E625	ug/kg	18300								
117-81-7	Bis(2-Ethylhexyl)	E625	ug/kg	182								
117-84-0	Di-N-Octyl Phtha	E625	ug/kg	NL								
118-74-1	Hexachlorobenze	E625	ug/kg	20								
120-12-7	Anthracene	E625	ug/kg	46.9								
120-83-2	2,4-Dichlorophen	E625	ug/kg	117								
121-14-2	2,4-Dinitrotoluen	E625	ug/kg	41.6								
129-00-0	Pyrene	E625	ug/kg	153								
131-11-3	Dimethylphthalat	E625	ug/kg	NL								
132-64-9	Dibenzofuran	E625	ug/kg	7300								
1912-24-9	Atrazine	E625	ug/kg	6.62								
191-24-2	Benzo(g,h,i)peryl	E625	ug/kg	170								
193-39-5	Indeno(1,2,3-Cd)	E625	ug/kg	17								
205-99-2	Benzo(b)fluorant	E625	ug/kg	148								
206-44-0	Fluoranthene	E625	ug/kg	113								
207-08-9	Benzo(k)fluorant	E625	ug/kg	240								

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				sys_loc_code:	C128		C129		C130		C131	
				loc_name:	Area-07		Area-07		Area-07		Area-07	
				sys_sample_code:	Z128 0-12		C129 0-12		C130 0-12		C131 0-12	
				depth:	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/08/2009		07/08/2009		07/08/2009		07/08/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
208-96-8	Acenaphthylene	E625	ug/kg	5.87								
218-01-9	Chrysene	E625	ug/kg	108								
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8								
51-28-5	2,4-Dinitropheno	E625	ug/kg	12200								
534-52-1	4,6-Dinitro-2-Met	E625	ug/kg	611								
53-70-3	Dibenzo(a,h)anth	E625	ug/kg	6.22								
56-55-3	Benzo(a)anthrac	E625	ug/kg	74.8								
58-90-2	Chlorophenols	E625	ug/kg	284								
59-50-7	4-Chloro-3-Methy	E625	ug/kg	611000								
606-20-2	2,6-Dinitrotoluen	E625	ug/kg	6120								
621-64-7	N-Nitroso-Di-N-P	E625	ug/kg	69.4								
67-72-1	Hexachloroethan	E625	ug/kg	804								
7005-72-3	4-Chlorophenyl F	E625	ug/kg	NL								
77-47-4	Hexachlorocyclo	E625	ug/kg	139								
78-59-1	Isophorone	E625	ug/kg	511000								
83-32-9	Acenaphthene	E625	ug/kg	6.71								
84-66-2	Diethylphthalate	E625	ug/kg	218								
84-74-2	Di-N-Butylphthal	E625	ug/kg	1160								
85-01-8	Phenanthrene	E625	ug/kg	86.7								
85-68-7	Butylbenzylphtha	E625	ug/kg	16800								
86-30-6	N-Nitrosodipheny	E625	ug/kg	99100								
86-73-7	Fluorene	E625	ug/kg	19								
86-74-8	Carbazole	E625	ug/kg	NL								
87-68-3	Hexachlorobutad	E625	ug/kg	6110								
87-86-5	Pentachlorophen	E625	ug/kg	2970								
88-06-2	2,4,6-Trichloroph	E625	ug/kg	2650								
88-74-4	2-Nitroaniline	E625	ug/kg	60600								
88-75-5	2-Nitrophenol	E625	ug/kg	NL								
91-20-3	Naphthalene	E625	ug/kg	34.6								
91-57-6	2-Methylnaphtha	E625	ug/kg	20.2								
91-58-7	2-Chloronaphtha	E625	ug/kg	175000								
91-94-1	3,3`-Dichloroben	E625	ug/kg	1080								

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				sys_loc_code:	C128		C129		C130		C131	
				loc_name:	Area-07		Area-07		Area-07		Area-07	
				sys_sample_code:	Z128 0-12		C129 0-12		C130 0-12		C131 0-12	
				depth:	0-12 in		0-12 in		0-12 in		0-12 in	
				sample_date:	07/08/2009		07/08/2009		07/08/2009		07/08/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220								
95-48-7	2-Methylphenol	E625	ug/kg	306000								
95-57-8	2-Chlorophenol	E625	ug/kg	344								
95-94-3	1,2,4,5-Tetrachlo	E625	ug/kg	1830								
95-95-4	2,4,5-Trichloroph	E625	ug/kg	819								
98-86-2	Acetophenone	E625	ug/kg	782000								
98-95-3	Nitrobenzene	E625	ug/kg	4790								
99-09-2	3-Nitroaniline	E625	ug/kg	NL								

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				sys_loc_code:	S54		S55	
				loc_name:	Area-07		Area-07	
				sys_sample_code:	RBS-S54		RBS-S55	
				depth:	0-2 in		0-2 in	
				sample_date:	09/12/2008		09/12/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-Soil				
7429-90-5	Aluminum	C200.7	mg/kg	3900	998	R	846	R
7440-36-0	Antimony	C200.7	mg/kg	0.142	7	U	6.3	U
7440-38-2	Arsenic	C200.7	mg/kg	0.389	1.8	R	3	R
7440-39-3	Barium	C200.7	mg/kg	1.04	1.6	J	1.1	J
7440-41-7	Beryllium	C200.7	mg/kg	0.5	0.58	U	0.52	U
7440-43-9	Cadmium	C200.7	mg/kg	0.00222	0.58	U	0.52	U
7440-70-2	Calcium	C200.7	mg/kg	995	6210	J	3300	J
7440-47-3	Chromium	C200.7	mg/kg	0.4	13.2		6.1	
7440-48-4	Cobalt	C200.7	mg/kg	0.14	1.2	J	1.2	J
7440-50-8	Copper	C200.7	mg/kg	5.4	1	R	1.4	R
7439-89-6	Iron	C200.7	mg/kg	5480	4320		10400	
7439-92-1	Lead	C200.7	mg/kg	0.0537	1.8		2.9	
7439-95-4	Magnesium	C200.7	mg/kg	673	563	J	431	J
7439-96-5	Manganese	C200.7	mg/kg	42	45.9	R	64.6	R
7440-02-0	Nickel	C200.7	mg/kg	12.3	4.4	J	1.9	J
7440-09-7	Potassium	C200.7	mg/kg	1750	208	J	153	J
7782-49-2	Selenium	C200.7	mg/kg	0.0276	4.1	UJ	0.58	J
7440-22-4	Silver	C200.7	mg/kg	1	1.2	U	1	U
7440-23-5	Sodium	C200.7	mg/kg		1080	J	426	J
7440-28-0	Thallium	C200.7	mg/kg	0.0569	2.9	UJ	2.6	UJ
7440-31-5	Tin	C200.7	mg/kg		11.7	UJ	10.5	UJ
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548	5.8	UJ	11.1	J
7440-66-6	Zinc	C200.7	mg/kg	6.62	7.7	J	10.3	J

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				sys_loc_code:	S56		S57	
				loc_name:	Area-07		Area-07	
				sys_sample_code:	RBS-S56		RBS-S57	
				depth:	0-2 in		0-2 in	
				sample_date:	09/12/2008		09/12/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-Soil				
7429-90-5	Aluminum	C200.7	mg/kg	3900	855	R	897	R
7440-36-0	Antimony	C200.7	mg/kg	0.142	6.3	U	6.3	U
7440-38-2	Arsenic	C200.7	mg/kg	0.389	5.4	R	2.5	R
7440-39-3	Barium	C200.7	mg/kg	1.04	1.6	J	1.9	J
7440-41-7	Beryllium	C200.7	mg/kg	0.5	0.53	U	0.52	U
7440-43-9	Cadmium	C200.7	mg/kg	0.00222	0.53	U	0.52	U
7440-70-2	Calcium	C200.7	mg/kg	995	7460	J	368	J
7440-47-3	Chromium	C200.7	mg/kg	0.4	4.4		6.2	
7440-48-4	Cobalt	C200.7	mg/kg	0.14	1.2	J	0.97	J
7440-50-8	Copper	C200.7	mg/kg	5.4	2	R	1.3	R
7439-89-6	Iron	C200.7	mg/kg	5480	11900		6080	
7439-92-1	Lead	C200.7	mg/kg	0.0537	3.2		3.6	
7439-95-4	Magnesium	C200.7	mg/kg	673	484	J	504	J
7439-96-5	Manganese	C200.7	mg/kg	42	63.9	R	51.2	R
7440-02-0	Nickel	C200.7	mg/kg	12.3	2.3	J	1.8	J
7440-09-7	Potassium	C200.7	mg/kg	1750	183	J	363	J
7782-49-2	Selenium	C200.7	mg/kg	0.0276	0.54	J	3.7	UJ
7440-22-4	Silver	C200.7	mg/kg	1	1.1	U	1	U
7440-23-5	Sodium	C200.7	mg/kg		459	J	388	J
7440-28-0	Thallium	C200.7	mg/kg	0.0569	2.6	UJ	2.6	UJ
7440-31-5	Tin	C200.7	mg/kg		10.6	UJ	10.4	UJ
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548	11.8	J	7.5	J
7440-66-6	Zinc	C200.7	mg/kg	6.62	11	J	9.3	J

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Area 7 Surface Soils

				sys_loc_code:	S90	
				loc_name:	Area-07	
				sys_sample_code:	RBS-S90	
				depth:	0-2 in	
				sample_date:	09/12/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-Soil		
7429-90-5	Aluminum	C200.7	mg/kg	3900	790	R
7440-36-0	Antimony	C200.7	mg/kg	0.142	6.7	U
7440-38-2	Arsenic	C200.7	mg/kg	0.389	1.3	R
7440-39-3	Barium	C200.7	mg/kg	1.04	22.3	UJ
7440-41-7	Beryllium	C200.7	mg/kg	0.5	0.56	U
7440-43-9	Cadmium	C200.7	mg/kg	0.00222	0.56	U
7440-70-2	Calcium	C200.7	mg/kg	995	959	J
7440-47-3	Chromium	C200.7	mg/kg	0.4	2.9	
7440-48-4	Cobalt	C200.7	mg/kg	0.14	5.6	U
7440-50-8	Copper	C200.7	mg/kg	5.4	1.6	R
7439-89-6	Iron	C200.7	mg/kg	5480	4220	
7439-92-1	Lead	C200.7	mg/kg	0.0537	4.4	
7439-95-4	Magnesium	C200.7	mg/kg	673	477	J
7439-96-5	Manganese	C200.7	mg/kg	42	49.3	R
7440-02-0	Nickel	C200.7	mg/kg	12.3	2	J
7440-09-7	Potassium	C200.7	mg/kg	1750	245	J
7782-49-2	Selenium	C200.7	mg/kg	0.0276	0.37	J
7440-22-4	Silver	C200.7	mg/kg	1	1.1	U
7440-23-5	Sodium	C200.7	mg/kg		958	J
7440-28-0	Thallium	C200.7	mg/kg	0.0569	2.8	UJ
7440-31-5	Tin	C200.7	mg/kg		11.1	UJ
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548	5.2	J
7440-66-6	Zinc	C200.7	mg/kg	6.62	7.9	J

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Area 8

Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
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				sys_loc_code:	SED53		SED54		SED55		
				loc_name:	Area-08		Area-08		Area-07		
				sys_sample_code:	RBS-SED53		RBS-SED54		RBS-SED55		
				depth:	0-3 in		0-3 in		0-3 in		
				sample_date:	09/16/2008		09/16/2008		09/16/2008		
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED							
7429-90-5	Aluminum	C200.7	mg/kg	7740	6410	J	11000	J	2100	J	
7440-36-0	Antimony	C200.7	mg/kg	2	44.2	J	53.7	J	0.86	J	
7440-38-2	Arsenic	C200.7	mg/kg	0.389	36.2	J	62.9	J	3.4	J	
7440-39-3	Barium	C200.7	mg/kg	130.1	38.4	J	53.8	J	6.4	J	
7440-41-7	Beryllium	C200.7	mg/kg	15.6	0.36	J	0.54	J	0.17	J	
7440-43-9	Cadmium	C200.7	mg/kg	0.68	1.8	J	2.8	J	0.049	J	
7440-70-2	Calcium	C200.7	mg/kg	NL	5000	J	14700	J	4140		
7440-47-3	Chromium	C200.7	mg/kg	52.3	26.6	J	43.5	J	9.2	R	
7440-48-4	Cobalt	C200.7	mg/kg	2.34	5.7	J	8.7	J	1.8	J	
7440-50-8	Copper	C200.7	mg/kg	18.7	151	J	204	J	11	J	
7439-89-6	Iron	C200.7	mg/kg	2000	22800	J	32300	J	7270		
7439-92-1	Lead	C200.7	mg/kg	30.2	2910	R	4130	R	21.2	R	
7439-95-4	Magnesium	C200.7	mg/kg	NL	3830	J	6270	J	1320		
7439-96-5	Manganese	C200.7	mg/kg	183	147	J	250	J	50.5		
7440-02-0	Nickel	C200.7	mg/kg	15.9	18.3	J	28.5	R	6.1	U	
7440-09-7	Potassium	C200.7	mg/kg	NL	1640	J	2600	J	968		
7782-49-2	Selenium	C200.7	mg/kg	2	2	J	2.4	J	0.69	J	
7440-22-4	Silver	C200.7	mg/kg	0.73	0.71	J	1.2	J	1.5	U	
7440-23-5	Sodium	C200.7	mg/kg	NL	11200	J	17900	J	4110		
7440-28-0	Thallium	C200.7	mg/kg	100000	6.1	UJ	8.7	UJ	3.8	U	
7440-31-5	Tin	C200.7	mg/kg	NL	89.3	J	127	J	15.3	U	
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548	28.4	J	43.5	J	11.7		
7440-66-6	Zinc	C200.7	mg/kg	124	205	J	268	J	33.3	R	
7429-90-5	Aluminum	E200.7	mg/kg	7740							
7439-89-6	Iron	E200.7	mg/kg	2000							
7439-92-1	Lead	E200.7	mg/kg	30.2							
7439-95-4	Magnesium	E200.7	mg/kg	NL							
7439-96-5	Manganese	E200.7	mg/kg	183							
7440-09-7	Potassium	E200.7	mg/kg	NL							
7440-23-5	Sodium	E200.7	mg/kg	NL							
7440-36-0	Antimony	E200.7	mg/kg	2							
7440-38-2	Arsenic	E200.7	mg/kg	0.389							
7440-50-8	Copper	E200.7	mg/kg	18.7							

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				sys_loc_code:	SED53		SED54		SED55	
				loc_name:	Area-08		Area-08		Area-07	
				sys_sample_code:	RBS-SED53		RBS-SED54		RBS-SED55	
				depth:	0-3 in		0-3 in		0-3 in	
				sample_date:	09/16/2008		09/16/2008		09/16/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
7440-66-6	Zinc	E200.7	mg/kg	124						
7440-70-2	Calcium	E200.7	mg/kg	NL						
7440-36-0	Antimony	E200.8	mg/kg	2						
7440-38-2	Arsenic	E200.8	mg/kg	0.389						
7440-39-3	Barium	E200.8	mg/kg	130.1						
7440-41-7	Beryllium	E200.8	mg/kg	15.6						
7440-43-9	Cadmium	E200.8	mg/kg	0.68						
7440-47-3	Chromium	E200.8	mg/kg	52.3						
7440-48-4	Cobalt	E200.8	mg/kg	2.34						
7440-50-8	Copper	E200.8	mg/kg	18.7						
7439-92-1	Lead	E200.8	mg/kg	30.2						
7439-96-5	Manganese	E200.8	mg/kg	183						
7440-02-0	Nickel	E200.8	mg/kg	15.9						
7782-49-2	Selenium	E200.8	mg/kg	2						
7440-22-4	Silver	E200.8	mg/kg	0.73						
7440-28-0	Thallium	E200.8	mg/kg	100000						
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548						
7440-66-6	Zinc	E200.8	mg/kg	124						
7439-97-6	Mercury	E245.5	mg/kg	0.13						
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6						
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357						
309-00-2	Aldrin	CPEST	ug/kg	2						
319-84-6	Alpha-Bhc	CPEST	ug/kg	3						
319-85-7	Beta-Bhc	CPEST	ug/kg	3						
319-86-8	Delta-Bhc	CPEST	ug/kg	3						
33213-65-9	Endosulfan II	CPEST	ug/kg	14						
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19						
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7						
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7						
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL						
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32						
60-57-1	Dieldrin	CPEST	ug/kg	0.72						
72-20-8	Endrin	CPEST	ug/kg	2.67						

				sys_loc_code:	SED53		SED54		SED55	
				loc_name:	Area-08		Area-08		Area-07	
				sys_sample_code:	RBS-SED53		RBS-SED54		RBS-SED55	
				depth:	0-3 in		0-3 in		0-3 in	
				sample_date:	09/16/2008		09/16/2008		09/16/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
72-43-5	Methoxychlor	CPEST	ug/kg	29.6						
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22						
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07						
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL						
76-44-8	Heptachlor	CPEST	ug/kg	68						
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1						
959-98-8	Endosulfan I	CPEST	ug/kg	2.9						
11096-82-5	Aroclor 1260	E608	ug/kg	21.6						
11097-69-1	Aroclor 1254	E608	ug/kg	23						
11100-14-4	Aroclor 1268	E608	ug/kg	21.6						
11104-28-2	Aroclor 1221	E608	ug/kg	21.6						
11141-16-5	Aroclor 1232	E608	ug/kg	21.6						
12672-29-6	Aroclor 1248	E608	ug/kg	21.6						
12674-11-2	Aroclor 1016	E608	ug/kg	21.6						
37324-23-5	Aroclor 1262	E608	ug/kg	21.6						
53469-21-9	Aroclor 1242	E608	ug/kg	21.6						
100-41-4	Ethylbenzene	E624	ug/kg	305						
100-42-5	Styrene	E624	ug/kg	7070						
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL						
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL						
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460						
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7						
107-06-2	1,2-Dichloroethane	E624	ug/kg	432						
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000						
108-87-2	Methylcyclohexane	E624	ug/kg	NL						
108-88-3	Toluene	E624	ug/kg	1090						
108-90-7	Chlorobenzene	E624	ug/kg	162						
110-82-7	Cyclohexane	E624	ug/kg	117000						
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473						
123-91-1	1,4-Dioxane	E624	ug/kg	44100						
124-48-1	Dibromochloromethane	E624	ug/kg	680						
127-18-4	Tetrachloroethene	E624	ug/kg	190						
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200						

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				sys_loc_code:	SED53		SED54		SED55	
				loc_name:	Area-08		Area-08		Area-07	
				sys_sample_code:	RBS-SED53		RBS-SED54		RBS-SED55	
				depth:	0-3 in		0-3 in		0-3 in	
				sample_date:	09/16/2008		09/16/2008		09/16/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300						
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300						
179601-23-1	m,p-Xylene	E624	ug/kg	NL						
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842						
56-23-5	Carbon tetrachloride	E624	ug/kg	248						
591-78-6	2-Hexanone	E624	ug/kg	20900						
67-64-1	Acetone	E624	ug/kg	6130000						
67-66-3	Chloroform	E624	ug/kg	295						
71-43-2	Benzene	E624	ug/kg	137						
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856						
74-83-9	Bromomethane	E624	ug/kg	732						
74-87-3	Chloromethane	E624	ug/kg	11900						
74-97-5	Bromochloromethane	E624	ug/kg	NL						
75-00-3	Chloroethane	E624	ug/kg	1450000						
75-01-4	Vinyl Chloride	E624	ug/kg	59.7						
75-09-2	Methylene chloride	E624	ug/kg	10700						
75-15-0	Carbon Disulfide	E624	ug/kg	0.851						
75-25-2	Bromoform	E624	ug/kg	1310						
75-27-4	Bromodichloromethane	E624	ug/kg	273						
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310						
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780						
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700						
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400						
76-13-1	1,1,2-Trichloro-1,2,2-trifluo	E624	ug/kg	910000						
78-87-5	1,2-Dichloropropane	E624	ug/kg	895						
78-93-3	2-Butanone	E624	ug/kg	2780000						
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570						
79-01-6	Trichloroethene	E624	ug/kg	1600						
79-20-9	Methyl Acetate	E624	ug/kg	7820000						
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202						
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858						
95-47-6	o-Xylene	E624	ug/kg	NL						
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989						

				sys_loc_code:	SED53		SED54		SED55	
				loc_name:	Area-08		Area-08		Area-07	
				sys_sample_code:	RBS-SED53		RBS-SED54		RBS-SED55	
				depth:	0-3 in		0-3 in		0-3 in	
				sample_date:	09/16/2008		09/16/2008		09/16/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
96-12-8	1,2-Dibromo-3-chloroprop	E624	ug/kg	5.35						
98-82-8	Isopropylbenzene	E624	ug/kg	86						
100-01-6	4-Nitroaniline	E625	ug/kg	24300						
100-02-7	4-Nitrophenol	E625	ug/kg	NL						
100-52-7	Benzaldehyde	E625	ug/kg	782000						
101-55-3	4-Bromophenyl Phenyl Eth	E625	ug/kg	1230						
105-60-2	Caprolactam	E625	ug/kg	3060000						
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29						
106-44-5	4-Methylphenol	E625	ug/kg	670						
106-47-8	4-Chloroaniline	E625	ug/kg	2430						
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570						
108-95-2	Phenol	E625	ug/kg	420						
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214						
111-91-1	Bis(2-Chloroethoxy) metha	E625	ug/kg	18300						
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182						
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL						
118-74-1	Hexachlorobenzene	E625	ug/kg	20						
120-12-7	Anthracene	E625	ug/kg	46.9						
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117						
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6						
129-00-0	Pyrene	E625	ug/kg	153						
131-11-3	Dimethylphthalate	E625	ug/kg	NL						
132-64-9	Dibenzofuran	E625	ug/kg	7300						
1912-24-9	Atrazine	E625	ug/kg	6.62						
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170						
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17						
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148						
206-44-0	Fluoranthene	E625	ug/kg	113						
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240						
208-96-8	Acenaphthylene	E625	ug/kg	5.87						
218-01-9	Chrysene	E625	ug/kg	108						
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8						
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200						

				sys_loc_code:	SED53		SED54		SED55	
				loc_name:	Area-08		Area-08		Area-07	
				sys_sample_code:	RBS-SED53		RBS-SED54		RBS-SED55	
				depth:	0-3 in		0-3 in		0-3 in	
				sample_date:	09/16/2008		09/16/2008		09/16/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
534-52-1	4,6-Dinitro-2-Methylpheno	E625	ug/kg	611						
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22						
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8						
58-90-2	Chlorophenols	E625	ug/kg	284						
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000						
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120						
621-64-7	N-Nitroso-Di-N-Propylamir	E625	ug/kg	69.4						
67-72-1	Hexachloroethane	E625	ug/kg	804						
7005-72-3	4-Chlorophenyl Phenyleth	E625	ug/kg	NL						
77-47-4	Hexachlorocyclopentadier	E625	ug/kg	139						
78-59-1	Isophorone	E625	ug/kg	511000						
83-32-9	Acenaphthene	E625	ug/kg	6.71						
84-66-2	Diethylphthalate	E625	ug/kg	218						
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160						
85-01-8	Phenanthrene	E625	ug/kg	86.7						
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800						
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100						
86-73-7	Fluorene	E625	ug/kg	19						
86-74-8	Carbazole	E625	ug/kg	NL						
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110						
87-86-5	Pentachlorophenol	E625	ug/kg	2970						
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650						
88-74-4	2-Nitroaniline	E625	ug/kg	60600						
88-75-5	2-Nitrophenol	E625	ug/kg	NL						
91-20-3	Naphthalene	E625	ug/kg	34.6						
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2						
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000						
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080						
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220						
95-48-7	2-Methylphenol	E625	ug/kg	306000						
95-57-8	2-Chlorophenol	E625	ug/kg	344						
95-94-3	1,2,4,5-Tetrachlorobenzer	E625	ug/kg	1830						
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819						

				sys_loc_code:	SED53		SED54		SED55	
				loc_name:	Area-08		Area-08		Area-07	
				sys_sample_code:	RBS-SED53		RBS-SED54		RBS-SED55	
				depth:	0-3 in		0-3 in		0-3 in	
				sample_date:	09/16/2008		09/16/2008		09/16/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
98-86-2	Acetophenone	E625	ug/kg	782000						
98-95-3	Nitrobenzene	E625	ug/kg	4790						
99-09-2	3-Nitroaniline	E625	ug/kg	NL						

					sys_loc_code:	SED56		SED57		SED58	
					loc_name:	Area-08		Area-08		Area-08	
					sys_sample_code:	RBS-SED56		RBS-SED57		RBS-SED58	
					depth:	0-3 in		0-3 in		0-3 in	
					sample_date:	09/15/2008		09/15/2008		09/15/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED							
7429-90-5	Aluminum	C200.7	mg/kg	7740		4720	J	5800		3230	
7440-36-0	Antimony	C200.7	mg/kg	2		21.1	J	33.6		9.4	J
7440-38-2	Arsenic	C200.7	mg/kg	0.389		41.8	J	44.7	J	16.2	J
7440-39-3	Barium	C200.7	mg/kg	130.1		22	J	32.3	J	16.7	J
7440-41-7	Beryllium	C200.7	mg/kg	15.6		4.8	UJ	0.96	U	0.83	U
7440-43-9	Cadmium	C200.7	mg/kg	0.68		4.8	R	1.3	R	0.83	R
7440-70-2	Calcium	C200.7	mg/kg	NL		7460	J	2720		1640	
7440-47-3	Chromium	C200.7	mg/kg	52.3		25.7	J	28		15.7	
7440-48-4	Cobalt	C200.7	mg/kg	2.34		48.1	UJ	9.6	U	8.3	U
7440-50-8	Copper	C200.7	mg/kg	18.7		178	J	138		53	
7439-89-6	Iron	C200.7	mg/kg	2000		26300	J	22000	J	12400	J
7439-92-1	Lead	C200.7	mg/kg	30.2		1770	J	2150		542	
7439-95-4	Magnesium	C200.7	mg/kg	NL		10500	J	2880		1720	
7439-96-5	Manganese	C200.7	mg/kg	183		355	J	138	J	70.9	J
7440-02-0	Nickel	C200.7	mg/kg	15.9		16.6	J	19.4	J	6.4	J
7440-09-7	Potassium	C200.7	mg/kg	NL		3870	J	1300		827	J
7782-49-2	Selenium	C200.7	mg/kg	2		33.6	UJ	6.7	UJ	5.8	UJ
7440-22-4	Silver	C200.7	mg/kg	0.73		2.7	J	1.2	J	0.39	J
7440-23-5	Sodium	C200.7	mg/kg	NL		60000	J	5650		4450	
7440-28-0	Thallium	C200.7	mg/kg	100000		24	UJ	4.8	UJ	4.2	UJ
7440-31-5	Tin	C200.7	mg/kg	NL		96.1	UJ	63		16.6	U
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548		53.2	J	32.5		19.8	
7440-66-6	Zinc	C200.7	mg/kg	124		215	J	218	J	94.5	J
7429-90-5	Aluminum	E200.7	mg/kg	7740							
7439-89-6	Iron	E200.7	mg/kg	2000							
7439-92-1	Lead	E200.7	mg/kg	30.2							
7439-95-4	Magnesium	E200.7	mg/kg	NL							
7439-96-5	Manganese	E200.7	mg/kg	183							
7440-09-7	Potassium	E200.7	mg/kg	NL							
7440-23-5	Sodium	E200.7	mg/kg	NL							
7440-36-0	Antimony	E200.7	mg/kg	2							
7440-38-2	Arsenic	E200.7	mg/kg	0.389							
7440-50-8	Copper	E200.7	mg/kg	18.7							

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				sys_loc_code:	SED56		SED57		SED58	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	RBS-SED56		RBS-SED57		RBS-SED58	
				depth:	0-3 in		0-3 in		0-3 in	
				sample_date:	09/15/2008		09/15/2008		09/15/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
7440-66-6	Zinc	E200.7	mg/kg	124						
7440-70-2	Calcium	E200.7	mg/kg	NL						
7440-36-0	Antimony	E200.8	mg/kg	2						
7440-38-2	Arsenic	E200.8	mg/kg	0.389						
7440-39-3	Barium	E200.8	mg/kg	130.1						
7440-41-7	Beryllium	E200.8	mg/kg	15.6						
7440-43-9	Cadmium	E200.8	mg/kg	0.68						
7440-47-3	Chromium	E200.8	mg/kg	52.3						
7440-48-4	Cobalt	E200.8	mg/kg	2.34						
7440-50-8	Copper	E200.8	mg/kg	18.7						
7439-92-1	Lead	E200.8	mg/kg	30.2						
7439-96-5	Manganese	E200.8	mg/kg	183						
7440-02-0	Nickel	E200.8	mg/kg	15.9						
7782-49-2	Selenium	E200.8	mg/kg	2						
7440-22-4	Silver	E200.8	mg/kg	0.73						
7440-28-0	Thallium	E200.8	mg/kg	100000						
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548						
7440-66-6	Zinc	E200.8	mg/kg	124						
7439-97-6	Mercury	E245.5	mg/kg	0.13						
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6						
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357						
309-00-2	Aldrin	CPEST	ug/kg	2						
319-84-6	Alpha-Bhc	CPEST	ug/kg	3						
319-85-7	Beta-Bhc	CPEST	ug/kg	3						
319-86-8	Delta-Bhc	CPEST	ug/kg	3						
33213-65-9	Endosulfan II	CPEST	ug/kg	14						
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19						
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7						
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7						
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL						
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32						
60-57-1	Dieldrin	CPEST	ug/kg	0.72						
72-20-8	Endrin	CPEST	ug/kg	2.67						

				sys_loc_code:	SED56		SED57		SED58	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	RBS-SED56		RBS-SED57		RBS-SED58	
				depth:	0-3 in		0-3 in		0-3 in	
				sample_date:	09/15/2008		09/15/2008		09/15/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
72-43-5	Methoxychlor	CPEST	ug/kg	29.6						
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22						
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07						
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL						
76-44-8	Heptachlor	CPEST	ug/kg	68						
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1						
959-98-8	Endosulfan I	CPEST	ug/kg	2.9						
11096-82-5	Aroclor 1260	E608	ug/kg	21.6						
11097-69-1	Aroclor 1254	E608	ug/kg	23						
11100-14-4	Aroclor 1268	E608	ug/kg	21.6						
11104-28-2	Aroclor 1221	E608	ug/kg	21.6						
11141-16-5	Aroclor 1232	E608	ug/kg	21.6						
12672-29-6	Aroclor 1248	E608	ug/kg	21.6						
12674-11-2	Aroclor 1016	E608	ug/kg	21.6						
37324-23-5	Aroclor 1262	E608	ug/kg	21.6						
53469-21-9	Aroclor 1242	E608	ug/kg	21.6						
100-41-4	Ethylbenzene	E624	ug/kg	305						
100-42-5	Styrene	E624	ug/kg	7070						
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL						
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL						
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460						
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7						
107-06-2	1,2-Dichloroethane	E624	ug/kg	432						
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000						
108-87-2	Methylcyclohexane	E624	ug/kg	NL						
108-88-3	Toluene	E624	ug/kg	1090						
108-90-7	Chlorobenzene	E624	ug/kg	162						
110-82-7	Cyclohexane	E624	ug/kg	117000						
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473						
123-91-1	1,4-Dioxane	E624	ug/kg	44100						
124-48-1	Dibromochloromethane	E624	ug/kg	680						
127-18-4	Tetrachloroethene	E624	ug/kg	190						
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200						

				sys_loc_code:	SED56		SED57		SED58	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	RBS-SED56		RBS-SED57		RBS-SED58	
				depth:	0-3 in		0-3 in		0-3 in	
				sample_date:	09/15/2008		09/15/2008		09/15/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300						
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300						
179601-23-1	m,p-Xylene	E624	ug/kg	NL						
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842						
56-23-5	Carbon tetrachloride	E624	ug/kg	248						
591-78-6	2-Hexanone	E624	ug/kg	20900						
67-64-1	Acetone	E624	ug/kg	6130000						
67-66-3	Chloroform	E624	ug/kg	295						
71-43-2	Benzene	E624	ug/kg	137						
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856						
74-83-9	Bromomethane	E624	ug/kg	732						
74-87-3	Chloromethane	E624	ug/kg	11900						
74-97-5	Bromochloromethane	E624	ug/kg	NL						
75-00-3	Chloroethane	E624	ug/kg	1450000						
75-01-4	Vinyl Chloride	E624	ug/kg	59.7						
75-09-2	Methylene chloride	E624	ug/kg	10700						
75-15-0	Carbon Disulfide	E624	ug/kg	0.851						
75-25-2	Bromoform	E624	ug/kg	1310						
75-27-4	Bromodichloromethane	E624	ug/kg	273						
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310						
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780						
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700						
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400						
76-13-1	1,1,2-Trichloro-1,2,2-trifluo	E624	ug/kg	910000						
78-87-5	1,2-Dichloropropane	E624	ug/kg	895						
78-93-3	2-Butanone	E624	ug/kg	2780000						
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570						
79-01-6	Trichloroethene	E624	ug/kg	1600						
79-20-9	Methyl Acetate	E624	ug/kg	7820000						
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202						
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858						
95-47-6	o-Xylene	E624	ug/kg	NL						
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989						

				sys_loc_code:	SED56		SED57		SED58	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	RBS-SED56		RBS-SED57		RBS-SED58	
				depth:	0-3 in		0-3 in		0-3 in	
				sample_date:	09/15/2008		09/15/2008		09/15/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
96-12-8	1,2-Dibromo-3-chloroprop	E624	ug/kg	5.35						
98-82-8	Isopropylbenzene	E624	ug/kg	86						
100-01-6	4-Nitroaniline	E625	ug/kg	24300						
100-02-7	4-Nitrophenol	E625	ug/kg	NL						
100-52-7	Benzaldehyde	E625	ug/kg	782000						
101-55-3	4-Bromophenyl Phenyl Eth	E625	ug/kg	1230						
105-60-2	Caprolactam	E625	ug/kg	3060000						
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29						
106-44-5	4-Methylphenol	E625	ug/kg	670						
106-47-8	4-Chloroaniline	E625	ug/kg	2430						
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570						
108-95-2	Phenol	E625	ug/kg	420						
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214						
111-91-1	Bis(2-Chloroethoxy) metha	E625	ug/kg	18300						
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182						
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL						
118-74-1	Hexachlorobenzene	E625	ug/kg	20						
120-12-7	Anthracene	E625	ug/kg	46.9						
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117						
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6						
129-00-0	Pyrene	E625	ug/kg	153						
131-11-3	Dimethylphthalate	E625	ug/kg	NL						
132-64-9	Dibenzofuran	E625	ug/kg	7300						
1912-24-9	Atrazine	E625	ug/kg	6.62						
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170						
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17						
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148						
206-44-0	Fluoranthene	E625	ug/kg	113						
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240						
208-96-8	Acenaphthylene	E625	ug/kg	5.87						
218-01-9	Chrysene	E625	ug/kg	108						
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8						
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200						

				sys_loc_code:	SED56		SED57		SED58	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	RBS-SED56		RBS-SED57		RBS-SED58	
				depth:	0-3 in		0-3 in		0-3 in	
				sample_date:	09/15/2008		09/15/2008		09/15/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
534-52-1	4,6-Dinitro-2-Methylpheno	E625	ug/kg	611						
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22						
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8						
58-90-2	Chlorophenols	E625	ug/kg	284						
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000						
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120						
621-64-7	N-Nitroso-Di-N-Propylamir	E625	ug/kg	69.4						
67-72-1	Hexachloroethane	E625	ug/kg	804						
7005-72-3	4-Chlorophenyl Phenyleth	E625	ug/kg	NL						
77-47-4	Hexachlorocyclopentadier	E625	ug/kg	139						
78-59-1	Isophorone	E625	ug/kg	511000						
83-32-9	Acenaphthene	E625	ug/kg	6.71						
84-66-2	Diethylphthalate	E625	ug/kg	218						
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160						
85-01-8	Phenanthrene	E625	ug/kg	86.7						
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800						
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100						
86-73-7	Fluorene	E625	ug/kg	19						
86-74-8	Carbazole	E625	ug/kg	NL						
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110						
87-86-5	Pentachlorophenol	E625	ug/kg	2970						
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650						
88-74-4	2-Nitroaniline	E625	ug/kg	60600						
88-75-5	2-Nitrophenol	E625	ug/kg	NL						
91-20-3	Naphthalene	E625	ug/kg	34.6						
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2						
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000						
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080						
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220						
95-48-7	2-Methylphenol	E625	ug/kg	306000						
95-57-8	2-Chlorophenol	E625	ug/kg	344						
95-94-3	1,2,4,5-Tetrachlorobenzer	E625	ug/kg	1830						
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819						

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				sys_loc_code:	SED56		SED57		SED58	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	RBS-SED56		RBS-SED57		RBS-SED58	
				depth:	0-3 in		0-3 in		0-3 in	
				sample_date:	09/15/2008		09/15/2008		09/15/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
98-86-2	Acetophenone	E625	ug/kg	782000						
98-95-3	Nitrobenzene	E625	ug/kg	4790						
99-09-2	3-Nitroaniline	E625	ug/kg	NL						

				sys_loc_code:	SED59		SED60		SED61		
				loc_name:	Area-08		Area-08		Area-08		
				sys_sample_code:	RBS-SED59		RBS-SED60		RBS-SED61		
				depth:	0-3 in		0-3 in		0-3 in		
				sample_date:	09/15/2008		09/15/2008		09/15/2008		
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED							
7429-90-5	Aluminum	C200.7	mg/kg	7740	5960	J	3070		2850		
7440-36-0	Antimony	C200.7	mg/kg	2	2.7	J	2.7	J	0.9	J	
7440-38-2	Arsenic	C200.7	mg/kg	0.389	12.6	J	7.5	J	4.2	J	
7440-39-3	Barium	C200.7	mg/kg	130.1	24.2	J	13.7	J	10.1	J	
7440-41-7	Beryllium	C200.7	mg/kg	15.6	1.1	UJ	0.88	U	0.83	U	
7440-43-9	Cadmium	C200.7	mg/kg	0.68	1.1	R	0.88	R	0.83	R	
7440-70-2	Calcium	C200.7	mg/kg	NL	3460	J	22800		949		
7440-47-3	Chromium	C200.7	mg/kg	52.3	25.5	J	14.1		13.3		
7440-48-4	Cobalt	C200.7	mg/kg	2.34	10.7	UJ	8.8	U	8.3	U	
7440-50-8	Copper	C200.7	mg/kg	18.7	60.8	J	34.4		30.7		
7439-89-6	Iron	C200.7	mg/kg	2000	17200	J	10400	J	9220	J	
7439-92-1	Lead	C200.7	mg/kg	30.2	251	J	197		90.1		
7439-95-4	Magnesium	C200.7	mg/kg	NL	3040	J	1640		1340		
7439-96-5	Manganese	C200.7	mg/kg	183	126	J	59.3	J	47.5	J	
7440-02-0	Nickel	C200.7	mg/kg	15.9	10.9	J	5.3	J	4.7	J	
7440-09-7	Potassium	C200.7	mg/kg	NL	1440	J	815	J	692	J	
7782-49-2	Selenium	C200.7	mg/kg	2	7.5	UJ	6.1	UJ	0.83	J	
7440-22-4	Silver	C200.7	mg/kg	0.73	0.74	J	0.5	J	0.38	J	
7440-23-5	Sodium	C200.7	mg/kg	NL	7970	J	5610		3870		
7440-28-0	Thallium	C200.7	mg/kg	100000	5.3	UJ	4.4	UJ	4.1	UJ	
7440-31-5	Tin	C200.7	mg/kg	NL	21.3	UJ	17.5	U	16.5	U	
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548	28	J	17.9		16.8		
7440-66-6	Zinc	C200.7	mg/kg	124	138	J	97.2	J	75	J	
7429-90-5	Aluminum	E200.7	mg/kg	7740							
7439-89-6	Iron	E200.7	mg/kg	2000							
7439-92-1	Lead	E200.7	mg/kg	30.2							
7439-95-4	Magnesium	E200.7	mg/kg	NL							
7439-96-5	Manganese	E200.7	mg/kg	183							
7440-09-7	Potassium	E200.7	mg/kg	NL							
7440-23-5	Sodium	E200.7	mg/kg	NL							
7440-36-0	Antimony	E200.7	mg/kg	2							
7440-38-2	Arsenic	E200.7	mg/kg	0.389							
7440-50-8	Copper	E200.7	mg/kg	18.7							

				sys_loc_code:	SED59		SED60		SED61	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	RBS-SED59		RBS-SED60		RBS-SED61	
				depth:	0-3 in		0-3 in		0-3 in	
				sample_date:	09/15/2008		09/15/2008		09/15/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
7440-66-6	Zinc	E200.7	mg/kg	124						
7440-70-2	Calcium	E200.7	mg/kg	NL						
7440-36-0	Antimony	E200.8	mg/kg	2						
7440-38-2	Arsenic	E200.8	mg/kg	0.389						
7440-39-3	Barium	E200.8	mg/kg	130.1						
7440-41-7	Beryllium	E200.8	mg/kg	15.6						
7440-43-9	Cadmium	E200.8	mg/kg	0.68						
7440-47-3	Chromium	E200.8	mg/kg	52.3						
7440-48-4	Cobalt	E200.8	mg/kg	2.34						
7440-50-8	Copper	E200.8	mg/kg	18.7						
7439-92-1	Lead	E200.8	mg/kg	30.2						
7439-96-5	Manganese	E200.8	mg/kg	183						
7440-02-0	Nickel	E200.8	mg/kg	15.9						
7782-49-2	Selenium	E200.8	mg/kg	2						
7440-22-4	Silver	E200.8	mg/kg	0.73						
7440-28-0	Thallium	E200.8	mg/kg	100000						
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548						
7440-66-6	Zinc	E200.8	mg/kg	124						
7439-97-6	Mercury	E245.5	mg/kg	0.13						
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6						
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357						
309-00-2	Aldrin	CPEST	ug/kg	2						
319-84-6	Alpha-Bhc	CPEST	ug/kg	3						
319-85-7	Beta-Bhc	CPEST	ug/kg	3						
319-86-8	Delta-Bhc	CPEST	ug/kg	3						
33213-65-9	Endosulfan II	CPEST	ug/kg	14						
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19						
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7						
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7						
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL						
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32						
60-57-1	Dieldrin	CPEST	ug/kg	0.72						
72-20-8	Endrin	CPEST	ug/kg	2.67						

				sys_loc_code:	SED59		SED60		SED61	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	RBS-SED59		RBS-SED60		RBS-SED61	
				depth:	0-3 in		0-3 in		0-3 in	
				sample_date:	09/15/2008		09/15/2008		09/15/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
72-43-5	Methoxychlor	CPEST	ug/kg	29.6						
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22						
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07						
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL						
76-44-8	Heptachlor	CPEST	ug/kg	68						
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1						
959-98-8	Endosulfan I	CPEST	ug/kg	2.9						
11096-82-5	Aroclor 1260	E608	ug/kg	21.6						
11097-69-1	Aroclor 1254	E608	ug/kg	23						
11100-14-4	Aroclor 1268	E608	ug/kg	21.6						
11104-28-2	Aroclor 1221	E608	ug/kg	21.6						
11141-16-5	Aroclor 1232	E608	ug/kg	21.6						
12672-29-6	Aroclor 1248	E608	ug/kg	21.6						
12674-11-2	Aroclor 1016	E608	ug/kg	21.6						
37324-23-5	Aroclor 1262	E608	ug/kg	21.6						
53469-21-9	Aroclor 1242	E608	ug/kg	21.6						
100-41-4	Ethylbenzene	E624	ug/kg	305						
100-42-5	Styrene	E624	ug/kg	7070						
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL						
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL						
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460						
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7						
107-06-2	1,2-Dichloroethane	E624	ug/kg	432						
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000						
108-87-2	Methylcyclohexane	E624	ug/kg	NL						
108-88-3	Toluene	E624	ug/kg	1090						
108-90-7	Chlorobenzene	E624	ug/kg	162						
110-82-7	Cyclohexane	E624	ug/kg	117000						
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473						
123-91-1	1,4-Dioxane	E624	ug/kg	44100						
124-48-1	Dibromochloromethane	E624	ug/kg	680						
127-18-4	Tetrachloroethene	E624	ug/kg	190						
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200						

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				sys_loc_code:	SED59		SED60		SED61	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	RBS-SED59		RBS-SED60		RBS-SED61	
				depth:	0-3 in		0-3 in		0-3 in	
				sample_date:	09/15/2008		09/15/2008		09/15/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300						
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300						
179601-23-1	m,p-Xylene	E624	ug/kg	NL						
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842						
56-23-5	Carbon tetrachloride	E624	ug/kg	248						
591-78-6	2-Hexanone	E624	ug/kg	20900						
67-64-1	Acetone	E624	ug/kg	6130000						
67-66-3	Chloroform	E624	ug/kg	295						
71-43-2	Benzene	E624	ug/kg	137						
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856						
74-83-9	Bromomethane	E624	ug/kg	732						
74-87-3	Chloromethane	E624	ug/kg	11900						
74-97-5	Bromochloromethane	E624	ug/kg	NL						
75-00-3	Chloroethane	E624	ug/kg	1450000						
75-01-4	Vinyl Chloride	E624	ug/kg	59.7						
75-09-2	Methylene chloride	E624	ug/kg	10700						
75-15-0	Carbon Disulfide	E624	ug/kg	0.851						
75-25-2	Bromoform	E624	ug/kg	1310						
75-27-4	Bromodichloromethane	E624	ug/kg	273						
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310						
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780						
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700						
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400						
76-13-1	1,1,2-Trichloro-1,2,2-triflud	E624	ug/kg	910000						
78-87-5	1,2-Dichloropropane	E624	ug/kg	895						
78-93-3	2-Butanone	E624	ug/kg	2780000						
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570						
79-01-6	Trichloroethene	E624	ug/kg	1600						
79-20-9	Methyl Acetate	E624	ug/kg	7820000						
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202						
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858						
95-47-6	o-Xylene	E624	ug/kg	NL						
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989						

				sys_loc_code:	SED59		SED60		SED61	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	RBS-SED59		RBS-SED60		RBS-SED61	
				depth:	0-3 in		0-3 in		0-3 in	
				sample_date:	09/15/2008		09/15/2008		09/15/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
96-12-8	1,2-Dibromo-3-chloroprop	E624	ug/kg	5.35						
98-82-8	Isopropylbenzene	E624	ug/kg	86						
100-01-6	4-Nitroaniline	E625	ug/kg	24300						
100-02-7	4-Nitrophenol	E625	ug/kg	NL						
100-52-7	Benzaldehyde	E625	ug/kg	782000						
101-55-3	4-Bromophenyl Phenyl Eth	E625	ug/kg	1230						
105-60-2	Caprolactam	E625	ug/kg	3060000						
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29						
106-44-5	4-Methylphenol	E625	ug/kg	670						
106-47-8	4-Chloroaniline	E625	ug/kg	2430						
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570						
108-95-2	Phenol	E625	ug/kg	420						
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214						
111-91-1	Bis(2-Chloroethoxy) metha	E625	ug/kg	18300						
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182						
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL						
118-74-1	Hexachlorobenzene	E625	ug/kg	20						
120-12-7	Anthracene	E625	ug/kg	46.9						
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117						
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6						
129-00-0	Pyrene	E625	ug/kg	153						
131-11-3	Dimethylphthalate	E625	ug/kg	NL						
132-64-9	Dibenzofuran	E625	ug/kg	7300						
1912-24-9	Atrazine	E625	ug/kg	6.62						
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170						
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17						
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148						
206-44-0	Fluoranthene	E625	ug/kg	113						
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240						
208-96-8	Acenaphthylene	E625	ug/kg	5.87						
218-01-9	Chrysene	E625	ug/kg	108						
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8						
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200						

				sys_loc_code:	SED59		SED60		SED61	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	RBS-SED59		RBS-SED60		RBS-SED61	
				depth:	0-3 in		0-3 in		0-3 in	
				sample_date:	09/15/2008		09/15/2008		09/15/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
534-52-1	4,6-Dinitro-2-Methylpheno	E625	ug/kg	611						
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22						
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8						
58-90-2	Chlorophenols	E625	ug/kg	284						
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000						
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120						
621-64-7	N-Nitroso-Di-N-Propylamir	E625	ug/kg	69.4						
67-72-1	Hexachloroethane	E625	ug/kg	804						
7005-72-3	4-Chlorophenyl Phenyleth	E625	ug/kg	NL						
77-47-4	Hexachlorocyclopentadier	E625	ug/kg	139						
78-59-1	Isophorone	E625	ug/kg	511000						
83-32-9	Acenaphthene	E625	ug/kg	6.71						
84-66-2	Diethylphthalate	E625	ug/kg	218						
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160						
85-01-8	Phenanthrene	E625	ug/kg	86.7						
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800						
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100						
86-73-7	Fluorene	E625	ug/kg	19						
86-74-8	Carbazole	E625	ug/kg	NL						
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110						
87-86-5	Pentachlorophenol	E625	ug/kg	2970						
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650						
88-74-4	2-Nitroaniline	E625	ug/kg	60600						
88-75-5	2-Nitrophenol	E625	ug/kg	NL						
91-20-3	Naphthalene	E625	ug/kg	34.6						
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2						
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000						
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080						
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220						
95-48-7	2-Methylphenol	E625	ug/kg	306000						
95-57-8	2-Chlorophenol	E625	ug/kg	344						
95-94-3	1,2,4,5-Tetrachlorobenzer	E625	ug/kg	1830						
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819						

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				sys_loc_code:	SED59		SED60		SED61	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	RBS-SED59		RBS-SED60		RBS-SED61	
				depth:	0-3 in		0-3 in		0-3 in	
				sample_date:	09/15/2008		09/15/2008		09/15/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
98-86-2	Acetophenone	E625	ug/kg	782000						
98-95-3	Nitrobenzene	E625	ug/kg	4790						
99-09-2	3-Nitroaniline	E625	ug/kg	NL						

				sys_loc_code:	SED61		SED63		SED64		
				loc_name:	Area-08		Area-08		Area-08		
				sys_sample_code:	RBS-SED62		RBS-SED63		RBS-SED64		
				depth:	0-3 in		0-3 in		0-3 in		
				sample_date:	09/15/2008		09/15/2008		09/15/2008		
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED							
7429-90-5	Aluminum	C200.7	mg/kg	7740	2740		2650		2970		
7440-36-0	Antimony	C200.7	mg/kg	2	1.1	J	0.77	J	0.92	J	
7440-38-2	Arsenic	C200.7	mg/kg	0.389	4.1	J	5.1	J	7.7	J	
7440-39-3	Barium	C200.7	mg/kg	130.1	8.9	J	5.9	J	5.8	J	
7440-41-7	Beryllium	C200.7	mg/kg	15.6	0.78	U	0.68	U	0.68	U	
7440-43-9	Cadmium	C200.7	mg/kg	0.68	0.78	R	0.68	R	0.68	R	
7440-70-2	Calcium	C200.7	mg/kg	NL	1080		2620		1750		
7440-47-3	Chromium	C200.7	mg/kg	52.3	13		12.2		23.9		
7440-48-4	Cobalt	C200.7	mg/kg	2.34	7.8	U	6.8	U	6.8	U	
7440-50-8	Copper	C200.7	mg/kg	18.7	28.4		18		20.5		
7439-89-6	Iron	C200.7	mg/kg	2000	9430	J	17600	J	24700	J	
7439-92-1	Lead	C200.7	mg/kg	30.2	80.1		36.3		29.6		
7439-95-4	Magnesium	C200.7	mg/kg	NL	1290		1090		1030		
7439-96-5	Manganese	C200.7	mg/kg	183	46.6	J	31.4	J	49.6	J	
7440-02-0	Nickel	C200.7	mg/kg	15.9	4.5	J	3.1	J	6.2	J	
7440-09-7	Potassium	C200.7	mg/kg	NL	665	J	466	J	557	J	
7782-49-2	Selenium	C200.7	mg/kg	2	0.73	J	0.79	J	0.92	J	
7440-22-4	Silver	C200.7	mg/kg	0.73	0.34	J	0.2	J	0.32	J	
7440-23-5	Sodium	C200.7	mg/kg	NL	3770		2950		3030		
7440-28-0	Thallium	C200.7	mg/kg	100000	3.9	UJ	3.4	UJ	3.4	UJ	
7440-31-5	Tin	C200.7	mg/kg	NL	15.6	U	13.5	U	13.7	U	
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548	17.8		28.5		36.5		
7440-66-6	Zinc	C200.7	mg/kg	124	70.3	J	54.8	J	89	J	
7429-90-5	Aluminum	E200.7	mg/kg	7740							
7439-89-6	Iron	E200.7	mg/kg	2000							
7439-92-1	Lead	E200.7	mg/kg	30.2							
7439-95-4	Magnesium	E200.7	mg/kg	NL							
7439-96-5	Manganese	E200.7	mg/kg	183							
7440-09-7	Potassium	E200.7	mg/kg	NL							
7440-23-5	Sodium	E200.7	mg/kg	NL							
7440-36-0	Antimony	E200.7	mg/kg	2							
7440-38-2	Arsenic	E200.7	mg/kg	0.389							
7440-50-8	Copper	E200.7	mg/kg	18.7							

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				sys_loc_code:	SED61		SED63		SED64		
				loc_name:	Area-08		Area-08		Area-08		
				sys_sample_code:	RBS-SED62		RBS-SED63		RBS-SED64		
				depth:	0-3 in		0-3 in		0-3 in		
				sample_date:	09/15/2008		09/15/2008		09/15/2008		
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED							
7440-66-6	Zinc	E200.7	mg/kg	124							
7440-70-2	Calcium	E200.7	mg/kg	NL							
7440-36-0	Antimony	E200.8	mg/kg	2							
7440-38-2	Arsenic	E200.8	mg/kg	0.389							
7440-39-3	Barium	E200.8	mg/kg	130.1							
7440-41-7	Beryllium	E200.8	mg/kg	15.6							
7440-43-9	Cadmium	E200.8	mg/kg	0.68							
7440-47-3	Chromium	E200.8	mg/kg	52.3							
7440-48-4	Cobalt	E200.8	mg/kg	2.34							
7440-50-8	Copper	E200.8	mg/kg	18.7							
7439-92-1	Lead	E200.8	mg/kg	30.2							
7439-96-5	Manganese	E200.8	mg/kg	183							
7440-02-0	Nickel	E200.8	mg/kg	15.9							
7782-49-2	Selenium	E200.8	mg/kg	2							
7440-22-4	Silver	E200.8	mg/kg	0.73							
7440-28-0	Thallium	E200.8	mg/kg	100000							
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548							
7440-66-6	Zinc	E200.8	mg/kg	124							
7439-97-6	Mercury	E245.5	mg/kg	0.13							
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6							
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357							
309-00-2	Aldrin	CPEST	ug/kg	2							
319-84-6	Alpha-Bhc	CPEST	ug/kg	3							
319-85-7	Beta-Bhc	CPEST	ug/kg	3							
319-86-8	Delta-Bhc	CPEST	ug/kg	3							
33213-65-9	Endosulfan II	CPEST	ug/kg	14							
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19							
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7							
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7							
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL							
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32							
60-57-1	Dieldrin	CPEST	ug/kg	0.72							
72-20-8	Endrin	CPEST	ug/kg	2.67							

				sys_loc_code:	SED61		SED63		SED64	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	RBS-SED62		RBS-SED63		RBS-SED64	
				depth:	0-3 in		0-3 in		0-3 in	
				sample_date:	09/15/2008		09/15/2008		09/15/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
72-43-5	Methoxychlor	CPEST	ug/kg	29.6						
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22						
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07						
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL						
76-44-8	Heptachlor	CPEST	ug/kg	68						
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1						
959-98-8	Endosulfan I	CPEST	ug/kg	2.9						
11096-82-5	Aroclor 1260	E608	ug/kg	21.6						
11097-69-1	Aroclor 1254	E608	ug/kg	23						
11100-14-4	Aroclor 1268	E608	ug/kg	21.6						
11104-28-2	Aroclor 1221	E608	ug/kg	21.6						
11141-16-5	Aroclor 1232	E608	ug/kg	21.6						
12672-29-6	Aroclor 1248	E608	ug/kg	21.6						
12674-11-2	Aroclor 1016	E608	ug/kg	21.6						
37324-23-5	Aroclor 1262	E608	ug/kg	21.6						
53469-21-9	Aroclor 1242	E608	ug/kg	21.6						
100-41-4	Ethylbenzene	E624	ug/kg	305						
100-42-5	Styrene	E624	ug/kg	7070						
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL						
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL						
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460						
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7						
107-06-2	1,2-Dichloroethane	E624	ug/kg	432						
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000						
108-87-2	Methylcyclohexane	E624	ug/kg	NL						
108-88-3	Toluene	E624	ug/kg	1090						
108-90-7	Chlorobenzene	E624	ug/kg	162						
110-82-7	Cyclohexane	E624	ug/kg	117000						
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473						
123-91-1	1,4-Dioxane	E624	ug/kg	44100						
124-48-1	Dibromochloromethane	E624	ug/kg	680						
127-18-4	Tetrachloroethene	E624	ug/kg	190						
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200						

				sys_loc_code:	SED61		SED63		SED64	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	RBS-SED62		RBS-SED63		RBS-SED64	
				depth:	0-3 in		0-3 in		0-3 in	
				sample_date:	09/15/2008		09/15/2008		09/15/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300						
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300						
179601-23-1	m,p-Xylene	E624	ug/kg	NL						
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842						
56-23-5	Carbon tetrachloride	E624	ug/kg	248						
591-78-6	2-Hexanone	E624	ug/kg	20900						
67-64-1	Acetone	E624	ug/kg	6130000						
67-66-3	Chloroform	E624	ug/kg	295						
71-43-2	Benzene	E624	ug/kg	137						
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856						
74-83-9	Bromomethane	E624	ug/kg	732						
74-87-3	Chloromethane	E624	ug/kg	11900						
74-97-5	Bromochloromethane	E624	ug/kg	NL						
75-00-3	Chloroethane	E624	ug/kg	1450000						
75-01-4	Vinyl Chloride	E624	ug/kg	59.7						
75-09-2	Methylene chloride	E624	ug/kg	10700						
75-15-0	Carbon Disulfide	E624	ug/kg	0.851						
75-25-2	Bromoform	E624	ug/kg	1310						
75-27-4	Bromodichloromethane	E624	ug/kg	273						
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310						
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780						
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700						
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400						
76-13-1	1,1,2-Trichloro-1,2,2-triflu	E624	ug/kg	910000						
78-87-5	1,2-Dichloropropane	E624	ug/kg	895						
78-93-3	2-Butanone	E624	ug/kg	2780000						
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570						
79-01-6	Trichloroethene	E624	ug/kg	1600						
79-20-9	Methyl Acetate	E624	ug/kg	7820000						
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202						
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858						
95-47-6	o-Xylene	E624	ug/kg	NL						
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989						

				sys_loc_code:	SED61		SED63		SED64	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	RBS-SED62		RBS-SED63		RBS-SED64	
				depth:	0-3 in		0-3 in		0-3 in	
				sample_date:	09/15/2008		09/15/2008		09/15/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
96-12-8	1,2-Dibromo-3-chloroprop	E624	ug/kg	5.35						
98-82-8	Isopropylbenzene	E624	ug/kg	86						
100-01-6	4-Nitroaniline	E625	ug/kg	24300						
100-02-7	4-Nitrophenol	E625	ug/kg	NL						
100-52-7	Benzaldehyde	E625	ug/kg	782000						
101-55-3	4-Bromophenyl Phenyl Eth	E625	ug/kg	1230						
105-60-2	Caprolactam	E625	ug/kg	3060000						
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29						
106-44-5	4-Methylphenol	E625	ug/kg	670						
106-47-8	4-Chloroaniline	E625	ug/kg	2430						
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570						
108-95-2	Phenol	E625	ug/kg	420						
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214						
111-91-1	Bis(2-Chloroethoxy) metha	E625	ug/kg	18300						
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182						
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL						
118-74-1	Hexachlorobenzene	E625	ug/kg	20						
120-12-7	Anthracene	E625	ug/kg	46.9						
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117						
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6						
129-00-0	Pyrene	E625	ug/kg	153						
131-11-3	Dimethylphthalate	E625	ug/kg	NL						
132-64-9	Dibenzofuran	E625	ug/kg	7300						
1912-24-9	Atrazine	E625	ug/kg	6.62						
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170						
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17						
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148						
206-44-0	Fluoranthene	E625	ug/kg	113						
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240						
208-96-8	Acenaphthylene	E625	ug/kg	5.87						
218-01-9	Chrysene	E625	ug/kg	108						
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8						
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200						

				sys_loc_code:	SED61		SED63		SED64	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	RBS-SED62		RBS-SED63		RBS-SED64	
				depth:	0-3 in		0-3 in		0-3 in	
				sample_date:	09/15/2008		09/15/2008		09/15/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
534-52-1	4,6-Dinitro-2-Methylpheno	E625	ug/kg	611						
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22						
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8						
58-90-2	Chlorophenols	E625	ug/kg	284						
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000						
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120						
621-64-7	N-Nitroso-Di-N-Propylamir	E625	ug/kg	69.4						
67-72-1	Hexachloroethane	E625	ug/kg	804						
7005-72-3	4-Chlorophenyl Phenyleth	E625	ug/kg	NL						
77-47-4	Hexachlorocyclopentadier	E625	ug/kg	139						
78-59-1	Isophorone	E625	ug/kg	511000						
83-32-9	Acenaphthene	E625	ug/kg	6.71						
84-66-2	Diethylphthalate	E625	ug/kg	218						
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160						
85-01-8	Phenanthrene	E625	ug/kg	86.7						
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800						
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100						
86-73-7	Fluorene	E625	ug/kg	19						
86-74-8	Carbazole	E625	ug/kg	NL						
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110						
87-86-5	Pentachlorophenol	E625	ug/kg	2970						
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650						
88-74-4	2-Nitroaniline	E625	ug/kg	60600						
88-75-5	2-Nitrophenol	E625	ug/kg	NL						
91-20-3	Naphthalene	E625	ug/kg	34.6						
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2						
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000						
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080						
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220						
95-48-7	2-Methylphenol	E625	ug/kg	306000						
95-57-8	2-Chlorophenol	E625	ug/kg	344						
95-94-3	1,2,4,5-Tetrachlorobenzer	E625	ug/kg	1830						
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819						

				sys_loc_code:	SED61		SED63		SED64	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	RBS-SED62		RBS-SED63		RBS-SED64	
				depth:	0-3 in		0-3 in		0-3 in	
				sample_date:	09/15/2008		09/15/2008		09/15/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
98-86-2	Acetophenone	E625	ug/kg	782000						
98-95-3	Nitrobenzene	E625	ug/kg	4790						
99-09-2	3-Nitroaniline	E625	ug/kg	NL						

					sys_loc_code:	SED89		SED90		C1	
					loc_name:	Area-08		Area-08		Area-08	
					sys_sample_code:	RBS-SED89		RBS-SED90		C1 0-6	
					depth:	0-3 in		0-3 in		0-6 in	
					sample_date:	09/16/2008		09/16/2008		07/09/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED							
7429-90-5	Aluminum	C200.7	mg/kg	7740		9410	J	7660	J		
7440-36-0	Antimony	C200.7	mg/kg	2		3270		1720			
7440-38-2	Arsenic	C200.7	mg/kg	0.389		2100	J	933	J		
7440-39-3	Barium	C200.7	mg/kg	130.1		1340	J	1090	J		
7440-41-7	Beryllium	C200.7	mg/kg	15.6		0.64	U	0.62	U		
7440-43-9	Cadmium	C200.7	mg/kg	0.68		11.9		22.1			
7440-70-2	Calcium	C200.7	mg/kg	NL		14000		8550			
7440-47-3	Chromium	C200.7	mg/kg	52.3		55.5	J	3500			
7440-48-4	Cobalt	C200.7	mg/kg	2.34		20.2		22.3			
7440-50-8	Copper	C200.7	mg/kg	18.7		2050	J	969	J		
7439-89-6	Iron	C200.7	mg/kg	2000		154000		120000			
7439-92-1	Lead	C200.7	mg/kg	30.2		89200	R	42200	R		
7439-95-4	Magnesium	C200.7	mg/kg	NL		3150		2640			
7439-96-5	Manganese	C200.7	mg/kg	183		1250		1710			
7440-02-0	Nickel	C200.7	mg/kg	15.9		88.8	J	1500			
7440-09-7	Potassium	C200.7	mg/kg	NL		1250		1130			
7782-49-2	Selenium	C200.7	mg/kg	2		0.86	J	4.4	U		
7440-22-4	Silver	C200.7	mg/kg	0.73		2.4		0.93	J		
7440-23-5	Sodium	C200.7	mg/kg	NL		7230		5720			
7440-28-0	Thallium	C200.7	mg/kg	100000		3.2	U	3.1	U		
7440-31-5	Tin	C200.7	mg/kg	NL		1980	J	1480	J		
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548		63.8		73.4			
7440-66-6	Zinc	C200.7	mg/kg	124		1380		1300			
7429-90-5	Aluminum	E200.7	mg/kg	7740						2180	
7439-89-6	Iron	E200.7	mg/kg	2000						10500	J
7439-92-1	Lead	E200.7	mg/kg	30.2						438	J
7439-95-4	Magnesium	E200.7	mg/kg	NL						1230	J
7439-96-5	Manganese	E200.7	mg/kg	183						55.5	
7440-09-7	Potassium	E200.7	mg/kg	NL						546	J
7440-23-5	Sodium	E200.7	mg/kg	NL						2940	J
7440-36-0	Antimony	E200.7	mg/kg	2							
7440-38-2	Arsenic	E200.7	mg/kg	0.389						11.4	J
7440-50-8	Copper	E200.7	mg/kg	18.7						41	J

				sys_loc_code:	SED89		SED90		C1	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	RBS-SED89		RBS-SED90		C1 0-6	
				depth:	0-3 in		0-3 in		0-6 in	
				sample_date:	09/16/2008		09/16/2008		07/09/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
7440-66-6	Zinc	E200.7	mg/kg	124					81.6	J
7440-70-2	Calcium	E200.7	mg/kg	NL					13500	
7440-36-0	Antimony	E200.8	mg/kg	2					15.6	
7440-38-2	Arsenic	E200.8	mg/kg	0.389						
7440-39-3	Barium	E200.8	mg/kg	130.1					11.4	
7440-41-7	Beryllium	E200.8	mg/kg	15.6					0.36	
7440-43-9	Cadmium	E200.8	mg/kg	0.68					0.45	
7440-47-3	Chromium	E200.8	mg/kg	52.3					14.1	J
7440-48-4	Cobalt	E200.8	mg/kg	2.34					2.4	J
7440-50-8	Copper	E200.8	mg/kg	18.7						
7439-92-1	Lead	E200.8	mg/kg	30.2						
7439-96-5	Manganese	E200.8	mg/kg	183						
7440-02-0	Nickel	E200.8	mg/kg	15.9					5.8	J
7782-49-2	Selenium	E200.8	mg/kg	2					0.51	J
7440-22-4	Silver	E200.8	mg/kg	0.73					0.44	J
7440-28-0	Thallium	E200.8	mg/kg	100000					0.67	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548					17.2	J
7440-66-6	Zinc	E200.8	mg/kg	124						
7439-97-6	Mercury	E245.5	mg/kg	0.13					0.25	
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6						
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357						
309-00-2	Aldrin	CPEST	ug/kg	2						
319-84-6	Alpha-Bhc	CPEST	ug/kg	3						
319-85-7	Beta-Bhc	CPEST	ug/kg	3						
319-86-8	Delta-Bhc	CPEST	ug/kg	3						
33213-65-9	Endosulfan II	CPEST	ug/kg	14						
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19						
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7						
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7						
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL						
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32						
60-57-1	Dieldrin	CPEST	ug/kg	0.72						
72-20-8	Endrin	CPEST	ug/kg	2.67						

				sys_loc_code:	SED89		SED90		C1	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	RBS-SED89		RBS-SED90		C1 0-6	
				depth:	0-3 in		0-3 in		0-6 in	
				sample_date:	09/16/2008		09/16/2008		07/09/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
72-43-5	Methoxychlor	CPEST	ug/kg	29.6						
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22						
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07						
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL						
76-44-8	Heptachlor	CPEST	ug/kg	68						
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1						
959-98-8	Endosulfan I	CPEST	ug/kg	2.9						
11096-82-5	Aroclor 1260	E608	ug/kg	21.6						
11097-69-1	Aroclor 1254	E608	ug/kg	23						
11100-14-4	Aroclor 1268	E608	ug/kg	21.6						
11104-28-2	Aroclor 1221	E608	ug/kg	21.6						
11141-16-5	Aroclor 1232	E608	ug/kg	21.6						
12672-29-6	Aroclor 1248	E608	ug/kg	21.6						
12674-11-2	Aroclor 1016	E608	ug/kg	21.6						
37324-23-5	Aroclor 1262	E608	ug/kg	21.6						
53469-21-9	Aroclor 1242	E608	ug/kg	21.6						
100-41-4	Ethylbenzene	E624	ug/kg	305						
100-42-5	Styrene	E624	ug/kg	7070						
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL						
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL						
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460						
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7						
107-06-2	1,2-Dichloroethane	E624	ug/kg	432						
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000						
108-87-2	Methylcyclohexane	E624	ug/kg	NL						
108-88-3	Toluene	E624	ug/kg	1090						
108-90-7	Chlorobenzene	E624	ug/kg	162						
110-82-7	Cyclohexane	E624	ug/kg	117000						
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473						
123-91-1	1,4-Dioxane	E624	ug/kg	44100						
124-48-1	Dibromochloromethane	E624	ug/kg	680						
127-18-4	Tetrachloroethene	E624	ug/kg	190						
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200						

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				sys_loc_code:	SED89		SED90		C1	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	RBS-SED89		RBS-SED90		C1 0-6	
				depth:	0-3 in		0-3 in		0-6 in	
				sample_date:	09/16/2008		09/16/2008		07/09/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300						
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300						
179601-23-1	m,p-Xylene	E624	ug/kg	NL						
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842						
56-23-5	Carbon tetrachloride	E624	ug/kg	248						
591-78-6	2-Hexanone	E624	ug/kg	20900						
67-64-1	Acetone	E624	ug/kg	6130000						
67-66-3	Chloroform	E624	ug/kg	295						
71-43-2	Benzene	E624	ug/kg	137						
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856						
74-83-9	Bromomethane	E624	ug/kg	732						
74-87-3	Chloromethane	E624	ug/kg	11900						
74-97-5	Bromochloromethane	E624	ug/kg	NL						
75-00-3	Chloroethane	E624	ug/kg	1450000						
75-01-4	Vinyl Chloride	E624	ug/kg	59.7						
75-09-2	Methylene chloride	E624	ug/kg	10700						
75-15-0	Carbon Disulfide	E624	ug/kg	0.851						
75-25-2	Bromoform	E624	ug/kg	1310						
75-27-4	Bromodichloromethane	E624	ug/kg	273						
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310						
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780						
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700						
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400						
76-13-1	1,1,2-Trichloro-1,2,2-triflud	E624	ug/kg	910000						
78-87-5	1,2-Dichloropropane	E624	ug/kg	895						
78-93-3	2-Butanone	E624	ug/kg	2780000						
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570						
79-01-6	Trichloroethene	E624	ug/kg	1600						
79-20-9	Methyl Acetate	E624	ug/kg	7820000						
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202						
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858						
95-47-6	o-Xylene	E624	ug/kg	NL						
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989						

				sys_loc_code:	SED89		SED90		C1	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	RBS-SED89		RBS-SED90		C1 0-6	
				depth:	0-3 in		0-3 in		0-6 in	
				sample_date:	09/16/2008		09/16/2008		07/09/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
96-12-8	1,2-Dibromo-3-chloroprop	E624	ug/kg	5.35						
98-82-8	Isopropylbenzene	E624	ug/kg	86						
100-01-6	4-Nitroaniline	E625	ug/kg	24300						
100-02-7	4-Nitrophenol	E625	ug/kg	NL						
100-52-7	Benzaldehyde	E625	ug/kg	782000						
101-55-3	4-Bromophenyl Phenyl Eth	E625	ug/kg	1230						
105-60-2	Caprolactam	E625	ug/kg	3060000						
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29						
106-44-5	4-Methylphenol	E625	ug/kg	670						
106-47-8	4-Chloroaniline	E625	ug/kg	2430						
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570						
108-95-2	Phenol	E625	ug/kg	420						
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214						
111-91-1	Bis(2-Chloroethoxy) metha	E625	ug/kg	18300						
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182						
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL						
118-74-1	Hexachlorobenzene	E625	ug/kg	20						
120-12-7	Anthracene	E625	ug/kg	46.9						
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117						
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6						
129-00-0	Pyrene	E625	ug/kg	153						
131-11-3	Dimethylphthalate	E625	ug/kg	NL						
132-64-9	Dibenzofuran	E625	ug/kg	7300						
1912-24-9	Atrazine	E625	ug/kg	6.62						
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170						
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17						
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148						
206-44-0	Fluoranthene	E625	ug/kg	113						
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240						
208-96-8	Acenaphthylene	E625	ug/kg	5.87						
218-01-9	Chrysene	E625	ug/kg	108						
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8						
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200						

				sys_loc_code:	SED89		SED90		C1	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	RBS-SED89		RBS-SED90		C1 0-6	
				depth:	0-3 in		0-3 in		0-6 in	
				sample_date:	09/16/2008		09/16/2008		07/09/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
534-52-1	4,6-Dinitro-2-Methylpheno	E625	ug/kg	611						
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22						
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8						
58-90-2	Chlorophenols	E625	ug/kg	284						
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000						
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120						
621-64-7	N-Nitroso-Di-N-Propylamir	E625	ug/kg	69.4						
67-72-1	Hexachloroethane	E625	ug/kg	804						
7005-72-3	4-Chlorophenyl Phenyleth	E625	ug/kg	NL						
77-47-4	Hexachlorocyclopentadier	E625	ug/kg	139						
78-59-1	Isophorone	E625	ug/kg	511000						
83-32-9	Acenaphthene	E625	ug/kg	6.71						
84-66-2	Diethylphthalate	E625	ug/kg	218						
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160						
85-01-8	Phenanthrene	E625	ug/kg	86.7						
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800						
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100						
86-73-7	Fluorene	E625	ug/kg	19						
86-74-8	Carbazole	E625	ug/kg	NL						
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110						
87-86-5	Pentachlorophenol	E625	ug/kg	2970						
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650						
88-74-4	2-Nitroaniline	E625	ug/kg	60600						
88-75-5	2-Nitrophenol	E625	ug/kg	NL						
91-20-3	Naphthalene	E625	ug/kg	34.6						
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2						
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000						
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080						
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220						
95-48-7	2-Methylphenol	E625	ug/kg	306000						
95-57-8	2-Chlorophenol	E625	ug/kg	344						
95-94-3	1,2,4,5-Tetrachlorobenzer	E625	ug/kg	1830						
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819						

				sys_loc_code:	SED89		SED90		C1	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	RBS-SED89		RBS-SED90		C1 0-6	
				depth:	0-3 in		0-3 in		0-6 in	
				sample_date:	09/16/2008		09/16/2008		07/09/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
98-86-2	Acetophenone	E625	ug/kg	782000						
98-95-3	Nitrobenzene	E625	ug/kg	4790						
99-09-2	3-Nitroaniline	E625	ug/kg	NL						

				sys_loc_code:	C10		C15		C16		
				loc_name:	Area-08		Area-08		Area-08		
				sys_sample_code:	C10 0-6		C15 0-6		C16 0-6		
				depth:	0-6 in		0-6 in		0-6 in		
				sample_date:	07/09/2009		07/09/2009		07/09/2009		
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED							
7429-90-5	Aluminum	C200.7	mg/kg	7740							
7440-36-0	Antimony	C200.7	mg/kg	2							
7440-38-2	Arsenic	C200.7	mg/kg	0.389							
7440-39-3	Barium	C200.7	mg/kg	130.1							
7440-41-7	Beryllium	C200.7	mg/kg	15.6							
7440-43-9	Cadmium	C200.7	mg/kg	0.68							
7440-70-2	Calcium	C200.7	mg/kg	NL							
7440-47-3	Chromium	C200.7	mg/kg	52.3							
7440-48-4	Cobalt	C200.7	mg/kg	2.34							
7440-50-8	Copper	C200.7	mg/kg	18.7							
7439-89-6	Iron	C200.7	mg/kg	2000							
7439-92-1	Lead	C200.7	mg/kg	30.2							
7439-95-4	Magnesium	C200.7	mg/kg	NL							
7439-96-5	Manganese	C200.7	mg/kg	183							
7440-02-0	Nickel	C200.7	mg/kg	15.9							
7440-09-7	Potassium	C200.7	mg/kg	NL							
7782-49-2	Selenium	C200.7	mg/kg	2							
7440-22-4	Silver	C200.7	mg/kg	0.73							
7440-23-5	Sodium	C200.7	mg/kg	NL							
7440-28-0	Thallium	C200.7	mg/kg	100000							
7440-31-5	Tin	C200.7	mg/kg	NL							
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548							
7440-66-6	Zinc	C200.7	mg/kg	124							
7429-90-5	Aluminum	E200.7	mg/kg	7740	3680		4870		1840		
7439-89-6	Iron	E200.7	mg/kg	2000	64400	J	17100	J	7350	J	
7439-92-1	Lead	E200.7	mg/kg	30.2	95.8	J	168		38.8		
7439-95-4	Magnesium	E200.7	mg/kg	NL	973	J	2410		961		
7439-96-5	Manganese	E200.7	mg/kg	183	161		129	J	40.7	J	
7440-09-7	Potassium	E200.7	mg/kg	NL	188	J	1020		407	J	
7440-23-5	Sodium	E200.7	mg/kg	NL	824	J	3690		2180		
7440-36-0	Antimony	E200.7	mg/kg	2							
7440-38-2	Arsenic	E200.7	mg/kg	0.389	15.2	J	10		3.3		
7440-50-8	Copper	E200.7	mg/kg	18.7	76.4	J	58.3		25.1		

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				sys_loc_code:	C10		C15		C16	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	C10 0-6		C15 0-6		C16 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/09/2009		07/09/2009		07/09/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
7440-66-6	Zinc	E200.7	mg/kg	124	173	J	176		66.8	
7440-70-2	Calcium	E200.7	mg/kg	NL	1590		1810	J	730	J
7440-36-0	Antimony	E200.8	mg/kg	2	2.5		2	J	1.2	UJ
7440-38-2	Arsenic	E200.8	mg/kg	0.389						
7440-39-3	Barium	E200.8	mg/kg	130.1	9		17.6		6.1	
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.64		0.51		0.29	U
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.26	U	0.86		0.29	U
7440-47-3	Chromium	E200.8	mg/kg	52.3	41.5	J	23.1		11.3	
7440-48-4	Cobalt	E200.8	mg/kg	2.34	2.6	J	4.8	J	2.1	J
7440-50-8	Copper	E200.8	mg/kg	18.7						
7439-92-1	Lead	E200.8	mg/kg	30.2						
7439-96-5	Manganese	E200.8	mg/kg	183						
7440-02-0	Nickel	E200.8	mg/kg	15.9	10.1	J	10.5		3.9	
7782-49-2	Selenium	E200.8	mg/kg	2	0.13	J	0.67	J	0.32	J
7440-22-4	Silver	E200.8	mg/kg	0.73	0.26	UJ	1.1	J	0.36	J
7440-28-0	Thallium	E200.8	mg/kg	100000	0.52	U	0.75	U	0.59	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	36.7	J	23.6		13.7	
7440-66-6	Zinc	E200.8	mg/kg	124						
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.031	U	0.45		0.16	
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6						
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357						
309-00-2	Aldrin	CPEST	ug/kg	2						
319-84-6	Alpha-Bhc	CPEST	ug/kg	3						
319-85-7	Beta-Bhc	CPEST	ug/kg	3						
319-86-8	Delta-Bhc	CPEST	ug/kg	3						
33213-65-9	Endosulfan II	CPEST	ug/kg	14						
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19						
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7						
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7						
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL						
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32						
60-57-1	Dieldrin	CPEST	ug/kg	0.72						
72-20-8	Endrin	CPEST	ug/kg	2.67						

				sys_loc_code:	C10		C15		C16	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	C10 0-6		C15 0-6		C16 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/09/2009		07/09/2009		07/09/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
72-43-5	Methoxychlor	CPEST	ug/kg	29.6						
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22						
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07						
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL						
76-44-8	Heptachlor	CPEST	ug/kg	68						
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1						
959-98-8	Endosulfan I	CPEST	ug/kg	2.9						
11096-82-5	Aroclor 1260	E608	ug/kg	21.6						
11097-69-1	Aroclor 1254	E608	ug/kg	23						
11100-14-4	Aroclor 1268	E608	ug/kg	21.6						
11104-28-2	Aroclor 1221	E608	ug/kg	21.6						
11141-16-5	Aroclor 1232	E608	ug/kg	21.6						
12672-29-6	Aroclor 1248	E608	ug/kg	21.6						
12674-11-2	Aroclor 1016	E608	ug/kg	21.6						
37324-23-5	Aroclor 1262	E608	ug/kg	21.6						
53469-21-9	Aroclor 1242	E608	ug/kg	21.6						
100-41-4	Ethylbenzene	E624	ug/kg	305						
100-42-5	Styrene	E624	ug/kg	7070						
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL						
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL						
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460						
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7						
107-06-2	1,2-Dichloroethane	E624	ug/kg	432						
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000						
108-87-2	Methylcyclohexane	E624	ug/kg	NL						
108-88-3	Toluene	E624	ug/kg	1090						
108-90-7	Chlorobenzene	E624	ug/kg	162						
110-82-7	Cyclohexane	E624	ug/kg	117000						
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473						
123-91-1	1,4-Dioxane	E624	ug/kg	44100						
124-48-1	Dibromochloromethane	E624	ug/kg	680						
127-18-4	Tetrachloroethene	E624	ug/kg	190						
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200						

				sys_loc_code:	C10		C15		C16	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	C10 0-6		C15 0-6		C16 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/09/2009		07/09/2009		07/09/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300						
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300						
179601-23-1	m,p-Xylene	E624	ug/kg	NL						
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842						
56-23-5	Carbon tetrachloride	E624	ug/kg	248						
591-78-6	2-Hexanone	E624	ug/kg	20900						
67-64-1	Acetone	E624	ug/kg	6130000						
67-66-3	Chloroform	E624	ug/kg	295						
71-43-2	Benzene	E624	ug/kg	137						
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856						
74-83-9	Bromomethane	E624	ug/kg	732						
74-87-3	Chloromethane	E624	ug/kg	11900						
74-97-5	Bromochloromethane	E624	ug/kg	NL						
75-00-3	Chloroethane	E624	ug/kg	1450000						
75-01-4	Vinyl Chloride	E624	ug/kg	59.7						
75-09-2	Methylene chloride	E624	ug/kg	10700						
75-15-0	Carbon Disulfide	E624	ug/kg	0.851						
75-25-2	Bromoform	E624	ug/kg	1310						
75-27-4	Bromodichloromethane	E624	ug/kg	273						
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310						
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780						
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700						
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400						
76-13-1	1,1,2-Trichloro-1,2,2-triflud	E624	ug/kg	910000						
78-87-5	1,2-Dichloropropane	E624	ug/kg	895						
78-93-3	2-Butanone	E624	ug/kg	2780000						
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570						
79-01-6	Trichloroethene	E624	ug/kg	1600						
79-20-9	Methyl Acetate	E624	ug/kg	7820000						
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202						
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858						
95-47-6	o-Xylene	E624	ug/kg	NL						
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989						

				sys_loc_code:	C10		C15		C16	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	C10 0-6		C15 0-6		C16 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/09/2009		07/09/2009		07/09/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
96-12-8	1,2-Dibromo-3-chloroprop	E624	ug/kg	5.35						
98-82-8	Isopropylbenzene	E624	ug/kg	86						
100-01-6	4-Nitroaniline	E625	ug/kg	24300						
100-02-7	4-Nitrophenol	E625	ug/kg	NL						
100-52-7	Benzaldehyde	E625	ug/kg	782000						
101-55-3	4-Bromophenyl Phenyl Eth	E625	ug/kg	1230						
105-60-2	Caprolactam	E625	ug/kg	3060000						
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29						
106-44-5	4-Methylphenol	E625	ug/kg	670						
106-47-8	4-Chloroaniline	E625	ug/kg	2430						
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570						
108-95-2	Phenol	E625	ug/kg	420						
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214						
111-91-1	Bis(2-Chloroethoxy) metha	E625	ug/kg	18300						
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182						
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL						
118-74-1	Hexachlorobenzene	E625	ug/kg	20						
120-12-7	Anthracene	E625	ug/kg	46.9						
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117						
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6						
129-00-0	Pyrene	E625	ug/kg	153						
131-11-3	Dimethylphthalate	E625	ug/kg	NL						
132-64-9	Dibenzofuran	E625	ug/kg	7300						
1912-24-9	Atrazine	E625	ug/kg	6.62						
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170						
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17						
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148						
206-44-0	Fluoranthene	E625	ug/kg	113						
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240						
208-96-8	Acenaphthylene	E625	ug/kg	5.87						
218-01-9	Chrysene	E625	ug/kg	108						
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8						
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200						

				sys_loc_code:	C10		C15		C16	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	C10 0-6		C15 0-6		C16 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/09/2009		07/09/2009		07/09/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
534-52-1	4,6-Dinitro-2-Methylpheno	E625	ug/kg	611						
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22						
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8						
58-90-2	Chlorophenols	E625	ug/kg	284						
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000						
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120						
621-64-7	N-Nitroso-Di-N-Propylamir	E625	ug/kg	69.4						
67-72-1	Hexachloroethane	E625	ug/kg	804						
7005-72-3	4-Chlorophenyl Phenyleth	E625	ug/kg	NL						
77-47-4	Hexachlorocyclopentadier	E625	ug/kg	139						
78-59-1	Isophorone	E625	ug/kg	511000						
83-32-9	Acenaphthene	E625	ug/kg	6.71						
84-66-2	Diethylphthalate	E625	ug/kg	218						
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160						
85-01-8	Phenanthrene	E625	ug/kg	86.7						
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800						
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100						
86-73-7	Fluorene	E625	ug/kg	19						
86-74-8	Carbazole	E625	ug/kg	NL						
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110						
87-86-5	Pentachlorophenol	E625	ug/kg	2970						
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650						
88-74-4	2-Nitroaniline	E625	ug/kg	60600						
88-75-5	2-Nitrophenol	E625	ug/kg	NL						
91-20-3	Naphthalene	E625	ug/kg	34.6						
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2						
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000						
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080						
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220						
95-48-7	2-Methylphenol	E625	ug/kg	306000						
95-57-8	2-Chlorophenol	E625	ug/kg	344						
95-94-3	1,2,4,5-Tetrachlorobenzer	E625	ug/kg	1830						
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819						

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				sys_loc_code:	C10		C15		C16	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	C10 0-6		C15 0-6		C16 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/09/2009		07/09/2009		07/09/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
98-86-2	Acetophenone	E625	ug/kg	782000						
98-95-3	Nitrobenzene	E625	ug/kg	4790						
99-09-2	3-Nitroaniline	E625	ug/kg	NL						

				sys_loc_code:	C17		C18		C19		
				loc_name:	Area-08		Area-08		Area-08		
				sys_sample_code:	C17 0-6		C18 0-6		C19 0-6		
				depth:	0-6 in		0-6 in		0-6 in		
				sample_date:	07/10/2009		07/10/2009		07/09/2009		
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED							
7429-90-5	Aluminum	C200.7	mg/kg	7740							
7440-36-0	Antimony	C200.7	mg/kg	2							
7440-38-2	Arsenic	C200.7	mg/kg	0.389							
7440-39-3	Barium	C200.7	mg/kg	130.1							
7440-41-7	Beryllium	C200.7	mg/kg	15.6							
7440-43-9	Cadmium	C200.7	mg/kg	0.68							
7440-70-2	Calcium	C200.7	mg/kg	NL							
7440-47-3	Chromium	C200.7	mg/kg	52.3							
7440-48-4	Cobalt	C200.7	mg/kg	2.34							
7440-50-8	Copper	C200.7	mg/kg	18.7							
7439-89-6	Iron	C200.7	mg/kg	2000							
7439-92-1	Lead	C200.7	mg/kg	30.2							
7439-95-4	Magnesium	C200.7	mg/kg	NL							
7439-96-5	Manganese	C200.7	mg/kg	183							
7440-02-0	Nickel	C200.7	mg/kg	15.9							
7440-09-7	Potassium	C200.7	mg/kg	NL							
7782-49-2	Selenium	C200.7	mg/kg	2							
7440-22-4	Silver	C200.7	mg/kg	0.73							
7440-23-5	Sodium	C200.7	mg/kg	NL							
7440-28-0	Thallium	C200.7	mg/kg	100000							
7440-31-5	Tin	C200.7	mg/kg	NL							
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548							
7440-66-6	Zinc	C200.7	mg/kg	124							
7429-90-5	Aluminum	E200.7	mg/kg	7740	2250	J	1910	J	3000		
7439-89-6	Iron	E200.7	mg/kg	2000	7420	J	10500	J	33800	J	
7439-92-1	Lead	E200.7	mg/kg	30.2					17.2	J	
7439-95-4	Magnesium	E200.7	mg/kg	NL	961	J	713		524	J	
7439-96-5	Manganese	E200.7	mg/kg	183					22.9		
7440-09-7	Potassium	E200.7	mg/kg	NL	658	UJ	595	U	269	J	
7440-23-5	Sodium	E200.7	mg/kg	NL	2090	J	1640		1350	J	
7440-36-0	Antimony	E200.7	mg/kg	2							
7440-38-2	Arsenic	E200.7	mg/kg	0.389					9.6	J	
7440-50-8	Copper	E200.7	mg/kg	18.7					12.3	J	

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Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 8 Sediment < 12

				sys_loc_code:	C17			C18		C19	
				loc_name:	Area-08			Area-08		Area-08	
				sys_sample_code:	C17 0-6			C18 0-6		C19 0-6	
				depth:	0-6 in			0-6 in		0-6 in	
				sample_date:	07/10/2009			07/10/2009		07/09/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED							
7440-66-6	Zinc	E200.7	mg/kg	124						52.8	J
7440-70-2	Calcium	E200.7	mg/kg	NL	761	J		4610		313	J
7440-36-0	Antimony	E200.8	mg/kg	2	1.6			1.2	U	1	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389	4.4	J		6.8	J		
7440-39-3	Barium	E200.8	mg/kg	130.1	6.9	J		4.5	J	5.1	U
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.27	J		0.48	J	0.96	
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.34			0.3	U	0.25	U
7440-47-3	Chromium	E200.8	mg/kg	52.3	12.7			23.3	J	19.9	J
7440-48-4	Cobalt	E200.8	mg/kg	2.34	1.9			1.7		1.4	J
7440-50-8	Copper	E200.8	mg/kg	18.7	36.2			33.5	J		
7439-92-1	Lead	E200.8	mg/kg	30.2	63.4			31.1			
7439-96-5	Manganese	E200.8	mg/kg	183	43.4			52.9	J		
7440-02-0	Nickel	E200.8	mg/kg	15.9	4.7			3.9		3.1	J
7782-49-2	Selenium	E200.8	mg/kg	2	0.66	UJ		0.32	J	0.22	J
7440-22-4	Silver	E200.8	mg/kg	0.73	0.5	J		0.3	U	0.25	UJ
7440-28-0	Thallium	E200.8	mg/kg	100000	0.66	U		0.6	U	0.51	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	14.7			24.2	J	29	J
7440-66-6	Zinc	E200.8	mg/kg	124	72.9			62.5			
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.29			0.096		0.055	
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6							
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357							
309-00-2	Aldrin	CPEST	ug/kg	2							
319-84-6	Alpha-Bhc	CPEST	ug/kg	3							
319-85-7	Beta-Bhc	CPEST	ug/kg	3							
319-86-8	Delta-Bhc	CPEST	ug/kg	3							
33213-65-9	Endosulfan II	CPEST	ug/kg	14							
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19							
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7							
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7							
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL							
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32							
60-57-1	Dieldrin	CPEST	ug/kg	0.72							
72-20-8	Endrin	CPEST	ug/kg	2.67							

				sys_loc_code:	C17		C18		C19	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	C17 0-6		C18 0-6		C19 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/10/2009		07/10/2009		07/09/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
72-43-5	Methoxychlor	CPEST	ug/kg	29.6						
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22						
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07						
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL						
76-44-8	Heptachlor	CPEST	ug/kg	68						
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1						
959-98-8	Endosulfan I	CPEST	ug/kg	2.9						
11096-82-5	Aroclor 1260	E608	ug/kg	21.6						
11097-69-1	Aroclor 1254	E608	ug/kg	23						
11100-14-4	Aroclor 1268	E608	ug/kg	21.6						
11104-28-2	Aroclor 1221	E608	ug/kg	21.6						
11141-16-5	Aroclor 1232	E608	ug/kg	21.6						
12672-29-6	Aroclor 1248	E608	ug/kg	21.6						
12674-11-2	Aroclor 1016	E608	ug/kg	21.6						
37324-23-5	Aroclor 1262	E608	ug/kg	21.6						
53469-21-9	Aroclor 1242	E608	ug/kg	21.6						
100-41-4	Ethylbenzene	E624	ug/kg	305						
100-42-5	Styrene	E624	ug/kg	7070						
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL						
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL						
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460						
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7						
107-06-2	1,2-Dichloroethane	E624	ug/kg	432						
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000						
108-87-2	Methylcyclohexane	E624	ug/kg	NL						
108-88-3	Toluene	E624	ug/kg	1090						
108-90-7	Chlorobenzene	E624	ug/kg	162						
110-82-7	Cyclohexane	E624	ug/kg	117000						
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473						
123-91-1	1,4-Dioxane	E624	ug/kg	44100						
124-48-1	Dibromochloromethane	E624	ug/kg	680						
127-18-4	Tetrachloroethene	E624	ug/kg	190						
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200						

				sys_loc_code:	C17		C18		C19	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	C17 0-6		C18 0-6		C19 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/10/2009		07/10/2009		07/09/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300						
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300						
179601-23-1	m,p-Xylene	E624	ug/kg	NL						
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842						
56-23-5	Carbon tetrachloride	E624	ug/kg	248						
591-78-6	2-Hexanone	E624	ug/kg	20900						
67-64-1	Acetone	E624	ug/kg	6130000						
67-66-3	Chloroform	E624	ug/kg	295						
71-43-2	Benzene	E624	ug/kg	137						
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856						
74-83-9	Bromomethane	E624	ug/kg	732						
74-87-3	Chloromethane	E624	ug/kg	11900						
74-97-5	Bromochloromethane	E624	ug/kg	NL						
75-00-3	Chloroethane	E624	ug/kg	1450000						
75-01-4	Vinyl Chloride	E624	ug/kg	59.7						
75-09-2	Methylene chloride	E624	ug/kg	10700						
75-15-0	Carbon Disulfide	E624	ug/kg	0.851						
75-25-2	Bromoform	E624	ug/kg	1310						
75-27-4	Bromodichloromethane	E624	ug/kg	273						
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310						
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780						
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700						
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400						
76-13-1	1,1,2-Trichloro-1,2,2-trifluo	E624	ug/kg	910000						
78-87-5	1,2-Dichloropropane	E624	ug/kg	895						
78-93-3	2-Butanone	E624	ug/kg	2780000						
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570						
79-01-6	Trichloroethene	E624	ug/kg	1600						
79-20-9	Methyl Acetate	E624	ug/kg	7820000						
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202						
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858						
95-47-6	o-Xylene	E624	ug/kg	NL						
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989						

				sys_loc_code:	C17		C18		C19	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	C17 0-6		C18 0-6		C19 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/10/2009		07/10/2009		07/09/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
96-12-8	1,2-Dibromo-3-chloroprop	E624	ug/kg	5.35						
98-82-8	Isopropylbenzene	E624	ug/kg	86						
100-01-6	4-Nitroaniline	E625	ug/kg	24300						
100-02-7	4-Nitrophenol	E625	ug/kg	NL						
100-52-7	Benzaldehyde	E625	ug/kg	782000						
101-55-3	4-Bromophenyl Phenyl Eth	E625	ug/kg	1230						
105-60-2	Caprolactam	E625	ug/kg	3060000						
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29						
106-44-5	4-Methylphenol	E625	ug/kg	670						
106-47-8	4-Chloroaniline	E625	ug/kg	2430						
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570						
108-95-2	Phenol	E625	ug/kg	420						
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214						
111-91-1	Bis(2-Chloroethoxy) metha	E625	ug/kg	18300						
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182						
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL						
118-74-1	Hexachlorobenzene	E625	ug/kg	20						
120-12-7	Anthracene	E625	ug/kg	46.9						
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117						
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6						
129-00-0	Pyrene	E625	ug/kg	153						
131-11-3	Dimethylphthalate	E625	ug/kg	NL						
132-64-9	Dibenzofuran	E625	ug/kg	7300						
1912-24-9	Atrazine	E625	ug/kg	6.62						
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170						
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17						
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148						
206-44-0	Fluoranthene	E625	ug/kg	113						
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240						
208-96-8	Acenaphthylene	E625	ug/kg	5.87						
218-01-9	Chrysene	E625	ug/kg	108						
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8						
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200						

				sys_loc_code:	C17		C18		C19	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	C17 0-6		C18 0-6		C19 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/10/2009		07/10/2009		07/09/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
534-52-1	4,6-Dinitro-2-Methylpheno	E625	ug/kg	611						
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22						
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8						
58-90-2	Chlorophenols	E625	ug/kg	284						
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000						
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120						
621-64-7	N-Nitroso-Di-N-Propylamir	E625	ug/kg	69.4						
67-72-1	Hexachloroethane	E625	ug/kg	804						
7005-72-3	4-Chlorophenyl Phenyleth	E625	ug/kg	NL						
77-47-4	Hexachlorocyclopentadier	E625	ug/kg	139						
78-59-1	Isophorone	E625	ug/kg	511000						
83-32-9	Acenaphthene	E625	ug/kg	6.71						
84-66-2	Diethylphthalate	E625	ug/kg	218						
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160						
85-01-8	Phenanthrene	E625	ug/kg	86.7						
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800						
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100						
86-73-7	Fluorene	E625	ug/kg	19						
86-74-8	Carbazole	E625	ug/kg	NL						
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110						
87-86-5	Pentachlorophenol	E625	ug/kg	2970						
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650						
88-74-4	2-Nitroaniline	E625	ug/kg	60600						
88-75-5	2-Nitrophenol	E625	ug/kg	NL						
91-20-3	Naphthalene	E625	ug/kg	34.6						
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2						
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000						
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080						
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220						
95-48-7	2-Methylphenol	E625	ug/kg	306000						
95-57-8	2-Chlorophenol	E625	ug/kg	344						
95-94-3	1,2,4,5-Tetrachlorobenzer	E625	ug/kg	1830						
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819						

				sys_loc_code:	C17		C18		C19	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	C17 0-6		C18 0-6		C19 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/10/2009		07/10/2009		07/09/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
98-86-2	Acetophenone	E625	ug/kg	782000						
98-95-3	Nitrobenzene	E625	ug/kg	4790						
99-09-2	3-Nitroaniline	E625	ug/kg	NL						

				sys_loc_code:	C2		C25		C26		
				loc_name:	Area-08		Area-08		Area-08		
				sys_sample_code:	C2 0-6		C25 0-6		C26 0-6		
				depth:	0-6 in		0-6 in		0-6 in		
				sample_date:	07/09/2009		07/09/2009		07/09/2009		
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED							
7429-90-5	Aluminum	C200.7	mg/kg	7740							
7440-36-0	Antimony	C200.7	mg/kg	2							
7440-38-2	Arsenic	C200.7	mg/kg	0.389							
7440-39-3	Barium	C200.7	mg/kg	130.1							
7440-41-7	Beryllium	C200.7	mg/kg	15.6							
7440-43-9	Cadmium	C200.7	mg/kg	0.68							
7440-70-2	Calcium	C200.7	mg/kg	NL							
7440-47-3	Chromium	C200.7	mg/kg	52.3							
7440-48-4	Cobalt	C200.7	mg/kg	2.34							
7440-50-8	Copper	C200.7	mg/kg	18.7							
7439-89-6	Iron	C200.7	mg/kg	2000							
7439-92-1	Lead	C200.7	mg/kg	30.2							
7439-95-4	Magnesium	C200.7	mg/kg	NL							
7439-96-5	Manganese	C200.7	mg/kg	183							
7440-02-0	Nickel	C200.7	mg/kg	15.9							
7440-09-7	Potassium	C200.7	mg/kg	NL							
7782-49-2	Selenium	C200.7	mg/kg	2							
7440-22-4	Silver	C200.7	mg/kg	0.73							
7440-23-5	Sodium	C200.7	mg/kg	NL							
7440-28-0	Thallium	C200.7	mg/kg	100000							
7440-31-5	Tin	C200.7	mg/kg	NL							
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548							
7440-66-6	Zinc	C200.7	mg/kg	124							
7429-90-5	Aluminum	E200.7	mg/kg	7740	1870	J	5570	J	3930	J	
7439-89-6	Iron	E200.7	mg/kg	2000	13100	J	19900	J	15400	J	
7439-92-1	Lead	E200.7	mg/kg	30.2	1630		338		180		
7439-95-4	Magnesium	E200.7	mg/kg	NL	1350	J	3170	J	2260	J	
7439-96-5	Manganese	E200.7	mg/kg	183	57.4	J	135	J	119	J	
7440-09-7	Potassium	E200.7	mg/kg	NL	419	J	1250	J	898	J	
7440-23-5	Sodium	E200.7	mg/kg	NL	2710	J	5060	J	4110	J	
7440-36-0	Antimony	E200.7	mg/kg	2							
7440-38-2	Arsenic	E200.7	mg/kg	0.389	24.2		15		11.4		
7440-50-8	Copper	E200.7	mg/kg	18.7	116	J	85.6	J	65	J	

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				sys_loc_code:	C2		C25		C26		
				loc_name:	Area-08		Area-08		Area-08		
				sys_sample_code:	C2 0-6		C25 0-6		C26 0-6		
				depth:	0-6 in		0-6 in		0-6 in		
				sample_date:	07/09/2009		07/09/2009		07/09/2009		
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED							
7440-66-6	Zinc	E200.7	mg/kg	124	95.6	J	229	J	178	J	
7440-70-2	Calcium	E200.7	mg/kg	NL	2390	J	2400	J	1980	J	
7440-36-0	Antimony	E200.8	mg/kg	2	49.3		9.2		3		
7440-38-2	Arsenic	E200.8	mg/kg	0.389							
7440-39-3	Barium	E200.8	mg/kg	130.1	20.9		27.8		20.1		
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.53		0.67		0.55		
7440-43-9	Cadmium	E200.8	mg/kg	0.68	1.4		2.2		1.3		
7440-47-3	Chromium	E200.8	mg/kg	52.3	18.8		33.9		25.4		
7440-48-4	Cobalt	E200.8	mg/kg	2.34	3.4		5.9		4.3		
7440-50-8	Copper	E200.8	mg/kg	18.7							
7439-92-1	Lead	E200.8	mg/kg	30.2							
7439-96-5	Manganese	E200.8	mg/kg	183							
7440-02-0	Nickel	E200.8	mg/kg	15.9	12.3		16.8		11.2		
7782-49-2	Selenium	E200.8	mg/kg	2	0.42	J	1		0.87		
7440-22-4	Silver	E200.8	mg/kg	0.73	0.37	J	2	J	1.5	J	
7440-28-0	Thallium	E200.8	mg/kg	100000	0.64	U	0.83	U	0.57	U	
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	26		30.9		24.5		
7440-66-6	Zinc	E200.8	mg/kg	124							
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.24		0.75		0.5		
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6							
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357							
309-00-2	Aldrin	CPEST	ug/kg	2							
319-84-6	Alpha-Bhc	CPEST	ug/kg	3							
319-85-7	Beta-Bhc	CPEST	ug/kg	3							
319-86-8	Delta-Bhc	CPEST	ug/kg	3							
33213-65-9	Endosulfan II	CPEST	ug/kg	14							
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19							
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7							
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7							
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL							
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32							
60-57-1	Dieldrin	CPEST	ug/kg	0.72							
72-20-8	Endrin	CPEST	ug/kg	2.67							

				sys_loc_code:	C2		C25		C26	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	C2 0-6		C25 0-6		C26 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/09/2009		07/09/2009		07/09/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
72-43-5	Methoxychlor	CPEST	ug/kg	29.6						
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22						
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07						
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL						
76-44-8	Heptachlor	CPEST	ug/kg	68						
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1						
959-98-8	Endosulfan I	CPEST	ug/kg	2.9						
11096-82-5	Aroclor 1260	E608	ug/kg	21.6						
11097-69-1	Aroclor 1254	E608	ug/kg	23						
11100-14-4	Aroclor 1268	E608	ug/kg	21.6						
11104-28-2	Aroclor 1221	E608	ug/kg	21.6						
11141-16-5	Aroclor 1232	E608	ug/kg	21.6						
12672-29-6	Aroclor 1248	E608	ug/kg	21.6						
12674-11-2	Aroclor 1016	E608	ug/kg	21.6						
37324-23-5	Aroclor 1262	E608	ug/kg	21.6						
53469-21-9	Aroclor 1242	E608	ug/kg	21.6						
100-41-4	Ethylbenzene	E624	ug/kg	305						
100-42-5	Styrene	E624	ug/kg	7070						
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL						
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL						
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460						
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7						
107-06-2	1,2-Dichloroethane	E624	ug/kg	432						
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000						
108-87-2	Methylcyclohexane	E624	ug/kg	NL						
108-88-3	Toluene	E624	ug/kg	1090						
108-90-7	Chlorobenzene	E624	ug/kg	162						
110-82-7	Cyclohexane	E624	ug/kg	117000						
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473						
123-91-1	1,4-Dioxane	E624	ug/kg	44100						
124-48-1	Dibromochloromethane	E624	ug/kg	680						
127-18-4	Tetrachloroethene	E624	ug/kg	190						
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200						

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				sys_loc_code:	C2		C25		C26	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	C2 0-6		C25 0-6		C26 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/09/2009		07/09/2009		07/09/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300						
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300						
179601-23-1	m,p-Xylene	E624	ug/kg	NL						
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842						
56-23-5	Carbon tetrachloride	E624	ug/kg	248						
591-78-6	2-Hexanone	E624	ug/kg	20900						
67-64-1	Acetone	E624	ug/kg	6130000						
67-66-3	Chloroform	E624	ug/kg	295						
71-43-2	Benzene	E624	ug/kg	137						
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856						
74-83-9	Bromomethane	E624	ug/kg	732						
74-87-3	Chloromethane	E624	ug/kg	11900						
74-97-5	Bromochloromethane	E624	ug/kg	NL						
75-00-3	Chloroethane	E624	ug/kg	1450000						
75-01-4	Vinyl Chloride	E624	ug/kg	59.7						
75-09-2	Methylene chloride	E624	ug/kg	10700						
75-15-0	Carbon Disulfide	E624	ug/kg	0.851						
75-25-2	Bromoform	E624	ug/kg	1310						
75-27-4	Bromodichloromethane	E624	ug/kg	273						
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310						
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780						
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700						
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400						
76-13-1	1,1,2-Trichloro-1,2,2-triflud	E624	ug/kg	910000						
78-87-5	1,2-Dichloropropane	E624	ug/kg	895						
78-93-3	2-Butanone	E624	ug/kg	2780000						
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570						
79-01-6	Trichloroethene	E624	ug/kg	1600						
79-20-9	Methyl Acetate	E624	ug/kg	7820000						
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202						
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858						
95-47-6	o-Xylene	E624	ug/kg	NL						
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989						

				sys_loc_code:	C2		C25		C26	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	C2 0-6		C25 0-6		C26 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/09/2009		07/09/2009		07/09/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
96-12-8	1,2-Dibromo-3-chloroprop	E624	ug/kg	5.35						
98-82-8	Isopropylbenzene	E624	ug/kg	86						
100-01-6	4-Nitroaniline	E625	ug/kg	24300						
100-02-7	4-Nitrophenol	E625	ug/kg	NL						
100-52-7	Benzaldehyde	E625	ug/kg	782000						
101-55-3	4-Bromophenyl Phenyl Eth	E625	ug/kg	1230						
105-60-2	Caprolactam	E625	ug/kg	3060000						
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29						
106-44-5	4-Methylphenol	E625	ug/kg	670						
106-47-8	4-Chloroaniline	E625	ug/kg	2430						
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570						
108-95-2	Phenol	E625	ug/kg	420						
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214						
111-91-1	Bis(2-Chloroethoxy) metha	E625	ug/kg	18300						
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182						
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL						
118-74-1	Hexachlorobenzene	E625	ug/kg	20						
120-12-7	Anthracene	E625	ug/kg	46.9						
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117						
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6						
129-00-0	Pyrene	E625	ug/kg	153						
131-11-3	Dimethylphthalate	E625	ug/kg	NL						
132-64-9	Dibenzofuran	E625	ug/kg	7300						
1912-24-9	Atrazine	E625	ug/kg	6.62						
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170						
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17						
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148						
206-44-0	Fluoranthene	E625	ug/kg	113						
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240						
208-96-8	Acenaphthylene	E625	ug/kg	5.87						
218-01-9	Chrysene	E625	ug/kg	108						
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8						
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200						

				sys_loc_code:	C2		C25		C26	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	C2 0-6		C25 0-6		C26 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/09/2009		07/09/2009		07/09/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
534-52-1	4,6-Dinitro-2-Methylpheno	E625	ug/kg	611						
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22						
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8						
58-90-2	Chlorophenols	E625	ug/kg	284						
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000						
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120						
621-64-7	N-Nitroso-Di-N-Propylamir	E625	ug/kg	69.4						
67-72-1	Hexachloroethane	E625	ug/kg	804						
7005-72-3	4-Chlorophenyl Phenyleth	E625	ug/kg	NL						
77-47-4	Hexachlorocyclopentadier	E625	ug/kg	139						
78-59-1	Isophorone	E625	ug/kg	511000						
83-32-9	Acenaphthene	E625	ug/kg	6.71						
84-66-2	Diethylphthalate	E625	ug/kg	218						
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160						
85-01-8	Phenanthrene	E625	ug/kg	86.7						
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800						
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100						
86-73-7	Fluorene	E625	ug/kg	19						
86-74-8	Carbazole	E625	ug/kg	NL						
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110						
87-86-5	Pentachlorophenol	E625	ug/kg	2970						
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650						
88-74-4	2-Nitroaniline	E625	ug/kg	60600						
88-75-5	2-Nitrophenol	E625	ug/kg	NL						
91-20-3	Naphthalene	E625	ug/kg	34.6						
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2						
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000						
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080						
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220						
95-48-7	2-Methylphenol	E625	ug/kg	306000						
95-57-8	2-Chlorophenol	E625	ug/kg	344						
95-94-3	1,2,4,5-Tetrachlorobenzer	E625	ug/kg	1830						
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819						

				sys_loc_code:	C2		C25		C26	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	C2 0-6		C25 0-6		C26 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/09/2009		07/09/2009		07/09/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
98-86-2	Acetophenone	E625	ug/kg	782000						
98-95-3	Nitrobenzene	E625	ug/kg	4790						
99-09-2	3-Nitroaniline	E625	ug/kg	NL						

				sys_loc_code:	C27		C28		C29		
				loc_name:	Area-08		Area-08		Area-08		
				sys_sample_code:	C27 0-6		C28 0-6		C29 0-6		
				depth:	0-6 in		0-6 in		0-6 in		
				sample_date:	07/09/2009		07/09/2009		07/27/2009		
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED							
7429-90-5	Aluminum	C200.7	mg/kg	7740							
7440-36-0	Antimony	C200.7	mg/kg	2							
7440-38-2	Arsenic	C200.7	mg/kg	0.389							
7440-39-3	Barium	C200.7	mg/kg	130.1							
7440-41-7	Beryllium	C200.7	mg/kg	15.6							
7440-43-9	Cadmium	C200.7	mg/kg	0.68							
7440-70-2	Calcium	C200.7	mg/kg	NL							
7440-47-3	Chromium	C200.7	mg/kg	52.3							
7440-48-4	Cobalt	C200.7	mg/kg	2.34							
7440-50-8	Copper	C200.7	mg/kg	18.7							
7439-89-6	Iron	C200.7	mg/kg	2000							
7439-92-1	Lead	C200.7	mg/kg	30.2							
7439-95-4	Magnesium	C200.7	mg/kg	NL							
7439-96-5	Manganese	C200.7	mg/kg	183							
7440-02-0	Nickel	C200.7	mg/kg	15.9							
7440-09-7	Potassium	C200.7	mg/kg	NL							
7782-49-2	Selenium	C200.7	mg/kg	2							
7440-22-4	Silver	C200.7	mg/kg	0.73							
7440-23-5	Sodium	C200.7	mg/kg	NL							
7440-28-0	Thallium	C200.7	mg/kg	100000							
7440-31-5	Tin	C200.7	mg/kg	NL							
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548							
7440-66-6	Zinc	C200.7	mg/kg	124							
7429-90-5	Aluminum	E200.7	mg/kg	7740	2740	J	1760	J			
7439-89-6	Iron	E200.7	mg/kg	2000	11400	J	6390	J			
7439-92-1	Lead	E200.7	mg/kg	30.2	80.9						
7439-95-4	Magnesium	E200.7	mg/kg	NL	1580	J	649				
7439-96-5	Manganese	E200.7	mg/kg	183	85.5	J					
7440-09-7	Potassium	E200.7	mg/kg	NL	611	J	631	U			
7440-23-5	Sodium	E200.7	mg/kg	NL	3060	J	1250				
7440-36-0	Antimony	E200.7	mg/kg	2							
7440-38-2	Arsenic	E200.7	mg/kg	0.389	6.9						
7440-50-8	Copper	E200.7	mg/kg	18.7	41.8	J					

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				sys_loc_code:	C27		C28		C29		
				loc_name:	Area-08		Area-08		Area-08		
				sys_sample_code:	C27 0-6		C28 0-6		C29 0-6		
				depth:	0-6 in		0-6 in		0-6 in		
				sample_date:	07/09/2009		07/09/2009		07/27/2009		
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED							
7440-66-6	Zinc	E200.7	mg/kg	124	115	J					
7440-70-2	Calcium	E200.7	mg/kg	NL	2330	J	3640				
7440-36-0	Antimony	E200.8	mg/kg	2	1.9		0.99	U	1.3	U	
7440-38-2	Arsenic	E200.8	mg/kg	0.389					5.9	J	
7440-39-3	Barium	E200.8	mg/kg	130.1	10.9		4.9	U	3.5	J	
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.34		0.25	U	0.32	U	
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.64		0.25	U	0.55		
7440-47-3	Chromium	E200.8	mg/kg	52.3	14.8		9.3		11.6		
7440-48-4	Cobalt	E200.8	mg/kg	2.34	2.7		1.4		1.5		
7440-50-8	Copper	E200.8	mg/kg	18.7					36.1	J	
7439-92-1	Lead	E200.8	mg/kg	30.2					38.9	J	
7439-96-5	Manganese	E200.8	mg/kg	183					21		
7440-02-0	Nickel	E200.8	mg/kg	15.9	6.2		3.5		5.1	J	
7782-49-2	Selenium	E200.8	mg/kg	2	0.43	J	0.26	J	0.42	J	
7440-22-4	Silver	E200.8	mg/kg	0.73	0.7	J	0.29	J	0.48	J	
7440-28-0	Thallium	E200.8	mg/kg	100000	0.51	U	0.49	U	64	U	
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	16.5		17.5		16.5		
7440-66-6	Zinc	E200.8	mg/kg	124					81.4	J	
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.45		0.11		0.09		
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6			2.2	UJ			
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357			4.3	U			
309-00-2	Aldrin	CPEST	ug/kg	2			2.2	U			
319-84-6	Alpha-Bhc	CPEST	ug/kg	3			2.2	U			
319-85-7	Beta-Bhc	CPEST	ug/kg	3			2.2	U			
319-86-8	Delta-Bhc	CPEST	ug/kg	3			2.2	U			
33213-65-9	Endosulfan II	CPEST	ug/kg	14			4.3	UJ			
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19			0.59	J			
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7			2.2	U			
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7			2.2	UJ			
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL			4.3	U			
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32			2.2	U			
60-57-1	Dieldrin	CPEST	ug/kg	0.72			4.3	U			
72-20-8	Endrin	CPEST	ug/kg	2.67			4.3	UJ			

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				sys_loc_code:	C27		C28		C29	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	C27 0-6		C28 0-6		C29 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/09/2009		07/09/2009		07/27/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
72-43-5	Methoxychlor	CPEST	ug/kg	29.6			22	U		
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22			4.3	UJ		
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07			0.45	J		
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL			4.3	U		
76-44-8	Heptachlor	CPEST	ug/kg	68			2.2	UJ		
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1			220	U		
959-98-8	Endosulfan I	CPEST	ug/kg	2.9			2.2	U		
11096-82-5	Aroclor 1260	E608	ug/kg	21.6			43	U		
11097-69-1	Aroclor 1254	E608	ug/kg	23			43	UJ		
11100-14-4	Aroclor 1268	E608	ug/kg	21.6			43	U		
11104-28-2	Aroclor 1221	E608	ug/kg	21.6			43	U		
11141-16-5	Aroclor 1232	E608	ug/kg	21.6			43	U		
12672-29-6	Aroclor 1248	E608	ug/kg	21.6			43	U		
12674-11-2	Aroclor 1016	E608	ug/kg	21.6			43	U		
37324-23-5	Aroclor 1262	E608	ug/kg	21.6			43	U		
53469-21-9	Aroclor 1242	E608	ug/kg	21.6			43	U		
100-41-4	Ethylbenzene	E624	ug/kg	305			6.6	U		
100-42-5	Styrene	E624	ug/kg	7070			6.6	U		
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL			6.6	U		
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL			6.6	U		
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460			6.6	U		
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7			6.6	U		
107-06-2	1,2-Dichloroethane	E624	ug/kg	432			6.6	U		
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000			13	U		
108-87-2	Methylcyclohexane	E624	ug/kg	NL			6.6	U		
108-88-3	Toluene	E624	ug/kg	1090			6.6	U		
108-90-7	Chlorobenzene	E624	ug/kg	162			6.6	U		
110-82-7	Cyclohexane	E624	ug/kg	117000			6.6	U		
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473			6.6	U		
123-91-1	1,4-Dioxane	E624	ug/kg	44100			130	R		
124-48-1	Dibromochloromethane	E624	ug/kg	680			6.6	U		
127-18-4	Tetrachloroethene	E624	ug/kg	190			6.6	U		
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200			6.6	U		

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				sys_loc_code:	C27		C28		C29	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	C27 0-6		C28 0-6		C29 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/09/2009		07/09/2009		07/27/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300			6.6	U		
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300			6.6	U		
179601-23-1	m,p-Xylene	E624	ug/kg	NL			6.6	U		
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842			6.6	U		
56-23-5	Carbon tetrachloride	E624	ug/kg	248			6.6	U		
591-78-6	2-Hexanone	E624	ug/kg	20900			13	U		
67-64-1	Acetone	E624	ug/kg	6130000			13	U		
67-66-3	Chloroform	E624	ug/kg	295			6.6	U		
71-43-2	Benzene	E624	ug/kg	137			6.6	U		
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856			6.6	U		
74-83-9	Bromomethane	E624	ug/kg	732			6.6	U		
74-87-3	Chloromethane	E624	ug/kg	11900			6.6	U		
74-97-5	Bromochloromethane	E624	ug/kg	NL			6.6	U		
75-00-3	Chloroethane	E624	ug/kg	1450000			6.6	U		
75-01-4	Vinyl Chloride	E624	ug/kg	59.7			6.6	U		
75-09-2	Methylene chloride	E624	ug/kg	10700			6.6	U		
75-15-0	Carbon Disulfide	E624	ug/kg	0.851			1.1	J		
75-25-2	Bromoform	E624	ug/kg	1310			6.6	U		
75-27-4	Bromodichloromethane	E624	ug/kg	273			6.6	U		
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310			6.6	U		
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780			6.6	U		
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700			6.6	U		
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400			6.6	U		
76-13-1	1,1,2-Trichloro-1,2,2-triflud	E624	ug/kg	910000			6.6	U		
78-87-5	1,2-Dichloropropane	E624	ug/kg	895			6.6	U		
78-93-3	2-Butanone	E624	ug/kg	2780000			13	U		
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570			6.6	U		
79-01-6	Trichloroethene	E624	ug/kg	1600			6.6	U		
79-20-9	Methyl Acetate	E624	ug/kg	7820000			6.6	U		
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202			6.6	U		
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858			6.6	U		
95-47-6	o-Xylene	E624	ug/kg	NL			6.6	U		
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989			6.6	U		

				sys_loc_code:	C27		C28		C29		
				loc_name:	Area-08		Area-08		Area-08		
				sys_sample_code:	C27 0-6		C28 0-6		C29 0-6		
				depth:	0-6 in		0-6 in		0-6 in		
				sample_date:	07/09/2009		07/09/2009		07/27/2009		
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED							
96-12-8	1,2-Dibromo-3-chloroprop	E624	ug/kg	5.35			6.6	U			
98-82-8	Isopropylbenzene	E624	ug/kg	86			6.6	U			
100-01-6	4-Nitroaniline	E625	ug/kg	24300			430	U			
100-02-7	4-Nitrophenol	E625	ug/kg	NL			430	U			
100-52-7	Benzaldehyde	E625	ug/kg	782000			46	J			
101-55-3	4-Bromophenyl Phenyl Eth	E625	ug/kg	1230			220	U			
105-60-2	Caprolactam	E625	ug/kg	3060000			220	U			
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29			220	U			
106-44-5	4-Methylphenol	E625	ug/kg	670			15	J			
106-47-8	4-Chloroaniline	E625	ug/kg	2430			220	U			
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570			220	U			
108-95-2	Phenol	E625	ug/kg	420			26	J			
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214			220	U			
111-91-1	Bis(2-Chloroethoxy) metha	E625	ug/kg	18300			220	U			
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182			90	J			
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL			220	U			
118-74-1	Hexachlorobenzene	E625	ug/kg	20			220	U			
120-12-7	Anthracene	E625	ug/kg	46.9			18	J			
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117			220	U			
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6			220	U			
129-00-0	Pyrene	E625	ug/kg	153			210	J			
131-11-3	Dimethylphthalate	E625	ug/kg	NL			220	U			
132-64-9	Dibenzofuran	E625	ug/kg	7300			220	U			
1912-24-9	Atrazine	E625	ug/kg	6.62			220	U			
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170			73	J			
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17			83	J			
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148			160	J			
206-44-0	Fluoranthene	E625	ug/kg	113			190	J			
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240			51	J			
208-96-8	Acenaphthylene	E625	ug/kg	5.87			220	U			
218-01-9	Chrysene	E625	ug/kg	108			98	J			
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8			100	J			
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200			430	U			

				sys_loc_code:	C27		C28		C29	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	C27 0-6		C28 0-6		C29 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/09/2009		07/09/2009		07/27/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
534-52-1	4,6-Dinitro-2-Methylpheno	E625	ug/kg	611			430	U		
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22			18	J		
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8			110	J		
58-90-2	Chlorophenols	E625	ug/kg	284			220	U		
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000			220	U		
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120			220	U		
621-64-7	N-Nitroso-Di-N-Propylamir	E625	ug/kg	69.4			220	U		
67-72-1	Hexachloroethane	E625	ug/kg	804			220	U		
7005-72-3	4-Chlorophenyl Phenyleth	E625	ug/kg	NL			220	U		
77-47-4	Hexachlorocyclopentadier	E625	ug/kg	139			220	U		
78-59-1	Isophorone	E625	ug/kg	511000			220	U		
83-32-9	Acenaphthene	E625	ug/kg	6.71			220	U		
84-66-2	Diethylphthalate	E625	ug/kg	218			7.6	J		
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160			9.6	J		
85-01-8	Phenanthrene	E625	ug/kg	86.7			86	J		
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800			9.3	J		
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100			220	U		
86-73-7	Fluorene	E625	ug/kg	19			8.3	J		
86-74-8	Carbazole	E625	ug/kg	NL			7.3	J		
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110			220	U		
87-86-5	Pentachlorophenol	E625	ug/kg	2970			430	U		
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650			220	U		
88-74-4	2-Nitroaniline	E625	ug/kg	60600			430	U		
88-75-5	2-Nitrophenol	E625	ug/kg	NL			220	U		
91-20-3	Naphthalene	E625	ug/kg	34.6			18	J		
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2			12	J		
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000			220	U		
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080			220	U		
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220			220	U		
95-48-7	2-Methylphenol	E625	ug/kg	306000			220	U		
95-57-8	2-Chlorophenol	E625	ug/kg	344			220	U		
95-94-3	1,2,4,5-Tetrachlorobenzer	E625	ug/kg	1830			220	U		
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819			220	U		

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				sys_loc_code:	C27		C28		C29	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	C27 0-6		C28 0-6		C29 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/09/2009		07/09/2009		07/27/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
98-86-2	Acetophenone	E625	ug/kg	782000			37	J		
98-95-3	Nitrobenzene	E625	ug/kg	4790			220	U		
99-09-2	3-Nitroaniline	E625	ug/kg	NL			430	U		

				sys_loc_code:	C3		C37		C38	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	C3 0-6		C37 0-6		C38 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/09/2009		07/09/2009		07/09/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
7429-90-5	Aluminum	C200.7	mg/kg	7740						
7440-36-0	Antimony	C200.7	mg/kg	2						
7440-38-2	Arsenic	C200.7	mg/kg	0.389						
7440-39-3	Barium	C200.7	mg/kg	130.1						
7440-41-7	Beryllium	C200.7	mg/kg	15.6						
7440-43-9	Cadmium	C200.7	mg/kg	0.68						
7440-70-2	Calcium	C200.7	mg/kg	NL						
7440-47-3	Chromium	C200.7	mg/kg	52.3						
7440-48-4	Cobalt	C200.7	mg/kg	2.34						
7440-50-8	Copper	C200.7	mg/kg	18.7						
7439-89-6	Iron	C200.7	mg/kg	2000						
7439-92-1	Lead	C200.7	mg/kg	30.2						
7439-95-4	Magnesium	C200.7	mg/kg	NL						
7439-96-5	Manganese	C200.7	mg/kg	183						
7440-02-0	Nickel	C200.7	mg/kg	15.9						
7440-09-7	Potassium	C200.7	mg/kg	NL						
7782-49-2	Selenium	C200.7	mg/kg	2						
7440-22-4	Silver	C200.7	mg/kg	0.73						
7440-23-5	Sodium	C200.7	mg/kg	NL						
7440-28-0	Thallium	C200.7	mg/kg	100000						
7440-31-5	Tin	C200.7	mg/kg	NL						
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548						
7440-66-6	Zinc	C200.7	mg/kg	124						
7429-90-5	Aluminum	E200.7	mg/kg	7740	1750	J	6830	J	5830	
7439-89-6	Iron	E200.7	mg/kg	2000	15800	J	24500	J	19500	J
7439-92-1	Lead	E200.7	mg/kg	30.2	440		425	J	275	
7439-95-4	Magnesium	E200.7	mg/kg	NL	636	J	4060	J	2960	
7439-96-5	Manganese	E200.7	mg/kg	183	57.7	J	201	J	152	J
7440-09-7	Potassium	E200.7	mg/kg	NL	191	J	1560	J	1220	
7440-23-5	Sodium	E200.7	mg/kg	NL	580	UJ	6740	J	4760	
7440-36-0	Antimony	E200.7	mg/kg	2						
7440-38-2	Arsenic	E200.7	mg/kg	0.389	10.2		17.8	J	13.9	
7440-50-8	Copper	E200.7	mg/kg	18.7	86.8	J	88.3	J	79.8	

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				sys_loc_code:	C3		C37		C38		
				loc_name:	Area-08		Area-08		Area-08		
				sys_sample_code:	C3 0-6		C37 0-6		C38 0-6		
				depth:	0-6 in		0-6 in		0-6 in		
				sample_date:	07/09/2009		07/09/2009		07/09/2009		
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED							
7440-66-6	Zinc	E200.7	mg/kg	124	72.3	J	227	J	224		
7440-70-2	Calcium	E200.7	mg/kg	NL	2170	J	3960	J	2630	J	
7440-36-0	Antimony	E200.8	mg/kg	2	7.6		11.1	J	6.1	J	
7440-38-2	Arsenic	E200.8	mg/kg	0.389							
7440-39-3	Barium	E200.8	mg/kg	130.1	10		35.2	J	21.9		
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.37		0.86	J	0.55		
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.28	U	1.3	J	1.3		
7440-47-3	Chromium	E200.8	mg/kg	52.3	46.6		35.2	J	26.4		
7440-48-4	Cobalt	E200.8	mg/kg	2.34	1.8		6.9	J	4.7	J	
7440-50-8	Copper	E200.8	mg/kg	18.7							
7439-92-1	Lead	E200.8	mg/kg	30.2							
7439-96-5	Manganese	E200.8	mg/kg	183							
7440-02-0	Nickel	E200.8	mg/kg	15.9	5		17.1	J	12.5		
7782-49-2	Selenium	E200.8	mg/kg	2	0.17	J	1	J	0.8	J	
7440-22-4	Silver	E200.8	mg/kg	0.73	0.28	UJ	1.7	J	1.4	J	
7440-28-0	Thallium	E200.8	mg/kg	100000	0.56	U	0.9	UJ	0.78	U	
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	27.6		33.4	J	25.6		
7440-66-6	Zinc	E200.8	mg/kg	124							
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.028	J	0.86	J	0.47		
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6			3.4	UJ			
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357			6.7	U			
309-00-2	Aldrin	CPEST	ug/kg	2			3.4	U			
319-84-6	Alpha-Bhc	CPEST	ug/kg	3			3.4	U			
319-85-7	Beta-Bhc	CPEST	ug/kg	3			3.4	U			
319-86-8	Delta-Bhc	CPEST	ug/kg	3			3.4	U			
33213-65-9	Endosulfan II	CPEST	ug/kg	14			6.7	UJ			
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19			6.7	UJ			
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7			3.4	U			
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7			3.4	U			
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL			6.7	U			
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32			3.4	UJ			
60-57-1	Dieldrin	CPEST	ug/kg	0.72			6.7	U			
72-20-8	Endrin	CPEST	ug/kg	2.67			6.7	UJ			

				sys_loc_code:	C3		C37		C38	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	C3 0-6		C37 0-6		C38 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/09/2009		07/09/2009		07/09/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
72-43-5	Methoxychlor	CPEST	ug/kg	29.6			34	UJ		
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22			6.7	UJ		
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07			6.7	U		
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL			6.7	U		
76-44-8	Heptachlor	CPEST	ug/kg	68			3.4	UJ		
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1			340	U		
959-98-8	Endosulfan I	CPEST	ug/kg	2.9			3.4	U		
11096-82-5	Aroclor 1260	E608	ug/kg	21.6			67	U		
11097-69-1	Aroclor 1254	E608	ug/kg	23			31	J		
11100-14-4	Aroclor 1268	E608	ug/kg	21.6			67	U		
11104-28-2	Aroclor 1221	E608	ug/kg	21.6			67	U		
11141-16-5	Aroclor 1232	E608	ug/kg	21.6			67	U		
12672-29-6	Aroclor 1248	E608	ug/kg	21.6			67	U		
12674-11-2	Aroclor 1016	E608	ug/kg	21.6			67	U		
37324-23-5	Aroclor 1262	E608	ug/kg	21.6			67	U		
53469-21-9	Aroclor 1242	E608	ug/kg	21.6			67	U		
100-41-4	Ethylbenzene	E624	ug/kg	305			15	U		
100-42-5	Styrene	E624	ug/kg	7070			15	U		
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL			15	U		
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL			15	U		
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460			15	U		
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7			15	U		
107-06-2	1,2-Dichloroethane	E624	ug/kg	432			15	U		
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000			29	U		
108-87-2	Methylcyclohexane	E624	ug/kg	NL			15	U		
108-88-3	Toluene	E624	ug/kg	1090			15	U		
108-90-7	Chlorobenzene	E624	ug/kg	162			15	U		
110-82-7	Cyclohexane	E624	ug/kg	117000			15	U		
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473			15	U		
123-91-1	1,4-Dioxane	E624	ug/kg	44100			290	R		
124-48-1	Dibromochloromethane	E624	ug/kg	680			15	U		
127-18-4	Tetrachloroethene	E624	ug/kg	190			15	U		
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200			15	U		

				sys_loc_code:	C3		C37		C38	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	C3 0-6		C37 0-6		C38 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/09/2009		07/09/2009		07/09/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300			15	U		
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300			15	U		
179601-23-1	m,p-Xylene	E624	ug/kg	NL			15	U		
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842			15	U		
56-23-5	Carbon tetrachloride	E624	ug/kg	248			15	U		
591-78-6	2-Hexanone	E624	ug/kg	20900			29	U		
67-64-1	Acetone	E624	ug/kg	6130000			29	U		
67-66-3	Chloroform	E624	ug/kg	295			15	U		
71-43-2	Benzene	E624	ug/kg	137			15	U		
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856			15	U		
74-83-9	Bromomethane	E624	ug/kg	732			15	U		
74-87-3	Chloromethane	E624	ug/kg	11900			15	U		
74-97-5	Bromochloromethane	E624	ug/kg	NL			15	U		
75-00-3	Chloroethane	E624	ug/kg	1450000			15	U		
75-01-4	Vinyl Chloride	E624	ug/kg	59.7			15	U		
75-09-2	Methylene chloride	E624	ug/kg	10700			15	U		
75-15-0	Carbon Disulfide	E624	ug/kg	0.851			5.6	J		
75-25-2	Bromoform	E624	ug/kg	1310			15	U		
75-27-4	Bromodichloromethane	E624	ug/kg	273			15	U		
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310			15	U		
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780			15	U		
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700			15	U		
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400			15	U		
76-13-1	1,1,2-Trichloro-1,2,2-triflu	E624	ug/kg	910000			15	U		
78-87-5	1,2-Dichloropropane	E624	ug/kg	895			15	U		
78-93-3	2-Butanone	E624	ug/kg	2780000			29	U		
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570			15	U		
79-01-6	Trichloroethene	E624	ug/kg	1600			15	U		
79-20-9	Methyl Acetate	E624	ug/kg	7820000			15	U		
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202			15	U		
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858			15	U		
95-47-6	o-Xylene	E624	ug/kg	NL			15	U		
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989			15	U		

				sys_loc_code:	C3		C37		C38	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	C3 0-6		C37 0-6		C38 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/09/2009		07/09/2009		07/09/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
96-12-8	1,2-Dibromo-3-chloroprop	E624	ug/kg	5.35			15	U		
98-82-8	Isopropylbenzene	E624	ug/kg	86			15	U		
100-01-6	4-Nitroaniline	E625	ug/kg	24300			670	U		
100-02-7	4-Nitrophenol	E625	ug/kg	NL			670	U		
100-52-7	Benzaldehyde	E625	ug/kg	782000			67	J		
101-55-3	4-Bromophenyl Phenyl Eth	E625	ug/kg	1230			340	U		
105-60-2	Caprolactam	E625	ug/kg	3060000			340	U		
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29			340	U		
106-44-5	4-Methylphenol	E625	ug/kg	670			17	J		
106-47-8	4-Chloroaniline	E625	ug/kg	2430			340	U		
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570			340	U		
108-95-2	Phenol	E625	ug/kg	420			34	J		
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214			340	U		
111-91-1	Bis(2-Chloroethoxy) metha	E625	ug/kg	18300			340	U		
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182			72	J		
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL			340	U		
118-74-1	Hexachlorobenzene	E625	ug/kg	20			340	U		
120-12-7	Anthracene	E625	ug/kg	46.9			13	J		
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117			340	U		
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6			340	U		
129-00-0	Pyrene	E625	ug/kg	153			110	J		
131-11-3	Dimethylphthalate	E625	ug/kg	NL			340	U		
132-64-9	Dibenzofuran	E625	ug/kg	7300			340	U		
1912-24-9	Atrazine	E625	ug/kg	6.62			340	U		
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170			50	J		
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17			56	J		
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148			120	J		
206-44-0	Fluoranthene	E625	ug/kg	113			130	J		
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240			21	J		
208-96-8	Acenaphthylene	E625	ug/kg	5.87			340	U		
218-01-9	Chrysene	E625	ug/kg	108			63	J		
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8			85	J		
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200			670	U		

				sys_loc_code:	C3		C37		C38	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	C3 0-6		C37 0-6		C38 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/09/2009		07/09/2009		07/09/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
534-52-1	4,6-Dinitro-2-Methylpheno	E625	ug/kg	611			670	U		
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22			13	J		
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8			71	J		
58-90-2	Chlorophenols	E625	ug/kg	284			340	U		
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000			340	U		
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120			340	U		
621-64-7	N-Nitroso-Di-N-Propylamir	E625	ug/kg	69.4			340	U		
67-72-1	Hexachloroethane	E625	ug/kg	804			340	U		
7005-72-3	4-Chlorophenyl Phenyleth	E625	ug/kg	NL			340	U		
77-47-4	Hexachlorocyclopentadier	E625	ug/kg	139			340	U		
78-59-1	Isophorone	E625	ug/kg	511000			340	U		
83-32-9	Acenaphthene	E625	ug/kg	6.71			340	U		
84-66-2	Diethylphthalate	E625	ug/kg	218			340	U		
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160			13	J		
85-01-8	Phenanthrene	E625	ug/kg	86.7			56	J		
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800			340	U		
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100			340	U		
86-73-7	Fluorene	E625	ug/kg	19			12	J		
86-74-8	Carbazole	E625	ug/kg	NL			340	U		
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110			340	U		
87-86-5	Pentachlorophenol	E625	ug/kg	2970			670	U		
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650			340	U		
88-74-4	2-Nitroaniline	E625	ug/kg	60600			670	U		
88-75-5	2-Nitrophenol	E625	ug/kg	NL			340	U		
91-20-3	Naphthalene	E625	ug/kg	34.6			20	J		
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2			340	U		
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000			340	U		
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080			340	U		
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220			340	U		
95-48-7	2-Methylphenol	E625	ug/kg	306000			340	U		
95-57-8	2-Chlorophenol	E625	ug/kg	344			340	U		
95-94-3	1,2,4,5-Tetrachlorobenzer	E625	ug/kg	1830			340	U		
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819			340	U		

				sys_loc_code:	C3		C37		C38	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	C3 0-6		C37 0-6		C38 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/09/2009		07/09/2009		07/09/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
98-86-2	Acetophenone	E625	ug/kg	782000			60	J		
98-95-3	Nitrobenzene	E625	ug/kg	4790			340	U		
99-09-2	3-Nitroaniline	E625	ug/kg	NL			670	U		

				sys_loc_code:	C39		C40		C41		
				loc_name:	Area-08		Area-08		Area-08		
				sys_sample_code:	C39 0-6		C40 0-6		C41 0-6		
				depth:	0-6 in		0-6 in		0-6 in		
				sample_date:	07/09/2009		07/09/2009		07/23/2009		
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED							
7429-90-5	Aluminum	C200.7	mg/kg	7740							
7440-36-0	Antimony	C200.7	mg/kg	2							
7440-38-2	Arsenic	C200.7	mg/kg	0.389							
7440-39-3	Barium	C200.7	mg/kg	130.1							
7440-41-7	Beryllium	C200.7	mg/kg	15.6							
7440-43-9	Cadmium	C200.7	mg/kg	0.68							
7440-70-2	Calcium	C200.7	mg/kg	NL							
7440-47-3	Chromium	C200.7	mg/kg	52.3							
7440-48-4	Cobalt	C200.7	mg/kg	2.34							
7440-50-8	Copper	C200.7	mg/kg	18.7							
7439-89-6	Iron	C200.7	mg/kg	2000							
7439-92-1	Lead	C200.7	mg/kg	30.2							
7439-95-4	Magnesium	C200.7	mg/kg	NL							
7439-96-5	Manganese	C200.7	mg/kg	183							
7440-02-0	Nickel	C200.7	mg/kg	15.9							
7440-09-7	Potassium	C200.7	mg/kg	NL							
7782-49-2	Selenium	C200.7	mg/kg	2							
7440-22-4	Silver	C200.7	mg/kg	0.73							
7440-23-5	Sodium	C200.7	mg/kg	NL							
7440-28-0	Thallium	C200.7	mg/kg	100000							
7440-31-5	Tin	C200.7	mg/kg	NL							
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548							
7440-66-6	Zinc	C200.7	mg/kg	124							
7429-90-5	Aluminum	E200.7	mg/kg	7740	2580		1820		1940		
7439-89-6	Iron	E200.7	mg/kg	2000	14400	J	15000	J	10300		
7439-92-1	Lead	E200.7	mg/kg	30.2	59.3		43.2				
7439-95-4	Magnesium	E200.7	mg/kg	NL	1020		811		716		
7439-96-5	Manganese	E200.7	mg/kg	183	42.5	J	39.8	J			
7440-09-7	Potassium	E200.7	mg/kg	NL	472		295	J	606	U	
7440-23-5	Sodium	E200.7	mg/kg	NL	1330		1670		1460		
7440-36-0	Antimony	E200.7	mg/kg	2							
7440-38-2	Arsenic	E200.7	mg/kg	0.389	9.4		10.3				
7440-50-8	Copper	E200.7	mg/kg	18.7	60.7		35.2				

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Area 8 Sediment < 12

					sys_loc_code:	C39		C40		C41	
					loc_name:	Area-08		Area-08		Area-08	
					sys_sample_code:	C39 0-6		C40 0-6		C41 0-6	
					depth:	0-6 in		0-6 in		0-6 in	
					sample_date:	07/09/2009		07/09/2009		07/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED							
7440-66-6	Zinc	E200.7	mg/kg	124		92.1		136			
7440-70-2	Calcium	E200.7	mg/kg	NL		1260	J	8780	J	1160	
7440-36-0	Antimony	E200.8	mg/kg	2		1.1	UJ	2	J	1.2	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389						6.6	J
7440-39-3	Barium	E200.8	mg/kg	130.1		9.2		6.1		6.1	UJ
7440-41-7	Beryllium	E200.8	mg/kg	15.6		0.3		0.35		0.3	U
7440-43-9	Cadmium	E200.8	mg/kg	0.68		0.74		1		0.43	
7440-47-3	Chromium	E200.8	mg/kg	52.3		19.7		17.2		13.3	
7440-48-4	Cobalt	E200.8	mg/kg	2.34		1.9	J	2.9	J	2.1	
7440-50-8	Copper	E200.8	mg/kg	18.7						27.8	
7439-92-1	Lead	E200.8	mg/kg	30.2						30.8	
7439-96-5	Manganese	E200.8	mg/kg	183						35.5	
7440-02-0	Nickel	E200.8	mg/kg	15.9		7.6		11.3		6.5	
7782-49-2	Selenium	E200.8	mg/kg	2		0.72	J	0.53	J	0.61	U
7440-22-4	Silver	E200.8	mg/kg	0.73		1.1	J	0.68	J	0.35	
7440-28-0	Thallium	E200.8	mg/kg	100000		0.55	U	0.5	U	0.61	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548		19.7		24.2		17.3	J
7440-66-6	Zinc	E200.8	mg/kg	124						76.9	
7439-97-6	Mercury	E245.5	mg/kg	0.13		0.38		0.26		0.18	
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6							
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357							
309-00-2	Aldrin	CPEST	ug/kg	2							
319-84-6	Alpha-Bhc	CPEST	ug/kg	3							
319-85-7	Beta-Bhc	CPEST	ug/kg	3							
319-86-8	Delta-Bhc	CPEST	ug/kg	3							
33213-65-9	Endosulfan II	CPEST	ug/kg	14							
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19							
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7							
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7							
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL							
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32							
60-57-1	Dieldrin	CPEST	ug/kg	0.72							
72-20-8	Endrin	CPEST	ug/kg	2.67							

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				sys_loc_code:	C39		C40		C41	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	C39 0-6		C40 0-6		C41 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/09/2009		07/09/2009		07/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
72-43-5	Methoxychlor	CPEST	ug/kg	29.6						
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22						
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07						
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL						
76-44-8	Heptachlor	CPEST	ug/kg	68						
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1						
959-98-8	Endosulfan I	CPEST	ug/kg	2.9						
11096-82-5	Aroclor 1260	E608	ug/kg	21.6						
11097-69-1	Aroclor 1254	E608	ug/kg	23						
11100-14-4	Aroclor 1268	E608	ug/kg	21.6						
11104-28-2	Aroclor 1221	E608	ug/kg	21.6						
11141-16-5	Aroclor 1232	E608	ug/kg	21.6						
12672-29-6	Aroclor 1248	E608	ug/kg	21.6						
12674-11-2	Aroclor 1016	E608	ug/kg	21.6						
37324-23-5	Aroclor 1262	E608	ug/kg	21.6						
53469-21-9	Aroclor 1242	E608	ug/kg	21.6						
100-41-4	Ethylbenzene	E624	ug/kg	305						
100-42-5	Styrene	E624	ug/kg	7070						
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL						
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL						
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460						
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7						
107-06-2	1,2-Dichloroethane	E624	ug/kg	432						
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000						
108-87-2	Methylcyclohexane	E624	ug/kg	NL						
108-88-3	Toluene	E624	ug/kg	1090						
108-90-7	Chlorobenzene	E624	ug/kg	162						
110-82-7	Cyclohexane	E624	ug/kg	117000						
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473						
123-91-1	1,4-Dioxane	E624	ug/kg	44100						
124-48-1	Dibromochloromethane	E624	ug/kg	680						
127-18-4	Tetrachloroethene	E624	ug/kg	190						
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200						

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				sys_loc_code:	C39		C40		C41	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	C39 0-6		C40 0-6		C41 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/09/2009		07/09/2009		07/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300						
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300						
179601-23-1	m,p-Xylene	E624	ug/kg	NL						
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842						
56-23-5	Carbon tetrachloride	E624	ug/kg	248						
591-78-6	2-Hexanone	E624	ug/kg	20900						
67-64-1	Acetone	E624	ug/kg	6130000						
67-66-3	Chloroform	E624	ug/kg	295						
71-43-2	Benzene	E624	ug/kg	137						
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856						
74-83-9	Bromomethane	E624	ug/kg	732						
74-87-3	Chloromethane	E624	ug/kg	11900						
74-97-5	Bromochloromethane	E624	ug/kg	NL						
75-00-3	Chloroethane	E624	ug/kg	1450000						
75-01-4	Vinyl Chloride	E624	ug/kg	59.7						
75-09-2	Methylene chloride	E624	ug/kg	10700						
75-15-0	Carbon Disulfide	E624	ug/kg	0.851						
75-25-2	Bromoform	E624	ug/kg	1310						
75-27-4	Bromodichloromethane	E624	ug/kg	273						
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310						
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780						
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700						
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400						
76-13-1	1,1,2-Trichloro-1,2,2-triflud	E624	ug/kg	910000						
78-87-5	1,2-Dichloropropane	E624	ug/kg	895						
78-93-3	2-Butanone	E624	ug/kg	2780000						
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570						
79-01-6	Trichloroethene	E624	ug/kg	1600						
79-20-9	Methyl Acetate	E624	ug/kg	7820000						
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202						
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858						
95-47-6	o-Xylene	E624	ug/kg	NL						
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989						

				sys_loc_code:	C39		C40		C41	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	C39 0-6		C40 0-6		C41 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/09/2009		07/09/2009		07/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
96-12-8	1,2-Dibromo-3-chloroprop	E624	ug/kg	5.35						
98-82-8	Isopropylbenzene	E624	ug/kg	86						
100-01-6	4-Nitroaniline	E625	ug/kg	24300						
100-02-7	4-Nitrophenol	E625	ug/kg	NL						
100-52-7	Benzaldehyde	E625	ug/kg	782000						
101-55-3	4-Bromophenyl Phenyl Eth	E625	ug/kg	1230						
105-60-2	Caprolactam	E625	ug/kg	3060000						
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29						
106-44-5	4-Methylphenol	E625	ug/kg	670						
106-47-8	4-Chloroaniline	E625	ug/kg	2430						
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570						
108-95-2	Phenol	E625	ug/kg	420						
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214						
111-91-1	Bis(2-Chloroethoxy) metha	E625	ug/kg	18300						
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182						
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL						
118-74-1	Hexachlorobenzene	E625	ug/kg	20						
120-12-7	Anthracene	E625	ug/kg	46.9						
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117						
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6						
129-00-0	Pyrene	E625	ug/kg	153						
131-11-3	Dimethylphthalate	E625	ug/kg	NL						
132-64-9	Dibenzofuran	E625	ug/kg	7300						
1912-24-9	Atrazine	E625	ug/kg	6.62						
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170						
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17						
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148						
206-44-0	Fluoranthene	E625	ug/kg	113						
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240						
208-96-8	Acenaphthylene	E625	ug/kg	5.87						
218-01-9	Chrysene	E625	ug/kg	108						
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8						
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200						

				sys_loc_code:	C39		C40		C41	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	C39 0-6		C40 0-6		C41 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/09/2009		07/09/2009		07/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
534-52-1	4,6-Dinitro-2-Methylpheno	E625	ug/kg	611						
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22						
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8						
58-90-2	Chlorophenols	E625	ug/kg	284						
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000						
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120						
621-64-7	N-Nitroso-Di-N-Propylamir	E625	ug/kg	69.4						
67-72-1	Hexachloroethane	E625	ug/kg	804						
7005-72-3	4-Chlorophenyl Phenyleth	E625	ug/kg	NL						
77-47-4	Hexachlorocyclopentadier	E625	ug/kg	139						
78-59-1	Isophorone	E625	ug/kg	511000						
83-32-9	Acenaphthene	E625	ug/kg	6.71						
84-66-2	Diethylphthalate	E625	ug/kg	218						
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160						
85-01-8	Phenanthrene	E625	ug/kg	86.7						
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800						
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100						
86-73-7	Fluorene	E625	ug/kg	19						
86-74-8	Carbazole	E625	ug/kg	NL						
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110						
87-86-5	Pentachlorophenol	E625	ug/kg	2970						
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650						
88-74-4	2-Nitroaniline	E625	ug/kg	60600						
88-75-5	2-Nitrophenol	E625	ug/kg	NL						
91-20-3	Naphthalene	E625	ug/kg	34.6						
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2						
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000						
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080						
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220						
95-48-7	2-Methylphenol	E625	ug/kg	306000						
95-57-8	2-Chlorophenol	E625	ug/kg	344						
95-94-3	1,2,4,5-Tetrachlorobenzer	E625	ug/kg	1830						
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819						

				sys_loc_code:	C39		C40		C41	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	C39 0-6		C40 0-6		C41 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/09/2009		07/09/2009		07/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
98-86-2	Acetophenone	E625	ug/kg	782000						
98-95-3	Nitrobenzene	E625	ug/kg	4790						
99-09-2	3-Nitroaniline	E625	ug/kg	NL						

				sys_loc_code:	C42		C48		C49		
				loc_name:	Area-08		Area-08		Area-08		
				sys_sample_code:	C42 0-6		C48 0-6		C49 0-6		
				depth:	0-6 in		0-6 in		0-6 in		
				sample_date:	07/13/2009		07/13/2009		07/13/2009		
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED							
7429-90-5	Aluminum	C200.7	mg/kg	7740							
7440-36-0	Antimony	C200.7	mg/kg	2							
7440-38-2	Arsenic	C200.7	mg/kg	0.389							
7440-39-3	Barium	C200.7	mg/kg	130.1							
7440-41-7	Beryllium	C200.7	mg/kg	15.6							
7440-43-9	Cadmium	C200.7	mg/kg	0.68							
7440-70-2	Calcium	C200.7	mg/kg	NL							
7440-47-3	Chromium	C200.7	mg/kg	52.3							
7440-48-4	Cobalt	C200.7	mg/kg	2.34							
7440-50-8	Copper	C200.7	mg/kg	18.7							
7439-89-6	Iron	C200.7	mg/kg	2000							
7439-92-1	Lead	C200.7	mg/kg	30.2							
7439-95-4	Magnesium	C200.7	mg/kg	NL							
7439-96-5	Manganese	C200.7	mg/kg	183							
7440-02-0	Nickel	C200.7	mg/kg	15.9							
7440-09-7	Potassium	C200.7	mg/kg	NL							
7782-49-2	Selenium	C200.7	mg/kg	2							
7440-22-4	Silver	C200.7	mg/kg	0.73							
7440-23-5	Sodium	C200.7	mg/kg	NL							
7440-28-0	Thallium	C200.7	mg/kg	100000							
7440-31-5	Tin	C200.7	mg/kg	NL							
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548							
7440-66-6	Zinc	C200.7	mg/kg	124							
7429-90-5	Aluminum	E200.7	mg/kg	7740	1140		9400	J	4710	J	
7439-89-6	Iron	E200.7	mg/kg	2000	7850	J	30800	J	19000	J	
7439-92-1	Lead	E200.7	mg/kg	30.2	17.4		736	J	363	J	
7439-95-4	Magnesium	E200.7	mg/kg	NL	595	J	5010	J	2440		
7439-96-5	Manganese	E200.7	mg/kg	183	28.3	J	292	J	133	J	
7440-09-7	Potassium	E200.7	mg/kg	NL	250	J	2040	J	957		
7440-23-5	Sodium	E200.7	mg/kg	NL	1710		8460	J	3890	J	
7440-36-0	Antimony	E200.7	mg/kg	2							
7440-38-2	Arsenic	E200.7	mg/kg	0.389	3.4	J	29.7	J	15.3	J	
7440-50-8	Copper	E200.7	mg/kg	18.7			193	J	92.8		

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					sys_loc_code:	C42		C48		C49	
					loc_name:	Area-08		Area-08		Area-08	
					sys_sample_code:	C42 0-6		C48 0-6		C49 0-6	
					depth:	0-6 in		0-6 in		0-6 in	
					sample_date:	07/13/2009		07/13/2009		07/13/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED							
7440-66-6	Zinc	E200.7	mg/kg	124		52.5	J	356	J	250	J
7440-70-2	Calcium	E200.7	mg/kg	NL		948	J	3800	R	4090	
7440-36-0	Antimony	E200.8	mg/kg	2		1.2	U	8.8	J	9	
7440-38-2	Arsenic	E200.8	mg/kg	0.389							
7440-39-3	Barium	E200.8	mg/kg	130.1		3.4	J	45.4	J	19.4	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6		0.3	U	0.97	J	0.56	
7440-43-9	Cadmium	E200.8	mg/kg	0.68		0.3	U	2.3	J	1.4	
7440-47-3	Chromium	E200.8	mg/kg	52.3		12.6		61.3	J	28.8	
7440-48-4	Cobalt	E200.8	mg/kg	2.34		1.8	J	8.1	J	4.7	J
7440-50-8	Copper	E200.8	mg/kg	18.7		17.1					
7439-92-1	Lead	E200.8	mg/kg	30.2							
7439-96-5	Manganese	E200.8	mg/kg	183							
7440-02-0	Nickel	E200.8	mg/kg	15.9		3.5		25	J	13.1	J
7782-49-2	Selenium	E200.8	mg/kg	2		0.26	J	2.1	J	1.1	
7440-22-4	Silver	E200.8	mg/kg	0.73		0.3	UJ	3.3	J	2	J
7440-28-0	Thallium	E200.8	mg/kg	100000		0.59	U	1.1	UJ	0.74	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548		16.5		43.7	J	28.3	
7440-66-6	Zinc	E200.8	mg/kg	124							
7439-97-6	Mercury	E245.5	mg/kg	0.13		0.099		1.7	J	0.87	
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6							
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357							
309-00-2	Aldrin	CPEST	ug/kg	2							
319-84-6	Alpha-Bhc	CPEST	ug/kg	3							
319-85-7	Beta-Bhc	CPEST	ug/kg	3							
319-86-8	Delta-Bhc	CPEST	ug/kg	3							
33213-65-9	Endosulfan II	CPEST	ug/kg	14							
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19							
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7							
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7							
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL							
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32							
60-57-1	Dieldrin	CPEST	ug/kg	0.72							
72-20-8	Endrin	CPEST	ug/kg	2.67							

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				sys_loc_code:	C42		C48		C49	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	C42 0-6		C48 0-6		C49 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/13/2009		07/13/2009		07/13/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
72-43-5	Methoxychlor	CPEST	ug/kg	29.6						
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22						
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07						
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL						
76-44-8	Heptachlor	CPEST	ug/kg	68						
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1						
959-98-8	Endosulfan I	CPEST	ug/kg	2.9						
11096-82-5	Aroclor 1260	E608	ug/kg	21.6						
11097-69-1	Aroclor 1254	E608	ug/kg	23						
11100-14-4	Aroclor 1268	E608	ug/kg	21.6						
11104-28-2	Aroclor 1221	E608	ug/kg	21.6						
11141-16-5	Aroclor 1232	E608	ug/kg	21.6						
12672-29-6	Aroclor 1248	E608	ug/kg	21.6						
12674-11-2	Aroclor 1016	E608	ug/kg	21.6						
37324-23-5	Aroclor 1262	E608	ug/kg	21.6						
53469-21-9	Aroclor 1242	E608	ug/kg	21.6						
100-41-4	Ethylbenzene	E624	ug/kg	305						
100-42-5	Styrene	E624	ug/kg	7070						
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL						
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL						
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460						
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7						
107-06-2	1,2-Dichloroethane	E624	ug/kg	432						
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000						
108-87-2	Methylcyclohexane	E624	ug/kg	NL						
108-88-3	Toluene	E624	ug/kg	1090						
108-90-7	Chlorobenzene	E624	ug/kg	162						
110-82-7	Cyclohexane	E624	ug/kg	117000						
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473						
123-91-1	1,4-Dioxane	E624	ug/kg	44100						
124-48-1	Dibromochloromethane	E624	ug/kg	680						
127-18-4	Tetrachloroethene	E624	ug/kg	190						
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200						

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				sys_loc_code:	C42		C48		C49	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	C42 0-6		C48 0-6		C49 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/13/2009		07/13/2009		07/13/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300						
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300						
179601-23-1	m,p-Xylene	E624	ug/kg	NL						
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842						
56-23-5	Carbon tetrachloride	E624	ug/kg	248						
591-78-6	2-Hexanone	E624	ug/kg	20900						
67-64-1	Acetone	E624	ug/kg	6130000						
67-66-3	Chloroform	E624	ug/kg	295						
71-43-2	Benzene	E624	ug/kg	137						
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856						
74-83-9	Bromomethane	E624	ug/kg	732						
74-87-3	Chloromethane	E624	ug/kg	11900						
74-97-5	Bromochloromethane	E624	ug/kg	NL						
75-00-3	Chloroethane	E624	ug/kg	1450000						
75-01-4	Vinyl Chloride	E624	ug/kg	59.7						
75-09-2	Methylene chloride	E624	ug/kg	10700						
75-15-0	Carbon Disulfide	E624	ug/kg	0.851						
75-25-2	Bromoform	E624	ug/kg	1310						
75-27-4	Bromodichloromethane	E624	ug/kg	273						
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310						
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780						
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700						
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400						
76-13-1	1,1,2-Trichloro-1,2,2-triflud	E624	ug/kg	910000						
78-87-5	1,2-Dichloropropane	E624	ug/kg	895						
78-93-3	2-Butanone	E624	ug/kg	2780000						
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570						
79-01-6	Trichloroethene	E624	ug/kg	1600						
79-20-9	Methyl Acetate	E624	ug/kg	7820000						
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202						
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858						
95-47-6	o-Xylene	E624	ug/kg	NL						
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989						

				sys_loc_code:	C42		C48		C49	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	C42 0-6		C48 0-6		C49 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/13/2009		07/13/2009		07/13/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
96-12-8	1,2-Dibromo-3-chloroprop	E624	ug/kg	5.35						
98-82-8	Isopropylbenzene	E624	ug/kg	86						
100-01-6	4-Nitroaniline	E625	ug/kg	24300						
100-02-7	4-Nitrophenol	E625	ug/kg	NL						
100-52-7	Benzaldehyde	E625	ug/kg	782000						
101-55-3	4-Bromophenyl Phenyl Eth	E625	ug/kg	1230						
105-60-2	Caprolactam	E625	ug/kg	3060000						
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29						
106-44-5	4-Methylphenol	E625	ug/kg	670						
106-47-8	4-Chloroaniline	E625	ug/kg	2430						
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570						
108-95-2	Phenol	E625	ug/kg	420						
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214						
111-91-1	Bis(2-Chloroethoxy) metha	E625	ug/kg	18300						
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182						
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL						
118-74-1	Hexachlorobenzene	E625	ug/kg	20						
120-12-7	Anthracene	E625	ug/kg	46.9						
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117						
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6						
129-00-0	Pyrene	E625	ug/kg	153						
131-11-3	Dimethylphthalate	E625	ug/kg	NL						
132-64-9	Dibenzofuran	E625	ug/kg	7300						
1912-24-9	Atrazine	E625	ug/kg	6.62						
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170						
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17						
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148						
206-44-0	Fluoranthene	E625	ug/kg	113						
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240						
208-96-8	Acenaphthylene	E625	ug/kg	5.87						
218-01-9	Chrysene	E625	ug/kg	108						
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8						
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200						

				sys_loc_code:	C42		C48		C49	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	C42 0-6		C48 0-6		C49 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/13/2009		07/13/2009		07/13/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
534-52-1	4,6-Dinitro-2-Methylpheno	E625	ug/kg	611						
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22						
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8						
58-90-2	Chlorophenols	E625	ug/kg	284						
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000						
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120						
621-64-7	N-Nitroso-Di-N-Propylamir	E625	ug/kg	69.4						
67-72-1	Hexachloroethane	E625	ug/kg	804						
7005-72-3	4-Chlorophenyl Phenyleth	E625	ug/kg	NL						
77-47-4	Hexachlorocyclopentadier	E625	ug/kg	139						
78-59-1	Isophorone	E625	ug/kg	511000						
83-32-9	Acenaphthene	E625	ug/kg	6.71						
84-66-2	Diethylphthalate	E625	ug/kg	218						
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160						
85-01-8	Phenanthrene	E625	ug/kg	86.7						
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800						
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100						
86-73-7	Fluorene	E625	ug/kg	19						
86-74-8	Carbazole	E625	ug/kg	NL						
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110						
87-86-5	Pentachlorophenol	E625	ug/kg	2970						
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650						
88-74-4	2-Nitroaniline	E625	ug/kg	60600						
88-75-5	2-Nitrophenol	E625	ug/kg	NL						
91-20-3	Naphthalene	E625	ug/kg	34.6						
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2						
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000						
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080						
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220						
95-48-7	2-Methylphenol	E625	ug/kg	306000						
95-57-8	2-Chlorophenol	E625	ug/kg	344						
95-94-3	1,2,4,5-Tetrachlorobenzer	E625	ug/kg	1830						
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819						

				sys_loc_code:	C42		C48		C49	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	C42 0-6		C48 0-6		C49 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/13/2009		07/13/2009		07/13/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
98-86-2	Acetophenone	E625	ug/kg	782000						
98-95-3	Nitrobenzene	E625	ug/kg	4790						
99-09-2	3-Nitroaniline	E625	ug/kg	NL						

				sys_loc_code:	C50		C51		C52		
				loc_name:	Area-08		Area-08		Area-08		
				sys_sample_code:	C50 0-6		C51 0-6		C52 0-6		
				depth:	0-6 in		0-6 in		0-6 in		
				sample_date:	07/13/2009		07/27/2009		07/13/2009		
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED							
7429-90-5	Aluminum	C200.7	mg/kg	7740							
7440-36-0	Antimony	C200.7	mg/kg	2							
7440-38-2	Arsenic	C200.7	mg/kg	0.389							
7440-39-3	Barium	C200.7	mg/kg	130.1							
7440-41-7	Beryllium	C200.7	mg/kg	15.6							
7440-43-9	Cadmium	C200.7	mg/kg	0.68							
7440-70-2	Calcium	C200.7	mg/kg	NL							
7440-47-3	Chromium	C200.7	mg/kg	52.3							
7440-48-4	Cobalt	C200.7	mg/kg	2.34							
7440-50-8	Copper	C200.7	mg/kg	18.7							
7439-89-6	Iron	C200.7	mg/kg	2000							
7439-92-1	Lead	C200.7	mg/kg	30.2							
7439-95-4	Magnesium	C200.7	mg/kg	NL							
7439-96-5	Manganese	C200.7	mg/kg	183							
7440-02-0	Nickel	C200.7	mg/kg	15.9							
7440-09-7	Potassium	C200.7	mg/kg	NL							
7782-49-2	Selenium	C200.7	mg/kg	2							
7440-22-4	Silver	C200.7	mg/kg	0.73							
7440-23-5	Sodium	C200.7	mg/kg	NL							
7440-28-0	Thallium	C200.7	mg/kg	100000							
7440-31-5	Tin	C200.7	mg/kg	NL							
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548							
7440-66-6	Zinc	C200.7	mg/kg	124							
7429-90-5	Aluminum	E200.7	mg/kg	7740	1910	J			1250		
7439-89-6	Iron	E200.7	mg/kg	2000	29100	J			9940	J	
7439-92-1	Lead	E200.7	mg/kg	30.2	36.8	J			26.2		
7439-95-4	Magnesium	E200.7	mg/kg	NL	812				607		
7439-96-5	Manganese	E200.7	mg/kg	183	95.1	J			44.1	J	
7440-09-7	Potassium	E200.7	mg/kg	NL	232	J			224	J	
7440-23-5	Sodium	E200.7	mg/kg	NL	1490	J			1840		
7440-36-0	Antimony	E200.7	mg/kg	2							
7440-38-2	Arsenic	E200.7	mg/kg	0.389	14.5	J			7.2		
7440-50-8	Copper	E200.7	mg/kg	18.7	22.2						

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				sys_loc_code:	C50			C51		C52	
				loc_name:	Area-08			Area-08		Area-08	
				sys_sample_code:	C50 0-6			C51 0-6		C52 0-6	
				depth:	0-6 in			0-6 in		0-6 in	
				sample_date:	07/13/2009			07/27/2009		07/13/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED							
7440-66-6	Zinc	E200.7	mg/kg	124	92.9	J				79.4	J
7440-70-2	Calcium	E200.7	mg/kg	NL	5670					975	J
7440-36-0	Antimony	E200.8	mg/kg	2	1.2		1.5			2	
7440-38-2	Arsenic	E200.8	mg/kg	0.389			9.4	J			
7440-39-3	Barium	E200.8	mg/kg	130.1	5.8	UJ	4.7	J		5.4	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.29	U	0.3	U		0.76	
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.51		0.51			0.43	
7440-47-3	Chromium	E200.8	mg/kg	52.3	13.4		17.7			28.6	
7440-48-4	Cobalt	E200.8	mg/kg	2.34	1.9	J	2.3			2.7	J
7440-50-8	Copper	E200.8	mg/kg	18.7			23.8	J		34.7	
7439-92-1	Lead	E200.8	mg/kg	30.2			34.5	J			
7439-96-5	Manganese	E200.8	mg/kg	183			47.1				
7440-02-0	Nickel	E200.8	mg/kg	15.9	8	J	6.8	J		10.6	
7782-49-2	Selenium	E200.8	mg/kg	2	0.82		0.69			1.9	
7440-22-4	Silver	E200.8	mg/kg	0.73	0.4	J	0.33	J		0.41	J
7440-28-0	Thallium	E200.8	mg/kg	100000	0.58	U	0.59	U		0.6	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	23.8		24.6			37.9	
7440-66-6	Zinc	E200.8	mg/kg	124			91.8	J			
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.16		0.17			0.19	
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6							
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357							
309-00-2	Aldrin	CPEST	ug/kg	2							
319-84-6	Alpha-Bhc	CPEST	ug/kg	3							
319-85-7	Beta-Bhc	CPEST	ug/kg	3							
319-86-8	Delta-Bhc	CPEST	ug/kg	3							
33213-65-9	Endosulfan II	CPEST	ug/kg	14							
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19							
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7							
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7							
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL							
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32							
60-57-1	Dieldrin	CPEST	ug/kg	0.72							
72-20-8	Endrin	CPEST	ug/kg	2.67							

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				sys_loc_code:	C50		C51		C52	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	C50 0-6		C51 0-6		C52 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/13/2009		07/27/2009		07/13/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
72-43-5	Methoxychlor	CPEST	ug/kg	29.6						
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22						
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07						
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL						
76-44-8	Heptachlor	CPEST	ug/kg	68						
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1						
959-98-8	Endosulfan I	CPEST	ug/kg	2.9						
11096-82-5	Aroclor 1260	E608	ug/kg	21.6						
11097-69-1	Aroclor 1254	E608	ug/kg	23						
11100-14-4	Aroclor 1268	E608	ug/kg	21.6						
11104-28-2	Aroclor 1221	E608	ug/kg	21.6						
11141-16-5	Aroclor 1232	E608	ug/kg	21.6						
12672-29-6	Aroclor 1248	E608	ug/kg	21.6						
12674-11-2	Aroclor 1016	E608	ug/kg	21.6						
37324-23-5	Aroclor 1262	E608	ug/kg	21.6						
53469-21-9	Aroclor 1242	E608	ug/kg	21.6						
100-41-4	Ethylbenzene	E624	ug/kg	305						
100-42-5	Styrene	E624	ug/kg	7070						
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL						
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL						
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460						
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7						
107-06-2	1,2-Dichloroethane	E624	ug/kg	432						
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000						
108-87-2	Methylcyclohexane	E624	ug/kg	NL						
108-88-3	Toluene	E624	ug/kg	1090						
108-90-7	Chlorobenzene	E624	ug/kg	162						
110-82-7	Cyclohexane	E624	ug/kg	117000						
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473						
123-91-1	1,4-Dioxane	E624	ug/kg	44100						
124-48-1	Dibromochloromethane	E624	ug/kg	680						
127-18-4	Tetrachloroethene	E624	ug/kg	190						
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200						

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				sys_loc_code:	C50		C51		C52	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	C50 0-6		C51 0-6		C52 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/13/2009		07/27/2009		07/13/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300						
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300						
179601-23-1	m,p-Xylene	E624	ug/kg	NL						
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842						
56-23-5	Carbon tetrachloride	E624	ug/kg	248						
591-78-6	2-Hexanone	E624	ug/kg	20900						
67-64-1	Acetone	E624	ug/kg	6130000						
67-66-3	Chloroform	E624	ug/kg	295						
71-43-2	Benzene	E624	ug/kg	137						
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856						
74-83-9	Bromomethane	E624	ug/kg	732						
74-87-3	Chloromethane	E624	ug/kg	11900						
74-97-5	Bromochloromethane	E624	ug/kg	NL						
75-00-3	Chloroethane	E624	ug/kg	1450000						
75-01-4	Vinyl Chloride	E624	ug/kg	59.7						
75-09-2	Methylene chloride	E624	ug/kg	10700						
75-15-0	Carbon Disulfide	E624	ug/kg	0.851						
75-25-2	Bromoform	E624	ug/kg	1310						
75-27-4	Bromodichloromethane	E624	ug/kg	273						
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310						
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780						
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700						
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400						
76-13-1	1,1,2-Trichloro-1,2,2-trifluo	E624	ug/kg	910000						
78-87-5	1,2-Dichloropropane	E624	ug/kg	895						
78-93-3	2-Butanone	E624	ug/kg	2780000						
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570						
79-01-6	Trichloroethene	E624	ug/kg	1600						
79-20-9	Methyl Acetate	E624	ug/kg	7820000						
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202						
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858						
95-47-6	o-Xylene	E624	ug/kg	NL						
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989						

				sys_loc_code:	C50		C51		C52	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	C50 0-6		C51 0-6		C52 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/13/2009		07/27/2009		07/13/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
96-12-8	1,2-Dibromo-3-chloroprop	E624	ug/kg	5.35						
98-82-8	Isopropylbenzene	E624	ug/kg	86						
100-01-6	4-Nitroaniline	E625	ug/kg	24300						
100-02-7	4-Nitrophenol	E625	ug/kg	NL						
100-52-7	Benzaldehyde	E625	ug/kg	782000						
101-55-3	4-Bromophenyl Phenyl Eth	E625	ug/kg	1230						
105-60-2	Caprolactam	E625	ug/kg	3060000						
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29						
106-44-5	4-Methylphenol	E625	ug/kg	670						
106-47-8	4-Chloroaniline	E625	ug/kg	2430						
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570						
108-95-2	Phenol	E625	ug/kg	420						
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214						
111-91-1	Bis(2-Chloroethoxy) metha	E625	ug/kg	18300						
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182						
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL						
118-74-1	Hexachlorobenzene	E625	ug/kg	20						
120-12-7	Anthracene	E625	ug/kg	46.9						
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117						
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6						
129-00-0	Pyrene	E625	ug/kg	153						
131-11-3	Dimethylphthalate	E625	ug/kg	NL						
132-64-9	Dibenzofuran	E625	ug/kg	7300						
1912-24-9	Atrazine	E625	ug/kg	6.62						
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170						
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17						
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148						
206-44-0	Fluoranthene	E625	ug/kg	113						
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240						
208-96-8	Acenaphthylene	E625	ug/kg	5.87						
218-01-9	Chrysene	E625	ug/kg	108						
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8						
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200						

				sys_loc_code:	C50		C51		C52	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	C50 0-6		C51 0-6		C52 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/13/2009		07/27/2009		07/13/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
534-52-1	4,6-Dinitro-2-Methylpheno	E625	ug/kg	611						
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22						
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8						
58-90-2	Chlorophenols	E625	ug/kg	284						
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000						
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120						
621-64-7	N-Nitroso-Di-N-Propylamir	E625	ug/kg	69.4						
67-72-1	Hexachloroethane	E625	ug/kg	804						
7005-72-3	4-Chlorophenyl Phenyleth	E625	ug/kg	NL						
77-47-4	Hexachlorocyclopentadier	E625	ug/kg	139						
78-59-1	Isophorone	E625	ug/kg	511000						
83-32-9	Acenaphthene	E625	ug/kg	6.71						
84-66-2	Diethylphthalate	E625	ug/kg	218						
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160						
85-01-8	Phenanthrene	E625	ug/kg	86.7						
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800						
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100						
86-73-7	Fluorene	E625	ug/kg	19						
86-74-8	Carbazole	E625	ug/kg	NL						
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110						
87-86-5	Pentachlorophenol	E625	ug/kg	2970						
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650						
88-74-4	2-Nitroaniline	E625	ug/kg	60600						
88-75-5	2-Nitrophenol	E625	ug/kg	NL						
91-20-3	Naphthalene	E625	ug/kg	34.6						
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2						
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000						
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080						
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220						
95-48-7	2-Methylphenol	E625	ug/kg	306000						
95-57-8	2-Chlorophenol	E625	ug/kg	344						
95-94-3	1,2,4,5-Tetrachlorobenzer	E625	ug/kg	1830						
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819						

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				sys_loc_code:	C50		C51		C52	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	C50 0-6		C51 0-6		C52 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/13/2009		07/27/2009		07/13/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
98-86-2	Acetophenone	E625	ug/kg	782000						
98-95-3	Nitrobenzene	E625	ug/kg	4790						
99-09-2	3-Nitroaniline	E625	ug/kg	NL						

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				sys_loc_code:	C57		C58		C59		
				loc_name:	Area-08		Area-08		Area-08		
				sys_sample_code:	C57 0-6		C58 0-6		C59 0-6		
				depth:	0-6 in		0-6 in		0-6 in		
				sample_date:	07/13/2009		07/13/2009		07/13/2009		
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED							
7429-90-5	Aluminum	C200.7	mg/kg	7740							
7440-36-0	Antimony	C200.7	mg/kg	2							
7440-38-2	Arsenic	C200.7	mg/kg	0.389							
7440-39-3	Barium	C200.7	mg/kg	130.1							
7440-41-7	Beryllium	C200.7	mg/kg	15.6							
7440-43-9	Cadmium	C200.7	mg/kg	0.68							
7440-70-2	Calcium	C200.7	mg/kg	NL							
7440-47-3	Chromium	C200.7	mg/kg	52.3							
7440-48-4	Cobalt	C200.7	mg/kg	2.34							
7440-50-8	Copper	C200.7	mg/kg	18.7							
7439-89-6	Iron	C200.7	mg/kg	2000							
7439-92-1	Lead	C200.7	mg/kg	30.2							
7439-95-4	Magnesium	C200.7	mg/kg	NL							
7439-96-5	Manganese	C200.7	mg/kg	183							
7440-02-0	Nickel	C200.7	mg/kg	15.9							
7440-09-7	Potassium	C200.7	mg/kg	NL							
7782-49-2	Selenium	C200.7	mg/kg	2							
7440-22-4	Silver	C200.7	mg/kg	0.73							
7440-23-5	Sodium	C200.7	mg/kg	NL							
7440-28-0	Thallium	C200.7	mg/kg	100000							
7440-31-5	Tin	C200.7	mg/kg	NL							
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548							
7440-66-6	Zinc	C200.7	mg/kg	124							
7429-90-5	Aluminum	E200.7	mg/kg	7740	7390	J	5530	J	1180	J	
7439-89-6	Iron	E200.7	mg/kg	2000	24700	J	20800	J	15000	J	
7439-92-1	Lead	E200.7	mg/kg	30.2	521	J	369	J	37.6	J	
7439-95-4	Magnesium	E200.7	mg/kg	NL	4170	J	3050		576		
7439-96-5	Manganese	E200.7	mg/kg	183	198	J	180	J	41.8	J	
7440-09-7	Potassium	E200.7	mg/kg	NL	1590	J	1230		195	J	
7440-23-5	Sodium	E200.7	mg/kg	NL	7170	J	5300	J	1380	J	
7440-36-0	Antimony	E200.7	mg/kg	2							
7440-38-2	Arsenic	E200.7	mg/kg	0.389	20.9	J	18.2	J	7.4	J	
7440-50-8	Copper	E200.7	mg/kg	18.7	85.7	J	94.8		15.5		

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					sys_loc_code:	C57		C58		C59	
					loc_name:	Area-08		Area-08		Area-08	
					sys_sample_code:	C57 0-6		C58 0-6		C59 0-6	
					depth:	0-6 in		0-6 in		0-6 in	
					sample_date:	07/13/2009		07/13/2009		07/13/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED							
7440-66-6	Zinc	E200.7	mg/kg	124		203	J	238	J	54.9	J
7440-70-2	Calcium	E200.7	mg/kg	NL		5770	J	5920		788	R
7440-36-0	Antimony	E200.8	mg/kg	2		15.4	J	14.3		2.1	
7440-38-2	Arsenic	E200.8	mg/kg	0.389							
7440-39-3	Barium	E200.8	mg/kg	130.1		31	J	23	J	2.6	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6		0.84	J	0.65		0.28	U
7440-43-9	Cadmium	E200.8	mg/kg	0.68		1	J	1.4		0.19	J
7440-47-3	Chromium	E200.8	mg/kg	52.3		36.9	J	32.5		14.4	
7440-48-4	Cobalt	E200.8	mg/kg	2.34		7.3	J	5.6	J	1.7	J
7440-50-8	Copper	E200.8	mg/kg	18.7							
7439-92-1	Lead	E200.8	mg/kg	30.2							
7439-96-5	Manganese	E200.8	mg/kg	183							
7440-02-0	Nickel	E200.8	mg/kg	15.9		17.7	J	14.7	J	2.9	J
7782-49-2	Selenium	E200.8	mg/kg	2		1	J	0.92		0.26	J
7440-22-4	Silver	E200.8	mg/kg	0.73		1.5	J	1.6	J	0.28	UJ
7440-28-0	Thallium	E200.8	mg/kg	100000		1	UJ	0.83	U	0.57	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548		35.2	J	32.4		18.6	
7440-66-6	Zinc	E200.8	mg/kg	124							
7439-97-6	Mercury	E245.5	mg/kg	0.13		0.71	J	0.59		0.11	
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6							
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357							
309-00-2	Aldrin	CPEST	ug/kg	2							
319-84-6	Alpha-Bhc	CPEST	ug/kg	3							
319-85-7	Beta-Bhc	CPEST	ug/kg	3							
319-86-8	Delta-Bhc	CPEST	ug/kg	3							
33213-65-9	Endosulfan II	CPEST	ug/kg	14							
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19							
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7							
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7							
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL							
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32							
60-57-1	Dieldrin	CPEST	ug/kg	0.72							
72-20-8	Endrin	CPEST	ug/kg	2.67							

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				sys_loc_code:	C57		C58		C59	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	C57 0-6		C58 0-6		C59 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/13/2009		07/13/2009		07/13/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
72-43-5	Methoxychlor	CPEST	ug/kg	29.6						
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22						
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07						
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL						
76-44-8	Heptachlor	CPEST	ug/kg	68						
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1						
959-98-8	Endosulfan I	CPEST	ug/kg	2.9						
11096-82-5	Aroclor 1260	E608	ug/kg	21.6						
11097-69-1	Aroclor 1254	E608	ug/kg	23						
11100-14-4	Aroclor 1268	E608	ug/kg	21.6						
11104-28-2	Aroclor 1221	E608	ug/kg	21.6						
11141-16-5	Aroclor 1232	E608	ug/kg	21.6						
12672-29-6	Aroclor 1248	E608	ug/kg	21.6						
12674-11-2	Aroclor 1016	E608	ug/kg	21.6						
37324-23-5	Aroclor 1262	E608	ug/kg	21.6						
53469-21-9	Aroclor 1242	E608	ug/kg	21.6						
100-41-4	Ethylbenzene	E624	ug/kg	305						
100-42-5	Styrene	E624	ug/kg	7070						
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL						
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL						
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460						
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7						
107-06-2	1,2-Dichloroethane	E624	ug/kg	432						
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000						
108-87-2	Methylcyclohexane	E624	ug/kg	NL						
108-88-3	Toluene	E624	ug/kg	1090						
108-90-7	Chlorobenzene	E624	ug/kg	162						
110-82-7	Cyclohexane	E624	ug/kg	117000						
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473						
123-91-1	1,4-Dioxane	E624	ug/kg	44100						
124-48-1	Dibromochloromethane	E624	ug/kg	680						
127-18-4	Tetrachloroethene	E624	ug/kg	190						
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200						

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				sys_loc_code:	C57		C58		C59	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	C57 0-6		C58 0-6		C59 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/13/2009		07/13/2009		07/13/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300						
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300						
179601-23-1	m,p-Xylene	E624	ug/kg	NL						
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842						
56-23-5	Carbon tetrachloride	E624	ug/kg	248						
591-78-6	2-Hexanone	E624	ug/kg	20900						
67-64-1	Acetone	E624	ug/kg	6130000						
67-66-3	Chloroform	E624	ug/kg	295						
71-43-2	Benzene	E624	ug/kg	137						
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856						
74-83-9	Bromomethane	E624	ug/kg	732						
74-87-3	Chloromethane	E624	ug/kg	11900						
74-97-5	Bromochloromethane	E624	ug/kg	NL						
75-00-3	Chloroethane	E624	ug/kg	1450000						
75-01-4	Vinyl Chloride	E624	ug/kg	59.7						
75-09-2	Methylene chloride	E624	ug/kg	10700						
75-15-0	Carbon Disulfide	E624	ug/kg	0.851						
75-25-2	Bromoform	E624	ug/kg	1310						
75-27-4	Bromodichloromethane	E624	ug/kg	273						
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310						
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780						
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700						
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400						
76-13-1	1,1,2-Trichloro-1,2,2-trifluo	E624	ug/kg	910000						
78-87-5	1,2-Dichloropropane	E624	ug/kg	895						
78-93-3	2-Butanone	E624	ug/kg	2780000						
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570						
79-01-6	Trichloroethene	E624	ug/kg	1600						
79-20-9	Methyl Acetate	E624	ug/kg	7820000						
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202						
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858						
95-47-6	o-Xylene	E624	ug/kg	NL						
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989						

				sys_loc_code:	C57		C58		C59	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	C57 0-6		C58 0-6		C59 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/13/2009		07/13/2009		07/13/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
96-12-8	1,2-Dibromo-3-chloroprop	E624	ug/kg	5.35						
98-82-8	Isopropylbenzene	E624	ug/kg	86						
100-01-6	4-Nitroaniline	E625	ug/kg	24300						
100-02-7	4-Nitrophenol	E625	ug/kg	NL						
100-52-7	Benzaldehyde	E625	ug/kg	782000						
101-55-3	4-Bromophenyl Phenyl Eth	E625	ug/kg	1230						
105-60-2	Caprolactam	E625	ug/kg	3060000						
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29						
106-44-5	4-Methylphenol	E625	ug/kg	670						
106-47-8	4-Chloroaniline	E625	ug/kg	2430						
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570						
108-95-2	Phenol	E625	ug/kg	420						
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214						
111-91-1	Bis(2-Chloroethoxy) metha	E625	ug/kg	18300						
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182						
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL						
118-74-1	Hexachlorobenzene	E625	ug/kg	20						
120-12-7	Anthracene	E625	ug/kg	46.9						
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117						
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6						
129-00-0	Pyrene	E625	ug/kg	153						
131-11-3	Dimethylphthalate	E625	ug/kg	NL						
132-64-9	Dibenzofuran	E625	ug/kg	7300						
1912-24-9	Atrazine	E625	ug/kg	6.62						
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170						
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17						
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148						
206-44-0	Fluoranthene	E625	ug/kg	113						
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240						
208-96-8	Acenaphthylene	E625	ug/kg	5.87						
218-01-9	Chrysene	E625	ug/kg	108						
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8						
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200						

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				sys_loc_code:	C57		C58		C59	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	C57 0-6		C58 0-6		C59 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/13/2009		07/13/2009		07/13/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
534-52-1	4,6-Dinitro-2-Methylpheno	E625	ug/kg	611						
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22						
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8						
58-90-2	Chlorophenols	E625	ug/kg	284						
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000						
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120						
621-64-7	N-Nitroso-Di-N-Propylamir	E625	ug/kg	69.4						
67-72-1	Hexachloroethane	E625	ug/kg	804						
7005-72-3	4-Chlorophenyl Phenyleth	E625	ug/kg	NL						
77-47-4	Hexachlorocyclopentadier	E625	ug/kg	139						
78-59-1	Isophorone	E625	ug/kg	511000						
83-32-9	Acenaphthene	E625	ug/kg	6.71						
84-66-2	Diethylphthalate	E625	ug/kg	218						
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160						
85-01-8	Phenanthrene	E625	ug/kg	86.7						
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800						
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100						
86-73-7	Fluorene	E625	ug/kg	19						
86-74-8	Carbazole	E625	ug/kg	NL						
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110						
87-86-5	Pentachlorophenol	E625	ug/kg	2970						
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650						
88-74-4	2-Nitroaniline	E625	ug/kg	60600						
88-75-5	2-Nitrophenol	E625	ug/kg	NL						
91-20-3	Naphthalene	E625	ug/kg	34.6						
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2						
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000						
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080						
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220						
95-48-7	2-Methylphenol	E625	ug/kg	306000						
95-57-8	2-Chlorophenol	E625	ug/kg	344						
95-94-3	1,2,4,5-Tetrachlorobenzer	E625	ug/kg	1830						
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819						

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				sys_loc_code:	C57		C58		C59	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	C57 0-6		C58 0-6		C59 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/13/2009		07/13/2009		07/13/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
98-86-2	Acetophenone	E625	ug/kg	782000						
98-95-3	Nitrobenzene	E625	ug/kg	4790						
99-09-2	3-Nitroaniline	E625	ug/kg	NL						

				sys_loc_code:	C60		C61		C65		
				loc_name:	Area-08		Area-08		Area-08		
				sys_sample_code:	C60 0-6		C61 0-6		C65 0-6		
				depth:	0-6 in		0-6 in		0-6 in		
				sample_date:	07/10/2009		07/10/2009		07/13/2009		
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED							
7429-90-5	Aluminum	C200.7	mg/kg	7740							
7440-36-0	Antimony	C200.7	mg/kg	2							
7440-38-2	Arsenic	C200.7	mg/kg	0.389							
7440-39-3	Barium	C200.7	mg/kg	130.1							
7440-41-7	Beryllium	C200.7	mg/kg	15.6							
7440-43-9	Cadmium	C200.7	mg/kg	0.68							
7440-70-2	Calcium	C200.7	mg/kg	NL							
7440-47-3	Chromium	C200.7	mg/kg	52.3							
7440-48-4	Cobalt	C200.7	mg/kg	2.34							
7440-50-8	Copper	C200.7	mg/kg	18.7							
7439-89-6	Iron	C200.7	mg/kg	2000							
7439-92-1	Lead	C200.7	mg/kg	30.2							
7439-95-4	Magnesium	C200.7	mg/kg	NL							
7439-96-5	Manganese	C200.7	mg/kg	183							
7440-02-0	Nickel	C200.7	mg/kg	15.9							
7440-09-7	Potassium	C200.7	mg/kg	NL							
7782-49-2	Selenium	C200.7	mg/kg	2							
7440-22-4	Silver	C200.7	mg/kg	0.73							
7440-23-5	Sodium	C200.7	mg/kg	NL							
7440-28-0	Thallium	C200.7	mg/kg	100000							
7440-31-5	Tin	C200.7	mg/kg	NL							
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548							
7440-66-6	Zinc	C200.7	mg/kg	124							
7429-90-5	Aluminum	E200.7	mg/kg	7740	1560		1140		2490	J	
7439-89-6	Iron	E200.7	mg/kg	2000	14200	J	7750	J	18500	J	
7439-92-1	Lead	E200.7	mg/kg	30.2					126	J	
7439-95-4	Magnesium	E200.7	mg/kg	NL	636	J	627	UJ	1080		
7439-96-5	Manganese	E200.7	mg/kg	183					62.4	J	
7440-09-7	Potassium	E200.7	mg/kg	NL	304	J	235	J	389	J	
7440-23-5	Sodium	E200.7	mg/kg	NL	1770		1730		2120	J	
7440-36-0	Antimony	E200.7	mg/kg	2							
7440-38-2	Arsenic	E200.7	mg/kg	0.389					10.7	J	
7440-50-8	Copper	E200.7	mg/kg	18.7					29.4		

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				sys_loc_code:	C60		C61		C65		
				loc_name:	Area-08		Area-08		Area-08		
				sys_sample_code:	C60 0-6		C61 0-6		C65 0-6		
				depth:	0-6 in		0-6 in		0-6 in		
				sample_date:	07/10/2009		07/10/2009		07/13/2009		
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED							
7440-66-6	Zinc	E200.7	mg/kg	124					103	J	
7440-70-2	Calcium	E200.7	mg/kg	NL	2300		1630		3330		
7440-36-0	Antimony	E200.8	mg/kg	2	1.2	U	1.3	U	2.7		
7440-38-2	Arsenic	E200.8	mg/kg	0.389	6.7	J	5.4	J			
7440-39-3	Barium	E200.8	mg/kg	130.1	2.4	J	2	J	3.8	J	
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.33		0.28		0.31	U	
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.32		0.31	U	0.22	J	
7440-47-3	Chromium	E200.8	mg/kg	52.3	11.1	J	10.6	J	8.9		
7440-48-4	Cobalt	E200.8	mg/kg	2.34	1.8		1.7		1.5	J	
7440-50-8	Copper	E200.8	mg/kg	18.7	15.9		9.6				
7439-92-1	Lead	E200.8	mg/kg	30.2	20.9	J	18.1	J			
7439-96-5	Manganese	E200.8	mg/kg	183	34.7	J	40.8	J			
7440-02-0	Nickel	E200.8	mg/kg	15.9	4.5		2.9		2.6	J	
7782-49-2	Selenium	E200.8	mg/kg	2	0.29	J	0.63	U	0.14	J	
7440-22-4	Silver	E200.8	mg/kg	0.73	0.33		0.31	U	0.31	UJ	
7440-28-0	Thallium	E200.8	mg/kg	100000	0.62	U	0.63	U	0.62	U	
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	18.8	J	15.8	J	14.3		
7440-66-6	Zinc	E200.8	mg/kg	124	64.9		42.3				
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.16		0.087		0.12		
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6							
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357							
309-00-2	Aldrin	CPEST	ug/kg	2							
319-84-6	Alpha-Bhc	CPEST	ug/kg	3							
319-85-7	Beta-Bhc	CPEST	ug/kg	3							
319-86-8	Delta-Bhc	CPEST	ug/kg	3							
33213-65-9	Endosulfan II	CPEST	ug/kg	14							
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19							
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7							
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7							
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL							
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32							
60-57-1	Dieldrin	CPEST	ug/kg	0.72							
72-20-8	Endrin	CPEST	ug/kg	2.67							

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				sys_loc_code:	C60		C61		C65	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	C60 0-6		C61 0-6		C65 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/10/2009		07/10/2009		07/13/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
72-43-5	Methoxychlor	CPEST	ug/kg	29.6						
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22						
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07						
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL						
76-44-8	Heptachlor	CPEST	ug/kg	68						
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1						
959-98-8	Endosulfan I	CPEST	ug/kg	2.9						
11096-82-5	Aroclor 1260	E608	ug/kg	21.6						
11097-69-1	Aroclor 1254	E608	ug/kg	23						
11100-14-4	Aroclor 1268	E608	ug/kg	21.6						
11104-28-2	Aroclor 1221	E608	ug/kg	21.6						
11141-16-5	Aroclor 1232	E608	ug/kg	21.6						
12672-29-6	Aroclor 1248	E608	ug/kg	21.6						
12674-11-2	Aroclor 1016	E608	ug/kg	21.6						
37324-23-5	Aroclor 1262	E608	ug/kg	21.6						
53469-21-9	Aroclor 1242	E608	ug/kg	21.6						
100-41-4	Ethylbenzene	E624	ug/kg	305						
100-42-5	Styrene	E624	ug/kg	7070						
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL						
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL						
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460						
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7						
107-06-2	1,2-Dichloroethane	E624	ug/kg	432						
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000						
108-87-2	Methylcyclohexane	E624	ug/kg	NL						
108-88-3	Toluene	E624	ug/kg	1090						
108-90-7	Chlorobenzene	E624	ug/kg	162						
110-82-7	Cyclohexane	E624	ug/kg	117000						
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473						
123-91-1	1,4-Dioxane	E624	ug/kg	44100						
124-48-1	Dibromochloromethane	E624	ug/kg	680						
127-18-4	Tetrachloroethene	E624	ug/kg	190						
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200						

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				sys_loc_code:	C60		C61		C65	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	C60 0-6		C61 0-6		C65 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/10/2009		07/10/2009		07/13/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300						
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300						
179601-23-1	m,p-Xylene	E624	ug/kg	NL						
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842						
56-23-5	Carbon tetrachloride	E624	ug/kg	248						
591-78-6	2-Hexanone	E624	ug/kg	20900						
67-64-1	Acetone	E624	ug/kg	6130000						
67-66-3	Chloroform	E624	ug/kg	295						
71-43-2	Benzene	E624	ug/kg	137						
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856						
74-83-9	Bromomethane	E624	ug/kg	732						
74-87-3	Chloromethane	E624	ug/kg	11900						
74-97-5	Bromochloromethane	E624	ug/kg	NL						
75-00-3	Chloroethane	E624	ug/kg	1450000						
75-01-4	Vinyl Chloride	E624	ug/kg	59.7						
75-09-2	Methylene chloride	E624	ug/kg	10700						
75-15-0	Carbon Disulfide	E624	ug/kg	0.851						
75-25-2	Bromoform	E624	ug/kg	1310						
75-27-4	Bromodichloromethane	E624	ug/kg	273						
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310						
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780						
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700						
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400						
76-13-1	1,1,2-Trichloro-1,2,2-trifluo	E624	ug/kg	910000						
78-87-5	1,2-Dichloropropane	E624	ug/kg	895						
78-93-3	2-Butanone	E624	ug/kg	2780000						
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570						
79-01-6	Trichloroethene	E624	ug/kg	1600						
79-20-9	Methyl Acetate	E624	ug/kg	7820000						
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202						
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858						
95-47-6	o-Xylene	E624	ug/kg	NL						
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989						

				sys_loc_code:	C60		C61		C65	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	C60 0-6		C61 0-6		C65 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/10/2009		07/10/2009		07/13/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
96-12-8	1,2-Dibromo-3-chloroprop	E624	ug/kg	5.35						
98-82-8	Isopropylbenzene	E624	ug/kg	86						
100-01-6	4-Nitroaniline	E625	ug/kg	24300						
100-02-7	4-Nitrophenol	E625	ug/kg	NL						
100-52-7	Benzaldehyde	E625	ug/kg	782000						
101-55-3	4-Bromophenyl Phenyl Eth	E625	ug/kg	1230						
105-60-2	Caprolactam	E625	ug/kg	3060000						
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29						
106-44-5	4-Methylphenol	E625	ug/kg	670						
106-47-8	4-Chloroaniline	E625	ug/kg	2430						
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570						
108-95-2	Phenol	E625	ug/kg	420						
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214						
111-91-1	Bis(2-Chloroethoxy) metha	E625	ug/kg	18300						
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182						
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL						
118-74-1	Hexachlorobenzene	E625	ug/kg	20						
120-12-7	Anthracene	E625	ug/kg	46.9						
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117						
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6						
129-00-0	Pyrene	E625	ug/kg	153						
131-11-3	Dimethylphthalate	E625	ug/kg	NL						
132-64-9	Dibenzofuran	E625	ug/kg	7300						
1912-24-9	Atrazine	E625	ug/kg	6.62						
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170						
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17						
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148						
206-44-0	Fluoranthene	E625	ug/kg	113						
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240						
208-96-8	Acenaphthylene	E625	ug/kg	5.87						
218-01-9	Chrysene	E625	ug/kg	108						
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8						
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200						

				sys_loc_code:	C60		C61		C65	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	C60 0-6		C61 0-6		C65 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/10/2009		07/10/2009		07/13/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
534-52-1	4,6-Dinitro-2-Methylpheno	E625	ug/kg	611						
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22						
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8						
58-90-2	Chlorophenols	E625	ug/kg	284						
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000						
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120						
621-64-7	N-Nitroso-Di-N-Propylamir	E625	ug/kg	69.4						
67-72-1	Hexachloroethane	E625	ug/kg	804						
7005-72-3	4-Chlorophenyl Phenyleth	E625	ug/kg	NL						
77-47-4	Hexachlorocyclopentadier	E625	ug/kg	139						
78-59-1	Isophorone	E625	ug/kg	511000						
83-32-9	Acenaphthene	E625	ug/kg	6.71						
84-66-2	Diethylphthalate	E625	ug/kg	218						
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160						
85-01-8	Phenanthrene	E625	ug/kg	86.7						
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800						
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100						
86-73-7	Fluorene	E625	ug/kg	19						
86-74-8	Carbazole	E625	ug/kg	NL						
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110						
87-86-5	Pentachlorophenol	E625	ug/kg	2970						
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650						
88-74-4	2-Nitroaniline	E625	ug/kg	60600						
88-75-5	2-Nitrophenol	E625	ug/kg	NL						
91-20-3	Naphthalene	E625	ug/kg	34.6						
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2						
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000						
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080						
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220						
95-48-7	2-Methylphenol	E625	ug/kg	306000						
95-57-8	2-Chlorophenol	E625	ug/kg	344						
95-94-3	1,2,4,5-Tetrachlorobenzer	E625	ug/kg	1830						
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819						

				sys_loc_code:	C60		C61		C65	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	C60 0-6		C61 0-6		C65 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/10/2009		07/10/2009		07/13/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
98-86-2	Acetophenone	E625	ug/kg	782000						
98-95-3	Nitrobenzene	E625	ug/kg	4790						
99-09-2	3-Nitroaniline	E625	ug/kg	NL						

				sys_loc_code:	C66		C67		C68		
				loc_name:	Area-08		Area-08		Area-08		
				sys_sample_code:	C66 0-6		C67 0-6		C68 0-6		
				depth:	0-6 in		0-6 in		0-6 in		
				sample_date:	07/13/2009		07/10/2009		07/10/2009		
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED							
7429-90-5	Aluminum	C200.7	mg/kg	7740							
7440-36-0	Antimony	C200.7	mg/kg	2							
7440-38-2	Arsenic	C200.7	mg/kg	0.389							
7440-39-3	Barium	C200.7	mg/kg	130.1							
7440-41-7	Beryllium	C200.7	mg/kg	15.6							
7440-43-9	Cadmium	C200.7	mg/kg	0.68							
7440-70-2	Calcium	C200.7	mg/kg	NL							
7440-47-3	Chromium	C200.7	mg/kg	52.3							
7440-48-4	Cobalt	C200.7	mg/kg	2.34							
7440-50-8	Copper	C200.7	mg/kg	18.7							
7439-89-6	Iron	C200.7	mg/kg	2000							
7439-92-1	Lead	C200.7	mg/kg	30.2							
7439-95-4	Magnesium	C200.7	mg/kg	NL							
7439-96-5	Manganese	C200.7	mg/kg	183							
7440-02-0	Nickel	C200.7	mg/kg	15.9							
7440-09-7	Potassium	C200.7	mg/kg	NL							
7782-49-2	Selenium	C200.7	mg/kg	2							
7440-22-4	Silver	C200.7	mg/kg	0.73							
7440-23-5	Sodium	C200.7	mg/kg	NL							
7440-28-0	Thallium	C200.7	mg/kg	100000							
7440-31-5	Tin	C200.7	mg/kg	NL							
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548							
7440-66-6	Zinc	C200.7	mg/kg	124							
7429-90-5	Aluminum	E200.7	mg/kg	7740	1880		1890		1790		
7439-89-6	Iron	E200.7	mg/kg	2000	12500		30400	J	21900	J	
7439-92-1	Lead	E200.7	mg/kg	30.2	33.2						
7439-95-4	Magnesium	E200.7	mg/kg	NL	599		699	J	611	J	
7439-96-5	Manganese	E200.7	mg/kg	183	42.2						
7440-09-7	Potassium	E200.7	mg/kg	NL	251	J	229	J	258	J	
7440-23-5	Sodium	E200.7	mg/kg	NL	1730		1570		1660		
7440-36-0	Antimony	E200.7	mg/kg	2							
7440-38-2	Arsenic	E200.7	mg/kg	0.389	7.5						
7440-50-8	Copper	E200.7	mg/kg	18.7							

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				sys_loc_code:	C66		C67		C68		
				loc_name:	Area-08		Area-08		Area-08		
				sys_sample_code:	C66 0-6		C67 0-6		C68 0-6		
				depth:	0-6 in		0-6 in		0-6 in		
				sample_date:	07/13/2009		07/10/2009		07/10/2009		
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED							
7440-66-6	Zinc	E200.7	mg/kg	124	81.3						
7440-70-2	Calcium	E200.7	mg/kg	NL	1980		1440		535	J	
7440-36-0	Antimony	E200.8	mg/kg	2	1.2	U	1.2	U	3		
7440-38-2	Arsenic	E200.8	mg/kg	0.389			14.7	J	9.7	J	
7440-39-3	Barium	E200.8	mg/kg	130.1	2.8	J	1.8	J	12.9	J	
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.3	U	0.46		0.31		
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.41		0.39		0.3	U	
7440-47-3	Chromium	E200.8	mg/kg	52.3	10.6		13.2	J	11.8	J	
7440-48-4	Cobalt	E200.8	mg/kg	2.34	1.6	J	2.4		2.1		
7440-50-8	Copper	E200.8	mg/kg	18.7	14.7		15.5		15.2		
7439-92-1	Lead	E200.8	mg/kg	30.2			15.3	J	82.6	J	
7439-96-5	Manganese	E200.8	mg/kg	183			44.7	J	64.9	J	
7440-02-0	Nickel	E200.8	mg/kg	15.9	4.9	J	8.5		4.6		
7782-49-2	Selenium	E200.8	mg/kg	2	0.51	J	0.94		0.36	J	
7440-22-4	Silver	E200.8	mg/kg	0.73	0.3	UJ	0.3	U	0.3	U	
7440-28-0	Thallium	E200.8	mg/kg	100000	0.6	U	0.61	U	0.61	U	
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	20.9	J	21	J	20.9	J	
7440-66-6	Zinc	E200.8	mg/kg	124			71.1		71.2		
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.11		0.11		0.089		
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6					2.1	U	
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357					4.1	U	
309-00-2	Aldrin	CPEST	ug/kg	2					2.1	U	
319-84-6	Alpha-Bhc	CPEST	ug/kg	3					2.1	U	
319-85-7	Beta-Bhc	CPEST	ug/kg	3					2.1	U	
319-86-8	Delta-Bhc	CPEST	ug/kg	3					2.1	U	
33213-65-9	Endosulfan II	CPEST	ug/kg	14					4.1	U	
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19					4.1	UJ	
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7					2.1	U	
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7					2.1	U	
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL					4.1	U	
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32					2.1	U	
60-57-1	Dieldrin	CPEST	ug/kg	0.72					4.1	U	
72-20-8	Endrin	CPEST	ug/kg	2.67					4.1	U	

				sys_loc_code:	C66		C67		C68		
				loc_name:	Area-08		Area-08		Area-08		
				sys_sample_code:	C66 0-6		C67 0-6		C68 0-6		
				depth:	0-6 in		0-6 in		0-6 in		
				sample_date:	07/13/2009		07/10/2009		07/10/2009		
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED							
72-43-5	Methoxychlor	CPEST	ug/kg	29.6					21	U	
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22					4.1	U	
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07					4.1	U	
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL					4.1	U	
76-44-8	Heptachlor	CPEST	ug/kg	68					2.1	U	
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1					210	U	
959-98-8	Endosulfan I	CPEST	ug/kg	2.9					2.1	U	
11096-82-5	Aroclor 1260	E608	ug/kg	21.6					41	U	
11097-69-1	Aroclor 1254	E608	ug/kg	23					41	U	
11100-14-4	Aroclor 1268	E608	ug/kg	21.6					41	U	
11104-28-2	Aroclor 1221	E608	ug/kg	21.6					41	U	
11141-16-5	Aroclor 1232	E608	ug/kg	21.6					41	U	
12672-29-6	Aroclor 1248	E608	ug/kg	21.6					41	U	
12674-11-2	Aroclor 1016	E608	ug/kg	21.6					41	U	
37324-23-5	Aroclor 1262	E608	ug/kg	21.6					41	U	
53469-21-9	Aroclor 1242	E608	ug/kg	21.6					41	U	
100-41-4	Ethylbenzene	E624	ug/kg	305					5.9	U	
100-42-5	Styrene	E624	ug/kg	7070					5.9	U	
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL					5.9	U	
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL					5.9	U	
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460					5.9	U	
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7					5.9	U	
107-06-2	1,2-Dichloroethane	E624	ug/kg	432					5.9	U	
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000					12	U	
108-87-2	Methylcyclohexane	E624	ug/kg	NL					5.9	U	
108-88-3	Toluene	E624	ug/kg	1090					5.9	U	
108-90-7	Chlorobenzene	E624	ug/kg	162					5.9	U	
110-82-7	Cyclohexane	E624	ug/kg	117000					5.9	U	
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473					5.9	U	
123-91-1	1,4-Dioxane	E624	ug/kg	44100					120	R	
124-48-1	Dibromochloromethane	E624	ug/kg	680					5.9	U	
127-18-4	Tetrachloroethene	E624	ug/kg	190					5.9	U	
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200					5.9	U	

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				sys_loc_code:	C66		C67		C68	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	C66 0-6		C67 0-6		C68 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/13/2009		07/10/2009		07/10/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300					5.9	U
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300					5.9	U
179601-23-1	m,p-Xylene	E624	ug/kg	NL					5.9	U
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842					5.9	U
56-23-5	Carbon tetrachloride	E624	ug/kg	248					5.9	U
591-78-6	2-Hexanone	E624	ug/kg	20900					12	U
67-64-1	Acetone	E624	ug/kg	6130000					12	U
67-66-3	Chloroform	E624	ug/kg	295					5.9	U
71-43-2	Benzene	E624	ug/kg	137					5.9	U
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856					5.9	U
74-83-9	Bromomethane	E624	ug/kg	732					5.9	U
74-87-3	Chloromethane	E624	ug/kg	11900					5.9	U
74-97-5	Bromochloromethane	E624	ug/kg	NL					5.9	U
75-00-3	Chloroethane	E624	ug/kg	1450000					5.9	U
75-01-4	Vinyl Chloride	E624	ug/kg	59.7					5.9	U
75-09-2	Methylene chloride	E624	ug/kg	10700					5.9	U
75-15-0	Carbon Disulfide	E624	ug/kg	0.851					3.9	J
75-25-2	Bromoform	E624	ug/kg	1310					5.9	U
75-27-4	Bromodichloromethane	E624	ug/kg	273					5.9	U
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310					5.9	U
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780					5.9	U
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700					5.9	U
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400					5.9	U
76-13-1	1,1,2-Trichloro-1,2,2-triflud	E624	ug/kg	910000					5.9	U
78-87-5	1,2-Dichloropropane	E624	ug/kg	895					5.9	U
78-93-3	2-Butanone	E624	ug/kg	2780000					12	U
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570					5.9	U
79-01-6	Trichloroethene	E624	ug/kg	1600					5.9	U
79-20-9	Methyl Acetate	E624	ug/kg	7820000					5.9	U
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202					5.9	U
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858					5.9	U
95-47-6	o-Xylene	E624	ug/kg	NL					5.9	U
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989					5.9	U

				sys_loc_code:	C66		C67		C68	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	C66 0-6		C67 0-6		C68 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/13/2009		07/10/2009		07/10/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
96-12-8	1,2-Dibromo-3-chloroprop	E624	ug/kg	5.35					5.9	U
98-82-8	Isopropylbenzene	E624	ug/kg	86					5.9	U
100-01-6	4-Nitroaniline	E625	ug/kg	24300					410	U
100-02-7	4-Nitrophenol	E625	ug/kg	NL					410	U
100-52-7	Benzaldehyde	E625	ug/kg	782000					43	J
101-55-3	4-Bromophenyl Phenyl Eth	E625	ug/kg	1230					210	U
105-60-2	Caprolactam	E625	ug/kg	3060000					210	U
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29					210	U
106-44-5	4-Methylphenol	E625	ug/kg	670					210	U
106-47-8	4-Chloroaniline	E625	ug/kg	2430					210	U
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570					210	U
108-95-2	Phenol	E625	ug/kg	420					15	J
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214					210	U
111-91-1	Bis(2-Chloroethoxy) metha	E625	ug/kg	18300					210	U
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182					23	J
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL					210	U
118-74-1	Hexachlorobenzene	E625	ug/kg	20					210	U
120-12-7	Anthracene	E625	ug/kg	46.9					210	U
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117					210	U
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6					210	U
129-00-0	Pyrene	E625	ug/kg	153					210	U
131-11-3	Dimethylphthalate	E625	ug/kg	NL					210	U
132-64-9	Dibenzofuran	E625	ug/kg	7300					210	U
1912-24-9	Atrazine	E625	ug/kg	6.62					210	U
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170					210	U
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17					210	U
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148					210	U
206-44-0	Fluoranthene	E625	ug/kg	113					210	U
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240					210	U
208-96-8	Acenaphthylene	E625	ug/kg	5.87					210	U
218-01-9	Chrysene	E625	ug/kg	108					210	U
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8					210	U
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200					410	U

				sys_loc_code:	C66		C67		C68	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	C66 0-6		C67 0-6		C68 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/13/2009		07/10/2009		07/10/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
534-52-1	4,6-Dinitro-2-Methylpheno	E625	ug/kg	611					410	U
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22					210	U
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8					210	U
58-90-2	Chlorophenols	E625	ug/kg	284					210	U
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000					210	U
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120					210	U
621-64-7	N-Nitroso-Di-N-Propylamir	E625	ug/kg	69.4					210	U
67-72-1	Hexachloroethane	E625	ug/kg	804					210	U
7005-72-3	4-Chlorophenyl Phenyleth	E625	ug/kg	NL					210	U
77-47-4	Hexachlorocyclopentadier	E625	ug/kg	139					210	U
78-59-1	Isophorone	E625	ug/kg	511000					210	U
83-32-9	Acenaphthene	E625	ug/kg	6.71					210	U
84-66-2	Diethylphthalate	E625	ug/kg	218					6.7	J
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160					9	J
85-01-8	Phenanthrene	E625	ug/kg	86.7					210	U
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800					210	U
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100					210	U
86-73-7	Fluorene	E625	ug/kg	19					210	U
86-74-8	Carbazole	E625	ug/kg	NL					210	U
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110					210	U
87-86-5	Pentachlorophenol	E625	ug/kg	2970					410	U
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650					210	U
88-74-4	2-Nitroaniline	E625	ug/kg	60600					410	U
88-75-5	2-Nitrophenol	E625	ug/kg	NL					210	U
91-20-3	Naphthalene	E625	ug/kg	34.6					210	U
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2					210	U
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000					210	U
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080					210	U
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220					210	U
95-48-7	2-Methylphenol	E625	ug/kg	306000					210	U
95-57-8	2-Chlorophenol	E625	ug/kg	344					210	U
95-94-3	1,2,4,5-Tetrachlorobenzer	E625	ug/kg	1830					210	U
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819					210	U

				sys_loc_code:	C66		C67		C68	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	C66 0-6		C67 0-6		C68 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/13/2009		07/10/2009		07/10/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
98-86-2	Acetophenone	E625	ug/kg	782000					24	J
98-95-3	Nitrobenzene	E625	ug/kg	4790					210	U
99-09-2	3-Nitroaniline	E625	ug/kg	NL					410	U

				sys_loc_code:	C7		C77		C78		
				loc_name:	Area-08		Area-08		Area-08		
				sys_sample_code:	C07 0-6		C77 0-6		C78 0-6		
				depth:	0-6 in		0-6 in		0-6 in		
				sample_date:	07/23/2009		07/13/2009		07/13/2009		
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED							
7429-90-5	Aluminum	C200.7	mg/kg	7740							
7440-36-0	Antimony	C200.7	mg/kg	2							
7440-38-2	Arsenic	C200.7	mg/kg	0.389							
7440-39-3	Barium	C200.7	mg/kg	130.1							
7440-41-7	Beryllium	C200.7	mg/kg	15.6							
7440-43-9	Cadmium	C200.7	mg/kg	0.68							
7440-70-2	Calcium	C200.7	mg/kg	NL							
7440-47-3	Chromium	C200.7	mg/kg	52.3							
7440-48-4	Cobalt	C200.7	mg/kg	2.34							
7440-50-8	Copper	C200.7	mg/kg	18.7							
7439-89-6	Iron	C200.7	mg/kg	2000							
7439-92-1	Lead	C200.7	mg/kg	30.2							
7439-95-4	Magnesium	C200.7	mg/kg	NL							
7439-96-5	Manganese	C200.7	mg/kg	183							
7440-02-0	Nickel	C200.7	mg/kg	15.9							
7440-09-7	Potassium	C200.7	mg/kg	NL							
7782-49-2	Selenium	C200.7	mg/kg	2							
7440-22-4	Silver	C200.7	mg/kg	0.73							
7440-23-5	Sodium	C200.7	mg/kg	NL							
7440-28-0	Thallium	C200.7	mg/kg	100000							
7440-31-5	Tin	C200.7	mg/kg	NL							
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548							
7440-66-6	Zinc	C200.7	mg/kg	124							
7429-90-5	Aluminum	E200.7	mg/kg	7740	6300		1840		1440		
7439-89-6	Iron	E200.7	mg/kg	2000	16900		11500		12000		
7439-92-1	Lead	E200.7	mg/kg	30.2			7.9		18.4		
7439-95-4	Magnesium	E200.7	mg/kg	NL	2820		748		535		
7439-96-5	Manganese	E200.7	mg/kg	183			43.4		34.2		
7440-09-7	Potassium	E200.7	mg/kg	NL	1380		352	J	240	J	
7440-23-5	Sodium	E200.7	mg/kg	NL	4960		1410		1620		
7440-36-0	Antimony	E200.7	mg/kg	2							
7440-38-2	Arsenic	E200.7	mg/kg	0.389			3.6		9.4		
7440-50-8	Copper	E200.7	mg/kg	18.7							

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				sys_loc_code:	C7		C77		C78		
				loc_name:	Area-08		Area-08		Area-08		
				sys_sample_code:	C07 0-6		C77 0-6		C78 0-6		
				depth:	0-6 in		0-6 in		0-6 in		
				sample_date:	07/23/2009		07/13/2009		07/13/2009		
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED							
7440-66-6	Zinc	E200.7	mg/kg	124			30.2		69.7		
7440-70-2	Calcium	E200.7	mg/kg	NL	2380		1060		417	J	
7440-36-0	Antimony	E200.8	mg/kg	2	7		1.1	U	1.2	U	
7440-38-2	Arsenic	E200.8	mg/kg	0.389	13.1	J					
7440-39-3	Barium	E200.8	mg/kg	130.1	21.3	J	2.9	J	2	J	
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.53		0.28		0.3	U	
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.64		0.28	U	0.3	U	
7440-47-3	Chromium	E200.8	mg/kg	52.3	26.6		14.2		12.1		
7440-48-4	Cobalt	E200.8	mg/kg	2.34	5		1.3	J	1.7	J	
7440-50-8	Copper	E200.8	mg/kg	18.7	62.6		4.4		17.7		
7439-92-1	Lead	E200.8	mg/kg	30.2	302						
7439-96-5	Manganese	E200.8	mg/kg	183	136						
7440-02-0	Nickel	E200.8	mg/kg	15.9	11.2		2.6	J	5.6	J	
7782-49-2	Selenium	E200.8	mg/kg	2	0.88	U	0.15	J	0.62		
7440-22-4	Silver	E200.8	mg/kg	0.73	0.84		0.28	UJ	0.3	UJ	
7440-28-0	Thallium	E200.8	mg/kg	100000	0.88	U	0.55	U	0.59	U	
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	26.4	J	19.6	J	21.2	J	
7440-66-6	Zinc	E200.8	mg/kg	124	141						
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.48		0.035	U	0.08		
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6							
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357							
309-00-2	Aldrin	CPEST	ug/kg	2							
319-84-6	Alpha-Bhc	CPEST	ug/kg	3							
319-85-7	Beta-Bhc	CPEST	ug/kg	3							
319-86-8	Delta-Bhc	CPEST	ug/kg	3							
33213-65-9	Endosulfan II	CPEST	ug/kg	14							
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19							
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7							
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7							
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL							
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32							
60-57-1	Dieldrin	CPEST	ug/kg	0.72							
72-20-8	Endrin	CPEST	ug/kg	2.67							

				sys_loc_code:	C7		C77		C78	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	C07 0-6		C77 0-6		C78 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/23/2009		07/13/2009		07/13/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
72-43-5	Methoxychlor	CPEST	ug/kg	29.6						
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22						
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07						
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL						
76-44-8	Heptachlor	CPEST	ug/kg	68						
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1						
959-98-8	Endosulfan I	CPEST	ug/kg	2.9						
11096-82-5	Aroclor 1260	E608	ug/kg	21.6						
11097-69-1	Aroclor 1254	E608	ug/kg	23						
11100-14-4	Aroclor 1268	E608	ug/kg	21.6						
11104-28-2	Aroclor 1221	E608	ug/kg	21.6						
11141-16-5	Aroclor 1232	E608	ug/kg	21.6						
12672-29-6	Aroclor 1248	E608	ug/kg	21.6						
12674-11-2	Aroclor 1016	E608	ug/kg	21.6						
37324-23-5	Aroclor 1262	E608	ug/kg	21.6						
53469-21-9	Aroclor 1242	E608	ug/kg	21.6						
100-41-4	Ethylbenzene	E624	ug/kg	305						
100-42-5	Styrene	E624	ug/kg	7070						
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL						
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL						
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460						
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7						
107-06-2	1,2-Dichloroethane	E624	ug/kg	432						
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000						
108-87-2	Methylcyclohexane	E624	ug/kg	NL						
108-88-3	Toluene	E624	ug/kg	1090						
108-90-7	Chlorobenzene	E624	ug/kg	162						
110-82-7	Cyclohexane	E624	ug/kg	117000						
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473						
123-91-1	1,4-Dioxane	E624	ug/kg	44100						
124-48-1	Dibromochloromethane	E624	ug/kg	680						
127-18-4	Tetrachloroethene	E624	ug/kg	190						
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200						

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				sys_loc_code:	C7		C77		C78	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	C07 0-6		C77 0-6		C78 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/23/2009		07/13/2009		07/13/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300						
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300						
179601-23-1	m,p-Xylene	E624	ug/kg	NL						
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842						
56-23-5	Carbon tetrachloride	E624	ug/kg	248						
591-78-6	2-Hexanone	E624	ug/kg	20900						
67-64-1	Acetone	E624	ug/kg	6130000						
67-66-3	Chloroform	E624	ug/kg	295						
71-43-2	Benzene	E624	ug/kg	137						
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856						
74-83-9	Bromomethane	E624	ug/kg	732						
74-87-3	Chloromethane	E624	ug/kg	11900						
74-97-5	Bromochloromethane	E624	ug/kg	NL						
75-00-3	Chloroethane	E624	ug/kg	1450000						
75-01-4	Vinyl Chloride	E624	ug/kg	59.7						
75-09-2	Methylene chloride	E624	ug/kg	10700						
75-15-0	Carbon Disulfide	E624	ug/kg	0.851						
75-25-2	Bromoform	E624	ug/kg	1310						
75-27-4	Bromodichloromethane	E624	ug/kg	273						
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310						
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780						
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700						
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400						
76-13-1	1,1,2-Trichloro-1,2,2-trifluo	E624	ug/kg	910000						
78-87-5	1,2-Dichloropropane	E624	ug/kg	895						
78-93-3	2-Butanone	E624	ug/kg	2780000						
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570						
79-01-6	Trichloroethene	E624	ug/kg	1600						
79-20-9	Methyl Acetate	E624	ug/kg	7820000						
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202						
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858						
95-47-6	o-Xylene	E624	ug/kg	NL						
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989						

				sys_loc_code:	C7		C77		C78	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	C07 0-6		C77 0-6		C78 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/23/2009		07/13/2009		07/13/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
96-12-8	1,2-Dibromo-3-chloroprop	E624	ug/kg	5.35						
98-82-8	Isopropylbenzene	E624	ug/kg	86						
100-01-6	4-Nitroaniline	E625	ug/kg	24300						
100-02-7	4-Nitrophenol	E625	ug/kg	NL						
100-52-7	Benzaldehyde	E625	ug/kg	782000						
101-55-3	4-Bromophenyl Phenyl Eth	E625	ug/kg	1230						
105-60-2	Caprolactam	E625	ug/kg	3060000						
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29						
106-44-5	4-Methylphenol	E625	ug/kg	670						
106-47-8	4-Chloroaniline	E625	ug/kg	2430						
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570						
108-95-2	Phenol	E625	ug/kg	420						
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214						
111-91-1	Bis(2-Chloroethoxy) metha	E625	ug/kg	18300						
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182						
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL						
118-74-1	Hexachlorobenzene	E625	ug/kg	20						
120-12-7	Anthracene	E625	ug/kg	46.9						
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117						
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6						
129-00-0	Pyrene	E625	ug/kg	153						
131-11-3	Dimethylphthalate	E625	ug/kg	NL						
132-64-9	Dibenzofuran	E625	ug/kg	7300						
1912-24-9	Atrazine	E625	ug/kg	6.62						
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170						
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17						
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148						
206-44-0	Fluoranthene	E625	ug/kg	113						
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240						
208-96-8	Acenaphthylene	E625	ug/kg	5.87						
218-01-9	Chrysene	E625	ug/kg	108						
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8						
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200						

				sys_loc_code:	C7		C77		C78	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	C07 0-6		C77 0-6		C78 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/23/2009		07/13/2009		07/13/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
534-52-1	4,6-Dinitro-2-Methylpheno	E625	ug/kg	611						
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22						
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8						
58-90-2	Chlorophenols	E625	ug/kg	284						
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000						
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120						
621-64-7	N-Nitroso-Di-N-Propylamir	E625	ug/kg	69.4						
67-72-1	Hexachloroethane	E625	ug/kg	804						
7005-72-3	4-Chlorophenyl Phenyleth	E625	ug/kg	NL						
77-47-4	Hexachlorocyclopentadier	E625	ug/kg	139						
78-59-1	Isophorone	E625	ug/kg	511000						
83-32-9	Acenaphthene	E625	ug/kg	6.71						
84-66-2	Diethylphthalate	E625	ug/kg	218						
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160						
85-01-8	Phenanthrene	E625	ug/kg	86.7						
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800						
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100						
86-73-7	Fluorene	E625	ug/kg	19						
86-74-8	Carbazole	E625	ug/kg	NL						
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110						
87-86-5	Pentachlorophenol	E625	ug/kg	2970						
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650						
88-74-4	2-Nitroaniline	E625	ug/kg	60600						
88-75-5	2-Nitrophenol	E625	ug/kg	NL						
91-20-3	Naphthalene	E625	ug/kg	34.6						
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2						
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000						
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080						
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220						
95-48-7	2-Methylphenol	E625	ug/kg	306000						
95-57-8	2-Chlorophenol	E625	ug/kg	344						
95-94-3	1,2,4,5-Tetrachlorobenzer	E625	ug/kg	1830						
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819						

				sys_loc_code:	C7		C77		C78	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	C07 0-6		C77 0-6		C78 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/23/2009		07/13/2009		07/13/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
98-86-2	Acetophenone	E625	ug/kg	782000						
98-95-3	Nitrobenzene	E625	ug/kg	4790						
99-09-2	3-Nitroaniline	E625	ug/kg	NL						

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				sys_loc_code:	C8		C9		C1		
				loc_name:	Area-08		Area-08		Area-08		
				sys_sample_code:	C8 0-6		C9 0-6		C1 0-12		
				depth:	0-6 in		0-6 in		0-12 in		
				sample_date:	07/10/2009		07/09/2009		07/09/2009		
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED							
7429-90-5	Aluminum	C200.7	mg/kg	7740							
7440-36-0	Antimony	C200.7	mg/kg	2							
7440-38-2	Arsenic	C200.7	mg/kg	0.389							
7440-39-3	Barium	C200.7	mg/kg	130.1							
7440-41-7	Beryllium	C200.7	mg/kg	15.6							
7440-43-9	Cadmium	C200.7	mg/kg	0.68							
7440-70-2	Calcium	C200.7	mg/kg	NL							
7440-47-3	Chromium	C200.7	mg/kg	52.3							
7440-48-4	Cobalt	C200.7	mg/kg	2.34							
7440-50-8	Copper	C200.7	mg/kg	18.7							
7439-89-6	Iron	C200.7	mg/kg	2000							
7439-92-1	Lead	C200.7	mg/kg	30.2							
7439-95-4	Magnesium	C200.7	mg/kg	NL							
7439-96-5	Manganese	C200.7	mg/kg	183							
7440-02-0	Nickel	C200.7	mg/kg	15.9							
7440-09-7	Potassium	C200.7	mg/kg	NL							
7782-49-2	Selenium	C200.7	mg/kg	2							
7440-22-4	Silver	C200.7	mg/kg	0.73							
7440-23-5	Sodium	C200.7	mg/kg	NL							
7440-28-0	Thallium	C200.7	mg/kg	100000							
7440-31-5	Tin	C200.7	mg/kg	NL							
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548							
7440-66-6	Zinc	C200.7	mg/kg	124							
7429-90-5	Aluminum	E200.7	mg/kg	7740	2560	J	2160		2800		
7439-89-6	Iron	E200.7	mg/kg	2000	8510	J	10600	J	12500	J	
7439-92-1	Lead	E200.7	mg/kg	30.2			133	J	480	J	
7439-95-4	Magnesium	E200.7	mg/kg	NL	1100	J	1140	J	1700	J	
7439-96-5	Manganese	E200.7	mg/kg	183			53.9		64.7		
7440-09-7	Potassium	E200.7	mg/kg	NL	715	UJ	468	J	655		
7440-23-5	Sodium	E200.7	mg/kg	NL	1940	J	2310	J	3060	J	
7440-36-0	Antimony	E200.7	mg/kg	2							
7440-38-2	Arsenic	E200.7	mg/kg	0.389			6.2	J	13.2	J	
7440-50-8	Copper	E200.7	mg/kg	18.7			41.6	J	53.7	J	

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				sys_loc_code:	C8		C9		C1		
				loc_name:	Area-08		Area-08		Area-08		
				sys_sample_code:	C8 0-6		C9 0-6		C1 0-12		
				depth:	0-6 in		0-6 in		0-12 in		
				sample_date:	07/10/2009		07/09/2009		07/09/2009		
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED							
7440-66-6	Zinc	E200.7	mg/kg	124			85.7	J	114	J	
7440-70-2	Calcium	E200.7	mg/kg	NL	715	UJ	1390		2140		
7440-36-0	Antimony	E200.8	mg/kg	2	2.4		2.5		13.2		
7440-38-2	Arsenic	E200.8	mg/kg	0.389	4.6	J					
7440-39-3	Barium	E200.8	mg/kg	130.1	7.7	J	8.1		13.4		
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.28	J	0.3		0.42		
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.54		0.35		0.52		
7440-47-3	Chromium	E200.8	mg/kg	52.3	12.4		13.4	J	15.8	J	
7440-48-4	Cobalt	E200.8	mg/kg	2.34	2.1		2	J	2.9	J	
7440-50-8	Copper	E200.8	mg/kg	18.7	31.3						
7439-92-1	Lead	E200.8	mg/kg	30.2	92.5						
7439-96-5	Manganese	E200.8	mg/kg	183	43.7						
7440-02-0	Nickel	E200.8	mg/kg	15.9	4.4		4.7	J	6.7	J	
7782-49-2	Selenium	E200.8	mg/kg	2	0.72	UJ	0.43	J	0.6	J	
7440-22-4	Silver	E200.8	mg/kg	0.73	0.36	J	0.5	J	0.58	J	
7440-28-0	Thallium	E200.8	mg/kg	100000	0.72	U	0.59	U	0.68	U	
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	15.8		15.8	J	18.6	J	
7440-66-6	Zinc	E200.8	mg/kg	124	70.6						
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.17		0.17		0.32		
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6							
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357							
309-00-2	Aldrin	CPEST	ug/kg	2							
319-84-6	Alpha-Bhc	CPEST	ug/kg	3							
319-85-7	Beta-Bhc	CPEST	ug/kg	3							
319-86-8	Delta-Bhc	CPEST	ug/kg	3							
33213-65-9	Endosulfan II	CPEST	ug/kg	14							
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19							
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7							
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7							
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL							
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32							
60-57-1	Dieldrin	CPEST	ug/kg	0.72							
72-20-8	Endrin	CPEST	ug/kg	2.67							

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				sys_loc_code:	C8		C9		C1	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	C8 0-6		C9 0-6		C1 0-12	
				depth:	0-6 in		0-6 in		0-12 in	
				sample_date:	07/10/2009		07/09/2009		07/09/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
72-43-5	Methoxychlor	CPEST	ug/kg	29.6						
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22						
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07						
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL						
76-44-8	Heptachlor	CPEST	ug/kg	68						
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1						
959-98-8	Endosulfan I	CPEST	ug/kg	2.9						
11096-82-5	Aroclor 1260	E608	ug/kg	21.6						
11097-69-1	Aroclor 1254	E608	ug/kg	23						
11100-14-4	Aroclor 1268	E608	ug/kg	21.6						
11104-28-2	Aroclor 1221	E608	ug/kg	21.6						
11141-16-5	Aroclor 1232	E608	ug/kg	21.6						
12672-29-6	Aroclor 1248	E608	ug/kg	21.6						
12674-11-2	Aroclor 1016	E608	ug/kg	21.6						
37324-23-5	Aroclor 1262	E608	ug/kg	21.6						
53469-21-9	Aroclor 1242	E608	ug/kg	21.6						
100-41-4	Ethylbenzene	E624	ug/kg	305						
100-42-5	Styrene	E624	ug/kg	7070						
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL						
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL						
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460						
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7						
107-06-2	1,2-Dichloroethane	E624	ug/kg	432						
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000						
108-87-2	Methylcyclohexane	E624	ug/kg	NL						
108-88-3	Toluene	E624	ug/kg	1090						
108-90-7	Chlorobenzene	E624	ug/kg	162						
110-82-7	Cyclohexane	E624	ug/kg	117000						
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473						
123-91-1	1,4-Dioxane	E624	ug/kg	44100						
124-48-1	Dibromochloromethane	E624	ug/kg	680						
127-18-4	Tetrachloroethene	E624	ug/kg	190						
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200						

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				sys_loc_code:	C8		C9		C1	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	C8 0-6		C9 0-6		C1 0-12	
				depth:	0-6 in		0-6 in		0-12 in	
				sample_date:	07/10/2009		07/09/2009		07/09/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300						
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300						
179601-23-1	m,p-Xylene	E624	ug/kg	NL						
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842						
56-23-5	Carbon tetrachloride	E624	ug/kg	248						
591-78-6	2-Hexanone	E624	ug/kg	20900						
67-64-1	Acetone	E624	ug/kg	6130000						
67-66-3	Chloroform	E624	ug/kg	295						
71-43-2	Benzene	E624	ug/kg	137						
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856						
74-83-9	Bromomethane	E624	ug/kg	732						
74-87-3	Chloromethane	E624	ug/kg	11900						
74-97-5	Bromochloromethane	E624	ug/kg	NL						
75-00-3	Chloroethane	E624	ug/kg	1450000						
75-01-4	Vinyl Chloride	E624	ug/kg	59.7						
75-09-2	Methylene chloride	E624	ug/kg	10700						
75-15-0	Carbon Disulfide	E624	ug/kg	0.851						
75-25-2	Bromoform	E624	ug/kg	1310						
75-27-4	Bromodichloromethane	E624	ug/kg	273						
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310						
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780						
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700						
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400						
76-13-1	1,1,2-Trichloro-1,2,2-trifluo	E624	ug/kg	910000						
78-87-5	1,2-Dichloropropane	E624	ug/kg	895						
78-93-3	2-Butanone	E624	ug/kg	2780000						
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570						
79-01-6	Trichloroethene	E624	ug/kg	1600						
79-20-9	Methyl Acetate	E624	ug/kg	7820000						
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202						
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858						
95-47-6	o-Xylene	E624	ug/kg	NL						
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989						

				sys_loc_code:	C8		C9		C1	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	C8 0-6		C9 0-6		C1 0-12	
				depth:	0-6 in		0-6 in		0-12 in	
				sample_date:	07/10/2009		07/09/2009		07/09/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
96-12-8	1,2-Dibromo-3-chloroprop	E624	ug/kg	5.35						
98-82-8	Isopropylbenzene	E624	ug/kg	86						
100-01-6	4-Nitroaniline	E625	ug/kg	24300						
100-02-7	4-Nitrophenol	E625	ug/kg	NL						
100-52-7	Benzaldehyde	E625	ug/kg	782000						
101-55-3	4-Bromophenyl Phenyl Eth	E625	ug/kg	1230						
105-60-2	Caprolactam	E625	ug/kg	3060000						
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29						
106-44-5	4-Methylphenol	E625	ug/kg	670						
106-47-8	4-Chloroaniline	E625	ug/kg	2430						
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570						
108-95-2	Phenol	E625	ug/kg	420						
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214						
111-91-1	Bis(2-Chloroethoxy) metha	E625	ug/kg	18300						
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182						
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL						
118-74-1	Hexachlorobenzene	E625	ug/kg	20						
120-12-7	Anthracene	E625	ug/kg	46.9						
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117						
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6						
129-00-0	Pyrene	E625	ug/kg	153						
131-11-3	Dimethylphthalate	E625	ug/kg	NL						
132-64-9	Dibenzofuran	E625	ug/kg	7300						
1912-24-9	Atrazine	E625	ug/kg	6.62						
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170						
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17						
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148						
206-44-0	Fluoranthene	E625	ug/kg	113						
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240						
208-96-8	Acenaphthylene	E625	ug/kg	5.87						
218-01-9	Chrysene	E625	ug/kg	108						
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8						
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200						

				sys_loc_code:	C8		C9		C1	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	C8 0-6		C9 0-6		C1 0-12	
				depth:	0-6 in		0-6 in		0-12 in	
				sample_date:	07/10/2009		07/09/2009		07/09/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
534-52-1	4,6-Dinitro-2-Methylpheno	E625	ug/kg	611						
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22						
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8						
58-90-2	Chlorophenols	E625	ug/kg	284						
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000						
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120						
621-64-7	N-Nitroso-Di-N-Propylamir	E625	ug/kg	69.4						
67-72-1	Hexachloroethane	E625	ug/kg	804						
7005-72-3	4-Chlorophenyl Phenyleth	E625	ug/kg	NL						
77-47-4	Hexachlorocyclopentadier	E625	ug/kg	139						
78-59-1	Isophorone	E625	ug/kg	511000						
83-32-9	Acenaphthene	E625	ug/kg	6.71						
84-66-2	Diethylphthalate	E625	ug/kg	218						
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160						
85-01-8	Phenanthrene	E625	ug/kg	86.7						
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800						
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100						
86-73-7	Fluorene	E625	ug/kg	19						
86-74-8	Carbazole	E625	ug/kg	NL						
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110						
87-86-5	Pentachlorophenol	E625	ug/kg	2970						
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650						
88-74-4	2-Nitroaniline	E625	ug/kg	60600						
88-75-5	2-Nitrophenol	E625	ug/kg	NL						
91-20-3	Naphthalene	E625	ug/kg	34.6						
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2						
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000						
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080						
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220						
95-48-7	2-Methylphenol	E625	ug/kg	306000						
95-57-8	2-Chlorophenol	E625	ug/kg	344						
95-94-3	1,2,4,5-Tetrachlorobenzer	E625	ug/kg	1830						
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819						

				sys_loc_code:	C8		C9		C1	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	C8 0-6		C9 0-6		C1 0-12	
				depth:	0-6 in		0-6 in		0-12 in	
				sample_date:	07/10/2009		07/09/2009		07/09/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
98-86-2	Acetophenone	E625	ug/kg	782000						
98-95-3	Nitrobenzene	E625	ug/kg	4790						
99-09-2	3-Nitroaniline	E625	ug/kg	NL						

				sys_loc_code:	C10		C15		C16		
				loc_name:	Area-08		Area-08		Area-08		
				sys_sample_code:	C10 0-12		C15 0-12		C16 0-12		
				depth:	0-12 in		0-12 in		0-12 in		
				sample_date:	07/09/2009		07/09/2009		07/09/2009		
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED							
7429-90-5	Aluminum	C200.7	mg/kg	7740							
7440-36-0	Antimony	C200.7	mg/kg	2							
7440-38-2	Arsenic	C200.7	mg/kg	0.389							
7440-39-3	Barium	C200.7	mg/kg	130.1							
7440-41-7	Beryllium	C200.7	mg/kg	15.6							
7440-43-9	Cadmium	C200.7	mg/kg	0.68							
7440-70-2	Calcium	C200.7	mg/kg	NL							
7440-47-3	Chromium	C200.7	mg/kg	52.3							
7440-48-4	Cobalt	C200.7	mg/kg	2.34							
7440-50-8	Copper	C200.7	mg/kg	18.7							
7439-89-6	Iron	C200.7	mg/kg	2000							
7439-92-1	Lead	C200.7	mg/kg	30.2							
7439-95-4	Magnesium	C200.7	mg/kg	NL							
7439-96-5	Manganese	C200.7	mg/kg	183							
7440-02-0	Nickel	C200.7	mg/kg	15.9							
7440-09-7	Potassium	C200.7	mg/kg	NL							
7782-49-2	Selenium	C200.7	mg/kg	2							
7440-22-4	Silver	C200.7	mg/kg	0.73							
7440-23-5	Sodium	C200.7	mg/kg	NL							
7440-28-0	Thallium	C200.7	mg/kg	100000							
7440-31-5	Tin	C200.7	mg/kg	NL							
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548							
7440-66-6	Zinc	C200.7	mg/kg	124							
7429-90-5	Aluminum	E200.7	mg/kg	7740	3260		6980		1910		
7439-89-6	Iron	E200.7	mg/kg	2000	47000	J	23100	J	7510	J	
7439-92-1	Lead	E200.7	mg/kg	30.2	261	J	311		43.3		
7439-95-4	Magnesium	E200.7	mg/kg	NL	781	J	3460		975		
7439-96-5	Manganese	E200.7	mg/kg	183	294		153	J	39	J	
7440-09-7	Potassium	E200.7	mg/kg	NL	287	J	1420		416	J	
7440-23-5	Sodium	E200.7	mg/kg	NL	956	J	5250		2200		
7440-36-0	Antimony	E200.7	mg/kg	2							
7440-38-2	Arsenic	E200.7	mg/kg	0.389	20.6	J	20		3.4		
7440-50-8	Copper	E200.7	mg/kg	18.7	124	J	127		27.3		

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				sys_loc_code:	C10		C15		C16		
				loc_name:	Area-08		Area-08		Area-08		
				sys_sample_code:	C10 0-12		C15 0-12		C16 0-12		
				depth:	0-12 in		0-12 in		0-12 in		
				sample_date:	07/09/2009		07/09/2009		07/09/2009		
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED							
7440-66-6	Zinc	E200.7	mg/kg	124	115	J	304		69.7		
7440-70-2	Calcium	E200.7	mg/kg	NL	4910		2650	J	797	J	
7440-36-0	Antimony	E200.8	mg/kg	2	12.6		4	J	1.2	J	
7440-38-2	Arsenic	E200.8	mg/kg	0.389							
7440-39-3	Barium	E200.8	mg/kg	130.1	17.5		36.6		10.9		
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.54		0.72		0.39		
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.27	U	2.2		0.87		
7440-47-3	Chromium	E200.8	mg/kg	52.3	27.6	J	47.8		18.7		
7440-48-4	Cobalt	E200.8	mg/kg	2.34	3.2	J	6.1	J	2.8	J	
7440-50-8	Copper	E200.8	mg/kg	18.7							
7439-92-1	Lead	E200.8	mg/kg	30.2							
7439-96-5	Manganese	E200.8	mg/kg	183							
7440-02-0	Nickel	E200.8	mg/kg	15.9	5.7	J	20.1		7.7		
7782-49-2	Selenium	E200.8	mg/kg	2	0.32	J	1.4	J	0.48	J	
7440-22-4	Silver	E200.8	mg/kg	0.73	0.27	UJ	2.8	J	1.1	J	
7440-28-0	Thallium	E200.8	mg/kg	100000	0.53	U	0.89	U	0.61	U	
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	40.3	J	36.2		18.1		
7440-66-6	Zinc	E200.8	mg/kg	124							
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.22		1.1		0.25		
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6							
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357							
309-00-2	Aldrin	CPEST	ug/kg	2							
319-84-6	Alpha-Bhc	CPEST	ug/kg	3							
319-85-7	Beta-Bhc	CPEST	ug/kg	3							
319-86-8	Delta-Bhc	CPEST	ug/kg	3							
33213-65-9	Endosulfan II	CPEST	ug/kg	14							
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19							
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7							
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7							
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL							
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32							
60-57-1	Dieldrin	CPEST	ug/kg	0.72							
72-20-8	Endrin	CPEST	ug/kg	2.67							

				sys_loc_code:	C10		C15		C16	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	C10 0-12		C15 0-12		C16 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/09/2009		07/09/2009		07/09/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
72-43-5	Methoxychlor	CPEST	ug/kg	29.6						
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22						
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07						
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL						
76-44-8	Heptachlor	CPEST	ug/kg	68						
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1						
959-98-8	Endosulfan I	CPEST	ug/kg	2.9						
11096-82-5	Aroclor 1260	E608	ug/kg	21.6						
11097-69-1	Aroclor 1254	E608	ug/kg	23						
11100-14-4	Aroclor 1268	E608	ug/kg	21.6						
11104-28-2	Aroclor 1221	E608	ug/kg	21.6						
11141-16-5	Aroclor 1232	E608	ug/kg	21.6						
12672-29-6	Aroclor 1248	E608	ug/kg	21.6						
12674-11-2	Aroclor 1016	E608	ug/kg	21.6						
37324-23-5	Aroclor 1262	E608	ug/kg	21.6						
53469-21-9	Aroclor 1242	E608	ug/kg	21.6						
100-41-4	Ethylbenzene	E624	ug/kg	305						
100-42-5	Styrene	E624	ug/kg	7070						
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL						
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL						
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460						
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7						
107-06-2	1,2-Dichloroethane	E624	ug/kg	432						
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000						
108-87-2	Methylcyclohexane	E624	ug/kg	NL						
108-88-3	Toluene	E624	ug/kg	1090						
108-90-7	Chlorobenzene	E624	ug/kg	162						
110-82-7	Cyclohexane	E624	ug/kg	117000						
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473						
123-91-1	1,4-Dioxane	E624	ug/kg	44100						
124-48-1	Dibromochloromethane	E624	ug/kg	680						
127-18-4	Tetrachloroethene	E624	ug/kg	190						
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200						

				sys_loc_code:	C10		C15		C16	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	C10 0-12		C15 0-12		C16 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/09/2009		07/09/2009		07/09/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300						
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300						
179601-23-1	m,p-Xylene	E624	ug/kg	NL						
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842						
56-23-5	Carbon tetrachloride	E624	ug/kg	248						
591-78-6	2-Hexanone	E624	ug/kg	20900						
67-64-1	Acetone	E624	ug/kg	6130000						
67-66-3	Chloroform	E624	ug/kg	295						
71-43-2	Benzene	E624	ug/kg	137						
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856						
74-83-9	Bromomethane	E624	ug/kg	732						
74-87-3	Chloromethane	E624	ug/kg	11900						
74-97-5	Bromochloromethane	E624	ug/kg	NL						
75-00-3	Chloroethane	E624	ug/kg	1450000						
75-01-4	Vinyl Chloride	E624	ug/kg	59.7						
75-09-2	Methylene chloride	E624	ug/kg	10700						
75-15-0	Carbon Disulfide	E624	ug/kg	0.851						
75-25-2	Bromoform	E624	ug/kg	1310						
75-27-4	Bromodichloromethane	E624	ug/kg	273						
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310						
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780						
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700						
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400						
76-13-1	1,1,2-Trichloro-1,2,2-triflud	E624	ug/kg	910000						
78-87-5	1,2-Dichloropropane	E624	ug/kg	895						
78-93-3	2-Butanone	E624	ug/kg	2780000						
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570						
79-01-6	Trichloroethene	E624	ug/kg	1600						
79-20-9	Methyl Acetate	E624	ug/kg	7820000						
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202						
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858						
95-47-6	o-Xylene	E624	ug/kg	NL						
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989						

				sys_loc_code:	C10		C15		C16	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	C10 0-12		C15 0-12		C16 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/09/2009		07/09/2009		07/09/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
96-12-8	1,2-Dibromo-3-chloroprop	E624	ug/kg	5.35						
98-82-8	Isopropylbenzene	E624	ug/kg	86						
100-01-6	4-Nitroaniline	E625	ug/kg	24300						
100-02-7	4-Nitrophenol	E625	ug/kg	NL						
100-52-7	Benzaldehyde	E625	ug/kg	782000						
101-55-3	4-Bromophenyl Phenyl Eth	E625	ug/kg	1230						
105-60-2	Caprolactam	E625	ug/kg	3060000						
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29						
106-44-5	4-Methylphenol	E625	ug/kg	670						
106-47-8	4-Chloroaniline	E625	ug/kg	2430						
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570						
108-95-2	Phenol	E625	ug/kg	420						
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214						
111-91-1	Bis(2-Chloroethoxy) metha	E625	ug/kg	18300						
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182						
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL						
118-74-1	Hexachlorobenzene	E625	ug/kg	20						
120-12-7	Anthracene	E625	ug/kg	46.9						
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117						
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6						
129-00-0	Pyrene	E625	ug/kg	153						
131-11-3	Dimethylphthalate	E625	ug/kg	NL						
132-64-9	Dibenzofuran	E625	ug/kg	7300						
1912-24-9	Atrazine	E625	ug/kg	6.62						
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170						
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17						
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148						
206-44-0	Fluoranthene	E625	ug/kg	113						
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240						
208-96-8	Acenaphthylene	E625	ug/kg	5.87						
218-01-9	Chrysene	E625	ug/kg	108						
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8						
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200						

				sys_loc_code:	C10		C15		C16	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	C10 0-12		C15 0-12		C16 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/09/2009		07/09/2009		07/09/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
534-52-1	4,6-Dinitro-2-Methylpheno	E625	ug/kg	611						
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22						
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8						
58-90-2	Chlorophenols	E625	ug/kg	284						
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000						
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120						
621-64-7	N-Nitroso-Di-N-Propylamir	E625	ug/kg	69.4						
67-72-1	Hexachloroethane	E625	ug/kg	804						
7005-72-3	4-Chlorophenyl Phenyleth	E625	ug/kg	NL						
77-47-4	Hexachlorocyclopentadier	E625	ug/kg	139						
78-59-1	Isophorone	E625	ug/kg	511000						
83-32-9	Acenaphthene	E625	ug/kg	6.71						
84-66-2	Diethylphthalate	E625	ug/kg	218						
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160						
85-01-8	Phenanthrene	E625	ug/kg	86.7						
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800						
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100						
86-73-7	Fluorene	E625	ug/kg	19						
86-74-8	Carbazole	E625	ug/kg	NL						
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110						
87-86-5	Pentachlorophenol	E625	ug/kg	2970						
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650						
88-74-4	2-Nitroaniline	E625	ug/kg	60600						
88-75-5	2-Nitrophenol	E625	ug/kg	NL						
91-20-3	Naphthalene	E625	ug/kg	34.6						
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2						
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000						
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080						
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220						
95-48-7	2-Methylphenol	E625	ug/kg	306000						
95-57-8	2-Chlorophenol	E625	ug/kg	344						
95-94-3	1,2,4,5-Tetrachlorobenzer	E625	ug/kg	1830						
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819						

				sys_loc_code:	C10		C15		C16	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	C10 0-12		C15 0-12		C16 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/09/2009		07/09/2009		07/09/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
98-86-2	Acetophenone	E625	ug/kg	782000						
98-95-3	Nitrobenzene	E625	ug/kg	4790						
99-09-2	3-Nitroaniline	E625	ug/kg	NL						

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				sys_loc_code:	C17			C18			C19	
				loc_name:	Area-08			Area-08			Area-08	
				sys_sample_code:	C17 0-12			C18 0-12			C19 0-12	
				depth:	0-12 in			0-12 in			0-12 in	
				sample_date:	07/10/2009			07/10/2009			07/09/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	C200.7	mg/kg	7740								
7440-36-0	Antimony	C200.7	mg/kg	2								
7440-38-2	Arsenic	C200.7	mg/kg	0.389								
7440-39-3	Barium	C200.7	mg/kg	130.1								
7440-41-7	Beryllium	C200.7	mg/kg	15.6								
7440-43-9	Cadmium	C200.7	mg/kg	0.68								
7440-70-2	Calcium	C200.7	mg/kg	NL								
7440-47-3	Chromium	C200.7	mg/kg	52.3								
7440-48-4	Cobalt	C200.7	mg/kg	2.34								
7440-50-8	Copper	C200.7	mg/kg	18.7								
7439-89-6	Iron	C200.7	mg/kg	2000								
7439-92-1	Lead	C200.7	mg/kg	30.2								
7439-95-4	Magnesium	C200.7	mg/kg	NL								
7439-96-5	Manganese	C200.7	mg/kg	183								
7440-02-0	Nickel	C200.7	mg/kg	15.9								
7440-09-7	Potassium	C200.7	mg/kg	NL								
7782-49-2	Selenium	C200.7	mg/kg	2								
7440-22-4	Silver	C200.7	mg/kg	0.73								
7440-23-5	Sodium	C200.7	mg/kg	NL								
7440-28-0	Thallium	C200.7	mg/kg	100000								
7440-31-5	Tin	C200.7	mg/kg	NL								
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548								
7440-66-6	Zinc	C200.7	mg/kg	124								
7429-90-5	Aluminum	E200.7	mg/kg	7740	3490	J		2950	J		2580	
7439-89-6	Iron	E200.7	mg/kg	2000	10400	J		24400	J		32900	J
7439-92-1	Lead	E200.7	mg/kg	30.2							16.1	J
7439-95-4	Magnesium	E200.7	mg/kg	NL	1460	J		823			496	J
7439-96-5	Manganese	E200.7	mg/kg	183							32.8	
7440-09-7	Potassium	E200.7	mg/kg	NL	720	J		571	U		230	J
7440-23-5	Sodium	E200.7	mg/kg	NL	2340	J		1260			1090	J
7440-36-0	Antimony	E200.7	mg/kg	2								
7440-38-2	Arsenic	E200.7	mg/kg	0.389							38.4	J
7440-50-8	Copper	E200.7	mg/kg	18.7							12.4	J

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				sys_loc_code:	C17			C18		C19	
				loc_name:	Area-08			Area-08		Area-08	
				sys_sample_code:	C17 0-12			C18 0-12		C19 0-12	
				depth:	0-12 in			0-12 in		0-12 in	
				sample_date:	07/10/2009			07/10/2009		07/09/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED							
7440-66-6	Zinc	E200.7	mg/kg	124						44.3	J
7440-70-2	Calcium	E200.7	mg/kg	NL	995	J		887	J	267	J
7440-36-0	Antimony	E200.8	mg/kg	2	1.3	U		1.1	U	1.1	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389	6.2	J		9.2	J		
7440-39-3	Barium	E200.8	mg/kg	130.1	10.6	J		3.9	J	5.4	U
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.38			0.54	J	0.36	
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.72			0.29	U	0.27	U
7440-47-3	Chromium	E200.8	mg/kg	52.3	17.6			15.5	J	14.5	J
7440-48-4	Cobalt	E200.8	mg/kg	2.34	2.4			1.7		0.93	J
7440-50-8	Copper	E200.8	mg/kg	18.7	58.7			18.3	J		
7439-92-1	Lead	E200.8	mg/kg	30.2	59.1			32.1			
7439-96-5	Manganese	E200.8	mg/kg	183	50.8			38.7	J		
7440-02-0	Nickel	E200.8	mg/kg	15.9	7.3			4.3		2.2	J
7782-49-2	Selenium	E200.8	mg/kg	2	0.5	J		0.36	J	0.21	J
7440-22-4	Silver	E200.8	mg/kg	0.73	0.85	J		0.29	U	0.27	UJ
7440-28-0	Thallium	E200.8	mg/kg	100000	0.65	U		0.57	U	0.54	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	17.9			25.3	J	27.2	J
7440-66-6	Zinc	E200.8	mg/kg	124	115			48.7			
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.46			0.13		0.069	
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6							
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357							
309-00-2	Aldrin	CPEST	ug/kg	2							
319-84-6	Alpha-Bhc	CPEST	ug/kg	3							
319-85-7	Beta-Bhc	CPEST	ug/kg	3							
319-86-8	Delta-Bhc	CPEST	ug/kg	3							
33213-65-9	Endosulfan II	CPEST	ug/kg	14							
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19							
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7							
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7							
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL							
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32							
60-57-1	Dieldrin	CPEST	ug/kg	0.72							
72-20-8	Endrin	CPEST	ug/kg	2.67							

				sys_loc_code:	C17		C18		C19	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	C17 0-12		C18 0-12		C19 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/10/2009		07/10/2009		07/09/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
72-43-5	Methoxychlor	CPEST	ug/kg	29.6						
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22						
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07						
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL						
76-44-8	Heptachlor	CPEST	ug/kg	68						
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1						
959-98-8	Endosulfan I	CPEST	ug/kg	2.9						
11096-82-5	Aroclor 1260	E608	ug/kg	21.6						
11097-69-1	Aroclor 1254	E608	ug/kg	23						
11100-14-4	Aroclor 1268	E608	ug/kg	21.6						
11104-28-2	Aroclor 1221	E608	ug/kg	21.6						
11141-16-5	Aroclor 1232	E608	ug/kg	21.6						
12672-29-6	Aroclor 1248	E608	ug/kg	21.6						
12674-11-2	Aroclor 1016	E608	ug/kg	21.6						
37324-23-5	Aroclor 1262	E608	ug/kg	21.6						
53469-21-9	Aroclor 1242	E608	ug/kg	21.6						
100-41-4	Ethylbenzene	E624	ug/kg	305						
100-42-5	Styrene	E624	ug/kg	7070						
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL						
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL						
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460						
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7						
107-06-2	1,2-Dichloroethane	E624	ug/kg	432						
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000						
108-87-2	Methylcyclohexane	E624	ug/kg	NL						
108-88-3	Toluene	E624	ug/kg	1090						
108-90-7	Chlorobenzene	E624	ug/kg	162						
110-82-7	Cyclohexane	E624	ug/kg	117000						
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473						
123-91-1	1,4-Dioxane	E624	ug/kg	44100						
124-48-1	Dibromochloromethane	E624	ug/kg	680						
127-18-4	Tetrachloroethene	E624	ug/kg	190						
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200						

				sys_loc_code:	C17		C18		C19	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	C17 0-12		C18 0-12		C19 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/10/2009		07/10/2009		07/09/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300						
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300						
179601-23-1	m,p-Xylene	E624	ug/kg	NL						
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842						
56-23-5	Carbon tetrachloride	E624	ug/kg	248						
591-78-6	2-Hexanone	E624	ug/kg	20900						
67-64-1	Acetone	E624	ug/kg	6130000						
67-66-3	Chloroform	E624	ug/kg	295						
71-43-2	Benzene	E624	ug/kg	137						
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856						
74-83-9	Bromomethane	E624	ug/kg	732						
74-87-3	Chloromethane	E624	ug/kg	11900						
74-97-5	Bromochloromethane	E624	ug/kg	NL						
75-00-3	Chloroethane	E624	ug/kg	1450000						
75-01-4	Vinyl Chloride	E624	ug/kg	59.7						
75-09-2	Methylene chloride	E624	ug/kg	10700						
75-15-0	Carbon Disulfide	E624	ug/kg	0.851						
75-25-2	Bromoform	E624	ug/kg	1310						
75-27-4	Bromodichloromethane	E624	ug/kg	273						
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310						
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780						
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700						
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400						
76-13-1	1,1,2-Trichloro-1,2,2-trifluo	E624	ug/kg	910000						
78-87-5	1,2-Dichloropropane	E624	ug/kg	895						
78-93-3	2-Butanone	E624	ug/kg	2780000						
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570						
79-01-6	Trichloroethene	E624	ug/kg	1600						
79-20-9	Methyl Acetate	E624	ug/kg	7820000						
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202						
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858						
95-47-6	o-Xylene	E624	ug/kg	NL						
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989						

				sys_loc_code:	C17		C18		C19	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	C17 0-12		C18 0-12		C19 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/10/2009		07/10/2009		07/09/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
96-12-8	1,2-Dibromo-3-chloroprop	E624	ug/kg	5.35						
98-82-8	Isopropylbenzene	E624	ug/kg	86						
100-01-6	4-Nitroaniline	E625	ug/kg	24300						
100-02-7	4-Nitrophenol	E625	ug/kg	NL						
100-52-7	Benzaldehyde	E625	ug/kg	782000						
101-55-3	4-Bromophenyl Phenyl Eth	E625	ug/kg	1230						
105-60-2	Caprolactam	E625	ug/kg	3060000						
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29						
106-44-5	4-Methylphenol	E625	ug/kg	670						
106-47-8	4-Chloroaniline	E625	ug/kg	2430						
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570						
108-95-2	Phenol	E625	ug/kg	420						
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214						
111-91-1	Bis(2-Chloroethoxy) metha	E625	ug/kg	18300						
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182						
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL						
118-74-1	Hexachlorobenzene	E625	ug/kg	20						
120-12-7	Anthracene	E625	ug/kg	46.9						
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117						
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6						
129-00-0	Pyrene	E625	ug/kg	153						
131-11-3	Dimethylphthalate	E625	ug/kg	NL						
132-64-9	Dibenzofuran	E625	ug/kg	7300						
1912-24-9	Atrazine	E625	ug/kg	6.62						
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170						
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17						
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148						
206-44-0	Fluoranthene	E625	ug/kg	113						
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240						
208-96-8	Acenaphthylene	E625	ug/kg	5.87						
218-01-9	Chrysene	E625	ug/kg	108						
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8						
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200						

				sys_loc_code:	C17		C18		C19	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	C17 0-12		C18 0-12		C19 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/10/2009		07/10/2009		07/09/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
534-52-1	4,6-Dinitro-2-Methylpheno	E625	ug/kg	611						
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22						
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8						
58-90-2	Chlorophenols	E625	ug/kg	284						
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000						
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120						
621-64-7	N-Nitroso-Di-N-Propylamir	E625	ug/kg	69.4						
67-72-1	Hexachloroethane	E625	ug/kg	804						
7005-72-3	4-Chlorophenyl Phenyleth	E625	ug/kg	NL						
77-47-4	Hexachlorocyclopentadier	E625	ug/kg	139						
78-59-1	Isophorone	E625	ug/kg	511000						
83-32-9	Acenaphthene	E625	ug/kg	6.71						
84-66-2	Diethylphthalate	E625	ug/kg	218						
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160						
85-01-8	Phenanthrene	E625	ug/kg	86.7						
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800						
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100						
86-73-7	Fluorene	E625	ug/kg	19						
86-74-8	Carbazole	E625	ug/kg	NL						
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110						
87-86-5	Pentachlorophenol	E625	ug/kg	2970						
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650						
88-74-4	2-Nitroaniline	E625	ug/kg	60600						
88-75-5	2-Nitrophenol	E625	ug/kg	NL						
91-20-3	Naphthalene	E625	ug/kg	34.6						
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2						
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000						
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080						
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220						
95-48-7	2-Methylphenol	E625	ug/kg	306000						
95-57-8	2-Chlorophenol	E625	ug/kg	344						
95-94-3	1,2,4,5-Tetrachlorobenzer	E625	ug/kg	1830						
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819						

				sys_loc_code:	C17		C18		C19	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	C17 0-12		C18 0-12		C19 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/10/2009		07/10/2009		07/09/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
98-86-2	Acetophenone	E625	ug/kg	782000						
98-95-3	Nitrobenzene	E625	ug/kg	4790						
99-09-2	3-Nitroaniline	E625	ug/kg	NL						

				sys_loc_code:	C2		C25		C26		
				loc_name:	Area-08		Area-08		Area-08		
				sys_sample_code:	C2 0-12		C25 0-12		C26 0-12		
				depth:	0-12 in		0-12 in		0-12 in		
				sample_date:	07/09/2009		07/09/2009		07/09/2009		
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED							
7429-90-5	Aluminum	C200.7	mg/kg	7740							
7440-36-0	Antimony	C200.7	mg/kg	2							
7440-38-2	Arsenic	C200.7	mg/kg	0.389							
7440-39-3	Barium	C200.7	mg/kg	130.1							
7440-41-7	Beryllium	C200.7	mg/kg	15.6							
7440-43-9	Cadmium	C200.7	mg/kg	0.68							
7440-70-2	Calcium	C200.7	mg/kg	NL							
7440-47-3	Chromium	C200.7	mg/kg	52.3							
7440-48-4	Cobalt	C200.7	mg/kg	2.34							
7440-50-8	Copper	C200.7	mg/kg	18.7							
7439-89-6	Iron	C200.7	mg/kg	2000							
7439-92-1	Lead	C200.7	mg/kg	30.2							
7439-95-4	Magnesium	C200.7	mg/kg	NL							
7439-96-5	Manganese	C200.7	mg/kg	183							
7440-02-0	Nickel	C200.7	mg/kg	15.9							
7440-09-7	Potassium	C200.7	mg/kg	NL							
7782-49-2	Selenium	C200.7	mg/kg	2							
7440-22-4	Silver	C200.7	mg/kg	0.73							
7440-23-5	Sodium	C200.7	mg/kg	NL							
7440-28-0	Thallium	C200.7	mg/kg	100000							
7440-31-5	Tin	C200.7	mg/kg	NL							
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548							
7440-66-6	Zinc	C200.7	mg/kg	124							
7429-90-5	Aluminum	E200.7	mg/kg	7740	2600	J	9500	J	7020	J	
7439-89-6	Iron	E200.7	mg/kg	2000	15500	J	31600	J	25100	J	
7439-92-1	Lead	E200.7	mg/kg	30.2	1550		368	J	254	J	
7439-95-4	Magnesium	E200.7	mg/kg	NL	1850	J	5220	J	3890	J	
7439-96-5	Manganese	E200.7	mg/kg	183	86.9	J	241	J	182	J	
7440-09-7	Potassium	E200.7	mg/kg	NL	617	J	2070	J	1530	J	
7440-23-5	Sodium	E200.7	mg/kg	NL	3160	J	8680	J	5980	J	
7440-36-0	Antimony	E200.7	mg/kg	2							
7440-38-2	Arsenic	E200.7	mg/kg	0.389	32.2		28.9	J	22	J	
7440-50-8	Copper	E200.7	mg/kg	18.7	91.8	J	196	J	162	J	

				sys_loc_code:	C2		C25		C26		
				loc_name:	Area-08		Area-08		Area-08		
				sys_sample_code:	C2 0-12		C25 0-12		C26 0-12		
				depth:	0-12 in		0-12 in		0-12 in		
				sample_date:	07/09/2009		07/09/2009		07/09/2009		
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED							
7440-66-6	Zinc	E200.7	mg/kg	124	148	J	398	J	306	J	
7440-70-2	Calcium	E200.7	mg/kg	NL	8690	J	3410	J	3000	J	
7440-36-0	Antimony	E200.8	mg/kg	2	41.6		3.8	J	2.6	J	
7440-38-2	Arsenic	E200.8	mg/kg	0.389							
7440-39-3	Barium	E200.8	mg/kg	130.1	23.2		51.7	J	51.1	J	
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.52		1	J	0.93	J	
7440-43-9	Cadmium	E200.8	mg/kg	0.68	1.1		3.1	J	2.6	J	
7440-47-3	Chromium	E200.8	mg/kg	52.3	23.2		71.3	J	67.6	J	
7440-48-4	Cobalt	E200.8	mg/kg	2.34	3.8		8.1	J	6.5	J	
7440-50-8	Copper	E200.8	mg/kg	18.7							
7439-92-1	Lead	E200.8	mg/kg	30.2							
7439-96-5	Manganese	E200.8	mg/kg	183							
7440-02-0	Nickel	E200.8	mg/kg	15.9	10.5		28.3	J	26.4	J	
7782-49-2	Selenium	E200.8	mg/kg	2	0.62	J	2.3	J	3.1	J	
7440-22-4	Silver	E200.8	mg/kg	0.73	0.9	J	4.2	J	3.9	J	
7440-28-0	Thallium	E200.8	mg/kg	100000	0.73	U	1.2	UJ	0.99	UJ	
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	25		48.7	J	39.2	J	
7440-66-6	Zinc	E200.8	mg/kg	124							
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.3		1.9	J	1	J	
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6							
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357							
309-00-2	Aldrin	CPEST	ug/kg	2							
319-84-6	Alpha-Bhc	CPEST	ug/kg	3							
319-85-7	Beta-Bhc	CPEST	ug/kg	3							
319-86-8	Delta-Bhc	CPEST	ug/kg	3							
33213-65-9	Endosulfan II	CPEST	ug/kg	14							
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19							
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7							
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7							
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL							
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32							
60-57-1	Dieldrin	CPEST	ug/kg	0.72							
72-20-8	Endrin	CPEST	ug/kg	2.67							

				sys_loc_code:	C2		C25		C26	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	C2 0-12		C25 0-12		C26 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/09/2009		07/09/2009		07/09/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
72-43-5	Methoxychlor	CPEST	ug/kg	29.6						
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22						
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07						
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL						
76-44-8	Heptachlor	CPEST	ug/kg	68						
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1						
959-98-8	Endosulfan I	CPEST	ug/kg	2.9						
11096-82-5	Aroclor 1260	E608	ug/kg	21.6						
11097-69-1	Aroclor 1254	E608	ug/kg	23						
11100-14-4	Aroclor 1268	E608	ug/kg	21.6						
11104-28-2	Aroclor 1221	E608	ug/kg	21.6						
11141-16-5	Aroclor 1232	E608	ug/kg	21.6						
12672-29-6	Aroclor 1248	E608	ug/kg	21.6						
12674-11-2	Aroclor 1016	E608	ug/kg	21.6						
37324-23-5	Aroclor 1262	E608	ug/kg	21.6						
53469-21-9	Aroclor 1242	E608	ug/kg	21.6						
100-41-4	Ethylbenzene	E624	ug/kg	305						
100-42-5	Styrene	E624	ug/kg	7070						
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL						
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL						
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460						
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7						
107-06-2	1,2-Dichloroethane	E624	ug/kg	432						
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000						
108-87-2	Methylcyclohexane	E624	ug/kg	NL						
108-88-3	Toluene	E624	ug/kg	1090						
108-90-7	Chlorobenzene	E624	ug/kg	162						
110-82-7	Cyclohexane	E624	ug/kg	117000						
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473						
123-91-1	1,4-Dioxane	E624	ug/kg	44100						
124-48-1	Dibromochloromethane	E624	ug/kg	680						
127-18-4	Tetrachloroethene	E624	ug/kg	190						
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200						

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				sys_loc_code:	C2		C25		C26	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	C2 0-12		C25 0-12		C26 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/09/2009		07/09/2009		07/09/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300						
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300						
179601-23-1	m,p-Xylene	E624	ug/kg	NL						
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842						
56-23-5	Carbon tetrachloride	E624	ug/kg	248						
591-78-6	2-Hexanone	E624	ug/kg	20900						
67-64-1	Acetone	E624	ug/kg	6130000						
67-66-3	Chloroform	E624	ug/kg	295						
71-43-2	Benzene	E624	ug/kg	137						
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856						
74-83-9	Bromomethane	E624	ug/kg	732						
74-87-3	Chloromethane	E624	ug/kg	11900						
74-97-5	Bromochloromethane	E624	ug/kg	NL						
75-00-3	Chloroethane	E624	ug/kg	1450000						
75-01-4	Vinyl Chloride	E624	ug/kg	59.7						
75-09-2	Methylene chloride	E624	ug/kg	10700						
75-15-0	Carbon Disulfide	E624	ug/kg	0.851						
75-25-2	Bromoform	E624	ug/kg	1310						
75-27-4	Bromodichloromethane	E624	ug/kg	273						
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310						
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780						
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700						
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400						
76-13-1	1,1,2-Trichloro-1,2,2-triflud	E624	ug/kg	910000						
78-87-5	1,2-Dichloropropane	E624	ug/kg	895						
78-93-3	2-Butanone	E624	ug/kg	2780000						
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570						
79-01-6	Trichloroethene	E624	ug/kg	1600						
79-20-9	Methyl Acetate	E624	ug/kg	7820000						
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202						
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858						
95-47-6	o-Xylene	E624	ug/kg	NL						
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989						

				sys_loc_code:	C2		C25		C26	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	C2 0-12		C25 0-12		C26 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/09/2009		07/09/2009		07/09/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
96-12-8	1,2-Dibromo-3-chloroprop	E624	ug/kg	5.35						
98-82-8	Isopropylbenzene	E624	ug/kg	86						
100-01-6	4-Nitroaniline	E625	ug/kg	24300						
100-02-7	4-Nitrophenol	E625	ug/kg	NL						
100-52-7	Benzaldehyde	E625	ug/kg	782000						
101-55-3	4-Bromophenyl Phenyl Eth	E625	ug/kg	1230						
105-60-2	Caprolactam	E625	ug/kg	3060000						
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29						
106-44-5	4-Methylphenol	E625	ug/kg	670						
106-47-8	4-Chloroaniline	E625	ug/kg	2430						
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570						
108-95-2	Phenol	E625	ug/kg	420						
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214						
111-91-1	Bis(2-Chloroethoxy) metha	E625	ug/kg	18300						
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182						
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL						
118-74-1	Hexachlorobenzene	E625	ug/kg	20						
120-12-7	Anthracene	E625	ug/kg	46.9						
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117						
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6						
129-00-0	Pyrene	E625	ug/kg	153						
131-11-3	Dimethylphthalate	E625	ug/kg	NL						
132-64-9	Dibenzofuran	E625	ug/kg	7300						
1912-24-9	Atrazine	E625	ug/kg	6.62						
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170						
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17						
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148						
206-44-0	Fluoranthene	E625	ug/kg	113						
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240						
208-96-8	Acenaphthylene	E625	ug/kg	5.87						
218-01-9	Chrysene	E625	ug/kg	108						
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8						
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200						

				sys_loc_code:	C2		C25		C26	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	C2 0-12		C25 0-12		C26 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/09/2009		07/09/2009		07/09/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
534-52-1	4,6-Dinitro-2-Methylpheno	E625	ug/kg	611						
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22						
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8						
58-90-2	Chlorophenols	E625	ug/kg	284						
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000						
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120						
621-64-7	N-Nitroso-Di-N-Propylamir	E625	ug/kg	69.4						
67-72-1	Hexachloroethane	E625	ug/kg	804						
7005-72-3	4-Chlorophenyl Phenyleth	E625	ug/kg	NL						
77-47-4	Hexachlorocyclopentadier	E625	ug/kg	139						
78-59-1	Isophorone	E625	ug/kg	511000						
83-32-9	Acenaphthene	E625	ug/kg	6.71						
84-66-2	Diethylphthalate	E625	ug/kg	218						
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160						
85-01-8	Phenanthrene	E625	ug/kg	86.7						
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800						
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100						
86-73-7	Fluorene	E625	ug/kg	19						
86-74-8	Carbazole	E625	ug/kg	NL						
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110						
87-86-5	Pentachlorophenol	E625	ug/kg	2970						
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650						
88-74-4	2-Nitroaniline	E625	ug/kg	60600						
88-75-5	2-Nitrophenol	E625	ug/kg	NL						
91-20-3	Naphthalene	E625	ug/kg	34.6						
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2						
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000						
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080						
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220						
95-48-7	2-Methylphenol	E625	ug/kg	306000						
95-57-8	2-Chlorophenol	E625	ug/kg	344						
95-94-3	1,2,4,5-Tetrachlorobenzer	E625	ug/kg	1830						
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819						

				sys_loc_code:	C2		C25		C26	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	C2 0-12		C25 0-12		C26 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/09/2009		07/09/2009		07/09/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
98-86-2	Acetophenone	E625	ug/kg	782000						
98-95-3	Nitrobenzene	E625	ug/kg	4790						
99-09-2	3-Nitroaniline	E625	ug/kg	NL						

				sys_loc_code:	C26		C27		C28		
				loc_name:	Area-08		Area-08		Area-08		
				sys_sample_code:	Z26 0-12		C27 0-12		C28 0-12		
				depth:	0-12 in		0-12 in		0-12 in		
				sample_date:	07/09/2009		07/09/2009		07/09/2009		
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED							
7429-90-5	Aluminum	C200.7	mg/kg	7740							
7440-36-0	Antimony	C200.7	mg/kg	2							
7440-38-2	Arsenic	C200.7	mg/kg	0.389							
7440-39-3	Barium	C200.7	mg/kg	130.1							
7440-41-7	Beryllium	C200.7	mg/kg	15.6							
7440-43-9	Cadmium	C200.7	mg/kg	0.68							
7440-70-2	Calcium	C200.7	mg/kg	NL							
7440-47-3	Chromium	C200.7	mg/kg	52.3							
7440-48-4	Cobalt	C200.7	mg/kg	2.34							
7440-50-8	Copper	C200.7	mg/kg	18.7							
7439-89-6	Iron	C200.7	mg/kg	2000							
7439-92-1	Lead	C200.7	mg/kg	30.2							
7439-95-4	Magnesium	C200.7	mg/kg	NL							
7439-96-5	Manganese	C200.7	mg/kg	183							
7440-02-0	Nickel	C200.7	mg/kg	15.9							
7440-09-7	Potassium	C200.7	mg/kg	NL							
7782-49-2	Selenium	C200.7	mg/kg	2							
7440-22-4	Silver	C200.7	mg/kg	0.73							
7440-23-5	Sodium	C200.7	mg/kg	NL							
7440-28-0	Thallium	C200.7	mg/kg	100000							
7440-31-5	Tin	C200.7	mg/kg	NL							
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548							
7440-66-6	Zinc	C200.7	mg/kg	124							
7429-90-5	Aluminum	E200.7	mg/kg	7740	7540	J	6420	J	2310	J	
7439-89-6	Iron	E200.7	mg/kg	2000	27100	J	22800	J	16000	J	
7439-92-1	Lead	E200.7	mg/kg	30.2	221	J	163				
7439-95-4	Magnesium	E200.7	mg/kg	NL	4190	J	3820	J	1090		
7439-96-5	Manganese	E200.7	mg/kg	183	211	J	162	J			
7440-09-7	Potassium	E200.7	mg/kg	NL	1700	J	1480	J	616	U	
7440-23-5	Sodium	E200.7	mg/kg	NL	7330	J	6950	J	1430		
7440-36-0	Antimony	E200.7	mg/kg	2							
7440-38-2	Arsenic	E200.7	mg/kg	0.389	26.5	J	22.9				
7440-50-8	Copper	E200.7	mg/kg	18.7	200	J	163	J			

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				sys_loc_code:	C26		C27		C28		
				loc_name:	Area-08		Area-08		Area-08		
				sys_sample_code:	Z26 0-12		C27 0-12		C28 0-12		
				depth:	0-12 in		0-12 in		0-12 in		
				sample_date:	07/09/2009		07/09/2009		07/09/2009		
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED							
7440-66-6	Zinc	E200.7	mg/kg	124	345	J	294	J			
7440-70-2	Calcium	E200.7	mg/kg	NL	3030	J	2220	J	26500		
7440-36-0	Antimony	E200.8	mg/kg	2	2.7	J	1.6	U	1.1	U	
7440-38-2	Arsenic	E200.8	mg/kg	0.389							
7440-39-3	Barium	E200.8	mg/kg	130.1	53.6	J	34.3		5.7	U	
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.96	J	0.73		0.28	U	
7440-43-9	Cadmium	E200.8	mg/kg	0.68	2.7	J	2.1		0.41		
7440-47-3	Chromium	E200.8	mg/kg	52.3	70.6	J	47.5		13.1		
7440-48-4	Cobalt	E200.8	mg/kg	2.34	7	J	5.5		1.8		
7440-50-8	Copper	E200.8	mg/kg	18.7							
7439-92-1	Lead	E200.8	mg/kg	30.2							
7439-96-5	Manganese	E200.8	mg/kg	183							
7440-02-0	Nickel	E200.8	mg/kg	15.9	26.5	J	19.6		6.8		
7782-49-2	Selenium	E200.8	mg/kg	2	2.7	J	2		0.7		
7440-22-4	Silver	E200.8	mg/kg	0.73	4.2	J	2.9	J	0.41	J	
7440-28-0	Thallium	E200.8	mg/kg	100000	0.91	UJ	0.79	U	0.57	U	
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	42.4	J	30.3		18		
7440-66-6	Zinc	E200.8	mg/kg	124							
7439-97-6	Mercury	E245.5	mg/kg	0.13	1.6	J	1.1		0.15		
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6							
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357							
309-00-2	Aldrin	CPEST	ug/kg	2							
319-84-6	Alpha-Bhc	CPEST	ug/kg	3							
319-85-7	Beta-Bhc	CPEST	ug/kg	3							
319-86-8	Delta-Bhc	CPEST	ug/kg	3							
33213-65-9	Endosulfan II	CPEST	ug/kg	14							
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19							
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7							
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7							
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL							
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32							
60-57-1	Dieldrin	CPEST	ug/kg	0.72							
72-20-8	Endrin	CPEST	ug/kg	2.67							

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				sys_loc_code:	C26		C27		C28	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	Z26 0-12		C27 0-12		C28 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/09/2009		07/09/2009		07/09/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
72-43-5	Methoxychlor	CPEST	ug/kg	29.6						
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22						
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07						
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL						
76-44-8	Heptachlor	CPEST	ug/kg	68						
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1						
959-98-8	Endosulfan I	CPEST	ug/kg	2.9						
11096-82-5	Aroclor 1260	E608	ug/kg	21.6						
11097-69-1	Aroclor 1254	E608	ug/kg	23						
11100-14-4	Aroclor 1268	E608	ug/kg	21.6						
11104-28-2	Aroclor 1221	E608	ug/kg	21.6						
11141-16-5	Aroclor 1232	E608	ug/kg	21.6						
12672-29-6	Aroclor 1248	E608	ug/kg	21.6						
12674-11-2	Aroclor 1016	E608	ug/kg	21.6						
37324-23-5	Aroclor 1262	E608	ug/kg	21.6						
53469-21-9	Aroclor 1242	E608	ug/kg	21.6						
100-41-4	Ethylbenzene	E624	ug/kg	305						
100-42-5	Styrene	E624	ug/kg	7070						
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL						
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL						
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460						
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7						
107-06-2	1,2-Dichloroethane	E624	ug/kg	432						
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000						
108-87-2	Methylcyclohexane	E624	ug/kg	NL						
108-88-3	Toluene	E624	ug/kg	1090						
108-90-7	Chlorobenzene	E624	ug/kg	162						
110-82-7	Cyclohexane	E624	ug/kg	117000						
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473						
123-91-1	1,4-Dioxane	E624	ug/kg	44100						
124-48-1	Dibromochloromethane	E624	ug/kg	680						
127-18-4	Tetrachloroethene	E624	ug/kg	190						
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200						

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				sys_loc_code:	C26		C27		C28	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	Z26 0-12		C27 0-12		C28 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/09/2009		07/09/2009		07/09/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300						
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300						
179601-23-1	m,p-Xylene	E624	ug/kg	NL						
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842						
56-23-5	Carbon tetrachloride	E624	ug/kg	248						
591-78-6	2-Hexanone	E624	ug/kg	20900						
67-64-1	Acetone	E624	ug/kg	6130000						
67-66-3	Chloroform	E624	ug/kg	295						
71-43-2	Benzene	E624	ug/kg	137						
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856						
74-83-9	Bromomethane	E624	ug/kg	732						
74-87-3	Chloromethane	E624	ug/kg	11900						
74-97-5	Bromochloromethane	E624	ug/kg	NL						
75-00-3	Chloroethane	E624	ug/kg	1450000						
75-01-4	Vinyl Chloride	E624	ug/kg	59.7						
75-09-2	Methylene chloride	E624	ug/kg	10700						
75-15-0	Carbon Disulfide	E624	ug/kg	0.851						
75-25-2	Bromoform	E624	ug/kg	1310						
75-27-4	Bromodichloromethane	E624	ug/kg	273						
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310						
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780						
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700						
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400						
76-13-1	1,1,2-Trichloro-1,2,2-triflud	E624	ug/kg	910000						
78-87-5	1,2-Dichloropropane	E624	ug/kg	895						
78-93-3	2-Butanone	E624	ug/kg	2780000						
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570						
79-01-6	Trichloroethene	E624	ug/kg	1600						
79-20-9	Methyl Acetate	E624	ug/kg	7820000						
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202						
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858						
95-47-6	o-Xylene	E624	ug/kg	NL						
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989						

				sys_loc_code:	C26		C27		C28	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	Z26 0-12		C27 0-12		C28 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/09/2009		07/09/2009		07/09/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
96-12-8	1,2-Dibromo-3-chloroprop	E624	ug/kg	5.35						
98-82-8	Isopropylbenzene	E624	ug/kg	86						
100-01-6	4-Nitroaniline	E625	ug/kg	24300						
100-02-7	4-Nitrophenol	E625	ug/kg	NL						
100-52-7	Benzaldehyde	E625	ug/kg	782000						
101-55-3	4-Bromophenyl Phenyl Eth	E625	ug/kg	1230						
105-60-2	Caprolactam	E625	ug/kg	3060000						
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29						
106-44-5	4-Methylphenol	E625	ug/kg	670						
106-47-8	4-Chloroaniline	E625	ug/kg	2430						
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570						
108-95-2	Phenol	E625	ug/kg	420						
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214						
111-91-1	Bis(2-Chloroethoxy) metha	E625	ug/kg	18300						
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182						
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL						
118-74-1	Hexachlorobenzene	E625	ug/kg	20						
120-12-7	Anthracene	E625	ug/kg	46.9						
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117						
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6						
129-00-0	Pyrene	E625	ug/kg	153						
131-11-3	Dimethylphthalate	E625	ug/kg	NL						
132-64-9	Dibenzofuran	E625	ug/kg	7300						
1912-24-9	Atrazine	E625	ug/kg	6.62						
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170						
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17						
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148						
206-44-0	Fluoranthene	E625	ug/kg	113						
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240						
208-96-8	Acenaphthylene	E625	ug/kg	5.87						
218-01-9	Chrysene	E625	ug/kg	108						
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8						
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200						

				sys_loc_code:	C26		C27		C28	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	Z26 0-12		C27 0-12		C28 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/09/2009		07/09/2009		07/09/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
534-52-1	4,6-Dinitro-2-Methylpheno	E625	ug/kg	611						
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22						
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8						
58-90-2	Chlorophenols	E625	ug/kg	284						
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000						
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120						
621-64-7	N-Nitroso-Di-N-Propylamir	E625	ug/kg	69.4						
67-72-1	Hexachloroethane	E625	ug/kg	804						
7005-72-3	4-Chlorophenyl Phenyleth	E625	ug/kg	NL						
77-47-4	Hexachlorocyclopentadier	E625	ug/kg	139						
78-59-1	Isophorone	E625	ug/kg	511000						
83-32-9	Acenaphthene	E625	ug/kg	6.71						
84-66-2	Diethylphthalate	E625	ug/kg	218						
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160						
85-01-8	Phenanthrene	E625	ug/kg	86.7						
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800						
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100						
86-73-7	Fluorene	E625	ug/kg	19						
86-74-8	Carbazole	E625	ug/kg	NL						
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110						
87-86-5	Pentachlorophenol	E625	ug/kg	2970						
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650						
88-74-4	2-Nitroaniline	E625	ug/kg	60600						
88-75-5	2-Nitrophenol	E625	ug/kg	NL						
91-20-3	Naphthalene	E625	ug/kg	34.6						
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2						
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000						
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080						
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220						
95-48-7	2-Methylphenol	E625	ug/kg	306000						
95-57-8	2-Chlorophenol	E625	ug/kg	344						
95-94-3	1,2,4,5-Tetrachlorobenzer	E625	ug/kg	1830						
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819						

				sys_loc_code:	C26		C27		C28	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	Z26 0-12		C27 0-12		C28 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/09/2009		07/09/2009		07/09/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
98-86-2	Acetophenone	E625	ug/kg	782000						
98-95-3	Nitrobenzene	E625	ug/kg	4790						
99-09-2	3-Nitroaniline	E625	ug/kg	NL						

				sys_loc_code:	C29		C3		C37		
				loc_name:	Area-08		Area-08		Area-08		
				sys_sample_code:	C29 0-12		C3 0-12		C37 0-12		
				depth:	0-12 in		0-12 in		0-12 in		
				sample_date:	07/27/2009		07/09/2009		07/09/2009		
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED							
7429-90-5	Aluminum	C200.7	mg/kg	7740							
7440-36-0	Antimony	C200.7	mg/kg	2							
7440-38-2	Arsenic	C200.7	mg/kg	0.389							
7440-39-3	Barium	C200.7	mg/kg	130.1							
7440-41-7	Beryllium	C200.7	mg/kg	15.6							
7440-43-9	Cadmium	C200.7	mg/kg	0.68							
7440-70-2	Calcium	C200.7	mg/kg	NL							
7440-47-3	Chromium	C200.7	mg/kg	52.3							
7440-48-4	Cobalt	C200.7	mg/kg	2.34							
7440-50-8	Copper	C200.7	mg/kg	18.7							
7439-89-6	Iron	C200.7	mg/kg	2000							
7439-92-1	Lead	C200.7	mg/kg	30.2							
7439-95-4	Magnesium	C200.7	mg/kg	NL							
7439-96-5	Manganese	C200.7	mg/kg	183							
7440-02-0	Nickel	C200.7	mg/kg	15.9							
7440-09-7	Potassium	C200.7	mg/kg	NL							
7782-49-2	Selenium	C200.7	mg/kg	2							
7440-22-4	Silver	C200.7	mg/kg	0.73							
7440-23-5	Sodium	C200.7	mg/kg	NL							
7440-28-0	Thallium	C200.7	mg/kg	100000							
7440-31-5	Tin	C200.7	mg/kg	NL							
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548							
7440-66-6	Zinc	C200.7	mg/kg	124							
7429-90-5	Aluminum	E200.7	mg/kg	7740			2760	J	7420	J	
7439-89-6	Iron	E200.7	mg/kg	2000			16800	J	25500	J	
7439-92-1	Lead	E200.7	mg/kg	30.2			904		518	J	
7439-95-4	Magnesium	E200.7	mg/kg	NL			1770	J	4420	J	
7439-96-5	Manganese	E200.7	mg/kg	183			129	J	228	J	
7440-09-7	Potassium	E200.7	mg/kg	NL			316	J	1670	J	
7440-23-5	Sodium	E200.7	mg/kg	NL			624	J	7760	J	
7440-36-0	Antimony	E200.7	mg/kg	2			21.8	J			
7440-38-2	Arsenic	E200.7	mg/kg	0.389			17.2		22.8	J	
7440-50-8	Copper	E200.7	mg/kg	18.7			350	J	143	J	

				sys_loc_code:	C29		C3		C37		
				loc_name:	Area-08		Area-08		Area-08		
				sys_sample_code:	C29 0-12		C3 0-12		C37 0-12		
				depth:	0-12 in		0-12 in		0-12 in		
				sample_date:	07/27/2009		07/09/2009		07/09/2009		
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED							
7440-66-6	Zinc	E200.7	mg/kg	124			175	J	309	J	
7440-70-2	Calcium	E200.7	mg/kg	NL			5800	J	2860	J	
7440-36-0	Antimony	E200.8	mg/kg	2	1.2	U			12.9	J	
7440-38-2	Arsenic	E200.8	mg/kg	0.389	6.3	J					
7440-39-3	Barium	E200.8	mg/kg	130.1	4.1	J	49.3		39.6	J	
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.29	U	0.34		0.87	J	
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.42		0.52		2.4	J	
7440-47-3	Chromium	E200.8	mg/kg	52.3	14.9		41.9		46	J	
7440-48-4	Cobalt	E200.8	mg/kg	2.34	1.6		2.8		7	J	
7440-50-8	Copper	E200.8	mg/kg	18.7	32.2	J					
7439-92-1	Lead	E200.8	mg/kg	30.2	36	J					
7439-96-5	Manganese	E200.8	mg/kg	183	23.7						
7440-02-0	Nickel	E200.8	mg/kg	15.9	4.9	J	18.8		22.9	J	
7782-49-2	Selenium	E200.8	mg/kg	2	0.51	J	0.31	J	1.3	J	
7440-22-4	Silver	E200.8	mg/kg	0.73	0.44	J	0.29	UJ	2.6	J	
7440-28-0	Thallium	E200.8	mg/kg	100000	0.58	U	0.58	U	0.96	UJ	
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	16		23.6		37.4	J	
7440-66-6	Zinc	E200.8	mg/kg	124	73.1	J					
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.18		0.055		1.4	J	
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6							
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357							
309-00-2	Aldrin	CPEST	ug/kg	2							
319-84-6	Alpha-Bhc	CPEST	ug/kg	3							
319-85-7	Beta-Bhc	CPEST	ug/kg	3							
319-86-8	Delta-Bhc	CPEST	ug/kg	3							
33213-65-9	Endosulfan II	CPEST	ug/kg	14							
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19							
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7							
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7							
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL							
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32							
60-57-1	Dieldrin	CPEST	ug/kg	0.72							
72-20-8	Endrin	CPEST	ug/kg	2.67							

				sys_loc_code:	C29		C3		C37	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	C29 0-12		C3 0-12		C37 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/27/2009		07/09/2009		07/09/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
72-43-5	Methoxychlor	CPEST	ug/kg	29.6						
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22						
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07						
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL						
76-44-8	Heptachlor	CPEST	ug/kg	68						
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1						
959-98-8	Endosulfan I	CPEST	ug/kg	2.9						
11096-82-5	Aroclor 1260	E608	ug/kg	21.6						
11097-69-1	Aroclor 1254	E608	ug/kg	23						
11100-14-4	Aroclor 1268	E608	ug/kg	21.6						
11104-28-2	Aroclor 1221	E608	ug/kg	21.6						
11141-16-5	Aroclor 1232	E608	ug/kg	21.6						
12672-29-6	Aroclor 1248	E608	ug/kg	21.6						
12674-11-2	Aroclor 1016	E608	ug/kg	21.6						
37324-23-5	Aroclor 1262	E608	ug/kg	21.6						
53469-21-9	Aroclor 1242	E608	ug/kg	21.6						
100-41-4	Ethylbenzene	E624	ug/kg	305						
100-42-5	Styrene	E624	ug/kg	7070						
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL						
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL						
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460						
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7						
107-06-2	1,2-Dichloroethane	E624	ug/kg	432						
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000						
108-87-2	Methylcyclohexane	E624	ug/kg	NL						
108-88-3	Toluene	E624	ug/kg	1090						
108-90-7	Chlorobenzene	E624	ug/kg	162						
110-82-7	Cyclohexane	E624	ug/kg	117000						
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473						
123-91-1	1,4-Dioxane	E624	ug/kg	44100						
124-48-1	Dibromochloromethane	E624	ug/kg	680						
127-18-4	Tetrachloroethene	E624	ug/kg	190						
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200						

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				sys_loc_code:	C29		C3		C37	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	C29 0-12		C3 0-12		C37 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/27/2009		07/09/2009		07/09/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300						
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300						
179601-23-1	m,p-Xylene	E624	ug/kg	NL						
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842						
56-23-5	Carbon tetrachloride	E624	ug/kg	248						
591-78-6	2-Hexanone	E624	ug/kg	20900						
67-64-1	Acetone	E624	ug/kg	6130000						
67-66-3	Chloroform	E624	ug/kg	295						
71-43-2	Benzene	E624	ug/kg	137						
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856						
74-83-9	Bromomethane	E624	ug/kg	732						
74-87-3	Chloromethane	E624	ug/kg	11900						
74-97-5	Bromochloromethane	E624	ug/kg	NL						
75-00-3	Chloroethane	E624	ug/kg	1450000						
75-01-4	Vinyl Chloride	E624	ug/kg	59.7						
75-09-2	Methylene chloride	E624	ug/kg	10700						
75-15-0	Carbon Disulfide	E624	ug/kg	0.851						
75-25-2	Bromoform	E624	ug/kg	1310						
75-27-4	Bromodichloromethane	E624	ug/kg	273						
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310						
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780						
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700						
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400						
76-13-1	1,1,2-Trichloro-1,2,2-triflud	E624	ug/kg	910000						
78-87-5	1,2-Dichloropropane	E624	ug/kg	895						
78-93-3	2-Butanone	E624	ug/kg	2780000						
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570						
79-01-6	Trichloroethene	E624	ug/kg	1600						
79-20-9	Methyl Acetate	E624	ug/kg	7820000						
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202						
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858						
95-47-6	o-Xylene	E624	ug/kg	NL						
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989						

				sys_loc_code:	C29		C3		C37	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	C29 0-12		C3 0-12		C37 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/27/2009		07/09/2009		07/09/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
96-12-8	1,2-Dibromo-3-chloroprop	E624	ug/kg	5.35						
98-82-8	Isopropylbenzene	E624	ug/kg	86						
100-01-6	4-Nitroaniline	E625	ug/kg	24300						
100-02-7	4-Nitrophenol	E625	ug/kg	NL						
100-52-7	Benzaldehyde	E625	ug/kg	782000						
101-55-3	4-Bromophenyl Phenyl Eth	E625	ug/kg	1230						
105-60-2	Caprolactam	E625	ug/kg	3060000						
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29						
106-44-5	4-Methylphenol	E625	ug/kg	670						
106-47-8	4-Chloroaniline	E625	ug/kg	2430						
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570						
108-95-2	Phenol	E625	ug/kg	420						
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214						
111-91-1	Bis(2-Chloroethoxy) metha	E625	ug/kg	18300						
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182						
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL						
118-74-1	Hexachlorobenzene	E625	ug/kg	20						
120-12-7	Anthracene	E625	ug/kg	46.9						
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117						
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6						
129-00-0	Pyrene	E625	ug/kg	153						
131-11-3	Dimethylphthalate	E625	ug/kg	NL						
132-64-9	Dibenzofuran	E625	ug/kg	7300						
1912-24-9	Atrazine	E625	ug/kg	6.62						
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170						
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17						
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148						
206-44-0	Fluoranthene	E625	ug/kg	113						
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240						
208-96-8	Acenaphthylene	E625	ug/kg	5.87						
218-01-9	Chrysene	E625	ug/kg	108						
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8						
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200						

				sys_loc_code:	C29		C3		C37	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	C29 0-12		C3 0-12		C37 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/27/2009		07/09/2009		07/09/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
534-52-1	4,6-Dinitro-2-Methylpheno	E625	ug/kg	611						
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22						
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8						
58-90-2	Chlorophenols	E625	ug/kg	284						
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000						
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120						
621-64-7	N-Nitroso-Di-N-Propylamir	E625	ug/kg	69.4						
67-72-1	Hexachloroethane	E625	ug/kg	804						
7005-72-3	4-Chlorophenyl Phenyleth	E625	ug/kg	NL						
77-47-4	Hexachlorocyclopentadier	E625	ug/kg	139						
78-59-1	Isophorone	E625	ug/kg	511000						
83-32-9	Acenaphthene	E625	ug/kg	6.71						
84-66-2	Diethylphthalate	E625	ug/kg	218						
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160						
85-01-8	Phenanthrene	E625	ug/kg	86.7						
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800						
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100						
86-73-7	Fluorene	E625	ug/kg	19						
86-74-8	Carbazole	E625	ug/kg	NL						
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110						
87-86-5	Pentachlorophenol	E625	ug/kg	2970						
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650						
88-74-4	2-Nitroaniline	E625	ug/kg	60600						
88-75-5	2-Nitrophenol	E625	ug/kg	NL						
91-20-3	Naphthalene	E625	ug/kg	34.6						
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2						
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000						
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080						
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220						
95-48-7	2-Methylphenol	E625	ug/kg	306000						
95-57-8	2-Chlorophenol	E625	ug/kg	344						
95-94-3	1,2,4,5-Tetrachlorobenzer	E625	ug/kg	1830						
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819						

				sys_loc_code:	C29		C3		C37	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	C29 0-12		C3 0-12		C37 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/27/2009		07/09/2009		07/09/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
98-86-2	Acetophenone	E625	ug/kg	782000						
98-95-3	Nitrobenzene	E625	ug/kg	4790						
99-09-2	3-Nitroaniline	E625	ug/kg	NL						

				sys_loc_code:	C38		C38		C39		
				loc_name:	Area-08		Area-08		Area-08		
				sys_sample_code:	C38 0-12		Z38 0-12		C39 0-12		
				depth:	0-12 in		0-12 in		0-12 in		
				sample_date:	07/09/2009		07/09/2009		07/09/2009		
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED							
7429-90-5	Aluminum	C200.7	mg/kg	7740							
7440-36-0	Antimony	C200.7	mg/kg	2							
7440-38-2	Arsenic	C200.7	mg/kg	0.389							
7440-39-3	Barium	C200.7	mg/kg	130.1							
7440-41-7	Beryllium	C200.7	mg/kg	15.6							
7440-43-9	Cadmium	C200.7	mg/kg	0.68							
7440-70-2	Calcium	C200.7	mg/kg	NL							
7440-47-3	Chromium	C200.7	mg/kg	52.3							
7440-48-4	Cobalt	C200.7	mg/kg	2.34							
7440-50-8	Copper	C200.7	mg/kg	18.7							
7439-89-6	Iron	C200.7	mg/kg	2000							
7439-92-1	Lead	C200.7	mg/kg	30.2							
7439-95-4	Magnesium	C200.7	mg/kg	NL							
7439-96-5	Manganese	C200.7	mg/kg	183							
7440-02-0	Nickel	C200.7	mg/kg	15.9							
7440-09-7	Potassium	C200.7	mg/kg	NL							
7782-49-2	Selenium	C200.7	mg/kg	2							
7440-22-4	Silver	C200.7	mg/kg	0.73							
7440-23-5	Sodium	C200.7	mg/kg	NL							
7440-28-0	Thallium	C200.7	mg/kg	100000							
7440-31-5	Tin	C200.7	mg/kg	NL							
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548							
7440-66-6	Zinc	C200.7	mg/kg	124							
7429-90-5	Aluminum	E200.7	mg/kg	7740	10000	J	7270	J	2300		
7439-89-6	Iron	E200.7	mg/kg	2000	30400	J	22900	J	12300	J	
7439-92-1	Lead	E200.7	mg/kg	30.2	460	J	439	J	47.6		
7439-95-4	Magnesium	E200.7	mg/kg	NL	4930	J	3640	J	807		
7439-96-5	Manganese	E200.7	mg/kg	183	238	J	187	J	31.9	J	
7440-09-7	Potassium	E200.7	mg/kg	NL	2030	J	1530	J	352	J	
7440-23-5	Sodium	E200.7	mg/kg	NL	8100	J	6690	J	1210		
7440-36-0	Antimony	E200.7	mg/kg	2							
7440-38-2	Arsenic	E200.7	mg/kg	0.389	26.8	J	20.6	J	8		
7440-50-8	Copper	E200.7	mg/kg	18.7	164	J	113	J	47.9		

				sys_loc_code:	C38		C38		C39	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	C38 0-12		Z38 0-12		C39 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/09/2009		07/09/2009		07/09/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
7440-66-6	Zinc	E200.7	mg/kg	124	391	J	286	J	73.4	
7440-70-2	Calcium	E200.7	mg/kg	NL	4080	R	23000	J	1100	J
7440-36-0	Antimony	E200.8	mg/kg	2	4.9	J	7.8	J	1.2	UJ
7440-38-2	Arsenic	E200.8	mg/kg	0.389						
7440-39-3	Barium	E200.8	mg/kg	130.1	44.1	J	34.1	J	7.5	
7440-41-7	Beryllium	E200.8	mg/kg	15.6	1	J	0.8	J	0.29	U
7440-43-9	Cadmium	E200.8	mg/kg	0.68	2.9	J	2.4	J	0.63	
7440-47-3	Chromium	E200.8	mg/kg	52.3	62.5	J	45.4	J	15.8	
7440-48-4	Cobalt	E200.8	mg/kg	2.34	7.9	J	6.3	J	1.7	J
7440-50-8	Copper	E200.8	mg/kg	18.7						
7439-92-1	Lead	E200.8	mg/kg	30.2						
7439-96-5	Manganese	E200.8	mg/kg	183						
7440-02-0	Nickel	E200.8	mg/kg	15.9	26.3	J	19.5	J	6.5	
7782-49-2	Selenium	E200.8	mg/kg	2	1.9	J	1.5	J	0.72	J
7440-22-4	Silver	E200.8	mg/kg	0.73	4	J	2.8	J	0.72	J
7440-28-0	Thallium	E200.8	mg/kg	100000	1.1	UJ	0.82	UJ	0.59	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	45	J	35.7	J	16.9	
7440-66-6	Zinc	E200.8	mg/kg	124						
7439-97-6	Mercury	E245.5	mg/kg	0.13	1.5	J	0.94	J	0.34	
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6						
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357						
309-00-2	Aldrin	CPEST	ug/kg	2						
319-84-6	Alpha-Bhc	CPEST	ug/kg	3						
319-85-7	Beta-Bhc	CPEST	ug/kg	3						
319-86-8	Delta-Bhc	CPEST	ug/kg	3						
33213-65-9	Endosulfan II	CPEST	ug/kg	14						
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19						
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7						
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7						
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL						
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32						
60-57-1	Dieldrin	CPEST	ug/kg	0.72						
72-20-8	Endrin	CPEST	ug/kg	2.67						

				sys_loc_code:	C38		C38		C39	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	C38 0-12		Z38 0-12		C39 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/09/2009		07/09/2009		07/09/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
72-43-5	Methoxychlor	CPEST	ug/kg	29.6						
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22						
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07						
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL						
76-44-8	Heptachlor	CPEST	ug/kg	68						
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1						
959-98-8	Endosulfan I	CPEST	ug/kg	2.9						
11096-82-5	Aroclor 1260	E608	ug/kg	21.6						
11097-69-1	Aroclor 1254	E608	ug/kg	23						
11100-14-4	Aroclor 1268	E608	ug/kg	21.6						
11104-28-2	Aroclor 1221	E608	ug/kg	21.6						
11141-16-5	Aroclor 1232	E608	ug/kg	21.6						
12672-29-6	Aroclor 1248	E608	ug/kg	21.6						
12674-11-2	Aroclor 1016	E608	ug/kg	21.6						
37324-23-5	Aroclor 1262	E608	ug/kg	21.6						
53469-21-9	Aroclor 1242	E608	ug/kg	21.6						
100-41-4	Ethylbenzene	E624	ug/kg	305						
100-42-5	Styrene	E624	ug/kg	7070						
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL						
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL						
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460						
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7						
107-06-2	1,2-Dichloroethane	E624	ug/kg	432						
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000						
108-87-2	Methylcyclohexane	E624	ug/kg	NL						
108-88-3	Toluene	E624	ug/kg	1090						
108-90-7	Chlorobenzene	E624	ug/kg	162						
110-82-7	Cyclohexane	E624	ug/kg	117000						
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473						
123-91-1	1,4-Dioxane	E624	ug/kg	44100						
124-48-1	Dibromochloromethane	E624	ug/kg	680						
127-18-4	Tetrachloroethene	E624	ug/kg	190						
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200						

				sys_loc_code:	C38		C38		C39	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	C38 0-12		Z38 0-12		C39 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/09/2009		07/09/2009		07/09/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300						
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300						
179601-23-1	m,p-Xylene	E624	ug/kg	NL						
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842						
56-23-5	Carbon tetrachloride	E624	ug/kg	248						
591-78-6	2-Hexanone	E624	ug/kg	20900						
67-64-1	Acetone	E624	ug/kg	6130000						
67-66-3	Chloroform	E624	ug/kg	295						
71-43-2	Benzene	E624	ug/kg	137						
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856						
74-83-9	Bromomethane	E624	ug/kg	732						
74-87-3	Chloromethane	E624	ug/kg	11900						
74-97-5	Bromochloromethane	E624	ug/kg	NL						
75-00-3	Chloroethane	E624	ug/kg	1450000						
75-01-4	Vinyl Chloride	E624	ug/kg	59.7						
75-09-2	Methylene chloride	E624	ug/kg	10700						
75-15-0	Carbon Disulfide	E624	ug/kg	0.851						
75-25-2	Bromoform	E624	ug/kg	1310						
75-27-4	Bromodichloromethane	E624	ug/kg	273						
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310						
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780						
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700						
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400						
76-13-1	1,1,2-Trichloro-1,2,2-triflud	E624	ug/kg	910000						
78-87-5	1,2-Dichloropropane	E624	ug/kg	895						
78-93-3	2-Butanone	E624	ug/kg	2780000						
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570						
79-01-6	Trichloroethene	E624	ug/kg	1600						
79-20-9	Methyl Acetate	E624	ug/kg	7820000						
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202						
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858						
95-47-6	o-Xylene	E624	ug/kg	NL						
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989						

				sys_loc_code:	C38		C38		C39	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	C38 0-12		Z38 0-12		C39 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/09/2009		07/09/2009		07/09/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
96-12-8	1,2-Dibromo-3-chloroprop	E624	ug/kg	5.35						
98-82-8	Isopropylbenzene	E624	ug/kg	86						
100-01-6	4-Nitroaniline	E625	ug/kg	24300						
100-02-7	4-Nitrophenol	E625	ug/kg	NL						
100-52-7	Benzaldehyde	E625	ug/kg	782000						
101-55-3	4-Bromophenyl Phenyl Eth	E625	ug/kg	1230						
105-60-2	Caprolactam	E625	ug/kg	3060000						
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29						
106-44-5	4-Methylphenol	E625	ug/kg	670						
106-47-8	4-Chloroaniline	E625	ug/kg	2430						
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570						
108-95-2	Phenol	E625	ug/kg	420						
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214						
111-91-1	Bis(2-Chloroethoxy) metha	E625	ug/kg	18300						
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182						
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL						
118-74-1	Hexachlorobenzene	E625	ug/kg	20						
120-12-7	Anthracene	E625	ug/kg	46.9						
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117						
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6						
129-00-0	Pyrene	E625	ug/kg	153						
131-11-3	Dimethylphthalate	E625	ug/kg	NL						
132-64-9	Dibenzofuran	E625	ug/kg	7300						
1912-24-9	Atrazine	E625	ug/kg	6.62						
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170						
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17						
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148						
206-44-0	Fluoranthene	E625	ug/kg	113						
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240						
208-96-8	Acenaphthylene	E625	ug/kg	5.87						
218-01-9	Chrysene	E625	ug/kg	108						
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8						
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200						

				sys_loc_code:	C38		C38		C39	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	C38 0-12		Z38 0-12		C39 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/09/2009		07/09/2009		07/09/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
534-52-1	4,6-Dinitro-2-Methylpheno	E625	ug/kg	611						
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22						
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8						
58-90-2	Chlorophenols	E625	ug/kg	284						
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000						
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120						
621-64-7	N-Nitroso-Di-N-Propylamir	E625	ug/kg	69.4						
67-72-1	Hexachloroethane	E625	ug/kg	804						
7005-72-3	4-Chlorophenyl Phenyleth	E625	ug/kg	NL						
77-47-4	Hexachlorocyclopentadier	E625	ug/kg	139						
78-59-1	Isophorone	E625	ug/kg	511000						
83-32-9	Acenaphthene	E625	ug/kg	6.71						
84-66-2	Diethylphthalate	E625	ug/kg	218						
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160						
85-01-8	Phenanthrene	E625	ug/kg	86.7						
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800						
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100						
86-73-7	Fluorene	E625	ug/kg	19						
86-74-8	Carbazole	E625	ug/kg	NL						
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110						
87-86-5	Pentachlorophenol	E625	ug/kg	2970						
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650						
88-74-4	2-Nitroaniline	E625	ug/kg	60600						
88-75-5	2-Nitrophenol	E625	ug/kg	NL						
91-20-3	Naphthalene	E625	ug/kg	34.6						
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2						
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000						
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080						
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220						
95-48-7	2-Methylphenol	E625	ug/kg	306000						
95-57-8	2-Chlorophenol	E625	ug/kg	344						
95-94-3	1,2,4,5-Tetrachlorobenzer	E625	ug/kg	1830						
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819						

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				sys_loc_code:	C38		C38		C39	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	C38 0-12		Z38 0-12		C39 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/09/2009		07/09/2009		07/09/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
98-86-2	Acetophenone	E625	ug/kg	782000						
98-95-3	Nitrobenzene	E625	ug/kg	4790						
99-09-2	3-Nitroaniline	E625	ug/kg	NL						

				sys_loc_code:	C40		C41		C42		
				loc_name:	Area-08		Area-08		Area-08		
				sys_sample_code:	C40 0-12		C41 0-12		C42 0-12		
				depth:	0-12 in		0-12 in		0-12 in		
				sample_date:	07/09/2009		07/23/2009		07/13/2009		
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED							
7429-90-5	Aluminum	C200.7	mg/kg	7740							
7440-36-0	Antimony	C200.7	mg/kg	2							
7440-38-2	Arsenic	C200.7	mg/kg	0.389							
7440-39-3	Barium	C200.7	mg/kg	130.1							
7440-41-7	Beryllium	C200.7	mg/kg	15.6							
7440-43-9	Cadmium	C200.7	mg/kg	0.68							
7440-70-2	Calcium	C200.7	mg/kg	NL							
7440-47-3	Chromium	C200.7	mg/kg	52.3							
7440-48-4	Cobalt	C200.7	mg/kg	2.34							
7440-50-8	Copper	C200.7	mg/kg	18.7							
7439-89-6	Iron	C200.7	mg/kg	2000							
7439-92-1	Lead	C200.7	mg/kg	30.2							
7439-95-4	Magnesium	C200.7	mg/kg	NL							
7439-96-5	Manganese	C200.7	mg/kg	183							
7440-02-0	Nickel	C200.7	mg/kg	15.9							
7440-09-7	Potassium	C200.7	mg/kg	NL							
7782-49-2	Selenium	C200.7	mg/kg	2							
7440-22-4	Silver	C200.7	mg/kg	0.73							
7440-23-5	Sodium	C200.7	mg/kg	NL							
7440-28-0	Thallium	C200.7	mg/kg	100000							
7440-31-5	Tin	C200.7	mg/kg	NL							
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548							
7440-66-6	Zinc	C200.7	mg/kg	124							
7429-90-5	Aluminum	E200.7	mg/kg	7740	2320		2260		1210		
7439-89-6	Iron	E200.7	mg/kg	2000	15500	J	23100		12000	J	
7439-92-1	Lead	E200.7	mg/kg	30.2	38.3				15.7		
7439-95-4	Magnesium	E200.7	mg/kg	NL	1090		692		551	J	
7439-96-5	Manganese	E200.7	mg/kg	183	78.3	J			32.6	J	
7440-09-7	Potassium	E200.7	mg/kg	NL	371	J	575	U	238	J	
7440-23-5	Sodium	E200.7	mg/kg	NL	2000		1460		1710		
7440-36-0	Antimony	E200.7	mg/kg	2							
7440-38-2	Arsenic	E200.7	mg/kg	0.389	9.4				4.2	J	
7440-50-8	Copper	E200.7	mg/kg	18.7	28.8						

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Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 8 Sediment < 12

				sys_loc_code:	C40			C41		C42	
				loc_name:	Area-08			Area-08		Area-08	
				sys_sample_code:	C40 0-12			C41 0-12		C42 0-12	
				depth:	0-12 in			0-12 in		0-12 in	
				sample_date:	07/09/2009			07/23/2009		07/13/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED							
7440-66-6	Zinc	E200.7	mg/kg	124	102					55	J
7440-70-2	Calcium	E200.7	mg/kg	NL	14500	J		5170		763	J
7440-36-0	Antimony	E200.8	mg/kg	2	1.4	J		1.2	U	1.2	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389				12.2	J		
7440-39-3	Barium	E200.8	mg/kg	130.1	7.2			5.8	UJ	3.2	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.65			0.7		0.29	U
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.7			0.32		0.29	U
7440-47-3	Chromium	E200.8	mg/kg	52.3	17.4			45.2		10.6	
7440-48-4	Cobalt	E200.8	mg/kg	2.34	3.6	J		4.2		1.6	J
7440-50-8	Copper	E200.8	mg/kg	18.7				18.7		17.8	
7439-92-1	Lead	E200.8	mg/kg	30.2				21.9			
7439-96-5	Manganese	E200.8	mg/kg	183				88.4			
7440-02-0	Nickel	E200.8	mg/kg	15.9	13.2			8.8		3.4	
7782-49-2	Selenium	E200.8	mg/kg	2	0.51	J		0.69		0.31	J
7440-22-4	Silver	E200.8	mg/kg	0.73	0.49	J		0.29	U	0.29	UJ
7440-28-0	Thallium	E200.8	mg/kg	100000	0.55	U		0.58	U	0.59	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	33.6			48.4	J	15	
7440-66-6	Zinc	E200.8	mg/kg	124				81.2			
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.26			0.12		0.098	
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6							
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357							
309-00-2	Aldrin	CPEST	ug/kg	2							
319-84-6	Alpha-Bhc	CPEST	ug/kg	3							
319-85-7	Beta-Bhc	CPEST	ug/kg	3							
319-86-8	Delta-Bhc	CPEST	ug/kg	3							
33213-65-9	Endosulfan II	CPEST	ug/kg	14							
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19							
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7							
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7							
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL							
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32							
60-57-1	Dieldrin	CPEST	ug/kg	0.72							
72-20-8	Endrin	CPEST	ug/kg	2.67							

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				sys_loc_code:	C40		C41		C42	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	C40 0-12		C41 0-12		C42 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/09/2009		07/23/2009		07/13/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
72-43-5	Methoxychlor	CPEST	ug/kg	29.6						
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22						
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07						
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL						
76-44-8	Heptachlor	CPEST	ug/kg	68						
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1						
959-98-8	Endosulfan I	CPEST	ug/kg	2.9						
11096-82-5	Aroclor 1260	E608	ug/kg	21.6						
11097-69-1	Aroclor 1254	E608	ug/kg	23						
11100-14-4	Aroclor 1268	E608	ug/kg	21.6						
11104-28-2	Aroclor 1221	E608	ug/kg	21.6						
11141-16-5	Aroclor 1232	E608	ug/kg	21.6						
12672-29-6	Aroclor 1248	E608	ug/kg	21.6						
12674-11-2	Aroclor 1016	E608	ug/kg	21.6						
37324-23-5	Aroclor 1262	E608	ug/kg	21.6						
53469-21-9	Aroclor 1242	E608	ug/kg	21.6						
100-41-4	Ethylbenzene	E624	ug/kg	305						
100-42-5	Styrene	E624	ug/kg	7070						
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL						
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL						
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460						
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7						
107-06-2	1,2-Dichloroethane	E624	ug/kg	432						
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000						
108-87-2	Methylcyclohexane	E624	ug/kg	NL						
108-88-3	Toluene	E624	ug/kg	1090						
108-90-7	Chlorobenzene	E624	ug/kg	162						
110-82-7	Cyclohexane	E624	ug/kg	117000						
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473						
123-91-1	1,4-Dioxane	E624	ug/kg	44100						
124-48-1	Dibromochloromethane	E624	ug/kg	680						
127-18-4	Tetrachloroethene	E624	ug/kg	190						
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200						

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				sys_loc_code:	C40		C41		C42	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	C40 0-12		C41 0-12		C42 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/09/2009		07/23/2009		07/13/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300						
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300						
179601-23-1	m,p-Xylene	E624	ug/kg	NL						
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842						
56-23-5	Carbon tetrachloride	E624	ug/kg	248						
591-78-6	2-Hexanone	E624	ug/kg	20900						
67-64-1	Acetone	E624	ug/kg	6130000						
67-66-3	Chloroform	E624	ug/kg	295						
71-43-2	Benzene	E624	ug/kg	137						
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856						
74-83-9	Bromomethane	E624	ug/kg	732						
74-87-3	Chloromethane	E624	ug/kg	11900						
74-97-5	Bromochloromethane	E624	ug/kg	NL						
75-00-3	Chloroethane	E624	ug/kg	1450000						
75-01-4	Vinyl Chloride	E624	ug/kg	59.7						
75-09-2	Methylene chloride	E624	ug/kg	10700						
75-15-0	Carbon Disulfide	E624	ug/kg	0.851						
75-25-2	Bromoform	E624	ug/kg	1310						
75-27-4	Bromodichloromethane	E624	ug/kg	273						
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310						
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780						
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700						
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400						
76-13-1	1,1,2-Trichloro-1,2,2-triflud	E624	ug/kg	910000						
78-87-5	1,2-Dichloropropane	E624	ug/kg	895						
78-93-3	2-Butanone	E624	ug/kg	2780000						
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570						
79-01-6	Trichloroethene	E624	ug/kg	1600						
79-20-9	Methyl Acetate	E624	ug/kg	7820000						
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202						
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858						
95-47-6	o-Xylene	E624	ug/kg	NL						
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989						

				sys_loc_code:	C40		C41		C42	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	C40 0-12		C41 0-12		C42 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/09/2009		07/23/2009		07/13/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
96-12-8	1,2-Dibromo-3-chloroprop	E624	ug/kg	5.35						
98-82-8	Isopropylbenzene	E624	ug/kg	86						
100-01-6	4-Nitroaniline	E625	ug/kg	24300						
100-02-7	4-Nitrophenol	E625	ug/kg	NL						
100-52-7	Benzaldehyde	E625	ug/kg	782000						
101-55-3	4-Bromophenyl Phenyl Eth	E625	ug/kg	1230						
105-60-2	Caprolactam	E625	ug/kg	3060000						
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29						
106-44-5	4-Methylphenol	E625	ug/kg	670						
106-47-8	4-Chloroaniline	E625	ug/kg	2430						
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570						
108-95-2	Phenol	E625	ug/kg	420						
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214						
111-91-1	Bis(2-Chloroethoxy) metha	E625	ug/kg	18300						
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182						
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL						
118-74-1	Hexachlorobenzene	E625	ug/kg	20						
120-12-7	Anthracene	E625	ug/kg	46.9						
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117						
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6						
129-00-0	Pyrene	E625	ug/kg	153						
131-11-3	Dimethylphthalate	E625	ug/kg	NL						
132-64-9	Dibenzofuran	E625	ug/kg	7300						
1912-24-9	Atrazine	E625	ug/kg	6.62						
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170						
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17						
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148						
206-44-0	Fluoranthene	E625	ug/kg	113						
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240						
208-96-8	Acenaphthylene	E625	ug/kg	5.87						
218-01-9	Chrysene	E625	ug/kg	108						
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8						
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200						

				sys_loc_code:	C40		C41		C42	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	C40 0-12		C41 0-12		C42 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/09/2009		07/23/2009		07/13/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
534-52-1	4,6-Dinitro-2-Methylpheno	E625	ug/kg	611						
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22						
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8						
58-90-2	Chlorophenols	E625	ug/kg	284						
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000						
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120						
621-64-7	N-Nitroso-Di-N-Propylamir	E625	ug/kg	69.4						
67-72-1	Hexachloroethane	E625	ug/kg	804						
7005-72-3	4-Chlorophenyl Phenyleth	E625	ug/kg	NL						
77-47-4	Hexachlorocyclopentadier	E625	ug/kg	139						
78-59-1	Isophorone	E625	ug/kg	511000						
83-32-9	Acenaphthene	E625	ug/kg	6.71						
84-66-2	Diethylphthalate	E625	ug/kg	218						
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160						
85-01-8	Phenanthrene	E625	ug/kg	86.7						
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800						
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100						
86-73-7	Fluorene	E625	ug/kg	19						
86-74-8	Carbazole	E625	ug/kg	NL						
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110						
87-86-5	Pentachlorophenol	E625	ug/kg	2970						
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650						
88-74-4	2-Nitroaniline	E625	ug/kg	60600						
88-75-5	2-Nitrophenol	E625	ug/kg	NL						
91-20-3	Naphthalene	E625	ug/kg	34.6						
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2						
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000						
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080						
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220						
95-48-7	2-Methylphenol	E625	ug/kg	306000						
95-57-8	2-Chlorophenol	E625	ug/kg	344						
95-94-3	1,2,4,5-Tetrachlorobenzer	E625	ug/kg	1830						
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819						

				sys_loc_code:	C40		C41		C42	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	C40 0-12		C41 0-12		C42 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/09/2009		07/23/2009		07/13/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
98-86-2	Acetophenone	E625	ug/kg	782000						
98-95-3	Nitrobenzene	E625	ug/kg	4790						
99-09-2	3-Nitroaniline	E625	ug/kg	NL						

				sys_loc_code:	C48		C48		C49		
				loc_name:	Area-08		Area-08		Area-08		
				sys_sample_code:	C48 0-12		Z48 0-12		C49 0-12		
				depth:	0-12 in		0-12 in		0-12 in		
				sample_date:	07/13/2009		07/13/2009		07/13/2009		
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED							
7429-90-5	Aluminum	C200.7	mg/kg	7740							
7440-36-0	Antimony	C200.7	mg/kg	2							
7440-38-2	Arsenic	C200.7	mg/kg	0.389							
7440-39-3	Barium	C200.7	mg/kg	130.1							
7440-41-7	Beryllium	C200.7	mg/kg	15.6							
7440-43-9	Cadmium	C200.7	mg/kg	0.68							
7440-70-2	Calcium	C200.7	mg/kg	NL							
7440-47-3	Chromium	C200.7	mg/kg	52.3							
7440-48-4	Cobalt	C200.7	mg/kg	2.34							
7440-50-8	Copper	C200.7	mg/kg	18.7							
7439-89-6	Iron	C200.7	mg/kg	2000							
7439-92-1	Lead	C200.7	mg/kg	30.2							
7439-95-4	Magnesium	C200.7	mg/kg	NL							
7439-96-5	Manganese	C200.7	mg/kg	183							
7440-02-0	Nickel	C200.7	mg/kg	15.9							
7440-09-7	Potassium	C200.7	mg/kg	NL							
7782-49-2	Selenium	C200.7	mg/kg	2							
7440-22-4	Silver	C200.7	mg/kg	0.73							
7440-23-5	Sodium	C200.7	mg/kg	NL							
7440-28-0	Thallium	C200.7	mg/kg	100000							
7440-31-5	Tin	C200.7	mg/kg	NL							
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548							
7440-66-6	Zinc	C200.7	mg/kg	124							
7429-90-5	Aluminum	E200.7	mg/kg	7740	9150	J	12000	J	6270	J	
7439-89-6	Iron	E200.7	mg/kg	2000	31300	J	36700	J	23300	J	
7439-92-1	Lead	E200.7	mg/kg	30.2	451	J	506	J	391	J	
7439-95-4	Magnesium	E200.7	mg/kg	NL	5120	J	5880	J	3410		
7439-96-5	Manganese	E200.7	mg/kg	183	261	J	300	J	174	J	
7440-09-7	Potassium	E200.7	mg/kg	NL	2050	J	2490	J	1300		
7440-23-5	Sodium	E200.7	mg/kg	NL	9750	J	9400	J	5850	J	
7440-36-0	Antimony	E200.7	mg/kg	2							
7440-38-2	Arsenic	E200.7	mg/kg	0.389	28.4	J	32	J	22.8	J	
7440-50-8	Copper	E200.7	mg/kg	18.7	163	J			140		

				sys_loc_code:	C48		C48		C49		
				loc_name:	Area-08		Area-08		Area-08		
				sys_sample_code:	C48 0-12		Z48 0-12		C49 0-12		
				depth:	0-12 in		0-12 in		0-12 in		
				sample_date:	07/13/2009		07/13/2009		07/13/2009		
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED							
7440-66-6	Zinc	E200.7	mg/kg	124	337	J	392	J	306	J	
7440-70-2	Calcium	E200.7	mg/kg	NL	3730	R	4000	J	9150		
7440-36-0	Antimony	E200.8	mg/kg	2	15.3	J	17.2	J	7.7		
7440-38-2	Arsenic	E200.8	mg/kg	0.389							
7440-39-3	Barium	E200.8	mg/kg	130.1	41.7	J	44	J	21.4	J	
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.93	J	1	J	0.57		
7440-43-9	Cadmium	E200.8	mg/kg	0.68	2	J	2.1	J	1.5		
7440-47-3	Chromium	E200.8	mg/kg	52.3	53.7	J	56.2	J	29.8		
7440-48-4	Cobalt	E200.8	mg/kg	2.34	7.6	J	7.9	J	4.6	J	
7440-50-8	Copper	E200.8	mg/kg	18.7			166	J			
7439-92-1	Lead	E200.8	mg/kg	30.2							
7439-96-5	Manganese	E200.8	mg/kg	183							
7440-02-0	Nickel	E200.8	mg/kg	15.9	23	J	23.7	J	12.8	J	
7782-49-2	Selenium	E200.8	mg/kg	2	1.8	J	1.8	J	1.1		
7440-22-4	Silver	E200.8	mg/kg	0.73	2.7	J	3	J	1.5	J	
7440-28-0	Thallium	E200.8	mg/kg	100000	1.1	UJ	1.1	UJ	0.84	U	
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	43.4	J	45.7	J	27.5		
7440-66-6	Zinc	E200.8	mg/kg	124							
7439-97-6	Mercury	E245.5	mg/kg	0.13	1.5	J	1.2	J	1.5		
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6							
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357							
309-00-2	Aldrin	CPEST	ug/kg	2							
319-84-6	Alpha-Bhc	CPEST	ug/kg	3							
319-85-7	Beta-Bhc	CPEST	ug/kg	3							
319-86-8	Delta-Bhc	CPEST	ug/kg	3							
33213-65-9	Endosulfan II	CPEST	ug/kg	14							
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19							
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7							
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7							
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL							
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32							
60-57-1	Dieldrin	CPEST	ug/kg	0.72							
72-20-8	Endrin	CPEST	ug/kg	2.67							

				sys_loc_code:	C48		C48		C49	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	C48 0-12		Z48 0-12		C49 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/13/2009		07/13/2009		07/13/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
72-43-5	Methoxychlor	CPEST	ug/kg	29.6						
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22						
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07						
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL						
76-44-8	Heptachlor	CPEST	ug/kg	68						
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1						
959-98-8	Endosulfan I	CPEST	ug/kg	2.9						
11096-82-5	Aroclor 1260	E608	ug/kg	21.6						
11097-69-1	Aroclor 1254	E608	ug/kg	23						
11100-14-4	Aroclor 1268	E608	ug/kg	21.6						
11104-28-2	Aroclor 1221	E608	ug/kg	21.6						
11141-16-5	Aroclor 1232	E608	ug/kg	21.6						
12672-29-6	Aroclor 1248	E608	ug/kg	21.6						
12674-11-2	Aroclor 1016	E608	ug/kg	21.6						
37324-23-5	Aroclor 1262	E608	ug/kg	21.6						
53469-21-9	Aroclor 1242	E608	ug/kg	21.6						
100-41-4	Ethylbenzene	E624	ug/kg	305						
100-42-5	Styrene	E624	ug/kg	7070						
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL						
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL						
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460						
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7						
107-06-2	1,2-Dichloroethane	E624	ug/kg	432						
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000						
108-87-2	Methylcyclohexane	E624	ug/kg	NL						
108-88-3	Toluene	E624	ug/kg	1090						
108-90-7	Chlorobenzene	E624	ug/kg	162						
110-82-7	Cyclohexane	E624	ug/kg	117000						
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473						
123-91-1	1,4-Dioxane	E624	ug/kg	44100						
124-48-1	Dibromochloromethane	E624	ug/kg	680						
127-18-4	Tetrachloroethene	E624	ug/kg	190						
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200						

				sys_loc_code:	C48		C48		C49	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	C48 0-12		Z48 0-12		C49 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/13/2009		07/13/2009		07/13/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300						
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300						
179601-23-1	m,p-Xylene	E624	ug/kg	NL						
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842						
56-23-5	Carbon tetrachloride	E624	ug/kg	248						
591-78-6	2-Hexanone	E624	ug/kg	20900						
67-64-1	Acetone	E624	ug/kg	6130000						
67-66-3	Chloroform	E624	ug/kg	295						
71-43-2	Benzene	E624	ug/kg	137						
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856						
74-83-9	Bromomethane	E624	ug/kg	732						
74-87-3	Chloromethane	E624	ug/kg	11900						
74-97-5	Bromochloromethane	E624	ug/kg	NL						
75-00-3	Chloroethane	E624	ug/kg	1450000						
75-01-4	Vinyl Chloride	E624	ug/kg	59.7						
75-09-2	Methylene chloride	E624	ug/kg	10700						
75-15-0	Carbon Disulfide	E624	ug/kg	0.851						
75-25-2	Bromoform	E624	ug/kg	1310						
75-27-4	Bromodichloromethane	E624	ug/kg	273						
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310						
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780						
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700						
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400						
76-13-1	1,1,2-Trichloro-1,2,2-triflud	E624	ug/kg	910000						
78-87-5	1,2-Dichloropropane	E624	ug/kg	895						
78-93-3	2-Butanone	E624	ug/kg	2780000						
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570						
79-01-6	Trichloroethene	E624	ug/kg	1600						
79-20-9	Methyl Acetate	E624	ug/kg	7820000						
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202						
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858						
95-47-6	o-Xylene	E624	ug/kg	NL						
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989						

				sys_loc_code:	C48		C48		C49	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	C48 0-12		Z48 0-12		C49 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/13/2009		07/13/2009		07/13/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
96-12-8	1,2-Dibromo-3-chloroprop	E624	ug/kg	5.35						
98-82-8	Isopropylbenzene	E624	ug/kg	86						
100-01-6	4-Nitroaniline	E625	ug/kg	24300						
100-02-7	4-Nitrophenol	E625	ug/kg	NL						
100-52-7	Benzaldehyde	E625	ug/kg	782000						
101-55-3	4-Bromophenyl Phenyl Eth	E625	ug/kg	1230						
105-60-2	Caprolactam	E625	ug/kg	3060000						
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29						
106-44-5	4-Methylphenol	E625	ug/kg	670						
106-47-8	4-Chloroaniline	E625	ug/kg	2430						
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570						
108-95-2	Phenol	E625	ug/kg	420						
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214						
111-91-1	Bis(2-Chloroethoxy) metha	E625	ug/kg	18300						
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182						
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL						
118-74-1	Hexachlorobenzene	E625	ug/kg	20						
120-12-7	Anthracene	E625	ug/kg	46.9						
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117						
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6						
129-00-0	Pyrene	E625	ug/kg	153						
131-11-3	Dimethylphthalate	E625	ug/kg	NL						
132-64-9	Dibenzofuran	E625	ug/kg	7300						
1912-24-9	Atrazine	E625	ug/kg	6.62						
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170						
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17						
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148						
206-44-0	Fluoranthene	E625	ug/kg	113						
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240						
208-96-8	Acenaphthylene	E625	ug/kg	5.87						
218-01-9	Chrysene	E625	ug/kg	108						
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8						
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200						

				sys_loc_code:	C48		C48		C49	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	C48 0-12		Z48 0-12		C49 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/13/2009		07/13/2009		07/13/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
534-52-1	4,6-Dinitro-2-Methylpheno	E625	ug/kg	611						
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22						
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8						
58-90-2	Chlorophenols	E625	ug/kg	284						
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000						
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120						
621-64-7	N-Nitroso-Di-N-Propylamir	E625	ug/kg	69.4						
67-72-1	Hexachloroethane	E625	ug/kg	804						
7005-72-3	4-Chlorophenyl Phenyleth	E625	ug/kg	NL						
77-47-4	Hexachlorocyclopentadier	E625	ug/kg	139						
78-59-1	Isophorone	E625	ug/kg	511000						
83-32-9	Acenaphthene	E625	ug/kg	6.71						
84-66-2	Diethylphthalate	E625	ug/kg	218						
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160						
85-01-8	Phenanthrene	E625	ug/kg	86.7						
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800						
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100						
86-73-7	Fluorene	E625	ug/kg	19						
86-74-8	Carbazole	E625	ug/kg	NL						
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110						
87-86-5	Pentachlorophenol	E625	ug/kg	2970						
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650						
88-74-4	2-Nitroaniline	E625	ug/kg	60600						
88-75-5	2-Nitrophenol	E625	ug/kg	NL						
91-20-3	Naphthalene	E625	ug/kg	34.6						
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2						
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000						
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080						
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220						
95-48-7	2-Methylphenol	E625	ug/kg	306000						
95-57-8	2-Chlorophenol	E625	ug/kg	344						
95-94-3	1,2,4,5-Tetrachlorobenzer	E625	ug/kg	1830						
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819						

				sys_loc_code:	C48		C48		C49	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	C48 0-12		Z48 0-12		C49 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/13/2009		07/13/2009		07/13/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
98-86-2	Acetophenone	E625	ug/kg	782000						
98-95-3	Nitrobenzene	E625	ug/kg	4790						
99-09-2	3-Nitroaniline	E625	ug/kg	NL						

				sys_loc_code:	C50		C51		C52	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	C50 0-12		C51 0-12		C52 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/13/2009		07/27/2009		07/13/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
7429-90-5	Aluminum	C200.7	mg/kg	7740						
7440-36-0	Antimony	C200.7	mg/kg	2						
7440-38-2	Arsenic	C200.7	mg/kg	0.389						
7440-39-3	Barium	C200.7	mg/kg	130.1						
7440-41-7	Beryllium	C200.7	mg/kg	15.6						
7440-43-9	Cadmium	C200.7	mg/kg	0.68						
7440-70-2	Calcium	C200.7	mg/kg	NL						
7440-47-3	Chromium	C200.7	mg/kg	52.3						
7440-48-4	Cobalt	C200.7	mg/kg	2.34						
7440-50-8	Copper	C200.7	mg/kg	18.7						
7439-89-6	Iron	C200.7	mg/kg	2000						
7439-92-1	Lead	C200.7	mg/kg	30.2						
7439-95-4	Magnesium	C200.7	mg/kg	NL						
7439-96-5	Manganese	C200.7	mg/kg	183						
7440-02-0	Nickel	C200.7	mg/kg	15.9						
7440-09-7	Potassium	C200.7	mg/kg	NL						
7782-49-2	Selenium	C200.7	mg/kg	2						
7440-22-4	Silver	C200.7	mg/kg	0.73						
7440-23-5	Sodium	C200.7	mg/kg	NL						
7440-28-0	Thallium	C200.7	mg/kg	100000						
7440-31-5	Tin	C200.7	mg/kg	NL						
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548						
7440-66-6	Zinc	C200.7	mg/kg	124						
7429-90-5	Aluminum	E200.7	mg/kg	7740	2070	J			2340	
7439-89-6	Iron	E200.7	mg/kg	2000	22100	J			21700	J
7439-92-1	Lead	E200.7	mg/kg	30.2	25.2	J			12.8	
7439-95-4	Magnesium	E200.7	mg/kg	NL	812				716	
7439-96-5	Manganese	E200.7	mg/kg	183	55.8	J			54.6	J
7440-09-7	Potassium	E200.7	mg/kg	NL	284	J			309	J
7440-23-5	Sodium	E200.7	mg/kg	NL	1150	J			1790	
7440-36-0	Antimony	E200.7	mg/kg	2						
7440-38-2	Arsenic	E200.7	mg/kg	0.389	11.9	J			9	
7440-50-8	Copper	E200.7	mg/kg	18.7	14.3					

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Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 8 Sediment < 12

				sys_loc_code:	C50		C51		C52		
				loc_name:	Area-08		Area-08		Area-08		
				sys_sample_code:	C50 0-12		C51 0-12		C52 0-12		
				depth:	0-12 in		0-12 in		0-12 in		
				sample_date:	07/13/2009		07/27/2009		07/13/2009		
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED							
7440-66-6	Zinc	E200.7	mg/kg	124	58	J			51.3	J	
7440-70-2	Calcium	E200.7	mg/kg	NL	3240				2840	J	
7440-36-0	Antimony	E200.8	mg/kg	2	1.2	U	1.1	U	1.2	U	
7440-38-2	Arsenic	E200.8	mg/kg	0.389			10.8	J			
7440-39-3	Barium	E200.8	mg/kg	130.1	5.8	UJ	4.6	J	3.4	J	
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.31		0.32		0.31		
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.29	U	0.4		0.29	U	
7440-47-3	Chromium	E200.8	mg/kg	52.3	13.4		14.5		12.6		
7440-48-4	Cobalt	E200.8	mg/kg	2.34	1.8	J	2		1.8	J	
7440-50-8	Copper	E200.8	mg/kg	18.7			22.5	J	16.1		
7439-92-1	Lead	E200.8	mg/kg	30.2			26.5	J			
7439-96-5	Manganese	E200.8	mg/kg	183			47.5				
7440-02-0	Nickel	E200.8	mg/kg	15.9	5.4	J	7	J	5.4		
7782-49-2	Selenium	E200.8	mg/kg	2	0.49	J	0.96		0.56	J	
7440-22-4	Silver	E200.8	mg/kg	0.73	0.29	UJ	0.28	J	0.29	UJ	
7440-28-0	Thallium	E200.8	mg/kg	100000	0.58	U	0.55	U	0.58	U	
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	22.8		27		20.8	J	
7440-66-6	Zinc	E200.8	mg/kg	124			73.3	J			
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.079		0.15		0.08		
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6							
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357							
309-00-2	Aldrin	CPEST	ug/kg	2							
319-84-6	Alpha-Bhc	CPEST	ug/kg	3							
319-85-7	Beta-Bhc	CPEST	ug/kg	3							
319-86-8	Delta-Bhc	CPEST	ug/kg	3							
33213-65-9	Endosulfan II	CPEST	ug/kg	14							
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19							
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7							
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7							
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL							
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32							
60-57-1	Dieldrin	CPEST	ug/kg	0.72							
72-20-8	Endrin	CPEST	ug/kg	2.67							

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				sys_loc_code:	C50		C51		C52	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	C50 0-12		C51 0-12		C52 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/13/2009		07/27/2009		07/13/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
72-43-5	Methoxychlor	CPEST	ug/kg	29.6						
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22						
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07						
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL						
76-44-8	Heptachlor	CPEST	ug/kg	68						
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1						
959-98-8	Endosulfan I	CPEST	ug/kg	2.9						
11096-82-5	Aroclor 1260	E608	ug/kg	21.6						
11097-69-1	Aroclor 1254	E608	ug/kg	23						
11100-14-4	Aroclor 1268	E608	ug/kg	21.6						
11104-28-2	Aroclor 1221	E608	ug/kg	21.6						
11141-16-5	Aroclor 1232	E608	ug/kg	21.6						
12672-29-6	Aroclor 1248	E608	ug/kg	21.6						
12674-11-2	Aroclor 1016	E608	ug/kg	21.6						
37324-23-5	Aroclor 1262	E608	ug/kg	21.6						
53469-21-9	Aroclor 1242	E608	ug/kg	21.6						
100-41-4	Ethylbenzene	E624	ug/kg	305						
100-42-5	Styrene	E624	ug/kg	7070						
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL						
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL						
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460						
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7						
107-06-2	1,2-Dichloroethane	E624	ug/kg	432						
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000						
108-87-2	Methylcyclohexane	E624	ug/kg	NL						
108-88-3	Toluene	E624	ug/kg	1090						
108-90-7	Chlorobenzene	E624	ug/kg	162						
110-82-7	Cyclohexane	E624	ug/kg	117000						
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473						
123-91-1	1,4-Dioxane	E624	ug/kg	44100						
124-48-1	Dibromochloromethane	E624	ug/kg	680						
127-18-4	Tetrachloroethene	E624	ug/kg	190						
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200						

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				sys_loc_code:	C50		C51		C52	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	C50 0-12		C51 0-12		C52 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/13/2009		07/27/2009		07/13/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300						
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300						
179601-23-1	m,p-Xylene	E624	ug/kg	NL						
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842						
56-23-5	Carbon tetrachloride	E624	ug/kg	248						
591-78-6	2-Hexanone	E624	ug/kg	20900						
67-64-1	Acetone	E624	ug/kg	6130000						
67-66-3	Chloroform	E624	ug/kg	295						
71-43-2	Benzene	E624	ug/kg	137						
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856						
74-83-9	Bromomethane	E624	ug/kg	732						
74-87-3	Chloromethane	E624	ug/kg	11900						
74-97-5	Bromochloromethane	E624	ug/kg	NL						
75-00-3	Chloroethane	E624	ug/kg	1450000						
75-01-4	Vinyl Chloride	E624	ug/kg	59.7						
75-09-2	Methylene chloride	E624	ug/kg	10700						
75-15-0	Carbon Disulfide	E624	ug/kg	0.851						
75-25-2	Bromoform	E624	ug/kg	1310						
75-27-4	Bromodichloromethane	E624	ug/kg	273						
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310						
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780						
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700						
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400						
76-13-1	1,1,2-Trichloro-1,2,2-triflu	E624	ug/kg	910000						
78-87-5	1,2-Dichloropropane	E624	ug/kg	895						
78-93-3	2-Butanone	E624	ug/kg	2780000						
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570						
79-01-6	Trichloroethene	E624	ug/kg	1600						
79-20-9	Methyl Acetate	E624	ug/kg	7820000						
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202						
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858						
95-47-6	o-Xylene	E624	ug/kg	NL						
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989						

				sys_loc_code:	C50		C51		C52	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	C50 0-12		C51 0-12		C52 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/13/2009		07/27/2009		07/13/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
96-12-8	1,2-Dibromo-3-chloroprop	E624	ug/kg	5.35						
98-82-8	Isopropylbenzene	E624	ug/kg	86						
100-01-6	4-Nitroaniline	E625	ug/kg	24300						
100-02-7	4-Nitrophenol	E625	ug/kg	NL						
100-52-7	Benzaldehyde	E625	ug/kg	782000						
101-55-3	4-Bromophenyl Phenyl Eth	E625	ug/kg	1230						
105-60-2	Caprolactam	E625	ug/kg	3060000						
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29						
106-44-5	4-Methylphenol	E625	ug/kg	670						
106-47-8	4-Chloroaniline	E625	ug/kg	2430						
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570						
108-95-2	Phenol	E625	ug/kg	420						
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214						
111-91-1	Bis(2-Chloroethoxy) metha	E625	ug/kg	18300						
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182						
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL						
118-74-1	Hexachlorobenzene	E625	ug/kg	20						
120-12-7	Anthracene	E625	ug/kg	46.9						
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117						
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6						
129-00-0	Pyrene	E625	ug/kg	153						
131-11-3	Dimethylphthalate	E625	ug/kg	NL						
132-64-9	Dibenzofuran	E625	ug/kg	7300						
1912-24-9	Atrazine	E625	ug/kg	6.62						
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170						
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17						
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148						
206-44-0	Fluoranthene	E625	ug/kg	113						
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240						
208-96-8	Acenaphthylene	E625	ug/kg	5.87						
218-01-9	Chrysene	E625	ug/kg	108						
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8						
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200						

				sys_loc_code:	C50		C51		C52	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	C50 0-12		C51 0-12		C52 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/13/2009		07/27/2009		07/13/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
534-52-1	4,6-Dinitro-2-Methylpheno	E625	ug/kg	611						
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22						
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8						
58-90-2	Chlorophenols	E625	ug/kg	284						
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000						
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120						
621-64-7	N-Nitroso-Di-N-Propylamir	E625	ug/kg	69.4						
67-72-1	Hexachloroethane	E625	ug/kg	804						
7005-72-3	4-Chlorophenyl Phenyleth	E625	ug/kg	NL						
77-47-4	Hexachlorocyclopentadier	E625	ug/kg	139						
78-59-1	Isophorone	E625	ug/kg	511000						
83-32-9	Acenaphthene	E625	ug/kg	6.71						
84-66-2	Diethylphthalate	E625	ug/kg	218						
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160						
85-01-8	Phenanthrene	E625	ug/kg	86.7						
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800						
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100						
86-73-7	Fluorene	E625	ug/kg	19						
86-74-8	Carbazole	E625	ug/kg	NL						
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110						
87-86-5	Pentachlorophenol	E625	ug/kg	2970						
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650						
88-74-4	2-Nitroaniline	E625	ug/kg	60600						
88-75-5	2-Nitrophenol	E625	ug/kg	NL						
91-20-3	Naphthalene	E625	ug/kg	34.6						
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2						
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000						
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080						
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220						
95-48-7	2-Methylphenol	E625	ug/kg	306000						
95-57-8	2-Chlorophenol	E625	ug/kg	344						
95-94-3	1,2,4,5-Tetrachlorobenzer	E625	ug/kg	1830						
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819						

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				sys_loc_code:	C50		C51		C52	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	C50 0-12		C51 0-12		C52 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/13/2009		07/27/2009		07/13/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
98-86-2	Acetophenone	E625	ug/kg	782000						
98-95-3	Nitrobenzene	E625	ug/kg	4790						
99-09-2	3-Nitroaniline	E625	ug/kg	NL						

				sys_loc_code:	C52		C57		C58		
				loc_name:	Area-08		Area-08		Area-08		
				sys_sample_code:	Z52 0-12		C57 0-12		C58 0-12		
				depth:	0-12 in		0-12 in		0-12 in		
				sample_date:	07/13/2009		07/13/2009		07/13/2009		
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED							
7429-90-5	Aluminum	C200.7	mg/kg	7740							
7440-36-0	Antimony	C200.7	mg/kg	2							
7440-38-2	Arsenic	C200.7	mg/kg	0.389							
7440-39-3	Barium	C200.7	mg/kg	130.1							
7440-41-7	Beryllium	C200.7	mg/kg	15.6							
7440-43-9	Cadmium	C200.7	mg/kg	0.68							
7440-70-2	Calcium	C200.7	mg/kg	NL							
7440-47-3	Chromium	C200.7	mg/kg	52.3							
7440-48-4	Cobalt	C200.7	mg/kg	2.34							
7440-50-8	Copper	C200.7	mg/kg	18.7							
7439-89-6	Iron	C200.7	mg/kg	2000							
7439-92-1	Lead	C200.7	mg/kg	30.2							
7439-95-4	Magnesium	C200.7	mg/kg	NL							
7439-96-5	Manganese	C200.7	mg/kg	183							
7440-02-0	Nickel	C200.7	mg/kg	15.9							
7440-09-7	Potassium	C200.7	mg/kg	NL							
7782-49-2	Selenium	C200.7	mg/kg	2							
7440-22-4	Silver	C200.7	mg/kg	0.73							
7440-23-5	Sodium	C200.7	mg/kg	NL							
7440-28-0	Thallium	C200.7	mg/kg	100000							
7440-31-5	Tin	C200.7	mg/kg	NL							
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548							
7440-66-6	Zinc	C200.7	mg/kg	124							
7429-90-5	Aluminum	E200.7	mg/kg	7740	1870		9030	J	9350	J	
7439-89-6	Iron	E200.7	mg/kg	2000	22700	J	29700	J	33400	J	
7439-92-1	Lead	E200.7	mg/kg	30.2	15.7		644	J	341	J	
7439-95-4	Magnesium	E200.7	mg/kg	NL	651		5050	J	4950	J	
7439-96-5	Manganese	E200.7	mg/kg	183	48.5	J	243	J	255	J	
7440-09-7	Potassium	E200.7	mg/kg	NL	228	J	1950	J	1970	J	
7440-23-5	Sodium	E200.7	mg/kg	NL	1280		8800	J	9830	J	
7440-36-0	Antimony	E200.7	mg/kg	2							
7440-38-2	Arsenic	E200.7	mg/kg	0.389	10.9		26.7	J	30.2	J	
7440-50-8	Copper	E200.7	mg/kg	18.7			141	J	197	J	

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Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 8 Sediment < 12

					sys_loc_code:	C52		C57		C58	
					loc_name:	Area-08		Area-08		Area-08	
					sys_sample_code:	Z52 0-12		C57 0-12		C58 0-12	
					depth:	0-12 in		0-12 in		0-12 in	
					sample_date:	07/13/2009		07/13/2009		07/13/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED							
7440-66-6	Zinc	E200.7	mg/kg	124		56.6	J	292	J	335	J
7440-70-2	Calcium	E200.7	mg/kg	NL		794	J	3960	R	5680	J
7440-36-0	Antimony	E200.8	mg/kg	2		1.1	U	30.8	J	7.7	J
7440-38-2	Arsenic	E200.8	mg/kg	0.389							
7440-39-3	Barium	E200.8	mg/kg	130.1		5.6	UJ	41.5	J	50	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6		0.37		0.93	J	0.96	J
7440-43-9	Cadmium	E200.8	mg/kg	0.68		0.28	U	2.6	J	2	J
7440-47-3	Chromium	E200.8	mg/kg	52.3		15.9		53	J	68.1	J
7440-48-4	Cobalt	E200.8	mg/kg	2.34		2.1	J	7.4	J	7.2	J
7440-50-8	Copper	E200.8	mg/kg	18.7		17.8					
7439-92-1	Lead	E200.8	mg/kg	30.2							
7439-96-5	Manganese	E200.8	mg/kg	183							
7440-02-0	Nickel	E200.8	mg/kg	15.9		5.3		22.8	J	23.8	J
7782-49-2	Selenium	E200.8	mg/kg	2		0.64		1.6	J	1.9	J
7440-22-4	Silver	E200.8	mg/kg	0.73		0.28	UJ	3.3	J	3.4	J
7440-28-0	Thallium	E200.8	mg/kg	100000		0.56	U	1.1	UJ	1.1	UJ
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548		30.9	J	38.9	J	52	J
7440-66-6	Zinc	E200.8	mg/kg	124							
7439-97-6	Mercury	E245.5	mg/kg	0.13		0.073		1.4	J	1.7	J
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6							
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357							
309-00-2	Aldrin	CPEST	ug/kg	2							
319-84-6	Alpha-Bhc	CPEST	ug/kg	3							
319-85-7	Beta-Bhc	CPEST	ug/kg	3							
319-86-8	Delta-Bhc	CPEST	ug/kg	3							
33213-65-9	Endosulfan II	CPEST	ug/kg	14							
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19							
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7							
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7							
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL							
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32							
60-57-1	Dieldrin	CPEST	ug/kg	0.72							
72-20-8	Endrin	CPEST	ug/kg	2.67							

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				sys_loc_code:	C52		C57		C58	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	Z52 0-12		C57 0-12		C58 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/13/2009		07/13/2009		07/13/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
72-43-5	Methoxychlor	CPEST	ug/kg	29.6						
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22						
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07						
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL						
76-44-8	Heptachlor	CPEST	ug/kg	68						
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1						
959-98-8	Endosulfan I	CPEST	ug/kg	2.9						
11096-82-5	Aroclor 1260	E608	ug/kg	21.6						
11097-69-1	Aroclor 1254	E608	ug/kg	23						
11100-14-4	Aroclor 1268	E608	ug/kg	21.6						
11104-28-2	Aroclor 1221	E608	ug/kg	21.6						
11141-16-5	Aroclor 1232	E608	ug/kg	21.6						
12672-29-6	Aroclor 1248	E608	ug/kg	21.6						
12674-11-2	Aroclor 1016	E608	ug/kg	21.6						
37324-23-5	Aroclor 1262	E608	ug/kg	21.6						
53469-21-9	Aroclor 1242	E608	ug/kg	21.6						
100-41-4	Ethylbenzene	E624	ug/kg	305						
100-42-5	Styrene	E624	ug/kg	7070						
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL						
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL						
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460						
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7						
107-06-2	1,2-Dichloroethane	E624	ug/kg	432						
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000						
108-87-2	Methylcyclohexane	E624	ug/kg	NL						
108-88-3	Toluene	E624	ug/kg	1090						
108-90-7	Chlorobenzene	E624	ug/kg	162						
110-82-7	Cyclohexane	E624	ug/kg	117000						
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473						
123-91-1	1,4-Dioxane	E624	ug/kg	44100						
124-48-1	Dibromochloromethane	E624	ug/kg	680						
127-18-4	Tetrachloroethene	E624	ug/kg	190						
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200						

				sys_loc_code:	C52		C57		C58	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	Z52 0-12		C57 0-12		C58 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/13/2009		07/13/2009		07/13/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300						
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300						
179601-23-1	m,p-Xylene	E624	ug/kg	NL						
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842						
56-23-5	Carbon tetrachloride	E624	ug/kg	248						
591-78-6	2-Hexanone	E624	ug/kg	20900						
67-64-1	Acetone	E624	ug/kg	6130000						
67-66-3	Chloroform	E624	ug/kg	295						
71-43-2	Benzene	E624	ug/kg	137						
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856						
74-83-9	Bromomethane	E624	ug/kg	732						
74-87-3	Chloromethane	E624	ug/kg	11900						
74-97-5	Bromochloromethane	E624	ug/kg	NL						
75-00-3	Chloroethane	E624	ug/kg	1450000						
75-01-4	Vinyl Chloride	E624	ug/kg	59.7						
75-09-2	Methylene chloride	E624	ug/kg	10700						
75-15-0	Carbon Disulfide	E624	ug/kg	0.851						
75-25-2	Bromoform	E624	ug/kg	1310						
75-27-4	Bromodichloromethane	E624	ug/kg	273						
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310						
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780						
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700						
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400						
76-13-1	1,1,2-Trichloro-1,2,2-triflud	E624	ug/kg	910000						
78-87-5	1,2-Dichloropropane	E624	ug/kg	895						
78-93-3	2-Butanone	E624	ug/kg	2780000						
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570						
79-01-6	Trichloroethene	E624	ug/kg	1600						
79-20-9	Methyl Acetate	E624	ug/kg	7820000						
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202						
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858						
95-47-6	o-Xylene	E624	ug/kg	NL						
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989						

				sys_loc_code:	C52		C57		C58	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	Z52 0-12		C57 0-12		C58 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/13/2009		07/13/2009		07/13/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
96-12-8	1,2-Dibromo-3-chloroprop	E624	ug/kg	5.35						
98-82-8	Isopropylbenzene	E624	ug/kg	86						
100-01-6	4-Nitroaniline	E625	ug/kg	24300						
100-02-7	4-Nitrophenol	E625	ug/kg	NL						
100-52-7	Benzaldehyde	E625	ug/kg	782000						
101-55-3	4-Bromophenyl Phenyl Eth	E625	ug/kg	1230						
105-60-2	Caprolactam	E625	ug/kg	3060000						
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29						
106-44-5	4-Methylphenol	E625	ug/kg	670						
106-47-8	4-Chloroaniline	E625	ug/kg	2430						
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570						
108-95-2	Phenol	E625	ug/kg	420						
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214						
111-91-1	Bis(2-Chloroethoxy) metha	E625	ug/kg	18300						
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182						
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL						
118-74-1	Hexachlorobenzene	E625	ug/kg	20						
120-12-7	Anthracene	E625	ug/kg	46.9						
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117						
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6						
129-00-0	Pyrene	E625	ug/kg	153						
131-11-3	Dimethylphthalate	E625	ug/kg	NL						
132-64-9	Dibenzofuran	E625	ug/kg	7300						
1912-24-9	Atrazine	E625	ug/kg	6.62						
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170						
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17						
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148						
206-44-0	Fluoranthene	E625	ug/kg	113						
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240						
208-96-8	Acenaphthylene	E625	ug/kg	5.87						
218-01-9	Chrysene	E625	ug/kg	108						
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8						
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200						

				sys_loc_code:	C52		C57		C58	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	Z52 0-12		C57 0-12		C58 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/13/2009		07/13/2009		07/13/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
534-52-1	4,6-Dinitro-2-Methylpheno	E625	ug/kg	611						
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22						
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8						
58-90-2	Chlorophenols	E625	ug/kg	284						
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000						
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120						
621-64-7	N-Nitroso-Di-N-Propylamir	E625	ug/kg	69.4						
67-72-1	Hexachloroethane	E625	ug/kg	804						
7005-72-3	4-Chlorophenyl Phenyleth	E625	ug/kg	NL						
77-47-4	Hexachlorocyclopentadier	E625	ug/kg	139						
78-59-1	Isophorone	E625	ug/kg	511000						
83-32-9	Acenaphthene	E625	ug/kg	6.71						
84-66-2	Diethylphthalate	E625	ug/kg	218						
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160						
85-01-8	Phenanthrene	E625	ug/kg	86.7						
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800						
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100						
86-73-7	Fluorene	E625	ug/kg	19						
86-74-8	Carbazole	E625	ug/kg	NL						
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110						
87-86-5	Pentachlorophenol	E625	ug/kg	2970						
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650						
88-74-4	2-Nitroaniline	E625	ug/kg	60600						
88-75-5	2-Nitrophenol	E625	ug/kg	NL						
91-20-3	Naphthalene	E625	ug/kg	34.6						
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2						
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000						
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080						
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220						
95-48-7	2-Methylphenol	E625	ug/kg	306000						
95-57-8	2-Chlorophenol	E625	ug/kg	344						
95-94-3	1,2,4,5-Tetrachlorobenzer	E625	ug/kg	1830						
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819						

				sys_loc_code:	C52		C57		C58	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	Z52 0-12		C57 0-12		C58 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/13/2009		07/13/2009		07/13/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
98-86-2	Acetophenone	E625	ug/kg	782000						
98-95-3	Nitrobenzene	E625	ug/kg	4790						
99-09-2	3-Nitroaniline	E625	ug/kg	NL						

				sys_loc_code:	C59		C60		C61		
				loc_name:	Area-08		Area-08		Area-08		
				sys_sample_code:	C59 0-12		C60 0-12		C61 0-12		
				depth:	0-12 in		0-12 in		0-12 in		
				sample_date:	07/13/2009		07/10/2009		07/10/2009		
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED							
7429-90-5	Aluminum	C200.7	mg/kg	7740							
7440-36-0	Antimony	C200.7	mg/kg	2							
7440-38-2	Arsenic	C200.7	mg/kg	0.389							
7440-39-3	Barium	C200.7	mg/kg	130.1							
7440-41-7	Beryllium	C200.7	mg/kg	15.6							
7440-43-9	Cadmium	C200.7	mg/kg	0.68							
7440-70-2	Calcium	C200.7	mg/kg	NL							
7440-47-3	Chromium	C200.7	mg/kg	52.3							
7440-48-4	Cobalt	C200.7	mg/kg	2.34							
7440-50-8	Copper	C200.7	mg/kg	18.7							
7439-89-6	Iron	C200.7	mg/kg	2000							
7439-92-1	Lead	C200.7	mg/kg	30.2							
7439-95-4	Magnesium	C200.7	mg/kg	NL							
7439-96-5	Manganese	C200.7	mg/kg	183							
7440-02-0	Nickel	C200.7	mg/kg	15.9							
7440-09-7	Potassium	C200.7	mg/kg	NL							
7782-49-2	Selenium	C200.7	mg/kg	2							
7440-22-4	Silver	C200.7	mg/kg	0.73							
7440-23-5	Sodium	C200.7	mg/kg	NL							
7440-28-0	Thallium	C200.7	mg/kg	100000							
7440-31-5	Tin	C200.7	mg/kg	NL							
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548							
7440-66-6	Zinc	C200.7	mg/kg	124							
7429-90-5	Aluminum	E200.7	mg/kg	7740	1950	J	2730		1710		
7439-89-6	Iron	E200.7	mg/kg	2000	14500	J	18400	J	13600	J	
7439-92-1	Lead	E200.7	mg/kg	30.2	19.3	J					
7439-95-4	Magnesium	E200.7	mg/kg	NL	737		941	J	581	UJ	
7439-96-5	Manganese	E200.7	mg/kg	183	59.6	J					
7440-09-7	Potassium	E200.7	mg/kg	NL	289	J	454	J	269	J	
7440-23-5	Sodium	E200.7	mg/kg	NL	1030	J	1540		1060		
7440-36-0	Antimony	E200.7	mg/kg	2							
7440-38-2	Arsenic	E200.7	mg/kg	0.389	8.3	J					
7440-50-8	Copper	E200.7	mg/kg	18.7	11.5						

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				sys_loc_code:	C59		C60		C61		
				loc_name:	Area-08		Area-08		Area-08		
				sys_sample_code:	C59 0-12		C60 0-12		C61 0-12		
				depth:	0-12 in		0-12 in		0-12 in		
				sample_date:	07/13/2009		07/10/2009		07/10/2009		
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED							
7440-66-6	Zinc	E200.7	mg/kg	124	42.4	J					
7440-70-2	Calcium	E200.7	mg/kg	NL	1140	R	915		1130		
7440-36-0	Antimony	E200.8	mg/kg	2	1.2	U	1.2	U	1.2	U	
7440-38-2	Arsenic	E200.8	mg/kg	0.389			9.2	J	10.2	J	
7440-39-3	Barium	E200.8	mg/kg	130.1	3.4	J	3.9	J	2.9	J	
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.32		0.36		0.41		
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.16	J	0.35		0.31		
7440-47-3	Chromium	E200.8	mg/kg	52.3	18.2		16.8	J	14.7	J	
7440-48-4	Cobalt	E200.8	mg/kg	2.34	1.8	J	2.1		1.9		
7440-50-8	Copper	E200.8	mg/kg	18.7			19.5		16.3	J	
7439-92-1	Lead	E200.8	mg/kg	30.2			31.2	J	15.4	J	
7439-96-5	Manganese	E200.8	mg/kg	183			43.6	J	40.9	J	
7440-02-0	Nickel	E200.8	mg/kg	15.9	4.5	J	7.3		6.1		
7782-49-2	Selenium	E200.8	mg/kg	2	0.23	J	0.83		0.5	J	
7440-22-4	Silver	E200.8	mg/kg	0.73	0.29	UJ	0.3	U	0.29	U	
7440-28-0	Thallium	E200.8	mg/kg	100000	0.58	U	0.59	U	0.58	U	
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	22.9		24.1	J	24.2	J	
7440-66-6	Zinc	E200.8	mg/kg	124			66.9		61.6	J	
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.088		0.19		0.14		
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6							
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357							
309-00-2	Aldrin	CPEST	ug/kg	2							
319-84-6	Alpha-Bhc	CPEST	ug/kg	3							
319-85-7	Beta-Bhc	CPEST	ug/kg	3							
319-86-8	Delta-Bhc	CPEST	ug/kg	3							
33213-65-9	Endosulfan II	CPEST	ug/kg	14							
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19							
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7							
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7							
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL							
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32							
60-57-1	Dieldrin	CPEST	ug/kg	0.72							
72-20-8	Endrin	CPEST	ug/kg	2.67							

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				sys_loc_code:	C59		C60		C61	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	C59 0-12		C60 0-12		C61 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/13/2009		07/10/2009		07/10/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
72-43-5	Methoxychlor	CPEST	ug/kg	29.6						
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22						
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07						
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL						
76-44-8	Heptachlor	CPEST	ug/kg	68						
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1						
959-98-8	Endosulfan I	CPEST	ug/kg	2.9						
11096-82-5	Aroclor 1260	E608	ug/kg	21.6						
11097-69-1	Aroclor 1254	E608	ug/kg	23						
11100-14-4	Aroclor 1268	E608	ug/kg	21.6						
11104-28-2	Aroclor 1221	E608	ug/kg	21.6						
11141-16-5	Aroclor 1232	E608	ug/kg	21.6						
12672-29-6	Aroclor 1248	E608	ug/kg	21.6						
12674-11-2	Aroclor 1016	E608	ug/kg	21.6						
37324-23-5	Aroclor 1262	E608	ug/kg	21.6						
53469-21-9	Aroclor 1242	E608	ug/kg	21.6						
100-41-4	Ethylbenzene	E624	ug/kg	305						
100-42-5	Styrene	E624	ug/kg	7070						
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL						
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL						
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460						
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7						
107-06-2	1,2-Dichloroethane	E624	ug/kg	432						
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000						
108-87-2	Methylcyclohexane	E624	ug/kg	NL						
108-88-3	Toluene	E624	ug/kg	1090						
108-90-7	Chlorobenzene	E624	ug/kg	162						
110-82-7	Cyclohexane	E624	ug/kg	117000						
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473						
123-91-1	1,4-Dioxane	E624	ug/kg	44100						
124-48-1	Dibromochloromethane	E624	ug/kg	680						
127-18-4	Tetrachloroethene	E624	ug/kg	190						
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200						

				sys_loc_code:	C59		C60		C61	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	C59 0-12		C60 0-12		C61 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/13/2009		07/10/2009		07/10/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300						
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300						
179601-23-1	m,p-Xylene	E624	ug/kg	NL						
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842						
56-23-5	Carbon tetrachloride	E624	ug/kg	248						
591-78-6	2-Hexanone	E624	ug/kg	20900						
67-64-1	Acetone	E624	ug/kg	6130000						
67-66-3	Chloroform	E624	ug/kg	295						
71-43-2	Benzene	E624	ug/kg	137						
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856						
74-83-9	Bromomethane	E624	ug/kg	732						
74-87-3	Chloromethane	E624	ug/kg	11900						
74-97-5	Bromochloromethane	E624	ug/kg	NL						
75-00-3	Chloroethane	E624	ug/kg	1450000						
75-01-4	Vinyl Chloride	E624	ug/kg	59.7						
75-09-2	Methylene chloride	E624	ug/kg	10700						
75-15-0	Carbon Disulfide	E624	ug/kg	0.851						
75-25-2	Bromoform	E624	ug/kg	1310						
75-27-4	Bromodichloromethane	E624	ug/kg	273						
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310						
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780						
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700						
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400						
76-13-1	1,1,2-Trichloro-1,2,2-trifluo	E624	ug/kg	910000						
78-87-5	1,2-Dichloropropane	E624	ug/kg	895						
78-93-3	2-Butanone	E624	ug/kg	2780000						
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570						
79-01-6	Trichloroethene	E624	ug/kg	1600						
79-20-9	Methyl Acetate	E624	ug/kg	7820000						
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202						
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858						
95-47-6	o-Xylene	E624	ug/kg	NL						
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989						

				sys_loc_code:	C59		C60		C61	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	C59 0-12		C60 0-12		C61 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/13/2009		07/10/2009		07/10/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
96-12-8	1,2-Dibromo-3-chloroprop	E624	ug/kg	5.35						
98-82-8	Isopropylbenzene	E624	ug/kg	86						
100-01-6	4-Nitroaniline	E625	ug/kg	24300						
100-02-7	4-Nitrophenol	E625	ug/kg	NL						
100-52-7	Benzaldehyde	E625	ug/kg	782000						
101-55-3	4-Bromophenyl Phenyl Eth	E625	ug/kg	1230						
105-60-2	Caprolactam	E625	ug/kg	3060000						
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29						
106-44-5	4-Methylphenol	E625	ug/kg	670						
106-47-8	4-Chloroaniline	E625	ug/kg	2430						
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570						
108-95-2	Phenol	E625	ug/kg	420						
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214						
111-91-1	Bis(2-Chloroethoxy) metha	E625	ug/kg	18300						
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182						
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL						
118-74-1	Hexachlorobenzene	E625	ug/kg	20						
120-12-7	Anthracene	E625	ug/kg	46.9						
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117						
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6						
129-00-0	Pyrene	E625	ug/kg	153						
131-11-3	Dimethylphthalate	E625	ug/kg	NL						
132-64-9	Dibenzofuran	E625	ug/kg	7300						
1912-24-9	Atrazine	E625	ug/kg	6.62						
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170						
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17						
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148						
206-44-0	Fluoranthene	E625	ug/kg	113						
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240						
208-96-8	Acenaphthylene	E625	ug/kg	5.87						
218-01-9	Chrysene	E625	ug/kg	108						
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8						
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200						

				sys_loc_code:	C59		C60		C61	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	C59 0-12		C60 0-12		C61 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/13/2009		07/10/2009		07/10/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
534-52-1	4,6-Dinitro-2-Methylpheno	E625	ug/kg	611						
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22						
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8						
58-90-2	Chlorophenols	E625	ug/kg	284						
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000						
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120						
621-64-7	N-Nitroso-Di-N-Propylamir	E625	ug/kg	69.4						
67-72-1	Hexachloroethane	E625	ug/kg	804						
7005-72-3	4-Chlorophenyl Phenyleth	E625	ug/kg	NL						
77-47-4	Hexachlorocyclopentadier	E625	ug/kg	139						
78-59-1	Isophorone	E625	ug/kg	511000						
83-32-9	Acenaphthene	E625	ug/kg	6.71						
84-66-2	Diethylphthalate	E625	ug/kg	218						
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160						
85-01-8	Phenanthrene	E625	ug/kg	86.7						
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800						
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100						
86-73-7	Fluorene	E625	ug/kg	19						
86-74-8	Carbazole	E625	ug/kg	NL						
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110						
87-86-5	Pentachlorophenol	E625	ug/kg	2970						
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650						
88-74-4	2-Nitroaniline	E625	ug/kg	60600						
88-75-5	2-Nitrophenol	E625	ug/kg	NL						
91-20-3	Naphthalene	E625	ug/kg	34.6						
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2						
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000						
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080						
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220						
95-48-7	2-Methylphenol	E625	ug/kg	306000						
95-57-8	2-Chlorophenol	E625	ug/kg	344						
95-94-3	1,2,4,5-Tetrachlorobenzer	E625	ug/kg	1830						
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819						

				sys_loc_code:	C59		C60		C61	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	C59 0-12		C60 0-12		C61 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/13/2009		07/10/2009		07/10/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
98-86-2	Acetophenone	E625	ug/kg	782000						
98-95-3	Nitrobenzene	E625	ug/kg	4790						
99-09-2	3-Nitroaniline	E625	ug/kg	NL						

				sys_loc_code:	C61		C65		C66		
				loc_name:	Area-08		Area-08		Area-08		
				sys_sample_code:	Z61 0-12		C65 0-12		C66 0-12		
				depth:	0-12 in		0-12 in		0-12 in		
				sample_date:	07/10/2009		07/13/2009		07/13/2009		
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED							
7429-90-5	Aluminum	C200.7	mg/kg	7740							
7440-36-0	Antimony	C200.7	mg/kg	2							
7440-38-2	Arsenic	C200.7	mg/kg	0.389							
7440-39-3	Barium	C200.7	mg/kg	130.1							
7440-41-7	Beryllium	C200.7	mg/kg	15.6							
7440-43-9	Cadmium	C200.7	mg/kg	0.68							
7440-70-2	Calcium	C200.7	mg/kg	NL							
7440-47-3	Chromium	C200.7	mg/kg	52.3							
7440-48-4	Cobalt	C200.7	mg/kg	2.34							
7440-50-8	Copper	C200.7	mg/kg	18.7							
7439-89-6	Iron	C200.7	mg/kg	2000							
7439-92-1	Lead	C200.7	mg/kg	30.2							
7439-95-4	Magnesium	C200.7	mg/kg	NL							
7439-96-5	Manganese	C200.7	mg/kg	183							
7440-02-0	Nickel	C200.7	mg/kg	15.9							
7440-09-7	Potassium	C200.7	mg/kg	NL							
7782-49-2	Selenium	C200.7	mg/kg	2							
7440-22-4	Silver	C200.7	mg/kg	0.73							
7440-23-5	Sodium	C200.7	mg/kg	NL							
7440-28-0	Thallium	C200.7	mg/kg	100000							
7440-31-5	Tin	C200.7	mg/kg	NL							
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548							
7440-66-6	Zinc	C200.7	mg/kg	124							
7429-90-5	Aluminum	E200.7	mg/kg	7740	1580		7770	J	1550		
7439-89-6	Iron	E200.7	mg/kg	2000	11700	J	27400	J	16700		
7439-92-1	Lead	E200.7	mg/kg	30.2			676	J	20.8		
7439-95-4	Magnesium	E200.7	mg/kg	NL	6573	UJ	4390	J	554	J	
7439-96-5	Manganese	E200.7	mg/kg	183			224	J	45.1		
7440-09-7	Potassium	E200.7	mg/kg	NL	270	J	1770	J	222	J	
7440-23-5	Sodium	E200.7	mg/kg	NL	1180		7260	J	827		
7440-36-0	Antimony	E200.7	mg/kg	2							
7440-38-2	Arsenic	E200.7	mg/kg	0.389			30.7	J	8.5		
7440-50-8	Copper	E200.7	mg/kg	18.7			163	J			

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Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 8 Sediment < 12

					sys_loc_code:	C61		C65		C66	
					loc_name:	Area-08		Area-08		Area-08	
					sys_sample_code:	Z61 0-12		C65 0-12		C66 0-12	
					depth:	0-12 in		0-12 in		0-12 in	
					sample_date:	07/10/2009		07/13/2009		07/13/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED							
7440-66-6	Zinc	E200.7	mg/kg	124			318	J	71.3	
7440-70-2	Calcium	E200.7	mg/kg	NL	1540		5030	R	1140	
7440-36-0	Antimony	E200.8	mg/kg	2	1.1	U	16.5	J	1.1	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389	10.6	J				
7440-39-3	Barium	E200.8	mg/kg	130.1	2.6	J	46.6	J	2.4	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.3		0.84	J	0.27	U
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.29	U	2	J	0.39	
7440-47-3	Chromium	E200.8	mg/kg	52.3	19.4	J	65.4	J	11.8	
7440-48-4	Cobalt	E200.8	mg/kg	2.34	1.9		6.7	J	1.7	J
7440-50-8	Copper	E200.8	mg/kg	18.7	13.4				15	
7439-92-1	Lead	E200.8	mg/kg	30.2	13.9	J				
7439-96-5	Manganese	E200.8	mg/kg	183	44.6	J				
7440-02-0	Nickel	E200.8	mg/kg	15.9	5.2		25.2	J	7.5	J
7782-49-2	Selenium	E200.8	mg/kg	2	0.63		2.3	J	0.56	
7440-22-4	Silver	E200.8	mg/kg	0.73	0.29	U	3.4	J	0.27	UJ
7440-28-0	Thallium	E200.8	mg/kg	100000	0.57	U	1	UJ	0.54	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	35.9	J	46.7	J	28.7	J
7440-66-6	Zinc	E200.8	mg/kg	124	51.5					
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.092		1.3	J	0.12	
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6						
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357						
309-00-2	Aldrin	CPEST	ug/kg	2						
319-84-6	Alpha-Bhc	CPEST	ug/kg	3						
319-85-7	Beta-Bhc	CPEST	ug/kg	3						
319-86-8	Delta-Bhc	CPEST	ug/kg	3						
33213-65-9	Endosulfan II	CPEST	ug/kg	14						
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19						
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7						
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7						
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL						
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32						
60-57-1	Dieldrin	CPEST	ug/kg	0.72						
72-20-8	Endrin	CPEST	ug/kg	2.67						

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				sys_loc_code:	C61		C65		C66	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	Z61 0-12		C65 0-12		C66 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/10/2009		07/13/2009		07/13/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
72-43-5	Methoxychlor	CPEST	ug/kg	29.6						
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22						
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07						
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL						
76-44-8	Heptachlor	CPEST	ug/kg	68						
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1						
959-98-8	Endosulfan I	CPEST	ug/kg	2.9						
11096-82-5	Aroclor 1260	E608	ug/kg	21.6						
11097-69-1	Aroclor 1254	E608	ug/kg	23						
11100-14-4	Aroclor 1268	E608	ug/kg	21.6						
11104-28-2	Aroclor 1221	E608	ug/kg	21.6						
11141-16-5	Aroclor 1232	E608	ug/kg	21.6						
12672-29-6	Aroclor 1248	E608	ug/kg	21.6						
12674-11-2	Aroclor 1016	E608	ug/kg	21.6						
37324-23-5	Aroclor 1262	E608	ug/kg	21.6						
53469-21-9	Aroclor 1242	E608	ug/kg	21.6						
100-41-4	Ethylbenzene	E624	ug/kg	305						
100-42-5	Styrene	E624	ug/kg	7070						
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL						
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL						
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460						
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7						
107-06-2	1,2-Dichloroethane	E624	ug/kg	432						
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000						
108-87-2	Methylcyclohexane	E624	ug/kg	NL						
108-88-3	Toluene	E624	ug/kg	1090						
108-90-7	Chlorobenzene	E624	ug/kg	162						
110-82-7	Cyclohexane	E624	ug/kg	117000						
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473						
123-91-1	1,4-Dioxane	E624	ug/kg	44100						
124-48-1	Dibromochloromethane	E624	ug/kg	680						
127-18-4	Tetrachloroethene	E624	ug/kg	190						
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200						

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				sys_loc_code:	C61		C65		C66	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	Z61 0-12		C65 0-12		C66 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/10/2009		07/13/2009		07/13/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300						
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300						
179601-23-1	m,p-Xylene	E624	ug/kg	NL						
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842						
56-23-5	Carbon tetrachloride	E624	ug/kg	248						
591-78-6	2-Hexanone	E624	ug/kg	20900						
67-64-1	Acetone	E624	ug/kg	6130000						
67-66-3	Chloroform	E624	ug/kg	295						
71-43-2	Benzene	E624	ug/kg	137						
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856						
74-83-9	Bromomethane	E624	ug/kg	732						
74-87-3	Chloromethane	E624	ug/kg	11900						
74-97-5	Bromochloromethane	E624	ug/kg	NL						
75-00-3	Chloroethane	E624	ug/kg	1450000						
75-01-4	Vinyl Chloride	E624	ug/kg	59.7						
75-09-2	Methylene chloride	E624	ug/kg	10700						
75-15-0	Carbon Disulfide	E624	ug/kg	0.851						
75-25-2	Bromoform	E624	ug/kg	1310						
75-27-4	Bromodichloromethane	E624	ug/kg	273						
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310						
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780						
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700						
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400						
76-13-1	1,1,2-Trichloro-1,2,2-trifluo	E624	ug/kg	910000						
78-87-5	1,2-Dichloropropane	E624	ug/kg	895						
78-93-3	2-Butanone	E624	ug/kg	2780000						
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570						
79-01-6	Trichloroethene	E624	ug/kg	1600						
79-20-9	Methyl Acetate	E624	ug/kg	7820000						
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202						
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858						
95-47-6	o-Xylene	E624	ug/kg	NL						
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989						

				sys_loc_code:	C61		C65		C66	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	Z61 0-12		C65 0-12		C66 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/10/2009		07/13/2009		07/13/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
96-12-8	1,2-Dibromo-3-chloroprop	E624	ug/kg	5.35						
98-82-8	Isopropylbenzene	E624	ug/kg	86						
100-01-6	4-Nitroaniline	E625	ug/kg	24300						
100-02-7	4-Nitrophenol	E625	ug/kg	NL						
100-52-7	Benzaldehyde	E625	ug/kg	782000						
101-55-3	4-Bromophenyl Phenyl Eth	E625	ug/kg	1230						
105-60-2	Caprolactam	E625	ug/kg	3060000						
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29						
106-44-5	4-Methylphenol	E625	ug/kg	670						
106-47-8	4-Chloroaniline	E625	ug/kg	2430						
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570						
108-95-2	Phenol	E625	ug/kg	420						
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214						
111-91-1	Bis(2-Chloroethoxy) metha	E625	ug/kg	18300						
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182						
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL						
118-74-1	Hexachlorobenzene	E625	ug/kg	20						
120-12-7	Anthracene	E625	ug/kg	46.9						
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117						
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6						
129-00-0	Pyrene	E625	ug/kg	153						
131-11-3	Dimethylphthalate	E625	ug/kg	NL						
132-64-9	Dibenzofuran	E625	ug/kg	7300						
1912-24-9	Atrazine	E625	ug/kg	6.62						
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170						
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17						
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148						
206-44-0	Fluoranthene	E625	ug/kg	113						
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240						
208-96-8	Acenaphthylene	E625	ug/kg	5.87						
218-01-9	Chrysene	E625	ug/kg	108						
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8						
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200						

				sys_loc_code:	C61		C65		C66	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	Z61 0-12		C65 0-12		C66 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/10/2009		07/13/2009		07/13/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
534-52-1	4,6-Dinitro-2-Methylpheno	E625	ug/kg	611						
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22						
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8						
58-90-2	Chlorophenols	E625	ug/kg	284						
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000						
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120						
621-64-7	N-Nitroso-Di-N-Propylamir	E625	ug/kg	69.4						
67-72-1	Hexachloroethane	E625	ug/kg	804						
7005-72-3	4-Chlorophenyl Phenyleth	E625	ug/kg	NL						
77-47-4	Hexachlorocyclopentadier	E625	ug/kg	139						
78-59-1	Isophorone	E625	ug/kg	511000						
83-32-9	Acenaphthene	E625	ug/kg	6.71						
84-66-2	Diethylphthalate	E625	ug/kg	218						
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160						
85-01-8	Phenanthrene	E625	ug/kg	86.7						
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800						
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100						
86-73-7	Fluorene	E625	ug/kg	19						
86-74-8	Carbazole	E625	ug/kg	NL						
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110						
87-86-5	Pentachlorophenol	E625	ug/kg	2970						
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650						
88-74-4	2-Nitroaniline	E625	ug/kg	60600						
88-75-5	2-Nitrophenol	E625	ug/kg	NL						
91-20-3	Naphthalene	E625	ug/kg	34.6						
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2						
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000						
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080						
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220						
95-48-7	2-Methylphenol	E625	ug/kg	306000						
95-57-8	2-Chlorophenol	E625	ug/kg	344						
95-94-3	1,2,4,5-Tetrachlorobenzer	E625	ug/kg	1830						
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819						

				sys_loc_code:	C61		C65		C66	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	Z61 0-12		C65 0-12		C66 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/10/2009		07/13/2009		07/13/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
98-86-2	Acetophenone	E625	ug/kg	782000						
98-95-3	Nitrobenzene	E625	ug/kg	4790						
99-09-2	3-Nitroaniline	E625	ug/kg	NL						

				sys_loc_code:	C67		C68		C7		
				loc_name:	Area-08		Area-08		Area-08		
				sys_sample_code:	C67 0-12		C68 0-12		C07 0-12		
				depth:	0-12 in		0-12 in		0-12 in		
				sample_date:	07/10/2009		07/10/2009		07/23/2009		
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED							
7429-90-5	Aluminum	C200.7	mg/kg	7740							
7440-36-0	Antimony	C200.7	mg/kg	2							
7440-38-2	Arsenic	C200.7	mg/kg	0.389							
7440-39-3	Barium	C200.7	mg/kg	130.1							
7440-41-7	Beryllium	C200.7	mg/kg	15.6							
7440-43-9	Cadmium	C200.7	mg/kg	0.68							
7440-70-2	Calcium	C200.7	mg/kg	NL							
7440-47-3	Chromium	C200.7	mg/kg	52.3							
7440-48-4	Cobalt	C200.7	mg/kg	2.34							
7440-50-8	Copper	C200.7	mg/kg	18.7							
7439-89-6	Iron	C200.7	mg/kg	2000							
7439-92-1	Lead	C200.7	mg/kg	30.2							
7439-95-4	Magnesium	C200.7	mg/kg	NL							
7439-96-5	Manganese	C200.7	mg/kg	183							
7440-02-0	Nickel	C200.7	mg/kg	15.9							
7440-09-7	Potassium	C200.7	mg/kg	NL							
7782-49-2	Selenium	C200.7	mg/kg	2							
7440-22-4	Silver	C200.7	mg/kg	0.73							
7440-23-5	Sodium	C200.7	mg/kg	NL							
7440-28-0	Thallium	C200.7	mg/kg	100000							
7440-31-5	Tin	C200.7	mg/kg	NL							
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548							
7440-66-6	Zinc	C200.7	mg/kg	124							
7429-90-5	Aluminum	E200.7	mg/kg	7740	1460		2060		6880		
7439-89-6	Iron	E200.7	mg/kg	2000	13200	J	12800	J	17700		
7439-92-1	Lead	E200.7	mg/kg	30.2							
7439-95-4	Magnesium	E200.7	mg/kg	NL	634	J	728	J	2930		
7439-96-5	Manganese	E200.7	mg/kg	183							
7440-09-7	Potassium	E200.7	mg/kg	NL	274	J	378	J	1440		
7440-23-5	Sodium	E200.7	mg/kg	NL	1800		1420		4670		
7440-36-0	Antimony	E200.7	mg/kg	2							
7440-38-2	Arsenic	E200.7	mg/kg	0.389							
7440-50-8	Copper	E200.7	mg/kg	18.7							

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Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 8 Sediment < 12

				sys_loc_code:	C67		C68		C7		
				loc_name:	Area-08		Area-08		Area-08		
				sys_sample_code:	C67 0-12		C68 0-12		C07 0-12		
				depth:	0-12 in		0-12 in		0-12 in		
				sample_date:	07/10/2009		07/10/2009		07/23/2009		
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED							
7440-66-6	Zinc	E200.7	mg/kg	124							
7440-70-2	Calcium	E200.7	mg/kg	NL	4030		579	J	2280		
7440-36-0	Antimony	E200.8	mg/kg	2	1.2	U	1.2	U	6.6		
7440-38-2	Arsenic	E200.8	mg/kg	0.389	10.3	J	12.2	J	13.3	J	
7440-39-3	Barium	E200.8	mg/kg	130.1	2.6	J	2.7	J	25.1	J	
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.26	J	0.25		0.62		
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.34		0.3	U	1		
7440-47-3	Chromium	E200.8	mg/kg	52.3	12.2	J	21.5	J	31.9		
7440-48-4	Cobalt	E200.8	mg/kg	2.34	2		2.3		5.1		
7440-50-8	Copper	E200.8	mg/kg	18.7	17.1		15		76.6		
7439-92-1	Lead	E200.8	mg/kg	30.2	19.1	J	15.1	J	270		
7439-96-5	Manganese	E200.8	mg/kg	183	48.9	J	55.5	J	129		
7440-02-0	Nickel	E200.8	mg/kg	15.9	6.6		6		13.1		
7782-49-2	Selenium	E200.8	mg/kg	2	0.74		0.4	J	0.94		
7440-22-4	Silver	E200.8	mg/kg	0.73	0.31	U	0.3	U	1.2		
7440-28-0	Thallium	E200.8	mg/kg	100000	0.61	U	0.59	U	0.83	U	
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	20.5	J	27.1	J	30.1	J	
7440-66-6	Zinc	E200.8	mg/kg	124	68.1		62.9		174		
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.14		0.12		0.76		
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6							
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357							
309-00-2	Aldrin	CPEST	ug/kg	2							
319-84-6	Alpha-Bhc	CPEST	ug/kg	3							
319-85-7	Beta-Bhc	CPEST	ug/kg	3							
319-86-8	Delta-Bhc	CPEST	ug/kg	3							
33213-65-9	Endosulfan II	CPEST	ug/kg	14							
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19							
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7							
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7							
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL							
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32							
60-57-1	Dieldrin	CPEST	ug/kg	0.72							
72-20-8	Endrin	CPEST	ug/kg	2.67							

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				sys_loc_code:	C67		C68		C7	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	C67 0-12		C68 0-12		C07 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/10/2009		07/10/2009		07/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
72-43-5	Methoxychlor	CPEST	ug/kg	29.6						
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22						
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07						
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL						
76-44-8	Heptachlor	CPEST	ug/kg	68						
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1						
959-98-8	Endosulfan I	CPEST	ug/kg	2.9						
11096-82-5	Aroclor 1260	E608	ug/kg	21.6						
11097-69-1	Aroclor 1254	E608	ug/kg	23						
11100-14-4	Aroclor 1268	E608	ug/kg	21.6						
11104-28-2	Aroclor 1221	E608	ug/kg	21.6						
11141-16-5	Aroclor 1232	E608	ug/kg	21.6						
12672-29-6	Aroclor 1248	E608	ug/kg	21.6						
12674-11-2	Aroclor 1016	E608	ug/kg	21.6						
37324-23-5	Aroclor 1262	E608	ug/kg	21.6						
53469-21-9	Aroclor 1242	E608	ug/kg	21.6						
100-41-4	Ethylbenzene	E624	ug/kg	305						
100-42-5	Styrene	E624	ug/kg	7070						
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL						
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL						
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460						
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7						
107-06-2	1,2-Dichloroethane	E624	ug/kg	432						
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000						
108-87-2	Methylcyclohexane	E624	ug/kg	NL						
108-88-3	Toluene	E624	ug/kg	1090						
108-90-7	Chlorobenzene	E624	ug/kg	162						
110-82-7	Cyclohexane	E624	ug/kg	117000						
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473						
123-91-1	1,4-Dioxane	E624	ug/kg	44100						
124-48-1	Dibromochloromethane	E624	ug/kg	680						
127-18-4	Tetrachloroethene	E624	ug/kg	190						
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200						

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				sys_loc_code:	C67		C68		C7	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	C67 0-12		C68 0-12		C07 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/10/2009		07/10/2009		07/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300						
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300						
179601-23-1	m,p-Xylene	E624	ug/kg	NL						
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842						
56-23-5	Carbon tetrachloride	E624	ug/kg	248						
591-78-6	2-Hexanone	E624	ug/kg	20900						
67-64-1	Acetone	E624	ug/kg	6130000						
67-66-3	Chloroform	E624	ug/kg	295						
71-43-2	Benzene	E624	ug/kg	137						
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856						
74-83-9	Bromomethane	E624	ug/kg	732						
74-87-3	Chloromethane	E624	ug/kg	11900						
74-97-5	Bromochloromethane	E624	ug/kg	NL						
75-00-3	Chloroethane	E624	ug/kg	1450000						
75-01-4	Vinyl Chloride	E624	ug/kg	59.7						
75-09-2	Methylene chloride	E624	ug/kg	10700						
75-15-0	Carbon Disulfide	E624	ug/kg	0.851						
75-25-2	Bromoform	E624	ug/kg	1310						
75-27-4	Bromodichloromethane	E624	ug/kg	273						
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310						
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780						
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700						
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400						
76-13-1	1,1,2-Trichloro-1,2,2-triflud	E624	ug/kg	910000						
78-87-5	1,2-Dichloropropane	E624	ug/kg	895						
78-93-3	2-Butanone	E624	ug/kg	2780000						
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570						
79-01-6	Trichloroethene	E624	ug/kg	1600						
79-20-9	Methyl Acetate	E624	ug/kg	7820000						
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202						
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858						
95-47-6	o-Xylene	E624	ug/kg	NL						
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989						

				sys_loc_code:	C67		C68		C7	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	C67 0-12		C68 0-12		C07 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/10/2009		07/10/2009		07/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
96-12-8	1,2-Dibromo-3-chloroprop	E624	ug/kg	5.35						
98-82-8	Isopropylbenzene	E624	ug/kg	86						
100-01-6	4-Nitroaniline	E625	ug/kg	24300						
100-02-7	4-Nitrophenol	E625	ug/kg	NL						
100-52-7	Benzaldehyde	E625	ug/kg	782000						
101-55-3	4-Bromophenyl Phenyl Eth	E625	ug/kg	1230						
105-60-2	Caprolactam	E625	ug/kg	3060000						
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29						
106-44-5	4-Methylphenol	E625	ug/kg	670						
106-47-8	4-Chloroaniline	E625	ug/kg	2430						
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570						
108-95-2	Phenol	E625	ug/kg	420						
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214						
111-91-1	Bis(2-Chloroethoxy) metha	E625	ug/kg	18300						
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182						
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL						
118-74-1	Hexachlorobenzene	E625	ug/kg	20						
120-12-7	Anthracene	E625	ug/kg	46.9						
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117						
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6						
129-00-0	Pyrene	E625	ug/kg	153						
131-11-3	Dimethylphthalate	E625	ug/kg	NL						
132-64-9	Dibenzofuran	E625	ug/kg	7300						
1912-24-9	Atrazine	E625	ug/kg	6.62						
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170						
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17						
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148						
206-44-0	Fluoranthene	E625	ug/kg	113						
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240						
208-96-8	Acenaphthylene	E625	ug/kg	5.87						
218-01-9	Chrysene	E625	ug/kg	108						
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8						
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200						

				sys_loc_code:	C67		C68		C7	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	C67 0-12		C68 0-12		C07 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/10/2009		07/10/2009		07/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
534-52-1	4,6-Dinitro-2-Methylpheno	E625	ug/kg	611						
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22						
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8						
58-90-2	Chlorophenols	E625	ug/kg	284						
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000						
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120						
621-64-7	N-Nitroso-Di-N-Propylamir	E625	ug/kg	69.4						
67-72-1	Hexachloroethane	E625	ug/kg	804						
7005-72-3	4-Chlorophenyl Phenyleth	E625	ug/kg	NL						
77-47-4	Hexachlorocyclopentadier	E625	ug/kg	139						
78-59-1	Isophorone	E625	ug/kg	511000						
83-32-9	Acenaphthene	E625	ug/kg	6.71						
84-66-2	Diethylphthalate	E625	ug/kg	218						
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160						
85-01-8	Phenanthrene	E625	ug/kg	86.7						
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800						
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100						
86-73-7	Fluorene	E625	ug/kg	19						
86-74-8	Carbazole	E625	ug/kg	NL						
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110						
87-86-5	Pentachlorophenol	E625	ug/kg	2970						
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650						
88-74-4	2-Nitroaniline	E625	ug/kg	60600						
88-75-5	2-Nitrophenol	E625	ug/kg	NL						
91-20-3	Naphthalene	E625	ug/kg	34.6						
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2						
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000						
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080						
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220						
95-48-7	2-Methylphenol	E625	ug/kg	306000						
95-57-8	2-Chlorophenol	E625	ug/kg	344						
95-94-3	1,2,4,5-Tetrachlorobenzer	E625	ug/kg	1830						
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819						

				sys_loc_code:	C67		C68		C7	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	C67 0-12		C68 0-12		C07 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/10/2009		07/10/2009		07/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
98-86-2	Acetophenone	E625	ug/kg	782000						
98-95-3	Nitrobenzene	E625	ug/kg	4790						
99-09-2	3-Nitroaniline	E625	ug/kg	NL						

				sys_loc_code:	C77		C78		C78		
				loc_name:	Area-08		Area-08		Area-08		
				sys_sample_code:	C77 0-12		C78 0-12		Z78 0-12		
				depth:	0-12 in		0-12 in		0-12 in		
				sample_date:	07/13/2009		07/13/2009		07/13/2009		
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED							
7429-90-5	Aluminum	C200.7	mg/kg	7740							
7440-36-0	Antimony	C200.7	mg/kg	2							
7440-38-2	Arsenic	C200.7	mg/kg	0.389							
7440-39-3	Barium	C200.7	mg/kg	130.1							
7440-41-7	Beryllium	C200.7	mg/kg	15.6							
7440-43-9	Cadmium	C200.7	mg/kg	0.68							
7440-70-2	Calcium	C200.7	mg/kg	NL							
7440-47-3	Chromium	C200.7	mg/kg	52.3							
7440-48-4	Cobalt	C200.7	mg/kg	2.34							
7440-50-8	Copper	C200.7	mg/kg	18.7							
7439-89-6	Iron	C200.7	mg/kg	2000							
7439-92-1	Lead	C200.7	mg/kg	30.2							
7439-95-4	Magnesium	C200.7	mg/kg	NL							
7439-96-5	Manganese	C200.7	mg/kg	183							
7440-02-0	Nickel	C200.7	mg/kg	15.9							
7440-09-7	Potassium	C200.7	mg/kg	NL							
7782-49-2	Selenium	C200.7	mg/kg	2							
7440-22-4	Silver	C200.7	mg/kg	0.73							
7440-23-5	Sodium	C200.7	mg/kg	NL							
7440-28-0	Thallium	C200.7	mg/kg	100000							
7440-31-5	Tin	C200.7	mg/kg	NL							
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548							
7440-66-6	Zinc	C200.7	mg/kg	124							
7429-90-5	Aluminum	E200.7	mg/kg	7740	2340		1490		1880		
7439-89-6	Iron	E200.7	mg/kg	2000	17300		12500		13900		
7439-92-1	Lead	E200.7	mg/kg	30.2	4.1		10.9		8.8		
7439-95-4	Magnesium	E200.7	mg/kg	NL	873		496	J	619		
7439-96-5	Manganese	E200.7	mg/kg	183	46.9		44.4		43.3		
7440-09-7	Potassium	E200.7	mg/kg	NL	441	J	242	J	314	J	
7440-23-5	Sodium	E200.7	mg/kg	NL	1450		1310		1400		
7440-36-0	Antimony	E200.7	mg/kg	2							
7440-38-2	Arsenic	E200.7	mg/kg	0.389	4.7		6.6		5.9		
7440-50-8	Copper	E200.7	mg/kg	18.7							

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				sys_loc_code:	C77			C78		C78	
				loc_name:	Area-08			Area-08		Area-08	
				sys_sample_code:	C77 0-12			C78 0-12		Z78 0-12	
				depth:	0-12 in			0-12 in		0-12 in	
				sample_date:	07/13/2009			07/13/2009		07/13/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED							
7440-66-6	Zinc	E200.7	mg/kg	124	20.8			43.9		33.2	
7440-70-2	Calcium	E200.7	mg/kg	NL	745			989		1820	
7440-36-0	Antimony	E200.8	mg/kg	2	1.1	U		1.2	U	1.1	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389							
7440-39-3	Barium	E200.8	mg/kg	130.1	3.7	J		3.9	J	3.5	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.28	U		0.29		0.27	U
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.28	U		0.29	U	0.27	U
7440-47-3	Chromium	E200.8	mg/kg	52.3	7.4			10.4		9.6	
7440-48-4	Cobalt	E200.8	mg/kg	2.34	1.2	J		2	J	1.8	J
7440-50-8	Copper	E200.8	mg/kg	18.7	3.2			8		6.9	
7439-92-1	Lead	E200.8	mg/kg	30.2							
7439-96-5	Manganese	E200.8	mg/kg	183							
7440-02-0	Nickel	E200.8	mg/kg	15.9	4.4	J		4.6	J	3.9	J
7782-49-2	Selenium	E200.8	mg/kg	2	0.53	J		0.34	J	0.36	J
7440-22-4	Silver	E200.8	mg/kg	0.73	0.28	UJ		0.29	UJ	0.27	UJ
7440-28-0	Thallium	E200.8	mg/kg	100000	0.55	U		0.58	U	0.55	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	15.2	J		20.8	J	18.6	J
7440-66-6	Zinc	E200.8	mg/kg	124							
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.036	U		0.036	U	0.05	
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6							
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357							
309-00-2	Aldrin	CPEST	ug/kg	2							
319-84-6	Alpha-Bhc	CPEST	ug/kg	3							
319-85-7	Beta-Bhc	CPEST	ug/kg	3							
319-86-8	Delta-Bhc	CPEST	ug/kg	3							
33213-65-9	Endosulfan II	CPEST	ug/kg	14							
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19							
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7							
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7							
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL							
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32							
60-57-1	Dieldrin	CPEST	ug/kg	0.72							
72-20-8	Endrin	CPEST	ug/kg	2.67							

				sys_loc_code:	C77		C78		C78	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	C77 0-12		C78 0-12		Z78 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/13/2009		07/13/2009		07/13/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
72-43-5	Methoxychlor	CPEST	ug/kg	29.6						
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22						
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07						
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL						
76-44-8	Heptachlor	CPEST	ug/kg	68						
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1						
959-98-8	Endosulfan I	CPEST	ug/kg	2.9						
11096-82-5	Aroclor 1260	E608	ug/kg	21.6						
11097-69-1	Aroclor 1254	E608	ug/kg	23						
11100-14-4	Aroclor 1268	E608	ug/kg	21.6						
11104-28-2	Aroclor 1221	E608	ug/kg	21.6						
11141-16-5	Aroclor 1232	E608	ug/kg	21.6						
12672-29-6	Aroclor 1248	E608	ug/kg	21.6						
12674-11-2	Aroclor 1016	E608	ug/kg	21.6						
37324-23-5	Aroclor 1262	E608	ug/kg	21.6						
53469-21-9	Aroclor 1242	E608	ug/kg	21.6						
100-41-4	Ethylbenzene	E624	ug/kg	305						
100-42-5	Styrene	E624	ug/kg	7070						
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL						
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL						
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460						
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7						
107-06-2	1,2-Dichloroethane	E624	ug/kg	432						
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000						
108-87-2	Methylcyclohexane	E624	ug/kg	NL						
108-88-3	Toluene	E624	ug/kg	1090						
108-90-7	Chlorobenzene	E624	ug/kg	162						
110-82-7	Cyclohexane	E624	ug/kg	117000						
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473						
123-91-1	1,4-Dioxane	E624	ug/kg	44100						
124-48-1	Dibromochloromethane	E624	ug/kg	680						
127-18-4	Tetrachloroethene	E624	ug/kg	190						
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200						

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				sys_loc_code:	C77		C78		C78	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	C77 0-12		C78 0-12		Z78 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/13/2009		07/13/2009		07/13/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300						
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300						
179601-23-1	m,p-Xylene	E624	ug/kg	NL						
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842						
56-23-5	Carbon tetrachloride	E624	ug/kg	248						
591-78-6	2-Hexanone	E624	ug/kg	20900						
67-64-1	Acetone	E624	ug/kg	6130000						
67-66-3	Chloroform	E624	ug/kg	295						
71-43-2	Benzene	E624	ug/kg	137						
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856						
74-83-9	Bromomethane	E624	ug/kg	732						
74-87-3	Chloromethane	E624	ug/kg	11900						
74-97-5	Bromochloromethane	E624	ug/kg	NL						
75-00-3	Chloroethane	E624	ug/kg	1450000						
75-01-4	Vinyl Chloride	E624	ug/kg	59.7						
75-09-2	Methylene chloride	E624	ug/kg	10700						
75-15-0	Carbon Disulfide	E624	ug/kg	0.851						
75-25-2	Bromoform	E624	ug/kg	1310						
75-27-4	Bromodichloromethane	E624	ug/kg	273						
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310						
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780						
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700						
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400						
76-13-1	1,1,2-Trichloro-1,2,2-triflud	E624	ug/kg	910000						
78-87-5	1,2-Dichloropropane	E624	ug/kg	895						
78-93-3	2-Butanone	E624	ug/kg	2780000						
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570						
79-01-6	Trichloroethene	E624	ug/kg	1600						
79-20-9	Methyl Acetate	E624	ug/kg	7820000						
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202						
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858						
95-47-6	o-Xylene	E624	ug/kg	NL						
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989						

				sys_loc_code:	C77		C78		C78	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	C77 0-12		C78 0-12		Z78 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/13/2009		07/13/2009		07/13/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
96-12-8	1,2-Dibromo-3-chloroprop	E624	ug/kg	5.35						
98-82-8	Isopropylbenzene	E624	ug/kg	86						
100-01-6	4-Nitroaniline	E625	ug/kg	24300						
100-02-7	4-Nitrophenol	E625	ug/kg	NL						
100-52-7	Benzaldehyde	E625	ug/kg	782000						
101-55-3	4-Bromophenyl Phenyl Eth	E625	ug/kg	1230						
105-60-2	Caprolactam	E625	ug/kg	3060000						
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29						
106-44-5	4-Methylphenol	E625	ug/kg	670						
106-47-8	4-Chloroaniline	E625	ug/kg	2430						
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570						
108-95-2	Phenol	E625	ug/kg	420						
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214						
111-91-1	Bis(2-Chloroethoxy) metha	E625	ug/kg	18300						
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182						
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL						
118-74-1	Hexachlorobenzene	E625	ug/kg	20						
120-12-7	Anthracene	E625	ug/kg	46.9						
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117						
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6						
129-00-0	Pyrene	E625	ug/kg	153						
131-11-3	Dimethylphthalate	E625	ug/kg	NL						
132-64-9	Dibenzofuran	E625	ug/kg	7300						
1912-24-9	Atrazine	E625	ug/kg	6.62						
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170						
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17						
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148						
206-44-0	Fluoranthene	E625	ug/kg	113						
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240						
208-96-8	Acenaphthylene	E625	ug/kg	5.87						
218-01-9	Chrysene	E625	ug/kg	108						
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8						
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200						

				sys_loc_code:	C77		C78		C78	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	C77 0-12		C78 0-12		Z78 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/13/2009		07/13/2009		07/13/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
534-52-1	4,6-Dinitro-2-Methylpheno	E625	ug/kg	611						
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22						
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8						
58-90-2	Chlorophenols	E625	ug/kg	284						
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000						
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120						
621-64-7	N-Nitroso-Di-N-Propylamir	E625	ug/kg	69.4						
67-72-1	Hexachloroethane	E625	ug/kg	804						
7005-72-3	4-Chlorophenyl Phenyleth	E625	ug/kg	NL						
77-47-4	Hexachlorocyclopentadier	E625	ug/kg	139						
78-59-1	Isophorone	E625	ug/kg	511000						
83-32-9	Acenaphthene	E625	ug/kg	6.71						
84-66-2	Diethylphthalate	E625	ug/kg	218						
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160						
85-01-8	Phenanthrene	E625	ug/kg	86.7						
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800						
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100						
86-73-7	Fluorene	E625	ug/kg	19						
86-74-8	Carbazole	E625	ug/kg	NL						
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110						
87-86-5	Pentachlorophenol	E625	ug/kg	2970						
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650						
88-74-4	2-Nitroaniline	E625	ug/kg	60600						
88-75-5	2-Nitrophenol	E625	ug/kg	NL						
91-20-3	Naphthalene	E625	ug/kg	34.6						
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2						
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000						
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080						
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220						
95-48-7	2-Methylphenol	E625	ug/kg	306000						
95-57-8	2-Chlorophenol	E625	ug/kg	344						
95-94-3	1,2,4,5-Tetrachlorobenzer	E625	ug/kg	1830						
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819						

				sys_loc_code:	C77		C78		C78	
				loc_name:	Area-08		Area-08		Area-08	
				sys_sample_code:	C77 0-12		C78 0-12		Z78 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/13/2009		07/13/2009		07/13/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
98-86-2	Acetophenone	E625	ug/kg	782000						
98-95-3	Nitrobenzene	E625	ug/kg	4790						
99-09-2	3-Nitroaniline	E625	ug/kg	NL						

				sys_loc_code:	C8		C9	
				loc_name:	Area-08		Area-08	
				sys_sample_code:	C8 0-12		C9 0-12	
				depth:	0-12 in		0-12 in	
				sample_date:	07/10/2009		07/09/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED				
7429-90-5	Aluminum	C200.7	mg/kg	7740				
7440-36-0	Antimony	C200.7	mg/kg	2				
7440-38-2	Arsenic	C200.7	mg/kg	0.389				
7440-39-3	Barium	C200.7	mg/kg	130.1				
7440-41-7	Beryllium	C200.7	mg/kg	15.6				
7440-43-9	Cadmium	C200.7	mg/kg	0.68				
7440-70-2	Calcium	C200.7	mg/kg	NL				
7440-47-3	Chromium	C200.7	mg/kg	52.3				
7440-48-4	Cobalt	C200.7	mg/kg	2.34				
7440-50-8	Copper	C200.7	mg/kg	18.7				
7439-89-6	Iron	C200.7	mg/kg	2000				
7439-92-1	Lead	C200.7	mg/kg	30.2				
7439-95-4	Magnesium	C200.7	mg/kg	NL				
7439-96-5	Manganese	C200.7	mg/kg	183				
7440-02-0	Nickel	C200.7	mg/kg	15.9				
7440-09-7	Potassium	C200.7	mg/kg	NL				
7782-49-2	Selenium	C200.7	mg/kg	2				
7440-22-4	Silver	C200.7	mg/kg	0.73				
7440-23-5	Sodium	C200.7	mg/kg	NL				
7440-28-0	Thallium	C200.7	mg/kg	100000				
7440-31-5	Tin	C200.7	mg/kg	NL				
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548				
7440-66-6	Zinc	C200.7	mg/kg	124				
7429-90-5	Aluminum	E200.7	mg/kg	7740	3720	J	2690	
7439-89-6	Iron	E200.7	mg/kg	2000	10700	J	11700	J
7439-92-1	Lead	E200.7	mg/kg	30.2			125	J
7439-95-4	Magnesium	E200.7	mg/kg	NL	1670	J	1280	J
7439-96-5	Manganese	E200.7	mg/kg	183			49.8	
7440-09-7	Potassium	E200.7	mg/kg	NL	798	J	529	
7440-23-5	Sodium	E200.7	mg/kg	NL	3070	J	1640	J
7440-36-0	Antimony	E200.7	mg/kg	2				
7440-38-2	Arsenic	E200.7	mg/kg	0.389			10.5	J
7440-50-8	Copper	E200.7	mg/kg	18.7			96.2	J

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				sys_loc_code:	C8		C9	
				loc_name:	Area-08		Area-08	
				sys_sample_code:	C8 0-12		C9 0-12	
				depth:	0-12 in		0-12 in	
				sample_date:	07/10/2009		07/09/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED				
7440-66-6	Zinc	E200.7	mg/kg	124			119	J
7440-70-2	Calcium	E200.7	mg/kg	NL	1370	J	1630	
7440-36-0	Antimony	E200.8	mg/kg	2	3.9		2	
7440-38-2	Arsenic	E200.8	mg/kg	0.389	7.1	J		
7440-39-3	Barium	E200.8	mg/kg	130.1	11.6	J	14.3	
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.37		0.4	
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.45		0.94	
7440-47-3	Chromium	E200.8	mg/kg	52.3	18.6		24.4	J
7440-48-4	Cobalt	E200.8	mg/kg	2.34	3		2.5	J
7440-50-8	Copper	E200.8	mg/kg	18.7	46.4			
7439-92-1	Lead	E200.8	mg/kg	30.2	144			
7439-96-5	Manganese	E200.8	mg/kg	183	61.4			
7440-02-0	Nickel	E200.8	mg/kg	15.9	7.2		11.6	J
7782-49-2	Selenium	E200.8	mg/kg	2	0.48	J	1.3	J
7440-22-4	Silver	E200.8	mg/kg	0.73	0.69	J	1.2	J
7440-28-0	Thallium	E200.8	mg/kg	100000	0.72	U	0.55	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	20.1		20.8	J
7440-66-6	Zinc	E200.8	mg/kg	124	98.6			
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.27		0.37	
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6				
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357				
309-00-2	Aldrin	CPEST	ug/kg	2				
319-84-6	Alpha-Bhc	CPEST	ug/kg	3				
319-85-7	Beta-Bhc	CPEST	ug/kg	3				
319-86-8	Delta-Bhc	CPEST	ug/kg	3				
33213-65-9	Endosulfan II	CPEST	ug/kg	14				
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19				
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7				
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7				
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL				
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32				
60-57-1	Dieldrin	CPEST	ug/kg	0.72				
72-20-8	Endrin	CPEST	ug/kg	2.67				

				sys_loc_code:	C8		C9	
				loc_name:	Area-08		Area-08	
				sys_sample_code:	C8 0-12		C9 0-12	
				depth:	0-12 in		0-12 in	
				sample_date:	07/10/2009		07/09/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED				
72-43-5	Methoxychlor	CPEST	ug/kg	29.6				
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22				
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07				
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL				
76-44-8	Heptachlor	CPEST	ug/kg	68				
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1				
959-98-8	Endosulfan I	CPEST	ug/kg	2.9				
11096-82-5	Aroclor 1260	E608	ug/kg	21.6				
11097-69-1	Aroclor 1254	E608	ug/kg	23				
11100-14-4	Aroclor 1268	E608	ug/kg	21.6				
11104-28-2	Aroclor 1221	E608	ug/kg	21.6				
11141-16-5	Aroclor 1232	E608	ug/kg	21.6				
12672-29-6	Aroclor 1248	E608	ug/kg	21.6				
12674-11-2	Aroclor 1016	E608	ug/kg	21.6				
37324-23-5	Aroclor 1262	E608	ug/kg	21.6				
53469-21-9	Aroclor 1242	E608	ug/kg	21.6				
100-41-4	Ethylbenzene	E624	ug/kg	305				
100-42-5	Styrene	E624	ug/kg	7070				
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL				
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL				
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460				
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7				
107-06-2	1,2-Dichloroethane	E624	ug/kg	432				
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000				
108-87-2	Methylcyclohexane	E624	ug/kg	NL				
108-88-3	Toluene	E624	ug/kg	1090				
108-90-7	Chlorobenzene	E624	ug/kg	162				
110-82-7	Cyclohexane	E624	ug/kg	117000				
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473				
123-91-1	1,4-Dioxane	E624	ug/kg	44100				
124-48-1	Dibromochloromethane	E624	ug/kg	680				
127-18-4	Tetrachloroethene	E624	ug/kg	190				
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200				

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				sys_loc_code:	C8		C9	
				loc_name:	Area-08		Area-08	
				sys_sample_code:	C8 0-12		C9 0-12	
				depth:	0-12 in		0-12 in	
				sample_date:	07/10/2009		07/09/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED				
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300				
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300				
179601-23-1	m,p-Xylene	E624	ug/kg	NL				
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842				
56-23-5	Carbon tetrachloride	E624	ug/kg	248				
591-78-6	2-Hexanone	E624	ug/kg	20900				
67-64-1	Acetone	E624	ug/kg	6130000				
67-66-3	Chloroform	E624	ug/kg	295				
71-43-2	Benzene	E624	ug/kg	137				
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856				
74-83-9	Bromomethane	E624	ug/kg	732				
74-87-3	Chloromethane	E624	ug/kg	11900				
74-97-5	Bromochloromethane	E624	ug/kg	NL				
75-00-3	Chloroethane	E624	ug/kg	1450000				
75-01-4	Vinyl Chloride	E624	ug/kg	59.7				
75-09-2	Methylene chloride	E624	ug/kg	10700				
75-15-0	Carbon Disulfide	E624	ug/kg	0.851				
75-25-2	Bromoform	E624	ug/kg	1310				
75-27-4	Bromodichloromethane	E624	ug/kg	273				
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310				
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780				
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700				
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400				
76-13-1	1,1,2-Trichloro-1,2,2-triflu	E624	ug/kg	910000				
78-87-5	1,2-Dichloropropane	E624	ug/kg	895				
78-93-3	2-Butanone	E624	ug/kg	2780000				
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570				
79-01-6	Trichloroethene	E624	ug/kg	1600				
79-20-9	Methyl Acetate	E624	ug/kg	7820000				
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202				
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858				
95-47-6	o-Xylene	E624	ug/kg	NL				
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989				

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				sys_loc_code:	C8		C9	
				loc_name:	Area-08		Area-08	
				sys_sample_code:	C8 0-12		C9 0-12	
				depth:	0-12 in		0-12 in	
				sample_date:	07/10/2009		07/09/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED				
96-12-8	1,2-Dibromo-3-chloroprop	E624	ug/kg	5.35				
98-82-8	Isopropylbenzene	E624	ug/kg	86				
100-01-6	4-Nitroaniline	E625	ug/kg	24300				
100-02-7	4-Nitrophenol	E625	ug/kg	NL				
100-52-7	Benzaldehyde	E625	ug/kg	782000				
101-55-3	4-Bromophenyl Phenyl Eth	E625	ug/kg	1230				
105-60-2	Caprolactam	E625	ug/kg	3060000				
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29				
106-44-5	4-Methylphenol	E625	ug/kg	670				
106-47-8	4-Chloroaniline	E625	ug/kg	2430				
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570				
108-95-2	Phenol	E625	ug/kg	420				
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214				
111-91-1	Bis(2-Chloroethoxy) metha	E625	ug/kg	18300				
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182				
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL				
118-74-1	Hexachlorobenzene	E625	ug/kg	20				
120-12-7	Anthracene	E625	ug/kg	46.9				
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117				
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6				
129-00-0	Pyrene	E625	ug/kg	153				
131-11-3	Dimethylphthalate	E625	ug/kg	NL				
132-64-9	Dibenzofuran	E625	ug/kg	7300				
1912-24-9	Atrazine	E625	ug/kg	6.62				
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170				
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17				
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148				
206-44-0	Fluoranthene	E625	ug/kg	113				
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240				
208-96-8	Acenaphthylene	E625	ug/kg	5.87				
218-01-9	Chrysene	E625	ug/kg	108				
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8				
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200				

				sys_loc_code:	C8		C9	
				loc_name:	Area-08		Area-08	
				sys_sample_code:	C8 0-12		C9 0-12	
				depth:	0-12 in		0-12 in	
				sample_date:	07/10/2009		07/09/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED				
534-52-1	4,6-Dinitro-2-Methylpheno	E625	ug/kg	611				
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22				
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8				
58-90-2	Chlorophenols	E625	ug/kg	284				
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000				
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120				
621-64-7	N-Nitroso-Di-N-Propylamir	E625	ug/kg	69.4				
67-72-1	Hexachloroethane	E625	ug/kg	804				
7005-72-3	4-Chlorophenyl Phenyleth	E625	ug/kg	NL				
77-47-4	Hexachlorocyclopentadier	E625	ug/kg	139				
78-59-1	Isophorone	E625	ug/kg	511000				
83-32-9	Acenaphthene	E625	ug/kg	6.71				
84-66-2	Diethylphthalate	E625	ug/kg	218				
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160				
85-01-8	Phenanthrene	E625	ug/kg	86.7				
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800				
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100				
86-73-7	Fluorene	E625	ug/kg	19				
86-74-8	Carbazole	E625	ug/kg	NL				
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110				
87-86-5	Pentachlorophenol	E625	ug/kg	2970				
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650				
88-74-4	2-Nitroaniline	E625	ug/kg	60600				
88-75-5	2-Nitrophenol	E625	ug/kg	NL				
91-20-3	Naphthalene	E625	ug/kg	34.6				
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2				
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000				
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080				
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220				
95-48-7	2-Methylphenol	E625	ug/kg	306000				
95-57-8	2-Chlorophenol	E625	ug/kg	344				
95-94-3	1,2,4,5-Tetrachlorobenzer	E625	ug/kg	1830				
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819				

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				sys_loc_code:	C8		C9	
				loc_name:	Area-08		Area-08	
				sys_sample_code:	C8 0-12		C9 0-12	
				depth:	0-12 in		0-12 in	
				sample_date:	07/10/2009		07/09/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED				
98-86-2	Acetophenone	E625	ug/kg	782000				
98-95-3	Nitrobenzene	E625	ug/kg	4790				
99-09-2	3-Nitroaniline	E625	ug/kg	NL				

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					sys_loc_code:	SW15		SW16		SW21	
					loc_name:	Area-08		Area-08		Area-08	
					sys_sample_code:	RBS-SW15D		RBS-SW16D		RBS-SW21D	
					sample_date:	09/15/2008		09/15/2008		09/15/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SW							
7429-90-5	Aluminum	C200.7	ug/l	87		3920	J	15600	J	184	J
7440-36-0	Antimony	C200.7	ug/l	500		27.7	J	61.6		60	U
7440-38-2	Arsenic	C200.7	ug/l	12.5		26.3		79.7		4	J
7440-39-3	Barium	C200.7	ug/l	4		31.9	J	76.6	J	22.2	J
7440-41-7	Beryllium	C200.7	ug/l	0.66		5	R	5	UJ	5	U
7440-43-9	Cadmium	C200.7	ug/l	0.12		0.35	J	5	U	5	U
7440-70-2	Calcium	C200.7	ug/l	116000		231000	J	230000	J	226000	J
7440-47-3	Chromium	C200.7	ug/l	57.5		14.7	J	51.6	R	10	UJ
7440-48-4	Cobalt	C200.7	ug/l	23		3.5	J	50	UJ	1.1	J
7440-50-8	Copper	C200.7	ug/l	3.1		45.2	J	197	J	25	U
7439-89-6	Iron	C200.7	ug/l	300		7900	J	29300	R	348	J
7439-92-1	Lead	C200.7	ug/l	8.1		585	J	1810	J	10	UJ
7439-95-4	Magnesium	C200.7	ug/l	82000		763000	J	735000	J	761000	J
7439-96-5	Manganese	C200.7	ug/l	120		330	J	1100	R	167	J
7440-02-0	Nickel	C200.7	ug/l	8.2		8.1	J	26.2	J	1.7	J
7440-09-7	Potassium	C200.7	ug/l	53000		250000	J	260000	J	238000	J
7782-49-2	Selenium	C200.7	ug/l	71		2.6	J	2.3	J	35	U
7440-22-4	Silver	C200.7	ug/l	0.23		10	UJ	1.7	J	10	UJ
7440-23-5	Sodium	C200.7	ug/l	680000		1310000	R	1370000	R	1570000	R
7440-28-0	Thallium	C200.7	ug/l	21.3		25	U	25	U	25	U
7440-31-5	Tin	C200.7	ug/l	NL		11.2	R	35.4	J	100	U
7440-62-2	Vanadium (Fume Or Dust)	C200.7	ug/l	20		50	UJ	63.8	J	50	UJ
7440-66-6	Zinc	C200.7	ug/l	81		81.6	J	363	J	60	UJ

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				sys_loc_code:	SW22		SW23	
				loc_name:	Area-08		Area-08	
				sys_sample_code:	RBS-SW22D		RBS-SW23D	
				sample_date:	09/15/2008		09/15/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SW				
7429-90-5	Aluminum	C200.7	ug/l	87	257	J	233	J
7440-36-0	Antimony	C200.7	ug/l	500	60	U	60	U
7440-38-2	Arsenic	C200.7	ug/l	12.5	3.4	J	2.5	J
7440-39-3	Barium	C200.7	ug/l	4	22.2	J	21	J
7440-41-7	Beryllium	C200.7	ug/l	0.66	5	U	5	UJ
7440-43-9	Cadmium	C200.7	ug/l	0.12	5	U	5	U
7440-70-2	Calcium	C200.7	ug/l	116000	223000	J	216000	J
7440-47-3	Chromium	C200.7	ug/l	57.5	10	UJ	10	R
7440-48-4	Cobalt	C200.7	ug/l	23	1.1	J	50	UJ
7440-50-8	Copper	C200.7	ug/l	3.1	25	U	25	U
7439-89-6	Iron	C200.7	ug/l	300	471	J	311	R
7439-92-1	Lead	C200.7	ug/l	8.1	5.1	J	10	UJ
7439-95-4	Magnesium	C200.7	ug/l	82000	746000	J	685000	J
7439-96-5	Manganese	C200.7	ug/l	120	170	J	117	R
7440-02-0	Nickel	C200.7	ug/l	8.2	1.4	J	40	U
7440-09-7	Potassium	C200.7	ug/l	53000	237000	J	255000	J
7782-49-2	Selenium	C200.7	ug/l	71	35	U	35	U
7440-22-4	Silver	C200.7	ug/l	0.23	10	UJ	10	UJ
7440-23-5	Sodium	C200.7	ug/l	680000	1330000	R	1280000	R
7440-28-0	Thallium	C200.7	ug/l	21.3	25	U	25	U
7440-31-5	Tin	C200.7	ug/l	NL	100	U	100	U
7440-62-2	Vanadium (Fume Or Dust)	C200.7	ug/l	20	50	UJ	50	UJ
7440-66-6	Zinc	C200.7	ug/l	81	60	UJ	60	R

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				sys_loc_code:	SW15		SW16		SW21		SW22
				loc_name:	Area-08		Area-08		Area-08		Area-08
				sys_sample_code:	RBS-SW15		RBS-SW16		RBS-SW21		RBS-SW22
				sample_date:	09/15/2008		09/15/2008		09/15/2008		09/15/2008
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SW							
7429-90-5	Aluminum	C200.7	ug/l	87	2910	J	12600	J	180	J	252
7440-36-0	Antimony	C200.7	ug/l	500	21.1	J	53.2	J	60	U	60
7440-38-2	Arsenic	C200.7	ug/l	12.5	22		70.9		4.8	J	2.7
7440-39-3	Barium	C200.7	ug/l	4	29.5	J	64.9	J	21.4	J	22
7440-41-7	Beryllium	C200.7	ug/l	0.66	5	R	5	UJ	5	U	5
7440-43-9	Cadmium	C200.7	ug/l	0.12	0.34	J	5	U	5	U	5
7440-70-2	Calcium	C200.7	ug/l	116000	234000	J	230000	J	222000	J	222000
7440-47-3	Chromium	C200.7	ug/l	57.5	12.5	J	43.8	R	10	UJ	10
7440-48-4	Cobalt	C200.7	ug/l	23	2.8	J	50	UJ	1.1	J	1.2
7440-50-8	Copper	C200.7	ug/l	3.1	32.4	J	154	J	25	U	25
7439-89-6	Iron	C200.7	ug/l	300	6320	J	27100	R	345	J	484
7439-92-1	Lead	C200.7	ug/l	8.1	494	J	1580	J	10	UJ	6.7
7439-95-4	Magnesium	C200.7	ug/l	82000	785000	J	745000	J	754000	J	742000
7439-96-5	Manganese	C200.7	ug/l	120	309	J	874	R	163	J	171
7440-02-0	Nickel	C200.7	ug/l	8.2	6.3	J	22.1	J	1.6	J	1.4
7440-09-7	Potassium	C200.7	ug/l	53000	253000	J	255000	J	233000	J	235000
7782-49-2	Selenium	C200.7	ug/l	71	35	U	3.8	J	35	U	2.4
7440-22-4	Silver	C200.7	ug/l	0.23	1.3	J	1.3	J	10	U	10
7440-23-5	Sodium	C200.7	ug/l	680000	1310000	R	1530000	R	1510000	R	1360000
7440-28-0	Thallium	C200.7	ug/l	21.3	25	U	25	U	25	U	25
7440-31-5	Tin	C200.7	ug/l	NL	7	R	27.1	J	100	U	100
7440-62-2	Vanadium (Fume Or Dust)	C200.7	ug/l	20	50	UJ	65.2	J	50	UJ	50
7440-66-6	Zinc	C200.7	ug/l	81	67.4	J	255	J	60	UJ	60

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				sys_loc_code: loc_name: sys_sample_code: sample_date:	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SW	
7429-90-5	Aluminum	C200.7	ug/l	87	J
7440-36-0	Antimony	C200.7	ug/l	500	U
7440-38-2	Arsenic	C200.7	ug/l	12.5	J
7440-39-3	Barium	C200.7	ug/l	4	J
7440-41-7	Beryllium	C200.7	ug/l	0.66	U
7440-43-9	Cadmium	C200.7	ug/l	0.12	U
7440-70-2	Calcium	C200.7	ug/l	116000	J
7440-47-3	Chromium	C200.7	ug/l	57.5	UJ
7440-48-4	Cobalt	C200.7	ug/l	23	J
7440-50-8	Copper	C200.7	ug/l	3.1	U
7439-89-6	Iron	C200.7	ug/l	300	J
7439-92-1	Lead	C200.7	ug/l	8.1	J
7439-95-4	Magnesium	C200.7	ug/l	82000	J
7439-96-5	Manganese	C200.7	ug/l	120	J
7440-02-0	Nickel	C200.7	ug/l	8.2	J
7440-09-7	Potassium	C200.7	ug/l	53000	J
7782-49-2	Selenium	C200.7	ug/l	71	J
7440-22-4	Silver	C200.7	ug/l	0.23	UJ
7440-23-5	Sodium	C200.7	ug/l	680000	R
7440-28-0	Thallium	C200.7	ug/l	21.3	U
7440-31-5	Tin	C200.7	ug/l	NL	U
7440-62-2	Vanadium (Fume Or Dust)	C200.7	ug/l	20	UJ
7440-66-6	Zinc	C200.7	ug/l	81	UJ

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				sys_loc_code:	SW23	
				loc_name:	Area-08	
				sys_sample_code:	RBS-SW23	
				sample_date:	09/15/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SW		
7429-90-5	Aluminum	C200.7	ug/l	87	235	J
7440-36-0	Antimony	C200.7	ug/l	500	60	U
7440-38-2	Arsenic	C200.7	ug/l	12.5	3.8	J
7440-39-3	Barium	C200.7	ug/l	4	21.7	J
7440-41-7	Beryllium	C200.7	ug/l	0.66	5	UJ
7440-43-9	Cadmium	C200.7	ug/l	0.12	5	U
7440-70-2	Calcium	C200.7	ug/l	116000	224000	J
7440-47-3	Chromium	C200.7	ug/l	57.5	10	R
7440-48-4	Cobalt	C200.7	ug/l	23	50	UJ
7440-50-8	Copper	C200.7	ug/l	3.1	25	U
7439-89-6	Iron	C200.7	ug/l	300	333	R
7439-92-1	Lead	C200.7	ug/l	8.1	10	UJ
7439-95-4	Magnesium	C200.7	ug/l	82000	723000	J
7439-96-5	Manganese	C200.7	ug/l	120	122	R
7440-02-0	Nickel	C200.7	ug/l	8.2	2.1	J
7440-09-7	Potassium	C200.7	ug/l	53000	259000	J
7782-49-2	Selenium	C200.7	ug/l	71	3.1	J
7440-22-4	Silver	C200.7	ug/l	0.23	10	UJ
7440-23-5	Sodium	C200.7	ug/l	680000	1360000	R
7440-28-0	Thallium	C200.7	ug/l	21.3	25	U
7440-31-5	Tin	C200.7	ug/l	NL	100	U
7440-62-2	Vanadium (Fume Or Dust)	C200.7	ug/l	20	50	UJ
7440-66-6	Zinc	C200.7	ug/l	81	60	R

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				sys_loc_code:	C1		C15		C16		C17	
				loc_name:	Area-08		Area-08		Area-08		Area-08	
				sys_sample_code:	C1 12-24		C15 12-24		C16 12-24		C17 12-24	
				depth:	12-24 in		12-24 in		12-24 in		12-24 in	
				sample_date:	07/09/2009		07/09/2009		07/09/2009		07/10/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	E200.7	mg/kg	7740	8280		12700	J	6860		8670	J
7440-38-2	Arsenic	E200.7	mg/kg	0.389	22.4	J	32.3	J	18.2			
7440-70-2	Calcium	E200.7	mg/kg	NL	3060		3890	J	3380	J	2390	J
7440-50-8	Copper	E200.7	mg/kg	18.7	116	J	259	J	149			
7439-89-6	Iron	E200.7	mg/kg	2000	29100	J	35800	J	23400	J	23200	J
7439-92-1	Lead	E200.7	mg/kg	30.2	529	J	265	J	165			
7439-95-4	Magnesium	E200.7	mg/kg	NL	4460	J	5920	J	3460		3960	J
7439-96-5	Manganese	E200.7	mg/kg	183	172		266	J	134	J		
7440-09-7	Potassium	E200.7	mg/kg	NL	1880		2430	J	1380		1780	J
7440-23-5	Sodium	E200.7	mg/kg	NL	6520	J	9780	J	5410		6620	J
7440-66-6	Zinc	E200.7	mg/kg	124	246	J	438	J	284			
7440-36-0	Antimony	E200.8	mg/kg	2	8		2.2	UJ	1.5	UJ	2.4	
7440-38-2	Arsenic	E200.8	mg/kg	0.389							20.9	J
7440-39-3	Barium	E200.8	mg/kg	130.1	36.1		65.7	J	36		31.5	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.98		1.1	J	0.76		0.61	
7440-43-9	Cadmium	E200.8	mg/kg	0.68	1.4		3	J	1.7		1.7	
7440-47-3	Chromium	E200.8	mg/kg	52.3	42.3	J	86.4	J	52.4		52.6	
7440-48-4	Cobalt	E200.8	mg/kg	2.34	7	J	8	J	5.4	J	4.7	
7440-50-8	Copper	E200.8	mg/kg	18.7							145	
7439-92-1	Lead	E200.8	mg/kg	30.2							156	
7439-96-5	Manganese	E200.8	mg/kg	183							115	
7440-02-0	Nickel	E200.8	mg/kg	15.9	18.6	J	30.5	J	19.3		18.6	
7782-49-2	Selenium	E200.8	mg/kg	2	1.4	J	2.7	J	1.6	J	2.2	J
7440-22-4	Silver	E200.8	mg/kg	0.73	2.3	J	4.8	J	3.2	J	2.2	J
7440-28-0	Thallium	E200.8	mg/kg	100000	0.96	U	1.1	UJ	0.76	U	0.96	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	40.8	J	48.6	J	41.3		30.8	
7440-66-6	Zinc	E200.8	mg/kg	124							254	
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.98		2.5	J	1.1		1.4	

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				sys_loc_code:	C18		C19		C2		C25	
				loc_name:	Area-08		Area-08		Area-08		Area-08	
				sys_sample_code:	C18 12-24		C19 12-24		C2 12-24		C25 12-24	
				depth:	12-24 in		12-24 in		12-24 in		12-24 in	
				sample_date:	07/10/2009		07/09/2009		07/09/2009		07/09/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	E200.7	mg/kg	7740	2160	J	1390		2750	J	11900	J
7440-38-2	Arsenic	E200.7	mg/kg	0.389			5.9	J	29		37.3	J
7440-70-2	Calcium	E200.7	mg/kg	NL	190		168	J	2800	J	3360	J
7440-50-8	Copper	E200.7	mg/kg	18.7			4	J	122	J	272	J
7439-89-6	Iron	E200.7	mg/kg	2000	33900	J	24600	J	14700	J	39000	J
7439-92-1	Lead	E200.7	mg/kg	30.2			4.9	J	1230		479	J
7439-95-4	Magnesium	E200.7	mg/kg	NL	424	J	292	J	1880	J	6270	J
7439-96-5	Manganese	E200.7	mg/kg	183			24.7		77.9	J	274	J
7440-09-7	Potassium	E200.7	mg/kg	NL	567	U	177	J	650	J	2470	J
7440-23-5	Sodium	E200.7	mg/kg	NL	1200		1030	J	3290	J	10200	J
7440-66-6	Zinc	E200.7	mg/kg	124			18.5	J	217	J	482	J
7440-36-0	Antimony	E200.8	mg/kg	2	1.1	U	1.2	U	29.9		5.3	J
7440-38-2	Arsenic	E200.8	mg/kg	0.389	4.7	J						
7440-39-3	Barium	E200.8	mg/kg	130.1	1.1	J	6	U	32.1		74.6	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.53	J	0.45		0.43		1.2	J
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.28	U	0.3	U	3.3		3.4	J
7440-47-3	Chromium	E200.8	mg/kg	52.3	21.3	J	24.1	J	23.6		93	J
7440-48-4	Cobalt	E200.8	mg/kg	2.34	0.62		0.66	J	3.2		8.9	J
7440-50-8	Copper	E200.8	mg/kg	18.7	3.6	J						
7439-92-1	Lead	E200.8	mg/kg	30.2	3.6							
7439-96-5	Manganese	E200.8	mg/kg	183	19.7	J						
7440-02-0	Nickel	E200.8	mg/kg	15.9	1.4		1.8	J	12.9		33.1	J
7782-49-2	Selenium	E200.8	mg/kg	2	0.57	U	0.6	UJ	0.9		3.2	J
7440-22-4	Silver	E200.8	mg/kg	0.73	0.28	U	0.3	UJ	1.2	J	5.5	J
7440-28-0	Thallium	E200.8	mg/kg	100000	0.57	U	0.6	U	0.58	U	1.1	UJ
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	28.9	J	43.6	J	19.9		54.3	J
7440-66-6	Zinc	E200.8	mg/kg	124	13.2							
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.034	U	0.037	U	0.47		2.5	J

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					sys_loc_code:	C26		C27		C28		C29	
					loc_name:	Area-08		Area-08		Area-08		Area-08	
					sys_sample_code:	C26 12-24		C27 12-24		C28 12-24		C29 12-24	
					depth:	12-24 in		12-24 in		12-24 in		12-24 in	
					sample_date:	07/09/2009		07/09/2009		07/10/2009		07/27/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED									
7429-90-5	Aluminum	E200.7	mg/kg	7740		10100	J	8610	J	2620	J		
7440-38-2	Arsenic	E200.7	mg/kg	0.389		38.7	J	38.3	J				
7440-70-2	Calcium	E200.7	mg/kg	NL		3340	J	3060	J	2250	J		
7440-50-8	Copper	E200.7	mg/kg	18.7		323	J	283	J				
7439-89-6	Iron	E200.7	mg/kg	2000		37300	J	33400	J	21400	J		
7439-92-1	Lead	E200.7	mg/kg	30.2		264	J	244	J				
7439-95-4	Magnesium	E200.7	mg/kg	NL		5710	J	4980	J	551	J		
7439-96-5	Manganese	E200.7	mg/kg	183		243	J	208	J				
7440-09-7	Potassium	E200.7	mg/kg	NL		2290	J	1930	J	565	U		
7440-23-5	Sodium	E200.7	mg/kg	NL		10200	J	9140	J	721			
7440-66-6	Zinc	E200.7	mg/kg	124		398	J	375	J				
7440-36-0	Antimony	E200.8	mg/kg	2		2.1	UJ	2.2	UJ	1.1	U	1.1	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389						8.8	J	14.5	J
7440-39-3	Barium	E200.8	mg/kg	130.1		74.6	J	54.6	J	2.6	J	3.5	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6		0.95	J	1.1	J	0.89	J	0.87	
7440-43-9	Cadmium	E200.8	mg/kg	0.68		3.2	J	2.4	J	0.28	U	0.19	J
7440-47-3	Chromium	E200.8	mg/kg	52.3		78.5	J	70.1	J	25.9	J	28.8	
7440-48-4	Cobalt	E200.8	mg/kg	2.34		7.4	J	7.3	J	1.6		2.4	
7440-50-8	Copper	E200.8	mg/kg	18.7						9.1	J	17.2	J
7439-92-1	Lead	E200.8	mg/kg	30.2						8.8		16.7	J
7439-96-5	Manganese	E200.8	mg/kg	183						36.4	J	76.6	
7440-02-0	Nickel	E200.8	mg/kg	15.9		30.7	J	28.3	J	5		9	J
7782-49-2	Selenium	E200.8	mg/kg	2		4.8	J	3.1	J	0.43	J	0.98	
7440-22-4	Silver	E200.8	mg/kg	0.73		5.9	J	4	J	0.28	U	0.28	UJ
7440-28-0	Thallium	E200.8	mg/kg	100000		1.1	UJ	1.1	UJ	0.56	U	0.57	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548		43.2	J	45.2	J	47.2	J	52.3	
7440-66-6	Zinc	E200.8	mg/kg	124						35.9		58.9	J
7439-97-6	Mercury	E245.5	mg/kg	0.13		2.7	J	2.1	J	0.047		0.083	

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					sys_loc_code:	C3		C37		C38		C41	
					loc_name:	Area-08		Area-08		Area-08		Area-08	
					sys_sample_code:	C3 12-24		C37 12-24		C38 12-24		C41 12-24	
					depth:	12-24 in		12-24 in		12-24 in		12-24 in	
					sample_date:	07/09/2009		07/09/2009		07/09/2009		07/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED									
7429-90-5	Aluminum	E200.7	mg/kg	7740		2240	J	11300	J	13500	J	2880	
7440-38-2	Arsenic	E200.7	mg/kg	0.389		8.2		42.8	J	34	J		
7440-70-2	Calcium	E200.7	mg/kg	NL		6640	J	3320	J	3350	J	243	J
7440-50-8	Copper	E200.7	mg/kg	18.7		378	J	267	J	253	J		
7439-89-6	Iron	E200.7	mg/kg	2000		9220	J	41400	J	38200	J	38500	
7439-92-1	Lead	E200.7	mg/kg	30.2		290		988	J	349	J		
7439-95-4	Magnesium	E200.7	mg/kg	NL		1010	J	6120	J	6200	J	556	J
7439-96-5	Manganese	E200.7	mg/kg	183		26	J	334	J	326	J		
7440-09-7	Potassium	E200.7	mg/kg	NL		267	J	2560	J	2470	J	561	U
7440-23-5	Sodium	E200.7	mg/kg	NL		580	UJ	11400	J	10900	J	1110	
7440-66-6	Zinc	E200.7	mg/kg	124		55.3	J	505	J	385	J		
7440-36-0	Antimony	E200.8	mg/kg	2		7.3		18.7	J	3.7	J	1.1	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389								9.8	J
7440-39-3	Barium	E200.8	mg/kg	130.1		9.4		62.1	J	71.8	J	5.6	UJ
7440-41-7	Beryllium	E200.8	mg/kg	15.6		0.22	U	0.96	J	1.1	J	0.89	
7440-43-9	Cadmium	E200.8	mg/kg	0.68		0.22	U	3.1	J	2.4	J	0.28	U
7440-47-3	Chromium	E200.8	mg/kg	52.3		16.6		73.1	J	87.9	J	43.1	
7440-48-4	Cobalt	E200.8	mg/kg	2.34		0.91		7.9	J	8.8	J	1.3	
7440-50-8	Copper	E200.8	mg/kg	18.7								4.6	
7439-92-1	Lead	E200.8	mg/kg	30.2								4.4	
7439-96-5	Manganese	E200.8	mg/kg	183								42.9	
7440-02-0	Nickel	E200.8	mg/kg	15.9		2.6		29	J	30.5	J	3.6	
7782-49-2	Selenium	E200.8	mg/kg	2		0.29	J	2.8	J	2.3	J	0.56	U
7440-22-4	Silver	E200.8	mg/kg	0.73		0.22	UJ	4.5	J	4.8	J	0.28	U
7440-28-0	Thallium	E200.8	mg/kg	100000		0.45	U	1.3	UJ	1.3	UJ	0.26	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548		12.4		50.8	J	59.8	J	61.6	J
7440-66-6	Zinc	E200.8	mg/kg	124								32	
7439-97-6	Mercury	E245.5	mg/kg	0.13		0.037		2.5	J	2.7	J	0.034	U

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					sys_loc_code:	C48		C49		C50		C51	
					loc_name:	Area-08		Area-08		Area-08		Area-08	
					sys_sample_code:	C48 12-24		C49 12-24		C50 12-24		C51 12-24	
					depth:	12-24 in		12-24 in		12-24 in		12-24 in	
					sample_date:	07/13/2009		07/13/2009		07/13/2009		07/27/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED									
7429-90-5	Aluminum	E200.7	mg/kg	7740		12500	J	10600	J	1700	J		
7440-38-2	Arsenic	E200.7	mg/kg	0.389		39.8	J	42	J	4.1	J		
7440-70-2	Calcium	E200.7	mg/kg	NL		3580	R	3960	R	4710			
7440-50-8	Copper	E200.7	mg/kg	18.7		280	J	367	J				
7439-89-6	Iron	E200.7	mg/kg	2000		39900	J	33400	J	22700	J		
7439-92-1	Lead	E200.7	mg/kg	30.2		361	J	281	J	2.2	J		
7439-95-4	Magnesium	E200.7	mg/kg	NL		6520	J	5430	J	575			
7439-96-5	Manganese	E200.7	mg/kg	183		320	J	223	J	43.9	J		
7440-09-7	Potassium	E200.7	mg/kg	NL		2540	J	2070	J	188	J		
7440-23-5	Sodium	E200.7	mg/kg	NL		13500	J	9490	J	1170	J		
7440-66-6	Zinc	E200.7	mg/kg	124		410	J	402	J	15.5	J		
7440-36-0	Antimony	E200.8	mg/kg	2		7.6	J	4.9	J	1.1	U	1.1	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389								5.8	J
7440-39-3	Barium	E200.8	mg/kg	130.1		77.3	J	80.4	J	5.7	UJ	2.5	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6		1.3	J	1.2	J	0.32		0.41	
7440-43-9	Cadmium	E200.8	mg/kg	0.68		2.3	J	3.4	J	0.29	U	0.073	J
7440-47-3	Chromium	E200.8	mg/kg	52.3		96.7	J	92	J	9.9		27.8	
7440-48-4	Cobalt	E200.8	mg/kg	2.34		8.9	J	8.1	J	0.66	J	0.98	
7440-50-8	Copper	E200.8	mg/kg	18.7						2.5	J	3.8	J
7439-92-1	Lead	E200.8	mg/kg	30.2								3.9	J
7439-96-5	Manganese	E200.8	mg/kg	183								36.5	
7440-02-0	Nickel	E200.8	mg/kg	15.9		31.1	J	33.3	J	2.5	J	4	J
7782-49-2	Selenium	E200.8	mg/kg	2		3.1	J	5.4	J	0.21	J	0.36	J
7440-22-4	Silver	E200.8	mg/kg	0.73		5.2	J	6	J	0.29	UJ	0.28	UJ
7440-28-0	Thallium	E200.8	mg/kg	100000		1.4	UJ	1.2	UJ	0.57	U	0.56	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548		67.4	J	51.2	J	26.6		30.1	
7440-66-6	Zinc	E200.8	mg/kg	124								26.9	J
7439-97-6	Mercury	E245.5	mg/kg	0.13		2.5	J	3.4	J	0.033	U	0.035	U

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					sys_loc_code:	C52		C57		C58		C59	
					loc_name:	Area-08		Area-08		Area-08		Area-08	
					sys_sample_code:	C52 12-24		C57 12-24		C58 12-24		C59 12-24	
					depth:	12-24 in		12-24 in		12-24 in		12-24 in	
					sample_date:	07/13/2009		07/13/2009		07/13/2009		07/13/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED									
7429-90-5	Aluminum	E200.7	mg/kg	7740		1300		13600	J	12000	J	1490	J
7440-38-2	Arsenic	E200.7	mg/kg	0.389		4.4	J	51	J	37.9	J	5.3	J
7440-70-2	Calcium	E200.7	mg/kg	NL		1770	J	3780	R	4390	R	354	R
7440-50-8	Copper	E200.7	mg/kg	18.7				289	J	278	J		
7439-89-6	Iron	E200.7	mg/kg	2000		14200	J	41900	J	35200	J	18100	J
7439-92-1	Lead	E200.7	mg/kg	30.2				1180	J	293	J	2.5	J
7439-95-4	Magnesium	E200.7	mg/kg	NL		485	J	7730	J	6120	J	521	J
7439-96-5	Manganese	E200.7	mg/kg	183		20.5	J	355	J	315	J	24.8	J
7440-09-7	Potassium	E200.7	mg/kg	NL		199	J	2940	J	2400	J	224	J
7440-23-5	Sodium	E200.7	mg/kg	NL		1520		14000	J	11100	J	1020	J
7440-66-6	Zinc	E200.7	mg/kg	124		12.3	J	543	J	448	J	13.5	J
7440-36-0	Antimony	E200.8	mg/kg	2		1.1	U	20.6	J	4.9	J	1.1	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389									
7440-39-3	Barium	E200.8	mg/kg	130.1		1.7	J	70.4	J	80.1	J	1.6	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6		0.35		1.2	J	1.2	J	0.29	
7440-43-9	Cadmium	E200.8	mg/kg	0.68		0.28	U	2.8	J	3.1	J	0.051	J
7440-47-3	Chromium	E200.8	mg/kg	52.3		11.1		95.2	J	108	J	13.3	
7440-48-4	Cobalt	E200.8	mg/kg	2.34		0.89	J	9.4	J	9.2	J	0.9	J
7440-50-8	Copper	E200.8	mg/kg	18.7		2.9						3.1	J
7439-92-1	Lead	E200.8	mg/kg	30.2		2.5							
7439-96-5	Manganese	E200.8	mg/kg	183									
7440-02-0	Nickel	E200.8	mg/kg	15.9		2.2		34.8	J	35.3	J	2.5	J
7782-49-2	Selenium	E200.8	mg/kg	2		0.15	J	2.3	J	3.2	J	0.26	J
7440-22-4	Silver	E200.8	mg/kg	0.73		0.28	UJ	4.8	J	5.6	J	0.28	UJ
7440-28-0	Thallium	E200.8	mg/kg	100000		0.55	U	1.4	UJ	1.3	UJ	0.57	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548		24.2		62	J	56.2	J	22.5	
7440-66-6	Zinc	E200.8	mg/kg	124									
7439-97-6	Mercury	E245.5	mg/kg	0.13		0.036	U	2.8	J	3	J	0.035	U

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Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 8 Sediment > 12

					sys_loc_code:	C61		C65		C66		C68	
					loc_name:	Area-08		Area-08		Area-08		Area-08	
					sys_sample_code:	C61 12-24		C65 12-24		C66 12-24		C68 12-24	
					depth:	12-24 in		12-24 in		12-24 in		12-24 in	
					sample_date:	07/10/2009		07/13/2009		07/13/2009		07/10/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED									
7429-90-5	Aluminum	E200.7	mg/kg	7740		2510		17500	J	2660		4040	
7440-38-2	Arsenic	E200.7	mg/kg	0.389				42.2	J	6.3			
7440-70-2	Calcium	E200.7	mg/kg	NL		6850		5800	J	1060		7690	
7440-50-8	Copper	E200.7	mg/kg	18.7									
7439-89-6	Iron	E200.7	mg/kg	2000		25300	J	44400	J	14700		30600	J
7439-92-1	Lead	E200.7	mg/kg	30.2				416	J	3.8			
7439-95-4	Magnesium	E200.7	mg/kg	NL		920	J	7730	J	956		1260	J
7439-96-5	Manganese	E200.7	mg/kg	183				394	J	54.6			
7440-09-7	Potassium	E200.7	mg/kg	NL		422	J	3380	J	455	J	558	J
7440-23-5	Sodium	E200.7	mg/kg	NL		1540		12600	J	1480		1710	
7440-66-6	Zinc	E200.7	mg/kg	124				502	J	18.3			
7440-36-0	Antimony	E200.8	mg/kg	2		1.2	U	6.7	J	1.2	U	1.2	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389		6.8	J					8	J
7440-39-3	Barium	E200.8	mg/kg	130.1		3.5	J	87	J	3.5	J	3.8	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6		0.66		1.2	J	0.31		0.75	
7440-43-9	Cadmium	E200.8	mg/kg	0.68		0.29	U	3	J	0.3	U	0.29	U
7440-47-3	Chromium	E200.8	mg/kg	52.3		29.1	J	106	J	14.3		33.9	J
7440-48-4	Cobalt	E200.8	mg/kg	2.34		1.7		9.1	J	1.6	J	1.9	
7440-50-8	Copper	E200.8	mg/kg	18.7		4.4	J	276	J	3.7		6.4	
7439-92-1	Lead	E200.8	mg/kg	30.2		5.7	J					7.5	J
7439-96-5	Manganese	E200.8	mg/kg	183		55.7	J					59.7	J
7440-02-0	Nickel	E200.8	mg/kg	15.9		4.3		32.3	J	3.1	J	6.1	
7782-49-2	Selenium	E200.8	mg/kg	2		0.58	U	3	J	0.21	J	0.49	J
7440-22-4	Silver	E200.8	mg/kg	0.73		0.29	U	5.6	J	0.3	UJ	0.29	U
7440-28-0	Thallium	E200.8	mg/kg	100000		0.58	U	2.7	UJ	0.59	U	0.58	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548		39.7	J	54.6	J	30.4	J	43.6	J
7440-66-6	Zinc	E200.8	mg/kg	124		20.9	J					38.6	
7439-97-6	Mercury	E245.5	mg/kg	0.13		0.035	U	2.5	J	0.035	U	0.055	

R2-0001619

Raritan Bay Slag Superfund Site
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Data Gap Technical Memorandum
Area 8 Sediment > 12

					sys_loc_code:	C7		C77		C78		C8	
					loc_name:	Area-08		Area-08		Area-08		Area-08	
					sys_sample_code:	C07 12-24		C77 12-24		C78 12-24		C8 12-24	
					depth:	12-24 in		12-24 in		12-24 in		12-24 in	
					sample_date:	07/23/2009		07/13/2009		07/13/2009		07/10/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED									
7429-90-5	Aluminum	E200.7	mg/kg	7740		13800	J	1500		3220		9490	J
7440-38-2	Arsenic	E200.7	mg/kg	0.389				3.3		5.5			
7440-70-2	Calcium	E200.7	mg/kg	NL		3040	J	461	J	367	J	2450	J
7440-50-8	Copper	E200.7	mg/kg	18.7									
7439-89-6	Iron	E200.7	mg/kg	2000		32600	J	9890		22500		26800	J
7439-92-1	Lead	E200.7	mg/kg	30.2						3.3			
7439-95-4	Magnesium	E200.7	mg/kg	NL		5530	J	499		1120		4260	J
7439-96-5	Manganese	E200.7	mg/kg	183				21.1		44.4			
7440-09-7	Potassium	E200.7	mg/kg	NL		2590	J	265	J	511		1890	J
7440-23-5	Sodium	E200.7	mg/kg	NL		8940	J	1950		1820		6930	J
7440-66-6	Zinc	E200.7	mg/kg	124						19.5			
7440-36-0	Antimony	E200.8	mg/kg	2		8.3	J	1.1	U	1.1	U	4	
7440-38-2	Arsenic	E200.8	mg/kg	0.389		37.8	J					29.3	J
7440-39-3	Barium	E200.8	mg/kg	130.1		60.8	J	2	J	4.3	J	42.7	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6		1	J	0.29	U	0.28	U	0.89	
7440-43-9	Cadmium	E200.8	mg/kg	0.68		2.6	J	0.29	U	0.28	U	2.2	
7440-47-3	Chromium	E200.8	mg/kg	52.3		94	J	5.4		10.5		68.1	
7440-48-4	Cobalt	E200.8	mg/kg	2.34		8.6	J	0.64	J	1.6	J	6.9	
7440-50-8	Copper	E200.8	mg/kg	18.7		235	J	1.6		2.8		181	
7439-92-1	Lead	E200.8	mg/kg	30.2		458	J	1.9				235	
7439-96-5	Manganese	E200.8	mg/kg	183		327	J					217	
7440-02-0	Nickel	E200.8	mg/kg	15.9		31.7	J	1.4	J	3.6	J	24.3	
7782-49-2	Selenium	E200.8	mg/kg	2		3.1	J	0.16	J	0.19	J	2.3	J
7440-22-4	Silver	E200.8	mg/kg	0.73		3.9	J	0.29	UJ	0.28	UJ	3.1	J
7440-28-0	Thallium	E200.8	mg/kg	100000		1.1	UJ	0.57	U	0.56	U	0.98	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548		58	J	13.6	J	18	J	51.6	
7440-66-6	Zinc	E200.8	mg/kg	124		395	J	11.9				334	
7439-97-6	Mercury	E245.5	mg/kg	0.13		2.4	J	0.038	U	0.037	U	1.7	

R2-0001620

Raritan Bay Slag Superfund Site
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Area 8 Sediment > 12

				sys_loc_code:	C9		C1		C17		C18	
				loc_name:	Area-08		Area-08		Area-08		Area-08	
				sys_sample_code:	C9 12-24		C1 24-36		C17 24-36		C18 24-36	
				depth:	12-24 in		24-36 in		24-36 in		24-36 in	
				sample_date:	07/09/2009		07/10/2009		07/10/2009		07/10/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	E200.7	mg/kg	7740	3190				7710	J	4520	J
7440-38-2	Arsenic	E200.7	mg/kg	0.389	16.9	J						
7440-70-2	Calcium	E200.7	mg/kg	NL	2200				2050	J	12900	
7440-50-8	Copper	E200.7	mg/kg	18.7	135	J						
7439-89-6	Iron	E200.7	mg/kg	2000	13700	J			20700	J	48600	J
7439-92-1	Lead	E200.7	mg/kg	30.2	153	J						
7439-95-4	Magnesium	E200.7	mg/kg	NL	1650	J			3260	J	932	
7439-96-5	Manganese	E200.7	mg/kg	183	60.2							
7440-09-7	Potassium	E200.7	mg/kg	NL	606	J			1500	J	603	U
7440-23-5	Sodium	E200.7	mg/kg	NL	1570	J			5680	J	1530	
7440-66-6	Zinc	E200.7	mg/kg	124	152	J						
7440-36-0	Antimony	E200.8	mg/kg	2	1.8		23.8	J	2.6		1.2	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389			47.4	J	25.1	J	3.2	J
7440-39-3	Barium	E200.8	mg/kg	130.1	22.3		54.6	J	40.2	J	2.2	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.63		0.99	J	0.65		0.41	J
7440-43-9	Cadmium	E200.8	mg/kg	0.68	1.6		3.4	J	2.1		0.3	U
7440-47-3	Chromium	E200.8	mg/kg	52.3	29.4	J	83.9	J	62.7		17	J
7440-48-4	Cobalt	E200.8	mg/kg	2.34	3.2	J	8.3	J	5.2		1.2	
7440-50-8	Copper	E200.8	mg/kg	18.7			244	J	195		3.2	J
7439-92-1	Lead	E200.8	mg/kg	30.2			1310	J	178		2.8	
7439-96-5	Manganese	E200.8	mg/kg	183			264	J	140		39.6	J
7440-02-0	Nickel	E200.8	mg/kg	15.9	13.2	J	30.6	J	20.6		2.7	
7782-49-2	Selenium	E200.8	mg/kg	2	2.4	J	2.3	J	2.5	J	0.6	U
7440-22-4	Silver	E200.8	mg/kg	0.73	1.4	J	3.9	J	2.9	J	0.3	U
7440-28-0	Thallium	E200.8	mg/kg	100000	0.68	U	1.2	UJ	0.9	U	0.6	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	32.7	J	56.8	J	35.8		26.9	J
7440-66-6	Zinc	E200.8	mg/kg	124			485	J	277		18.2	
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.34		2.6	J	1.5		0.036	U

R2-0001621

				sys_loc_code:	C8	
				loc_name:	Area-08	
				sys_sample_code:	C8 24-36	
				depth:	24-36 in	
				sample_date:	07/10/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED		
7429-90-5	Aluminum	E200.7	mg/kg	7740	11800	J
7440-38-2	Arsenic	E200.7	mg/kg	0.389		
7440-70-2	Calcium	E200.7	mg/kg	NL	3310	J
7440-50-8	Copper	E200.7	mg/kg	18.7		
7439-89-6	Iron	E200.7	mg/kg	2000	31400	J
7439-92-1	Lead	E200.7	mg/kg	30.2		
7439-95-4	Magnesium	E200.7	mg/kg	NL	4940	J
7439-96-5	Manganese	E200.7	mg/kg	183		
7440-09-7	Potassium	E200.7	mg/kg	NL	2100	J
7440-23-5	Sodium	E200.7	mg/kg	NL	7340	J
7440-66-6	Zinc	E200.7	mg/kg	124		
7440-36-0	Antimony	E200.8	mg/kg	2	5.3	J
7440-38-2	Arsenic	E200.8	mg/kg	0.389	40.6	J
7440-39-3	Barium	E200.8	mg/kg	130.1	64.3	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6	1.2	J
7440-43-9	Cadmium	E200.8	mg/kg	0.68	1.9	J
7440-47-3	Chromium	E200.8	mg/kg	52.3	99.4	J
7440-48-4	Cobalt	E200.8	mg/kg	2.34	9.1	J
7440-50-8	Copper	E200.8	mg/kg	18.7	254	J
7439-92-1	Lead	E200.8	mg/kg	30.2	327	J
7439-96-5	Manganese	E200.8	mg/kg	183	344	J
7440-02-0	Nickel	E200.8	mg/kg	15.9	32.3	J
7782-49-2	Selenium	E200.8	mg/kg	2	3.1	J
7440-22-4	Silver	E200.8	mg/kg	0.73	3.9	J
7440-28-0	Thallium	E200.8	mg/kg	100000	1	UJ
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	63.4	J
7440-66-6	Zinc	E200.8	mg/kg	124	348	J
7439-97-6	Mercury	E245.5	mg/kg	0.13	2.1	J

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Data Gap Technical Memorandum
Area 8 Surface Soils

				sys_loc_code:	S07		S59		S60		S94	
				loc_name:	Area-08		Area-08		Area-08		Area-08	
				depth:	0-2 in		0-2 in		0-2 in		0-2 in	
				sys_sample_code:	RBS-S07A		RBS-S59A		RBS-S60A		RBS-S94	
				sample_date:	09/15/2008		09/15/2008		09/15/2008		09/15/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-Soil								
7429-90-5	Aluminum	C200.7	mg/kg	3900	3090		1500		3830		3920	
7440-36-0	Antimony	C200.7	mg/kg	0.142	815		67.5		616		23.5	
7440-38-2	Arsenic	C200.7	mg/kg	0.389	1520	J	103	J	198	J	30.6	J
7440-39-3	Barium	C200.7	mg/kg	1.04	265		75		573		35.9	
7440-41-7	Beryllium	C200.7	mg/kg	0.5	0.55	U	0.67	U	0.62	U	0.54	
7440-43-9	Cadmium	C200.7	mg/kg	0.00222	14.9	R	0.67	R	1.2	R	0.53	R
7440-70-2	Calcium	C200.7	mg/kg	995	2620		1290		4640		7910	
7440-47-3	Chromium	C200.7	mg/kg	0.4	30.8		11.4		30.2		71.7	
7440-48-4	Cobalt	C200.7	mg/kg	0.14	17.8		6.7	U	6.2	U	5.1	U
7440-50-8	Copper	C200.7	mg/kg	5.4	2820		183		340		315	
7439-89-6	Iron	C200.7	mg/kg	5480	117000	J	15700	J	49200	J	32600	J
7439-92-1	Lead	C200.7	mg/kg	0.0537	54800		2390		14200		969	
7439-95-4	Magnesium	C200.7	mg/kg	673	1760		975		1360		1240	
7439-96-5	Manganese	C200.7	mg/kg	42	438	J	130	J	896	J	126	J
7440-02-0	Nickel	C200.7	mg/kg	12.3	98.8	J	9.9	J	21.9	J	8.6	J
7440-09-7	Potassium	C200.7	mg/kg	1750	347	J	306	J	866		357	J
7782-49-2	Selenium	C200.7	mg/kg	0.0276	3.9	UJ	0.85	J	1.5	J	3.6	UJ
7440-22-4	Silver	C200.7	mg/kg	1	1.3	J	0.26	J	0.65	J	0.17	J
7440-23-5	Sodium	C200.7	mg/kg	NL	1410		2530		1510		172	J
7440-28-0	Thallium	C200.7	mg/kg	0.0569	2.8	UJ	3.4	UJ	3.1	UJ	2.6	UJ
7440-31-5	Tin	C200.7	mg/kg	NL	824		47.3		335		20.2	
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548	25.1		16.5		37.2		67.2	
7440-66-6	Zinc	C200.7	mg/kg	6.62	1260	J	113	J	1670	J	115	J

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				sys_loc_code:	S95		S96		S97		S98	
				loc_name:	Area-08		Area-08		Area-08		Area-08	
				depth:	0-2 in		0-2 in		0-2 in		0-2 in	
				sys_sample_code:	RBS-S95		RBS-S96		RBS-S97		RBS-S98	
				sample_date:	09/15/2008		09/15/2008		09/15/2008		09/15/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-Soil								
7429-90-5	Aluminum	C200.7	mg/kg	3900	2600		8430		5070		13400	
7440-36-0	Antimony	C200.7	mg/kg	0.142	10.7		1870		1910		3120	
7440-38-2	Arsenic	C200.7	mg/kg	0.389	19.3	J	1150	J	797	J	2470	J
7440-39-3	Barium	C200.7	mg/kg	1.04	54.2		970		671		961	
7440-41-7	Beryllium	C200.7	mg/kg	0.5	0.52	U	0.55	U	0.54	U	0.53	U
7440-43-9	Cadmium	C200.7	mg/kg	0.00222	0.52	R	4.7	R	54	R	38.3	R
7440-70-2	Calcium	C200.7	mg/kg	995	3330		7180		4960		10800	
7440-47-3	Chromium	C200.7	mg/kg	0.4	38.9		50.6		29.6		38.6	
7440-48-4	Cobalt	C200.7	mg/kg	0.14	5.2	U	6.9		14.4		24.1	
7440-50-8	Copper	C200.7	mg/kg	5.4	175		1570		1850		4630	
7439-89-6	Iron	C200.7	mg/kg	5480	33100	J	118000	J	57900	J	183000	J
7439-92-1	Lead	C200.7	mg/kg	0.0537	231		65600		198000		83800	
7439-95-4	Magnesium	C200.7	mg/kg	673	1040		1510		1820		1900	
7439-96-5	Manganese	C200.7	mg/kg	42	138	J	870	J	695	J	1420	J
7440-02-0	Nickel	C200.7	mg/kg	12.3	5.3	J	54.9	J	174	J	268	J
7440-09-7	Potassium	C200.7	mg/kg	1750	231	J	938		502	J	1440	
7782-49-2	Selenium	C200.7	mg/kg	0.0276	3.6	UJ	3.8	UJ	4.5	J	0.5	J
7440-22-4	Silver	C200.7	mg/kg	1	0.19	J	4.5	J	3.8	J	3.3	J
7440-23-5	Sodium	C200.7	mg/kg	NL	96.4	J	4050		1940		6220	
7440-28-0	Thallium	C200.7	mg/kg	0.0569	2.6	UJ	2.7	UJ	1.7	J	2.6	UJ
7440-31-5	Tin	C200.7	mg/kg	NL	10.7		1900		1310		3580	
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548	43.9		64.1		26.8		62.5	
7440-66-6	Zinc	C200.7	mg/kg	6.62	103	J	834	J	1490	J	2700	J

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				sys_loc_code:	S07		S59		S07		
				loc_name:	Area-08		Area-08		Area-08		
				depth:	6-12 in		6-12 in		12-18 in		
				sys_sample_code:	RBS-S07B		RBS-S59B		RBS-S07C		
				sample_date:	09/15/2008		09/15/2008		09/15/2008		
cas_rn	chemical_name	analytic_method	result_unit	Raritan-Soil							
7429-90-5	Aluminum	C200.7	mg/kg	3900	7010		5340		6410		
7440-36-0	Antimony	C200.7	mg/kg	0.142	6.8	U	419		6.8	U	
7440-38-2	Arsenic	C200.7	mg/kg	0.389	15.4	J	228	J	7.5	J	
7440-39-3	Barium	C200.7	mg/kg	1.04	67.1		79		61.9		
7440-41-7	Beryllium	C200.7	mg/kg	0.5	0.57	U	0.67	U	0.57	U	
7440-43-9	Cadmium	C200.7	mg/kg	0.00222	3.5	R	1.2	R	0.88	R	
7440-70-2	Calcium	C200.7	mg/kg	995	3350		3280		2370		
7440-47-3	Chromium	C200.7	mg/kg	0.4	14		20.3		13.1		
7440-48-4	Cobalt	C200.7	mg/kg	0.14	5.7	U	8.2		5.7	U	
7440-50-8	Copper	C200.7	mg/kg	5.4	76.6		489		34.4		
7439-89-6	Iron	C200.7	mg/kg	5480	19000	J	32200	J	14300	J	
7439-92-1	Lead	C200.7	mg/kg	0.0537	731		21500		172		
7439-95-4	Magnesium	C200.7	mg/kg	673	2530		4550		2210		
7439-96-5	Manganese	C200.7	mg/kg	42	354	J	332	J	225	J	
7440-02-0	Nickel	C200.7	mg/kg	12.3	14	J	21.8	J	11.4	J	
7440-09-7	Potassium	C200.7	mg/kg	1750	1010		855		887		
7782-49-2	Selenium	C200.7	mg/kg	0.0276	4	UJ	1.8	J	4	UJ	
7440-22-4	Silver	C200.7	mg/kg	1	0.41	J	0.63	J	0.27	J	
7440-23-5	Sodium	C200.7	mg/kg	NL	1370		2410		1100		
7440-28-0	Thallium	C200.7	mg/kg	0.0569	2.8	UJ	3.3	UJ	2.8	UJ	
7440-31-5	Tin	C200.7	mg/kg	NL	11.4	U	207		11.4	U	
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548	22.2		36.2		20.1		
7440-66-6	Zinc	C200.7	mg/kg	6.62	664	J	266	J	232	J	

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Area 9

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Data Gap Technical Memorandum
Area 9 Sediment < 12

				sys_loc_code:	SED159		SED160		SED161		SED162	
				loc_name:	Area-09		Area-09		Area-09		Area-09	
				sys_sample_code:	RBS-SED159		RBS-SED160		RBS-SED161		RBS-SED162	
				depth:	0-3 in		0-3 in		0-3 in		0-3 in	
				sample_date:	04/22/2009		04/22/2009		04/22/2009		04/22/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	C200.7	mg/kg	7740	712		1090		2280		1640	
7440-36-0	Antimony	C200.7	mg/kg	2	7.2	U	7	U	7.2	U	7	U
7440-38-2	Arsenic	C200.7	mg/kg	0.389	3.6	J	5.2	J	9.5	J	9.2	J
7440-39-3	Barium	C200.7	mg/kg	130.1	24	UJ	23.3	UJ	24.1	UJ	23.4	UJ
7440-41-7	Beryllium	C200.7	mg/kg	15.6	0.6	U	0.58	U	0.6	U	0.59	U
7440-43-9	Cadmium	C200.7	mg/kg	0.68	0.6	U	0.58	U	0.6	U	0.59	U
7440-70-2	Calcium	C200.7	mg/kg	NL	601	U	583	U	2180		586	U
7440-47-3	Chromium	C200.7	mg/kg	52.3	5.3	J	14.7	J	30.3	J	18.2	J
7440-48-4	Cobalt	C200.7	mg/kg	2.34	6	U	5.8	U	6	U	5.9	U
7440-50-8	Copper	C200.7	mg/kg	18.7	1.1	J	10.5		7		6.5	
7439-89-6	Iron	C200.7	mg/kg	2000	9680	J	18900	J	45100	J	32900	J
7439-92-1	Lead	C200.7	mg/kg	30.2	3.5	R	8.4		6.7		14.1	
7439-95-4	Magnesium	C200.7	mg/kg	NL	402	J	336	J	676		480	J
7439-96-5	Manganese	C200.7	mg/kg	183	25.1	J	31.4	J	49.4	J	33.8	J
7440-02-0	Nickel	C200.7	mg/kg	15.9	0.62	J	2.8	J	3.6	J	1.4	J
7440-09-7	Potassium	C200.7	mg/kg	NL	601	U	583	U	602	U	586	U
7782-49-2	Selenium	C200.7	mg/kg	2	0.43	J	0.53	J	0.49	J	0.44	J
7440-22-4	Silver	C200.7	mg/kg	0.73	1.1	J	2.1	J	5	J	3.6	J
7440-23-5	Sodium	C200.7	mg/kg	NL	1340		1090		1170		731	
7440-28-0	Thallium	C200.7	mg/kg	100000	3	U	2.9	U	3	U	2.9	U
7440-31-5	Tin	C200.7	mg/kg	NL								
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548	13.5	J	22.5	J	42.5	J	37.1	J
7440-66-6	Zinc	C200.7	mg/kg	124	13	J	82.4	J	49.4	J	33.2	J
7439-97-6	Mercury	E245.5	mg/kg	0.13								

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Data Gap Technical Memorandum
Area 9 Sediment < 12

				sys_loc_code:	SED163		SED164		SED165		SED166	
				loc_name:	Area-09		Area-09		Area-09		Area-09	
				sys_sample_code:	RBS-SED163		RBS-SED164		RBS-SED165		RBS-SED166	
				depth:	0-3 in		0-3 in		0-3 in		0-3 in	
				sample_date:	04/22/2009		04/22/2009		04/22/2009		04/22/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	C200.7	mg/kg	7740	792		1030		2510		863	
7440-36-0	Antimony	C200.7	mg/kg	2	6.8	U	6.6	U	6.3	U	7	U
7440-38-2	Arsenic	C200.7	mg/kg	0.389	4.7	J	4.5	J	12	J	7.1	J
7440-39-3	Barium	C200.7	mg/kg	130.1	22.8	UJ	22	UJ	21.1	UJ	23.3	UJ
7440-41-7	Beryllium	C200.7	mg/kg	15.6	0.57	U	0.55	U	0.53	U	0.58	U
7440-43-9	Cadmium	C200.7	mg/kg	0.68	0.57	U	0.55	U	0.53	U	0.58	U
7440-70-2	Calcium	C200.7	mg/kg	NL	691		549	U	528	U	583	U
7440-47-3	Chromium	C200.7	mg/kg	52.3	15.8	J	12.2	J	37.6	J	8.9	J
7440-48-4	Cobalt	C200.7	mg/kg	2.34	5.7	U	5.5	U	5.3	U	5.8	U
7440-50-8	Copper	C200.7	mg/kg	18.7	12.1		2.8		8.4		1.9	J
7439-89-6	Iron	C200.7	mg/kg	2000	13600	J	14700	J	52600	J	17200	J
7439-92-1	Lead	C200.7	mg/kg	30.2	3.4	R	3.7	R	7.8		5.2	R
7439-95-4	Magnesium	C200.7	mg/kg	NL	245	J	641		521	J	266	J
7439-96-5	Manganese	C200.7	mg/kg	183	28.4	J	27.3	J	66.9	J	36	J
7440-02-0	Nickel	C200.7	mg/kg	15.9	0.71	J	1.2	J	2.2	J	0.85	J
7440-09-7	Potassium	C200.7	mg/kg	NL	570	U	549	U	528	U	583	U
7782-49-2	Selenium	C200.7	mg/kg	2	0.47	J	0.38	J	0.57	J	0.48	J
7440-22-4	Silver	C200.7	mg/kg	0.73	1.5	J	1.6	J	5.6	J	1.9	J
7440-23-5	Sodium	C200.7	mg/kg	NL	610		665		528	U	820	
7440-28-0	Thallium	C200.7	mg/kg	100000	2.9	U	2.7	U	2.6	U	2.9	U
7440-31-5	Tin	C200.7	mg/kg	NL								
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548	13.8	J	26.3	J	51.4	J	18.9	J
7440-66-6	Zinc	C200.7	mg/kg	124	23.6	J	18.3	J	51.3	J	21.1	J
7439-97-6	Mercury	E245.5	mg/kg	0.13								

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Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 9 Sediment < 12

				sys_loc_code:	SED167		SED168		SED169		SED170					
				loc_name:	Area-09		Area-09		Area-09		Area-09					
				sys_sample_code:	RBS-SED167		RBS-SED168		RBS-SED169		RBS-SED170					
				depth:	0-3 in		0-3 in		0-3 in		0-3 in					
				sample_date:	04/22/2009		04/22/2009		04/22/2009		04/22/2009					
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED												
7429-90-5	Aluminum	C200.7	mg/kg	7740	2400		1910		664		1920					
7440-36-0	Antimony	C200.7	mg/kg	2	6.4	U	6.4	U	7.1	U	6.7	U				
7440-38-2	Arsenic	C200.7	mg/kg	0.389	12.3	J	7.5	J	3.6	J	6.3	J				
7440-39-3	Barium	C200.7	mg/kg	130.1	21.3	UJ	21.3	UJ	23.6	UJ	22.4	UJ				
7440-41-7	Beryllium	C200.7	mg/kg	15.6	0.57		0.53	U	0.59	U	0.56	U				
7440-43-9	Cadmium	C200.7	mg/kg	0.68	0.53	U	0.53	U	0.59	U	0.56	U				
7440-70-2	Calcium	C200.7	mg/kg	NL	533	U	1590		591	U	1070					
7440-47-3	Chromium	C200.7	mg/kg	52.3	20.9	J	14.7	J	7.5	J	11.5	J				
7440-48-4	Cobalt	C200.7	mg/kg	2.34	5.3	U	5.3	U	5.9	U	5.6	U				
7440-50-8	Copper	C200.7	mg/kg	18.7	4.1		27.1		2.9	J	8.6					
7439-89-6	Iron	C200.7	mg/kg	2000	46800	J	32000	J	14700	J	35200	J				
7439-92-1	Lead	C200.7	mg/kg	30.2	6.3		9.1		3	R	6.2					
7439-95-4	Magnesium	C200.7	mg/kg	NL	438	J	700		264	J	372	J				
7439-96-5	Manganese	C200.7	mg/kg	183	108	J	64.1	J	55	J	44.4	J				
7440-02-0	Nickel	C200.7	mg/kg	15.9	1.5	J	2.7	J	1	J	0.45	J				
7440-09-7	Potassium	C200.7	mg/kg	NL	533	U	533	U	591	U	559	U				
7782-49-2	Selenium	C200.7	mg/kg	2	0.55	J	0.55	J	0.43	J	0.56	J				
7440-22-4	Silver	C200.7	mg/kg	0.73	5.2	J	3.6	J	1.7	J	4.1	J				
7440-23-5	Sodium	C200.7	mg/kg	NL	533	U	533	U	742		571					
7440-28-0	Thallium	C200.7	mg/kg	100000	2.7	U	2.7	U	3	U	2.8	U				
7440-31-5	Tin	C200.7	mg/kg	NL												
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548	47.1	J	29.5	J	15	J	60.9	J				
7440-66-6	Zinc	C200.7	mg/kg	124	44.2	J	34.3	J	16.1	J	23.7	J				
7439-97-6	Mercury	E245.5	mg/kg	0.13												

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Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 9 Sediment < 12

				sys_loc_code:	SED171		SED172		SED174		SED175	
				loc_name:	Area-09		Area-09		Area-09		Area-09	
				sys_sample_code:	RBS-SED171		RBS-SED172		RBS-SED174		RBS-SED175	
				depth:	0-3 in		0-3 in		0-3 in		0-3 in	
				sample_date:	04/22/2009		04/22/2009		04/22/2009		04/22/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	C200.7	mg/kg	7740	1250		1300		1040		1850	
7440-36-0	Antimony	C200.7	mg/kg	2	7.2	U	6.4	U	6.4	U	7	U
7440-38-2	Arsenic	C200.7	mg/kg	0.389	5.4	J	7.2	J	8.1	J	8.8	J
7440-39-3	Barium	C200.7	mg/kg	130.1	23.8	UJ	21.3	UJ	21.3	UJ	23.4	UJ
7440-41-7	Beryllium	C200.7	mg/kg	15.6	0.6	U	0.53	U	0.53	U	0.58	U
7440-43-9	Cadmium	C200.7	mg/kg	0.68	0.6	U	0.53	U	0.53	U	0.58	U
7440-70-2	Calcium	C200.7	mg/kg	NL	965		281	J	646		254	J
7440-47-3	Chromium	C200.7	mg/kg	52.3	22.7	J	13.3	J	9.6	J	20.2	J
7440-48-4	Cobalt	C200.7	mg/kg	2.34	6	U	5.3	U	5.3	U	5.8	U
7440-50-8	Copper	C200.7	mg/kg	18.7	6.3		2.6	J	18.6		2.8	J
7439-89-6	Iron	C200.7	mg/kg	2000	19800	J	21800	J	21000	J	38900	J
7439-92-1	Lead	C200.7	mg/kg	30.2	4.5	R	5.6		16.3		7	
7439-95-4	Magnesium	C200.7	mg/kg	NL	371	J	231	J	239	J	398	J
7439-96-5	Manganese	C200.7	mg/kg	183	51.8	J	44.6	J	31.7	J	48.2	J
7440-02-0	Nickel	C200.7	mg/kg	15.9	1.4	J	1.5	J	0.49	J	1.3	J
7440-09-7	Potassium	C200.7	mg/kg	NL	596	U	533	U	533	U	585	U
7782-49-2	Selenium	C200.7	mg/kg	2	0.48	J	3.7	U	0.42	J	0.53	J
7440-22-4	Silver	C200.7	mg/kg	0.73	2.3	J	2.5	J	2.4	J	4.5	J
7440-23-5	Sodium	C200.7	mg/kg	NL	1060		533	U	533	U	585	U
7440-28-0	Thallium	C200.7	mg/kg	100000	3	U	2.7	U	2.7	U	2.9	U
7440-31-5	Tin	C200.7	mg/kg	NL								
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548	21.8	J	20.4	J	20.5	J	39	J
7440-66-6	Zinc	C200.7	mg/kg	124	37.2	J	29.3	J	21.8	J	45.9	J
7439-97-6	Mercury	E245.5	mg/kg	0.13								

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Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 9 Sediment < 12

				sys_loc_code:	SED176		SED195		SED198		SED199	
				loc_name:	Area-09		Area-09		Area-09		Area-09	
				sys_sample_code:	RBS-SED176		RBS-SED195		RBS-SED198		RBS-SED199	
				depth:	0-3 in		0-3 in		0-3 in		0-3 in	
				sample_date:	04/22/2009		04/23/2009		04/22/2009		04/22/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	C200.7	mg/kg	7740	2040		1530		3020	J	302	J
7440-36-0	Antimony	C200.7	mg/kg	2	6.3	U	7.5	U	7.7	UJ	7.1	UJ
7440-38-2	Arsenic	C200.7	mg/kg	0.389	9.5	J	13.5		7.8		1.3	
7440-39-3	Barium	C200.7	mg/kg	130.1	20.8	UJ	14.6	J	25.5	UJ	23.6	UJ
7440-41-7	Beryllium	C200.7	mg/kg	15.6	0.57		0.63	U	0.58	J	0.034	J
7440-43-9	Cadmium	C200.7	mg/kg	0.68	0.52	U	1.3		0.64	U	0.59	U
7440-70-2	Calcium	C200.7	mg/kg	NL	1620		13800		414	J	95.4	J
7440-47-3	Chromium	C200.7	mg/kg	52.3	34.7	J	28.5	J	39.8	J	1.9	J
7440-48-4	Cobalt	C200.7	mg/kg	2.34	5.2	U	8.2		6.4	U	5.9	U
7440-50-8	Copper	C200.7	mg/kg	18.7	20.9		7.4	J	8.3		1.2	J
7439-89-6	Iron	C200.7	mg/kg	2000	44400	J	20800		77000	J	3940	J
7439-92-1	Lead	C200.7	mg/kg	30.2	9.1		10.3	J	18.3	R	2.8	R
7439-95-4	Magnesium	C200.7	mg/kg	NL	417	J	627	U	729		223	J
7439-96-5	Manganese	C200.7	mg/kg	183	66.7	J	25.2	J	121	J	15.7	J
7440-02-0	Nickel	C200.7	mg/kg	15.9	1.6	J	23.8		4.4	J	0.39	J
7440-09-7	Potassium	C200.7	mg/kg	NL	521	U	627	UJ	639	U	590	U
7782-49-2	Selenium	C200.7	mg/kg	2	0.63	J	1.8	J	0.67	J	4.1	U
7440-22-4	Silver	C200.7	mg/kg	0.73	4.9	J	1.2	U	15.6	J	0.79	J
7440-23-5	Sodium	C200.7	mg/kg	NL	521	U	1710		1620		1230	
7440-28-0	Thallium	C200.7	mg/kg	100000	2.6	U	3	UJ	3.2	U	3	U
7440-31-5	Tin	C200.7	mg/kg	NL								
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548	44.5	J	26	J	43	J	5.9	UJ
7440-66-6	Zinc	C200.7	mg/kg	124	42.8	J	109	J	51.2	J	7.2	J
7439-97-6	Mercury	E245.5	mg/kg	0.13								

R2-0001631

Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 9 Sediment < 12

				sys_loc_code:	SED206		SED65		SED67		SED68	
				loc_name:	Area-09		Area-09		Area-09		Area-09	
				sys_sample_code:	RBS-SED206		RBS-SED65		RBS-SED67		RBS-SED68	
				depth:	0-3 in		0-3 in		0-3 in		0-3 in	
				sample_date:	04/22/2009		09/10/2008		09/10/2008		09/10/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	C200.7	mg/kg	7740	1670	J	731	J	12400	J	3780	J
7440-36-0	Antimony	C200.7	mg/kg	2	6.5	UJ	0.63	J	2.1	J	0.72	J
7440-38-2	Arsenic	C200.7	mg/kg	0.389	6.5		2.8		16.1	J	6.9	J
7440-39-3	Barium	C200.7	mg/kg	130.1	21.8	UJ	1.4	J	36.2	J	14	J
7440-41-7	Beryllium	C200.7	mg/kg	15.6	0.2	J	0.036	J	0.61	J	0.19	J
7440-43-9	Cadmium	C200.7	mg/kg	0.68	0.54	U	0.64	UJ	1.1	UJ	1.1	UJ
7440-70-2	Calcium	C200.7	mg/kg	NL	1150		636	UJ	1120	UJ	1080	UJ
7440-47-3	Chromium	C200.7	mg/kg	52.3	14	J	4.4	J	34.6	J	15.3	J
7440-48-4	Cobalt	C200.7	mg/kg	2.34	5.4	U	0.16	J	2	J	2	J
7440-50-8	Copper	C200.7	mg/kg	18.7	14.1		3.7	J	53.8	J	62.7	J
7439-89-6	Iron	C200.7	mg/kg	2000	25200	J	9460	J	34600	J	12400	J
7439-92-1	Lead	C200.7	mg/kg	30.2	90	R	23.8	J	279	J	79.4	J
7439-95-4	Magnesium	C200.7	mg/kg	NL	381	J	260	J	1690	J	1220	J
7439-96-5	Manganese	C200.7	mg/kg	183	130	J	21.5	J	42.3	J	87.1	J
7440-02-0	Nickel	C200.7	mg/kg	15.9	1.3	J	0.67	J	6.4	J	26.3	J
7440-09-7	Potassium	C200.7	mg/kg	NL	544	U	132	J	1460	J	690	J
7782-49-2	Selenium	C200.7	mg/kg	2	0.38	J	0.7	J	2.2	J	1.2	J
7440-22-4	Silver	C200.7	mg/kg	0.73	5.3	J	0.24	J	0.27	J	0.61	J
7440-23-5	Sodium	C200.7	mg/kg	NL	544	U	636	UJ	3530	J	1080	UJ
7440-28-0	Thallium	C200.7	mg/kg	100000	2.7	U	3.2	U	5.6	UJ	5.4	UJ
7440-31-5	Tin	C200.7	mg/kg	NL			12.7	UJ	22.4	UJ	21.5	UJ
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548	22.4	J	13	J	56.3	J	21.3	J
7440-66-6	Zinc	C200.7	mg/kg	124	41.3	J	24.3	J	43.7	J	45.6	J
7439-97-6	Mercury	E245.5	mg/kg	0.13								

R2-0001632

Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 9 Sediment < 12

				sys_loc_code:	A1		A1	
				loc_name:	Area-09		Area-09	
				sys_sample_code:	A1 0-6		A1 0-12	
				depth:	0-6 in		12-24 in	
				sample_date:	07/01/2009		07/01/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED				
7429-90-5	Aluminum	C200.7	mg/kg	7740	1300	J	1070	J
7440-36-0	Antimony	C200.7	mg/kg	2	1	U	1.6	
7440-38-2	Arsenic	C200.7	mg/kg	0.389	9.5	J	8.8	J
7440-39-3	Barium	C200.7	mg/kg	130.1	5	UJ	5.4	UJ
7440-41-7	Beryllium	C200.7	mg/kg	15.6	0.25	U	0.27	U
7440-43-9	Cadmium	C200.7	mg/kg	0.68	0.25	U	0.27	U
7440-70-2	Calcium	C200.7	mg/kg	NL	518	U	529	U
7440-47-3	Chromium	C200.7	mg/kg	52.3	8		15.9	
7440-48-4	Cobalt	C200.7	mg/kg	2.34	1	J	1.5	J
7440-50-8	Copper	C200.7	mg/kg	18.7	7.7	J	17.6	J
7439-89-6	Iron	C200.7	mg/kg	2000	27900	J	25700	J
7439-92-1	Lead	C200.7	mg/kg	30.2	16.7		40.3	
7439-95-4	Magnesium	C200.7	mg/kg	NL	373	J	325	J
7439-96-5	Manganese	C200.7	mg/kg	183	101	J	70.9	J
7440-02-0	Nickel	C200.7	mg/kg	15.9	1.8	J	5.3	J
7440-09-7	Potassium	C200.7	mg/kg	NL	108	J	102	J
7782-49-2	Selenium	C200.7	mg/kg	2	0.5	U	0.54	U
7440-22-4	Silver	C200.7	mg/kg	0.73	0.25	UJ	0.27	UJ
7440-23-5	Sodium	C200.7	mg/kg	NL	873		976	
7440-28-0	Thallium	C200.7	mg/kg	100000	0.5	U	0.54	U
7440-31-5	Tin	C200.7	mg/kg	NL				
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548	14		30.1	
7440-66-6	Zinc	C200.7	mg/kg	124	52		51	
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.034	U	0.034	U

R2-0001633

Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 9 Surface Water - Dissolved

				sys_loc_code:	SW17		SW19		SW20		SW38	
				loc_name:	Area-09		Area-09		Area-09		Area-09	
				sys_sample_code:	RBS-SW17D		RBS-SW19D		RBS-SW20D		RBS-SW38D	
				sample_date:	09/10/2008		09/10/2008		09/10/2008		04/22/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SW								
7429-90-5	Aluminum	C200.7	ug/l	87	200	U	2720		886		200	U
7440-36-0	Antimony	C200.7	ug/l	500	60	U	2.8	J	60	U	60	U
7440-38-2	Arsenic	C200.7	ug/l	12.5	10	U	13.6		10	U	5.4	J
7440-39-3	Barium	C200.7	ug/l	4	200	U	200	U	200	U	200	U
7440-41-7	Beryllium	C200.7	ug/l	0.66	5	U	5	U	5	U	5	U
7440-43-9	Cadmium	C200.7	ug/l	0.12	5	U	5	U	5	U	5	U
7440-70-2	Calcium	C200.7	ug/l	116000	27300		29500		28800		247000	J
7440-47-3	Chromium	C200.7	ug/l	57.5	10	U	5.4	J	1.3	J	10	U
7440-48-4	Cobalt	C200.7	ug/l	23	50	U	50	U	50	U	50	U
7440-50-8	Copper	C200.7	ug/l	3.1	2.2	J	43.5		9.1	J	0.74	J
7439-89-6	Iron	C200.7	ug/l	300	899		58500		4530		14.6	J
7439-92-1	Lead	C200.7	ug/l	8.1	10	UJ	282		28		10	U
7439-95-4	Magnesium	C200.7	ug/l	82000	40000		61300		39600		597000	J
7439-96-5	Manganese	C200.7	ug/l	120	200	J	693	J	335	J	80	J
7440-02-0	Nickel	C200.7	ug/l	8.2	40	U	40	U	40	U	1.5	J
7440-09-7	Potassium	C200.7	ug/l	53000	17900		28100		17400			
7782-49-2	Selenium	C200.7	ug/l	71	35	U	2.9	J	2.3	J	35	U
7440-22-4	Silver	C200.7	ug/l	0.23	10	U	10	U	10	U	10	U
7440-23-5	Sodium	C200.7	ug/l	680000	349000	R	575000	R	361000	R		
7440-28-0	Thallium	C200.7	ug/l	21.3	25	U	25	U	25	U	25	U
7440-31-5	Tin	C200.7	ug/l		100	U	100	U	100	U		
7440-62-2	Vanadium (Fume Or Dust)	C200.7	ug/l	20	50	U	50	U	50	U	50	UJ
7440-66-6	Zinc	C200.7	ug/l	81	60	R	151		60	U	2.4	J

R2-0001634

Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 9 Surface Water - Dissolved

				sys_loc_code:	SW40		SW41	
				loc_name:	Area-09		Area-09	
				sys_sample_code:	RBS-SW40D		RBS-SW41D	
				sample_date:	04/22/2009		04/22/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SW				
7429-90-5	Aluminum	C200.7	ug/l	87	200	U	33.5	J
7440-36-0	Antimony	C200.7	ug/l	500	60	U	60	U
7440-38-2	Arsenic	C200.7	ug/l	12.5	2.4	J	3.3	J
7440-39-3	Barium	C200.7	ug/l	4	200	U	200	U
7440-41-7	Beryllium	C200.7	ug/l	0.66	0.35	J	5	U
7440-43-9	Cadmium	C200.7	ug/l	0.12	5	U	5	U
7440-70-2	Calcium	C200.7	ug/l	116000	202000	J	227000	J
7440-47-3	Chromium	C200.7	ug/l	57.5	10	UJ	10	U
7440-48-4	Cobalt	C200.7	ug/l	23	50	U	50	U
7440-50-8	Copper	C200.7	ug/l	3.1	2	J	1.2	J
7439-89-6	Iron	C200.7	ug/l	300	100	UJ	240	J
7439-92-1	Lead	C200.7	ug/l	8.1	10	U	10	U
7439-95-4	Magnesium	C200.7	ug/l	82000	615000	J	696000	J
7439-96-5	Manganese	C200.7	ug/l	120	49.6	J	108	J
7440-02-0	Nickel	C200.7	ug/l	8.2	40	U	40	U
7440-09-7	Potassium	C200.7	ug/l	53000				
7782-49-2	Selenium	C200.7	ug/l	71	35	U	35	U
7440-22-4	Silver	C200.7	ug/l	0.23	10	U	10	U
7440-23-5	Sodium	C200.7	ug/l	680000				
7440-28-0	Thallium	C200.7	ug/l	21.3	25	U	25	U
7440-31-5	Tin	C200.7	ug/l					
7440-62-2	Vanadium (Fume Or Dust)	C200.7	ug/l	20	50	U	50	U
7440-66-6	Zinc	C200.7	ug/l	81	8.3	J	5.6	J

R2-0001635

Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 9 Surface Water - Total

				sys_loc_code:	SW17		SW19		SW20		SW38	
				loc_name:	Area-09		Area-09		Area-09		Area-09	
				sys_sample_code:	RBS-SW17		RBS-SW19		RBS-SW20		RBS-SW38	
				sample_date:	09/10/2008		09/10/2008		09/10/2008		04/22/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SW								
7429-90-5	Aluminum	C200.7	ug/l	87	200	U	6030		1940		304	J
7440-36-0	Antimony	C200.7	ug/l	500	60	U	6.3	J	2.5	J	60	U
7440-38-2	Arsenic	C200.7	ug/l	12.5	10	U	25		21.6		3.2	J
7440-39-3	Barium	C200.7	ug/l	4	200	U	200	U	200	U	200	U
7440-41-7	Beryllium	C200.7	ug/l	0.66	5	U	5	U	5	U	5	U
7440-43-9	Cadmium	C200.7	ug/l	0.12	5	U	5	U	5	U	5	U
7440-70-2	Calcium	C200.7	ug/l	116000	26600		29600		29300		233000	J
7440-47-3	Chromium	C200.7	ug/l	57.5	10	U	16		4.7	J	10	U
7440-48-4	Cobalt	C200.7	ug/l	23	50	U	50	U	50	U	50	U
7440-50-8	Copper	C200.7	ug/l	3.1	25	U	52.5		15.2	J	7.6	J
7439-89-6	Iron	C200.7	ug/l	300	958		74400		10600		1160	J
7439-92-1	Lead	C200.7	ug/l	8.1	10	U	298		49.9		15	
7439-95-4	Magnesium	C200.7	ug/l	82000	38500		62800		40600		697000	J
7439-96-5	Manganese	C200.7	ug/l	120	201	J	764	J	494	J	152	J
7440-02-0	Nickel	C200.7	ug/l	8.2	40	U	40	U	40	U	1.5	J
7440-09-7	Potassium	C200.7	ug/l	53000	17600		28700		17700			
7782-49-2	Selenium	C200.7	ug/l	71	35	U	35	U	35	U	35	U
7440-22-4	Silver	C200.7	ug/l	0.23	10	U	10	U	10	U	10	U
7440-23-5	Sodium	C200.7	ug/l	680000	326000	R	572000	R	365000	R		
7440-28-0	Thallium	C200.7	ug/l	21.3	25	U	25	U	25	U	25	U
7440-31-5	Tin	C200.7	ug/l		100	U	100	U	100	U		
7440-62-2	Vanadium (Fume Or Dust)	C200.7	ug/l	20	50	U	50	U	50	U	50	UJ
7440-66-6	Zinc	C200.7	ug/l	81	60	R	186		64.8		27	J

R2-0001636

Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 9 Surface Water - Total

				sys_loc_code:	SW40		SW41	
				loc_name:	Area-09		Area-09	
				sys_sample_code:	RBS-SW40		RBS-SW41	
				sample_date:	04/22/2009		04/22/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SW				
7429-90-5	Aluminum	C200.7	ug/l	87	964	J	882	J
7440-36-0	Antimony	C200.7	ug/l	500	60	U	60	U
7440-38-2	Arsenic	C200.7	ug/l	12.5	6.2	J	7	J
7440-39-3	Barium	C200.7	ug/l	4	200	U	200	U
7440-41-7	Beryllium	C200.7	ug/l	0.66	5	U	5	U
7440-43-9	Cadmium	C200.7	ug/l	0.12	5	U	5	U
7440-70-2	Calcium	C200.7	ug/l	116000	230000	J	206000	J
7440-47-3	Chromium	C200.7	ug/l	57.5	10	U	19.8	J
7440-48-4	Cobalt	C200.7	ug/l	23	50	U	50	U
7440-50-8	Copper	C200.7	ug/l	3.1	11.6	J	4.8	J
7439-89-6	Iron	C200.7	ug/l	300	3410	J	6410	J
7439-92-1	Lead	C200.7	ug/l	8.1	25.6		28.4	
7439-95-4	Magnesium	C200.7	ug/l	82000	694000	J	613000	J
7439-96-5	Manganese	C200.7	ug/l	120	208	J	158	J
7440-02-0	Nickel	C200.7	ug/l	8.2	2.7	J	5.8	J
7440-09-7	Potassium	C200.7	ug/l	53000				
7782-49-2	Selenium	C200.7	ug/l	71	35	U	35	U
7440-22-4	Silver	C200.7	ug/l	0.23	10	U	10	U
7440-23-5	Sodium	C200.7	ug/l	680000				
7440-28-0	Thallium	C200.7	ug/l	21.3	25	U	25	U
7440-31-5	Tin	C200.7	ug/l					
7440-62-2	Vanadium (Fume Or Dust)	C200.7	ug/l	20	50	U	50	UJ
7440-66-6	Zinc	C200.7	ug/l	81	51.4	J	60.9	

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					sys_loc_code:		S05		S163		S164	
					loc_name:		Area-09		Area-09		Area-09	
					sys_sample_code:		RBS-S05A		RBS-S06A		RBS-S163		RBS-S164	
					depth:		0-2 in		0-2 in		0-2 in		0-2 in	
					sample_date:		09/11/2008		09/11/2008		04/22/2009		04/22/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-Soil										
7429-90-5	Aluminum	C200.7	mg/kg	3900		690	J	357	J	199		160	
7440-36-0	Antimony	C200.7	mg/kg	0.142		6.1	R	7.1	R	7.2	U	6.7	U
7440-38-2	Arsenic	C200.7	mg/kg	0.389		4.7	R	1.9	R	0.91	J	0.86	J
7440-39-3	Barium	C200.7	mg/kg	1.04		20.5	UJ	20.6	UJ	24.1	UJ	22.3	UJ
7440-41-7	Beryllium	C200.7	mg/kg	0.5		0.51	U	0.51	U	0.6	U	0.56	U
7440-43-9	Cadmium	C200.7	mg/kg	0.00222		0.51	UJ	0.51	UJ	0.6	U	0.56	U
7440-70-2	Calcium	C200.7	mg/kg	995		512	UJ	514	UJ	514	J	59.1	J
7440-47-3	Chromium	C200.7	mg/kg	0.4		8		3.3	R	4.2		2	
7440-48-4	Cobalt	C200.7	mg/kg	0.14		5.1	UJ	5.1	UJ	6	U	5.6	U
7440-50-8	Copper	C200.7	mg/kg	5.4		6.1	J	9.9	J	4.3		0.46	J
7439-89-6	Iron	C200.7	mg/kg	5480		13500	J	4000	J	1800	J	2170	J
7439-92-1	Lead	C200.7	mg/kg	0.0537		63.5	J	117	J	1.7	J	1.8	J
7439-95-4	Magnesium	C200.7	mg/kg	673		512	UJ	514	UJ	604	U	558	U
7439-96-5	Manganese	C200.7	mg/kg	42		49.5	J	41.9	J	11	J	9.3	J
7440-02-0	Nickel	C200.7	mg/kg	12.3		4.1	U	4.2	U	0.15	J	0.074	J
7440-09-7	Potassium	C200.7	mg/kg	1750		69.7	J	54.7	J	604	U	558	U
7782-49-2	Selenium	C200.7	mg/kg	0.0276		3.6	UJ	3.6	UJ	4.2	U	3.9	U
7440-22-4	Silver	C200.7	mg/kg	1		0.19	J	0.12	J	1.2	UJ	1.1	UJ
7440-23-5	Sodium	C200.7	mg/kg	NL		512	UJ	514	UJ	971		558	U
7440-28-0	Thallium	C200.7	mg/kg	0.0569		2.6	U	2.6	U	3	U	2.8	U
7440-31-5	Tin	C200.7	mg/kg	NL		10.2	UJ	10.3	UJ				
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548		14.4	J	5.8	J	3.1	J	3.1	J
7440-66-6	Zinc	C200.7	mg/kg	6.62		21	J	10.3	J	5.1	J	4.3	J

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				sys_loc_code:	S165		S166		S167		S168	
				loc_name:	Area-09		Area-09		Area-09		Area-09	
				sys_sample_code:	RBS-S165		RBS-S166		RBS-S167		RBS-S168	
				depth:	0-2 in		0-2 in		0-2 in		0-2 in	
				sample_date:	04/22/2009		04/22/2009		04/22/2009		04/22/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-Soil								
7429-90-5	Aluminum	C200.7	mg/kg	3900	627		1160		1990		1140	
7440-36-0	Antimony	C200.7	mg/kg	0.142	6.3	U	6.3	U	6.4	U	6.3	U
7440-38-2	Arsenic	C200.7	mg/kg	0.389	3.9	J	10	J	11.4	J	5.4	J
7440-39-3	Barium	C200.7	mg/kg	1.04	21	UJ	21	UJ	21.2	UJ	20.9	UJ
7440-41-7	Beryllium	C200.7	mg/kg	0.5	0.52	U	0.52	U	0.53	U	0.52	U
7440-43-9	Cadmium	C200.7	mg/kg	0.00222	0.52	U	0.52	U	0.53	U	0.52	U
7440-70-2	Calcium	C200.7	mg/kg	995	215	J	96	J	1060		104	J
7440-47-3	Chromium	C200.7	mg/kg	0.4	5.7		12.8		29.7		10.3	
7440-48-4	Cobalt	C200.7	mg/kg	0.14	5.2	U	5.2	U	5.3	U	5.2	U
7440-50-8	Copper	C200.7	mg/kg	5.4	2.8		1.8	J	5		2.8	
7439-89-6	Iron	C200.7	mg/kg	5480	10600	J	25900	J	45000	J	23700	J
7439-92-1	Lead	C200.7	mg/kg	0.0537	3.6	J	4.9	J	7.8	J	6.4	J
7439-95-4	Magnesium	C200.7	mg/kg	673	524	U	525	U	530	U	522	U
7439-96-5	Manganese	C200.7	mg/kg	42	25.5	J	32.3	J	67	J	41.5	J
7440-02-0	Nickel	C200.7	mg/kg	12.3	0.49	J	1	J	2.6	J	0.73	J
7440-09-7	Potassium	C200.7	mg/kg	1750	524	U	525	U	530	U	522	U
7782-49-2	Selenium	C200.7	mg/kg	0.0276	3.7	U	0.64	J	0.41	J	0.36	J
7440-22-4	Silver	C200.7	mg/kg	1	2.1	J	5.3	J	9.2	J	4.8	J
7440-23-5	Sodium	C200.7	mg/kg	NL	524	U	525	U	530	U	522	U
7440-28-0	Thallium	C200.7	mg/kg	0.0569	2.6	U	2.6	U	2.6	U	2.6	U
7440-31-5	Tin	C200.7	mg/kg	NL								
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548	13.5		22.4		47.4		24.6	
7440-66-6	Zinc	C200.7	mg/kg	6.62	17.7		21.3		52.5		28.7	

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				sys_loc_code:	S169		S170		S171		S172	
				loc_name:	Area-09		Area-09		Area-09		Area-09	
				sys_sample_code:	RBS-S169		RBS-S170		RBS-S171		RBS-S172	
				depth:	0-2 in		0-2 in		0-2 in		0-2 in	
				sample_date:	04/22/2009		04/22/2009		04/22/2009		04/22/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-Soil								
7429-90-5	Aluminum	C200.7	mg/kg	3900	774		597		528		758	
7440-36-0	Antimony	C200.7	mg/kg	0.142	6.5	U	6.3	U	6.3	U	6.4	U
7440-38-2	Arsenic	C200.7	mg/kg	0.389	2.9	J	2.2	J	3	J	3.7	J
7440-39-3	Barium	C200.7	mg/kg	1.04	21.6	UJ	21.2	UJ	21.1	UJ	21.3	UJ
7440-41-7	Beryllium	C200.7	mg/kg	0.5	0.54	U	0.53	U	0.051	J	0.075	J
7440-43-9	Cadmium	C200.7	mg/kg	0.00222	0.54	U	0.53	U	0.53	U	0.53	U
7440-70-2	Calcium	C200.7	mg/kg	995	549		534		1500		76.2	J
7440-47-3	Chromium	C200.7	mg/kg	0.4	5.6		7.7		4.6		6.3	
7440-48-4	Cobalt	C200.7	mg/kg	0.14	5.4	U	5.3	U	5.3	U	5.3	U
7440-50-8	Copper	C200.7	mg/kg	5.4	1.9	J	1.3	J	2	J	2.3	J
7439-89-6	Iron	C200.7	mg/kg	5480	15000	J	9860	J	8320	J	13900	J
7439-92-1	Lead	C200.7	mg/kg	0.0537	3.7	J	5.4	J	11.8	J	4.1	J
7439-95-4	Magnesium	C200.7	mg/kg	673	541	U	529	U	145	J	179	J
7439-96-5	Manganese	C200.7	mg/kg	42	24	J	18.4	J	19.1	J	26.2	J
7440-02-0	Nickel	C200.7	mg/kg	12.3	0.23	J	0.47	J	0.38	J	0.65	J
7440-09-7	Potassium	C200.7	mg/kg	1750	541	U	529	U	528	U	532	U
7782-49-2	Selenium	C200.7	mg/kg	0.0276	0.54	J	3.7	U	3.7	U	3.7	U
7440-22-4	Silver	C200.7	mg/kg	1	3	J	2	J	1.7	J	2.8	J
7440-23-5	Sodium	C200.7	mg/kg	NL	541	U	529	U	528	U	532	U
7440-28-0	Thallium	C200.7	mg/kg	0.0569	2.7	U	2.6	U	2.6	U	2.7	U
7440-31-5	Tin	C200.7	mg/kg	NL								
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548	12.1		10.6		13.6		17.9	
7440-66-6	Zinc	C200.7	mg/kg	6.62	16.9		14.7		13.4		18.9	

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				sys_loc_code:	S173		S174		S175		S176	
				loc_name:	Area-09		Area-09		Area-09		Area-09	
				sys_sample_code:	RBS-S173		RBS-S174		RBS-S175		RBS-S176	
				depth:	0-2 in		0-2 in		0-2 in		0-2 in	
				sample_date:	04/22/2009		04/22/2009		04/22/2009		04/22/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-Soil								
7429-90-5	Aluminum	C200.7	mg/kg	3900	835		254		1280		216	
7440-36-0	Antimony	C200.7	mg/kg	0.142	6.4	U	6.7	U	6.7	U	6.5	U
7440-38-2	Arsenic	C200.7	mg/kg	0.389	3.8	J	1.7	J	6.9	J	1.2	J
7440-39-3	Barium	C200.7	mg/kg	1.04	21.4	UJ	22.2	UJ	22.2	U	21.7	UJ
7440-41-7	Beryllium	C200.7	mg/kg	0.5	0.11	J	0.55	U	0.34	J	0.54	U
7440-43-9	Cadmium	C200.7	mg/kg	0.00222	0.53	U	0.55	U	0.55	U	0.54	U
7440-70-2	Calcium	C200.7	mg/kg	995	172	J	87.2	J	147	J	50	J
7440-47-3	Chromium	C200.7	mg/kg	0.4	5.6		2.5		14.5		3.1	
7440-48-4	Cobalt	C200.7	mg/kg	0.14	5.3	U	5.5	U	5.5	U	5.4	U
7440-50-8	Copper	C200.7	mg/kg	5.4	5.3		0.96	J	2.7	J	0.58	J
7439-89-6	Iron	C200.7	mg/kg	5480	11400	J	4210	J	22500	J	3050	J
7439-92-1	Lead	C200.7	mg/kg	0.0537	3.9	J	3.3	J	5.5	J	2.8	J
7439-95-4	Magnesium	C200.7	mg/kg	673	166	J	109	J	266	J	86.5	J
7439-96-5	Manganese	C200.7	mg/kg	42	19.1	J	8.9	J	35.6	J	10.5	J
7440-02-0	Nickel	C200.7	mg/kg	12.3	0.42	J	0.17	J	0.98	J	0.17	J
7440-09-7	Potassium	C200.7	mg/kg	1750	535	U	554	U	555	U	542	U
7782-49-2	Selenium	C200.7	mg/kg	0.0276	3.7	U	3.9	U	0.43	J	3.8	U
7440-22-4	Silver	C200.7	mg/kg	1	2.3	J	0.89	J	4.6	J	0.6	J
7440-23-5	Sodium	C200.7	mg/kg	NL	535	U	554	U	555	U	542	U
7440-28-0	Thallium	C200.7	mg/kg	0.0569	2.7	U	2.8	U	2.8	U	2.7	U
7440-31-5	Tin	C200.7	mg/kg	NL								
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548	11.8		4.2	J	24.1		4.4	J
7440-66-6	Zinc	C200.7	mg/kg	6.62	14.2		7		25.7		6	J

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				sys_loc_code:	S177		S178		S179		S180	
				loc_name:	Area-09		Area-09		Area-09		Area-09	
				sys_sample_code:	RBS-S177		RBS-S178		RBS-S179		RBS-S180	
				depth:	0-2 in		0-2 in		0-2 in		0-2 in	
				sample_date:	04/22/2009		04/22/2009		04/22/2009		04/22/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-Soil								
7429-90-5	Aluminum	C200.7	mg/kg	3900	651		274		1030		823	
7440-36-0	Antimony	C200.7	mg/kg	0.142	6.4	U	6.3	U	6.3	U	6.3	U
7440-38-2	Arsenic	C200.7	mg/kg	0.389	4.3	J	1.9	J	5.5	J	2.8	R
7440-39-3	Barium	C200.7	mg/kg	1.04	21.5	UJ	21	UJ	20.9	UJ	20.8	UJ
7440-41-7	Beryllium	C200.7	mg/kg	0.5	0.54	U	0.53	U	0.52	U	0.52	U
7440-43-9	Cadmium	C200.7	mg/kg	0.00222	0.54	U	0.53	U	0.52	U	0.52	U
7440-70-2	Calcium	C200.7	mg/kg	995	676		53.9	J	210	J	2370	J
7440-47-3	Chromium	C200.7	mg/kg	0.4	10.6		3		7.8		10.8	
7440-48-4	Cobalt	C200.7	mg/kg	0.14	0.66	J	0.22	J	2	J	0.35	J
7440-50-8	Copper	C200.7	mg/kg	5.4	35.8		1.6	J	2.4	J	1.4	J
7439-89-6	Iron	C200.7	mg/kg	5480	12300	J	4340	J	20700	J	12000	J
7439-92-1	Lead	C200.7	mg/kg	0.0537	4.6	J	3.6	J	5.8	J	3.7	J
7439-95-4	Magnesium	C200.7	mg/kg	673	176	J	67.8	J	211	J	159	J
7439-96-5	Manganese	C200.7	mg/kg	42	36.4	J	13.4	J	56.3	J	22.6	J
7440-02-0	Nickel	C200.7	mg/kg	12.3	0.97	J	0.53	J	2	J	0.78	J
7440-09-7	Potassium	C200.7	mg/kg	1750	537	U	525	U	524	U	521	U
7782-49-2	Selenium	C200.7	mg/kg	0.0276	0.38	J	3.7	U	0.36	J	3.6	U
7440-22-4	Silver	C200.7	mg/kg	1	2.5	J	0.81	J	4.2	J	2.4	J
7440-23-5	Sodium	C200.7	mg/kg	NL	537	U	525	U	524	U	521	U
7440-28-0	Thallium	C200.7	mg/kg	0.0569	2.7	U	2.6	U	2.6	U	2.6	U
7440-31-5	Tin	C200.7	mg/kg	NL								
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548	12.3		5.1	J	15		16.9	R
7440-66-6	Zinc	C200.7	mg/kg	6.62	18.7		10.1		27.6		14.7	

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				sys_loc_code:	S182		S183		S184		S185	
				loc_name:	Area-09		Area-09		Area-09		Area-09	
				sys_sample_code:	RBS-S182		RBS-S183		RBS-S184		RBS-S185	
				depth:	0-2 in		0-2 in		0-2 in		0-2 in	
				sample_date:	04/22/2009		04/22/2009		04/22/2009		04/22/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-Soil								
7429-90-5	Aluminum	C200.7	mg/kg	3900	705		220		255		234	
7440-36-0	Antimony	C200.7	mg/kg	0.142	6.3	U	6.3	U	6.3	U	6.3	U
7440-38-2	Arsenic	C200.7	mg/kg	0.389	3.3	J	1.1		1.1		1.2	
7440-39-3	Barium	C200.7	mg/kg	1.04	21	UJ	21.1	U	20.9	U	21	U
7440-41-7	Beryllium	C200.7	mg/kg	0.5	0.53	U	0.032	J	0.029	J	0.024	J
7440-43-9	Cadmium	C200.7	mg/kg	0.00222	0.53	U	0.53	U	0.52	U	0.52	U
7440-70-2	Calcium	C200.7	mg/kg	995	1600		45.3	J	85.6	J	53	J
7440-47-3	Chromium	C200.7	mg/kg	0.4	10		1.9		3		3.5	
7440-48-4	Cobalt	C200.7	mg/kg	0.14	0.38	J	0.15	J	0.16	J	0.14	J
7440-50-8	Copper	C200.7	mg/kg	5.4	3.6		0.75	J	2.8		1	J
7439-89-6	Iron	C200.7	mg/kg	5480	11100	J	2550		2870		3000	
7439-92-1	Lead	C200.7	mg/kg	0.0537	7	J	2.7		3.1		2.8	
7439-95-4	Magnesium	C200.7	mg/kg	673	184	J	43.2	J	52.6	J	42.3	J
7439-96-5	Manganese	C200.7	mg/kg	42	33.4	J	24.6		20		19.5	
7440-02-0	Nickel	C200.7	mg/kg	12.3	0.61	J	0.32	J	0.33	J	0.35	J
7440-09-7	Potassium	C200.7	mg/kg	1750	526	U	34.2	J	35.9	J	33.7	J
7782-49-2	Selenium	C200.7	mg/kg	0.0276	3.7	U	3.7	U	3.7	U	3.7	U
7440-22-4	Silver	C200.7	mg/kg	1	2.3	J	1.1	U	1	U	1	U
7440-23-5	Sodium	C200.7	mg/kg	NL	526	U	527	U	524	U	525	U
7440-28-0	Thallium	C200.7	mg/kg	0.0569	2.6	U	2.6	U	2.6	U	2.6	U
7440-31-5	Tin	C200.7	mg/kg	NL								
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548	12.9		4	J	4.2	J	4.4	J
7440-66-6	Zinc	C200.7	mg/kg	6.62	20.5		6.3	R	7.1	R	6.8	R

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				sys_loc_code:	S186		S187		S188		S189	
				loc_name:	Area-09		Area-09		Area-09		Area-09	
				sys_sample_code:	RBS-S186		RBS-S187		RBS-S188		RBS-S189	
				depth:	0-2 in		0-2 in		0-2 in		0-2 in	
				sample_date:	04/22/2009		04/22/2009		04/22/2009		04/22/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-Soil								
7429-90-5	Aluminum	C200.7	mg/kg	3900	263		288		462		271	
7440-36-0	Antimony	C200.7	mg/kg	0.142	6.2	U	6.3	U	6.3	U	6.3	U
7440-38-2	Arsenic	C200.7	mg/kg	0.389	1.3		1.6		2.1		1.2	
7440-39-3	Barium	C200.7	mg/kg	1.04	20.8	U	20.9	U	21	U	20.9	U
7440-41-7	Beryllium	C200.7	mg/kg	0.5	0.034	J	0.031	J	0.064	J	0.031	J
7440-43-9	Cadmium	C200.7	mg/kg	0.00222	0.52	U	0.52	U	0.53	U	0.52	U
7440-70-2	Calcium	C200.7	mg/kg	995	79.6	J	79.3	J	187	J	113	J
7440-47-3	Chromium	C200.7	mg/kg	0.4	3.7		2.9		4.2		4.1	
7440-48-4	Cobalt	C200.7	mg/kg	0.14	0.17	J	0.17	J	0.31	J	0.16	J
7440-50-8	Copper	C200.7	mg/kg	5.4	2.4	J	0.92	J	1.5	J	3.9	
7439-89-6	Iron	C200.7	mg/kg	5480	3560		3870		7010		3360	
7439-92-1	Lead	C200.7	mg/kg	0.0537	4.8		3.8		3.6		4	
7439-95-4	Magnesium	C200.7	mg/kg	673	53.6	J	78.2	J	86.1	J	53.4	J
7439-96-5	Manganese	C200.7	mg/kg	42	18.5		19.2		21.6		14.7	
7440-02-0	Nickel	C200.7	mg/kg	12.3	0.33	J	0.27	J	0.41	J	0.28	J
7440-09-7	Potassium	C200.7	mg/kg	1750	40.6	J	41.9	J	70.9	J	29.5	J
7782-49-2	Selenium	C200.7	mg/kg	0.0276	3.6	U	3.7	U	3.7	U	3.7	U
7440-22-4	Silver	C200.7	mg/kg	1	1	U	1	U	0.68	J	1	U
7440-23-5	Sodium	C200.7	mg/kg	NL	521	U	524	U	9.9	J	522	U
7440-28-0	Thallium	C200.7	mg/kg	0.0569	2.6	U	2.6	U	2.6	U	2.6	U
7440-31-5	Tin	C200.7	mg/kg	NL								
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548	5.7		5.7		9.6		4.9	J
7440-66-6	Zinc	C200.7	mg/kg	6.62	9.1	R	8.9	R	13	R	7.4	R

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Area 9 Surface Soils

				sys_loc_code:	S190		S191		S192		S193	
				loc_name:	Area-09		Area-09		Area-09		Area-09	
				sys_sample_code:	RBS-S190		RBS-S191		RBS-S192		RBS-S193	
				depth:	0-2 in		0-2 in		0-2 in		0-2 in	
				sample_date:	04/22/2009		04/22/2009		04/22/2009		04/22/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-Soil								
7429-90-5	Aluminum	C200.7	mg/kg	3900	293		318		322		291	
7440-36-0	Antimony	C200.7	mg/kg	0.142	6.3	U	6.3	U	6.3	U	6.3	U
7440-38-2	Arsenic	C200.7	mg/kg	0.389	1.1		1.4		1.6		1.3	
7440-39-3	Barium	C200.7	mg/kg	1.04	20.9	U	21	U	21.1	U	21.1	U
7440-41-7	Beryllium	C200.7	mg/kg	0.5	0.035	J	0.038	J	0.066	J	0.041	J
7440-43-9	Cadmium	C200.7	mg/kg	0.00222	0.52	U	0.53	U	0.53	U	0.53	U
7440-70-2	Calcium	C200.7	mg/kg	995	78.2	J	160	J	41.4	J	52.9	J
7440-47-3	Chromium	C200.7	mg/kg	0.4	5.5		3.3		5.1		4.6	
7440-48-4	Cobalt	C200.7	mg/kg	0.14	0.21	J	5.3	U	5.3	U	5.3	U
7440-50-8	Copper	C200.7	mg/kg	5.4	3		1.8	J	5.2		1.2	J
7439-89-6	Iron	C200.7	mg/kg	5480	4150		3990		4570		3840	
7439-92-1	Lead	C200.7	mg/kg	0.0537	11.8		4.8		28.9		8.9	
7439-95-4	Magnesium	C200.7	mg/kg	673	53	J	60.9	J	57.4	J	49.7	J
7439-96-5	Manganese	C200.7	mg/kg	42	19		16.4		18.2		19	
7440-02-0	Nickel	C200.7	mg/kg	12.3	0.44	J	0.24	J	0.65	J	0.36	J
7440-09-7	Potassium	C200.7	mg/kg	1750	36.9	J	46.5	J	27.8	J	41.8	J
7782-49-2	Selenium	C200.7	mg/kg	0.0276	3.7	U	3.7	U	0.36	J	3.7	U
7440-22-4	Silver	C200.7	mg/kg	1	1	U	1.1	U	1.1	U	1.1	U
7440-23-5	Sodium	C200.7	mg/kg	NL	523	U	10.9	J	527	U	527	U
7440-28-0	Thallium	C200.7	mg/kg	0.0569	2.6	U	2.6	U	2.6	U	2.6	U
7440-31-5	Tin	C200.7	mg/kg	NL								
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548	8.7		6.2		8.9		7.8	
7440-66-6	Zinc	C200.7	mg/kg	6.62	9	R	8.8	R	14.7	R	9.2	R

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				sys_loc_code:	S194		S195		S196		S197	
				loc_name:	Area-09		Area-09		Area-09		Area-09	
				sys_sample_code:	RBS-S194		RBS-S195		RBS-S196		RBS-S197	
				depth:	0-2 in		0-2 in		0-2 in		0-2 in	
				sample_date:	04/22/2009		04/22/2009		04/22/2009		04/22/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-Soil								
7429-90-5	Aluminum	C200.7	mg/kg	3900	357		199		340		178	
7440-36-0	Antimony	C200.7	mg/kg	0.142	6.2	U	6.2	U	6.2	U	6.4	U
7440-38-2	Arsenic	C200.7	mg/kg	0.389	1.6		0.83	J	1.6		0.87	J
7440-39-3	Barium	C200.7	mg/kg	1.04	20.7	U	20.7	U	20.6	U	21.3	U
7440-41-7	Beryllium	C200.7	mg/kg	0.5	0.044	J	0.026	J	0.039	J	0.53	U
7440-43-9	Cadmium	C200.7	mg/kg	0.00222	0.52	U	0.52	U	0.52	U	0.53	U
7440-70-2	Calcium	C200.7	mg/kg	995	98.7	J	54.1	J	207	J	39.6	J
7440-47-3	Chromium	C200.7	mg/kg	0.4	3.7		2.7		5.3		1.6	
7440-48-4	Cobalt	C200.7	mg/kg	0.14	5.2	U	5.2	U	5.2	U	5.3	U
7440-50-8	Copper	C200.7	mg/kg	5.4	1.2	J	0.64	J	6.9		1.1	J
7439-89-6	Iron	C200.7	mg/kg	5480	4720		2370		3930		2080	
7439-92-1	Lead	C200.7	mg/kg	0.0537	3.6		5.2		3		2.2	
7439-95-4	Magnesium	C200.7	mg/kg	673	56.2	J	31.6	J	59.4	J	30.1	J
7439-96-5	Manganese	C200.7	mg/kg	42	18.5		13.6		14.5		11.6	
7440-02-0	Nickel	C200.7	mg/kg	12.3	0.3	J	0.16	J	0.3	J	0.13	J
7440-09-7	Potassium	C200.7	mg/kg	1750	45.4	J	21.1	J	32.3	J	22.3	J
7782-49-2	Selenium	C200.7	mg/kg	0.0276	3.6	U	3.6	U	3.6	U	3.7	U
7440-22-4	Silver	C200.7	mg/kg	1	1	U	1	U	1	U	1.1	U
7440-23-5	Sodium	C200.7	mg/kg	NL	517	U	517	U	515	U	532	U
7440-28-0	Thallium	C200.7	mg/kg	0.0569	2.6	U	2.6	U	2.6	U	2.7	U
7440-31-5	Tin	C200.7	mg/kg	NL								
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548	7.2		4.7	J	5.4		3.3	J
7440-66-6	Zinc	C200.7	mg/kg	6.62	8.8	R	5.2	R	8.1	R	4.5	R

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				sys_loc_code:	S198		S199		S201		S202	
				loc_name:	Area-09		Area-09		Area-09		Area-09	
				sys_sample_code:	RBS-S198		RBS-S199		RBS-S201		RBS-S202	
				depth:	0-2 in		0-2 in		0-2 in		0-2 in	
				sample_date:	04/22/2009		04/22/2009		04/22/2009		04/22/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-Soil								
7429-90-5	Aluminum	C200.7	mg/kg	3900	189		179		165		381	
7440-36-0	Antimony	C200.7	mg/kg	0.142	6.3	U	6.3	U	6.2	U	6.3	U
7440-38-2	Arsenic	C200.7	mg/kg	0.389	0.98	J	0.69	J	0.71	J	1.7	
7440-39-3	Barium	C200.7	mg/kg	1.04	21	U	20.9	U	20.6	U	20.9	U
7440-41-7	Beryllium	C200.7	mg/kg	0.5	0.52	U	0.02	J	0.52	U	0.052	J
7440-43-9	Cadmium	C200.7	mg/kg	0.00222	0.52	U	0.52	U	0.52	U	0.52	U
7440-70-2	Calcium	C200.7	mg/kg	995	25.3	J	22.5	J	27.1	J	98.1	J
7440-47-3	Chromium	C200.7	mg/kg	0.4	1.8		1.4		1.3		4.7	
7440-48-4	Cobalt	C200.7	mg/kg	0.14	5.2	U	5.2	U	5.2	U	5.2	U
7440-50-8	Copper	C200.7	mg/kg	5.4	0.58	J	0.49	J	0.51	J	1.9	J
7439-89-6	Iron	C200.7	mg/kg	5480	2050		1900		1670		5370	
7439-92-1	Lead	C200.7	mg/kg	0.0537	2.1		2.5		2		3.5	
7439-95-4	Magnesium	C200.7	mg/kg	673	22.8	J	26.8	J	30.6	J	71.9	J
7439-96-5	Manganese	C200.7	mg/kg	42	12.7		11		9.4		18	
7440-02-0	Nickel	C200.7	mg/kg	12.3	0.15	J	0.16	J	0.12	J	0.2	J
7440-09-7	Potassium	C200.7	mg/kg	1750	20.9	J	18	J	12.7	J	43.6	J
7782-49-2	Selenium	C200.7	mg/kg	0.0276	3.7	U	3.7	U	3.6	U	0.42	J
7440-22-4	Silver	C200.7	mg/kg	1	1	U	1	U	1	U	0.48	J
7440-23-5	Sodium	C200.7	mg/kg	NL	524	U	522	U	33.5	J	6.4	J
7440-28-0	Thallium	C200.7	mg/kg	0.0569	2.6	U	2.6	U	2.6	U	2.6	U
7440-31-5	Tin	C200.7	mg/kg	NL								
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548	3.5	J	3.4	J	2.8	J	7.4	
7440-66-6	Zinc	C200.7	mg/kg	6.62	5	R	4.7	R	4.2	R	9.1	R

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				sys_loc_code:	S203		S204		S63		S64	
				loc_name:	Area-09		Area-09		Area-09		Area-09	
				sys_sample_code:	RBS-S203		RBS-S204		RBS-S63		RBS-S64	
				depth:	0-2 in		0-2 in		0-2 in		0-2 in	
				sample_date:	04/22/2009		04/22/2009		09/10/2008		09/10/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-Soil								
7429-90-5	Aluminum	C200.7	mg/kg	3900	1120		677		2120	J	1030	J
7440-36-0	Antimony	C200.7	mg/kg	0.142	6.4	U	6.4	U	120		41	
7440-38-2	Arsenic	C200.7	mg/kg	0.389	6.5	J	3.8	J	48.3		17.6	
7440-39-3	Barium	C200.7	mg/kg	1.04	21.3	UJ	21.3	UJ	70.9	J	22.1	UJ
7440-41-7	Beryllium	C200.7	mg/kg	0.5	0.53	U	0.53	U	0.56	U	0.55	U
7440-43-9	Cadmium	C200.7	mg/kg	0.00222	0.53	U	0.53	U	1.7		0.55	U
7440-70-2	Calcium	C200.7	mg/kg	995	956		533	U	561	U	554	U
7440-47-3	Chromium	C200.7	mg/kg	0.4	14.6	J	7.4	J	9.4		4.9	
7440-48-4	Cobalt	C200.7	mg/kg	0.14	5.3	U	5.3	U	5.6	U	5.5	U
7440-50-8	Copper	C200.7	mg/kg	5.4	6.3		2.1	J	186	J	16.7	J
7439-89-6	Iron	C200.7	mg/kg	5480	23900	J	10500	J	14700		6580	
7439-92-1	Lead	C200.7	mg/kg	0.0537	17.5		5.9		10200	J	824	J
7439-95-4	Magnesium	C200.7	mg/kg	673	276	J	151	J	176	J	76.9	J
7439-96-5	Manganese	C200.7	mg/kg	42	60.3	J	25.8	J	52.5		11.1	
7440-02-0	Nickel	C200.7	mg/kg	12.3	1.8	J	0.73	J	14.8		4.4	U
7440-09-7	Potassium	C200.7	mg/kg	1750	534	U	533	U	458	J	228	J
7782-49-2	Selenium	C200.7	mg/kg	0.0276	0.44	J	3.7	U	3.9	U	3.9	U
7440-22-4	Silver	C200.7	mg/kg	1	2.7	J	1.2	J	0.46	J	1.1	U
7440-23-5	Sodium	C200.7	mg/kg	NL	534	U	533	U	561	U	554	U
7440-28-0	Thallium	C200.7	mg/kg	0.0569	2.7	U	2.7	U	2.8	U	2.8	U
7440-31-5	Tin	C200.7	mg/kg	NL					313		28.1	
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548	31.4	J	12.6	J	19		8	
7440-66-6	Zinc	C200.7	mg/kg	6.62	33	J	17.3	J	63.2		10.3	

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				sys_loc_code:	S92		S93	
				loc_name:	Area-09		Area-09	
				sys_sample_code:	RBS-S92		RBS-S93	
				depth:	0-2 in		0-2 in	
				sample_date:	09/12/2008		09/12/2008	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-Soil				
7429-90-5	Aluminum	C200.7	mg/kg	3900	479		187	
7440-36-0	Antimony	C200.7	mg/kg	0.142	7.9	J	6.9	UJ
7440-38-2	Arsenic	C200.7	mg/kg	0.389	6.1		0.76	J
7440-39-3	Barium	C200.7	mg/kg	1.04	20.1	UJ	23	UJ
7440-41-7	Beryllium	C200.7	mg/kg	0.5	0.5	U	0.58	U
7440-43-9	Cadmium	C200.7	mg/kg	0.00222	0.5	U	0.58	U
7440-70-2	Calcium	C200.7	mg/kg	995	503	UJ	575	UJ
7440-47-3	Chromium	C200.7	mg/kg	0.4	5.3		2.1	
7440-48-4	Cobalt	C200.7	mg/kg	0.14	5	U	5.8	U
7440-50-8	Copper	C200.7	mg/kg	5.4	4.9		1.3	J
7439-89-6	Iron	C200.7	mg/kg	5480	7930		2280	
7439-92-1	Lead	C200.7	mg/kg	0.0537	50.4	J	11.4	J
7439-95-4	Magnesium	C200.7	mg/kg	673	77	J	53.5	J
7439-96-5	Manganese	C200.7	mg/kg	42	28		41.3	
7440-02-0	Nickel	C200.7	mg/kg	12.3	4	U	4.6	U
7440-09-7	Potassium	C200.7	mg/kg	1750	49	J	31.8	J
7782-49-2	Selenium	C200.7	mg/kg	0.0276	0.61	J	0.46	J
7440-22-4	Silver	C200.7	mg/kg	1	1	U	1.2	U
7440-23-5	Sodium	C200.7	mg/kg	NL	6.2	J	74	J
7440-28-0	Thallium	C200.7	mg/kg	0.0569	2.5	U	2.9	U
7440-31-5	Tin	C200.7	mg/kg	NL	10.1	U	11.5	U
7440-62-2	Vanadium (Fume Or Dust)	C200.7	mg/kg	0.548	10		5.8	U
7440-66-6	Zinc	C200.7	mg/kg	6.62	19.3		6.9	U

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Area 11

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Area 11 Sediment > 12

				sys_loc_code:	C100		C101		C102		C103	
				loc_name:	Area-11		Area-11		Area-11		Area-11	
				sys_sample_code:	C100 12-24		C101 12-24		C102 12-24		C103 12-24	
				depth:	12-24 in		12-24 in		12-24 in		12-24 in	
				sample_date:	07/22/2009		07/22/2009		07/22/2009		07/22/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	E200.7	mg/kg	7740	2560	J	1940	J	2990	J	3260	J
7440-38-2	Arsenic	E200.7	mg/kg	0.389								
7440-70-2	Calcium	E200.7	mg/kg	NL	1250		289	J	332	J	1010	
7440-50-8	Copper	E200.7	mg/kg	18.7								
7439-89-6	Iron	E200.7	mg/kg	2000	10700	J	9200	J	18700	J	25000	J
7439-92-1	Lead	E200.7	mg/kg	30.2								
7439-95-4	Magnesium	E200.7	mg/kg	NL	1160	J	710	J	1010	J	1100	J
7439-96-5	Manganese	E200.7	mg/kg	183								
7440-09-7	Potassium	E200.7	mg/kg	NL	604	J	415	J	590	J	618	J
7440-23-5	Sodium	E200.7	mg/kg	NL	1830	J	1550	J	1550	J	1670	J
7440-66-6	Zinc	E200.7	mg/kg	124								
7440-36-0	Antimony	E200.8	mg/kg	2	1.2	U	1.2	U	1.2	U	1.2	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389	3.3		2.9		5.2		4.4	
7440-39-3	Barium	E200.8	mg/kg	130.1	6.1	UJ	6	UJ	6	UJ	6	UJ
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.19	J	0.2	J	0.42		0.23	J
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.3	U	0.3	U	0.3	U	0.3	U
7440-47-3	Chromium	E200.8	mg/kg	52.3	6.2		8.2		11.8		10.4	
7440-48-4	Cobalt	E200.8	mg/kg	2.34	1.4		0.93		1.3		1.1	
7440-50-8	Copper	E200.8	mg/kg	18.7	1.8	J	2.3	J	2.6	J	1.9	J
7439-92-1	Lead	E200.8	mg/kg	30.2	2.6		2.1		2.9		2.3	
7439-96-5	Manganese	E200.8	mg/kg	183	63.1		29		47.9		36.2	
7440-02-0	Nickel	E200.8	mg/kg	15.9	2.3	J	2.3	J	3	J	2.4	J
7782-49-2	Selenium	E200.8	mg/kg	2	0.61	U	0.6	U	0.6	U	0.6	U
7440-22-4	Silver	E200.8	mg/kg	0.73	0.3	U	0.3	U	0.3	U	0.3	U
7440-28-0	Thallium	E200.8	mg/kg	100000	0.61	U	0.6	U	0.6	U	0.6	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	15	J	16.3	J	29.6	J	21	J
7440-66-6	Zinc	E200.8	mg/kg	124	10	J	11.3	J	14.8	J	10.6	J
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.037	U	0.036	U	0.036	U	0.036	U

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				sys_loc_code:	C104		C105		C106		C107	
				loc_name:	Area-11		Area-11		Area-07		Area-11	
				sys_sample_code:	C104 12-24		C105 12-24		C106 12-24		C107 12-24	
				depth:	12-24 in		12-24 in		12-24 in		12-24 in	
				sample_date:	07/27/2009		07/22/2009		07/08/2009		07/22/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	E200.7	mg/kg	7740			2660		8830	J	4130	
7440-38-2	Arsenic	E200.7	mg/kg	0.389								
7440-70-2	Calcium	E200.7	mg/kg	NL			331	J	2390		876	
7440-50-8	Copper	E200.7	mg/kg	18.7								
7439-89-6	Iron	E200.7	mg/kg	2000			18100		23500	J	11000	
7439-92-1	Lead	E200.7	mg/kg	30.2								
7439-95-4	Magnesium	E200.7	mg/kg	NL			772		4440	J	1880	
7439-96-5	Manganese	E200.7	mg/kg	183								
7440-09-7	Potassium	E200.7	mg/kg	NL			471	J	1860	J	1050	
7440-23-5	Sodium	E200.7	mg/kg	NL			1340		4800		2330	
7440-66-6	Zinc	E200.7	mg/kg	124								
7440-36-0	Antimony	E200.8	mg/kg	2	1.2	U	1.2	U	1.2	J	1.3	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389	3.7		7.4		29.6	J	3.4	
7440-39-3	Barium	E200.8	mg/kg	130.1	2.5	J	5.9	UJ	37	J	6.5	UJ
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.19	J	0.38		0.65		0.28	J
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.043	J	0.3	U	0.9	J	0.32	U
7440-47-3	Chromium	E200.8	mg/kg	52.3	11.3	J	10.8		45.9		8.6	
7440-48-4	Cobalt	E200.8	mg/kg	2.34	1	J	1.5		5.5		2.4	
7440-50-8	Copper	E200.8	mg/kg	18.7	1.8	J	11.7		83.3		3	
7439-92-1	Lead	E200.8	mg/kg	30.2	2.4	J	8.3	J	58.7	J	3.8	J
7439-96-5	Manganese	E200.8	mg/kg	183	27.7	J	31.7	J	191		90	J
7440-02-0	Nickel	E200.8	mg/kg	15.9	2.2		8.2		17.2	J	4.6	
7782-49-2	Selenium	E200.8	mg/kg	2	0.6	U	0.98		1.6		0.65	U
7440-22-4	Silver	E200.8	mg/kg	0.73	0.3	UJ	0.3	U	1		0.32	U
7440-28-0	Thallium	E200.8	mg/kg	100000	0.6	U	0.59	U	0.39	U	0.65	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	17.4	J	26.3	J	38.1	J	13.2	J
7440-66-6	Zinc	E200.8	mg/kg	124	10.3		31.2		112		17	
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.036	U	0.074		0.37		0.039	U

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				sys_loc_code:	C108		C109		C14		C20	
				loc_name:	Area-11		Area-11		Area-11		Area-11	
				sys_sample_code:	C108 12-24		C109 12-24		C14 12-24		C20 12-24	
				depth:	12-24 in		12-24 in		12-24 in		12-24 in	
				sample_date:	07/22/2009		07/22/2009		07/10/2009		07/09/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	E200.7	mg/kg	7740	2700		2620				2500	
7440-38-2	Arsenic	E200.7	mg/kg	0.389							9.5	J
7440-70-2	Calcium	E200.7	mg/kg	NL	668		286	J			224	J
7440-50-8	Copper	E200.7	mg/kg	18.7							6.2	J
7439-89-6	Iron	E200.7	mg/kg	2000	9110		10200				37400	J
7439-92-1	Lead	E200.7	mg/kg	30.2							3.7	J
7439-95-4	Magnesium	E200.7	mg/kg	NL	1030		1000				255	J
7439-96-5	Manganese	E200.7	mg/kg	183							27.7	
7440-09-7	Potassium	E200.7	mg/kg	NL	625		640				213	J
7440-23-5	Sodium	E200.7	mg/kg	NL	1740		1740				1030	J
7440-66-6	Zinc	E200.7	mg/kg	124							23.7	J
7440-36-0	Antimony	E200.8	mg/kg	2	1.2	U	1.2	U	2.4		0.89	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389	3		3.1		9.1	J		
7440-39-3	Barium	E200.8	mg/kg	130.1	6.1	UJ	6.1	UJ	5.3	J	4.4	U
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.24	J	0.21	J	0.3	J	0.76	
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.31	U	0.3	U	0.061	J	0.22	U
7440-47-3	Chromium	E200.8	mg/kg	52.3	8.5		8.3		11.1	J	20.1	J
7440-48-4	Cobalt	E200.8	mg/kg	2.34	1.4		1.2		1.1		0.76	J
7440-50-8	Copper	E200.8	mg/kg	18.7	2.3		2.1		18.9			
7439-92-1	Lead	E200.8	mg/kg	30.2	2.7	J	2.3	J	117			
7439-96-5	Manganese	E200.8	mg/kg	183	53.9	J	41.3	J	21.1			
7440-02-0	Nickel	E200.8	mg/kg	15.9	3.2		2.7		3.6	J	1.9	J
7782-49-2	Selenium	E200.8	mg/kg	2	0.61	U	0.61	U	0.68	U	0.21	J
7440-22-4	Silver	E200.8	mg/kg	0.73	0.31	U	0.3	U	0.34	U	0.22	UJ
7440-28-0	Thallium	E200.8	mg/kg	100000	0.61	U	0.61	U	0.68	U	0.44	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	17.1	J	17	J	15.5	J	45.4	J
7440-66-6	Zinc	E200.8	mg/kg	124	12.8		11.1		39.5			
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.037	U	0.037	U	0.1		0.034	U

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				sys_loc_code:	C21		C23		C24		C30	
				loc_name:	Area-11		Area-11		Area-11		Area-11	
				sys_sample_code:	C21 12-24		C23 12-24		C24 12-24		C30 12-24	
				depth:	12-24 in		12-24 in		12-24 in		12-24 in	
				sample_date:	07/10/2009		07/09/2009		07/09/2009		07/10/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	E200.7	mg/kg	7740	3270		1850		2430			
7440-38-2	Arsenic	E200.7	mg/kg	0.389					9.8	J		
7440-70-2	Calcium	E200.7	mg/kg	NL	177	J	294	J	755			
7440-50-8	Copper	E200.7	mg/kg	18.7					23.2	J		
7439-89-6	Iron	E200.7	mg/kg	2000	40400	J	32600		26200	J		
7439-92-1	Lead	E200.7	mg/kg	30.2					44.4	J		
7439-95-4	Magnesium	E200.7	mg/kg	NL	554	UJ	209	J	699	J		
7439-96-5	Manganese	E200.7	mg/kg	183					32.4			
7440-09-7	Potassium	E200.7	mg/kg	NL	369	J	156	J	264	J		
7440-23-5	Sodium	E200.7	mg/kg	NL	190	J	509	U	1710	J		
7440-66-6	Zinc	E200.7	mg/kg	124					91.3	J		
7440-36-0	Antimony	E200.8	mg/kg	2	1.2	U	1.1	UJ	1.2	U	1.2	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389	6.8	J	1.3				5.8	J
7440-39-3	Barium	E200.8	mg/kg	130.1	2.6	J	5.7	U	5.8	U	1.7	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.64		0.53		0.74		0.85	J
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.29	U	0.026	J	0.29	U	0.024	J
7440-47-3	Chromium	E200.8	mg/kg	52.3	20.8	J	16.1	J	12.6	J	28.3	J
7440-48-4	Cobalt	E200.8	mg/kg	2.34	1.2		0.59		1.4	J	0.96	
7440-50-8	Copper	E200.8	mg/kg	18.7	3.9		3.9	J			5.1	
7439-92-1	Lead	E200.8	mg/kg	30.2	4.2	J	3.8	J			4.9	
7439-96-5	Manganese	E200.8	mg/kg	183	39.6	J	15.2	J			68.9	
7440-02-0	Nickel	E200.8	mg/kg	15.9	2.9		1.7	J	6.8	J	2.5	J
7782-49-2	Selenium	E200.8	mg/kg	2	0.58	U	0.076	J	0.32	J	0.61	U
7440-22-4	Silver	E200.8	mg/kg	0.73	0.29	U	0.28	UJ	0.29	UJ	0.3	U
7440-28-0	Thallium	E200.8	mg/kg	100000	0.58	U	0.57	U	0.58	U	0.61	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	41.2	J	26.6	J	20.6	J	52.1	J
7440-66-6	Zinc	E200.8	mg/kg	124	18.3		18.9	J			23.7	
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.035	U	0.036	U	0.052		0.036	U

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				sys_loc_code:	C31		C32		C33		C34	
				loc_name:	Area-11		Area-11		Area-11		Area-11	
				sys_sample_code:	C31 12-24		C32 12-24		C33 12-24		C34 12-24	
				depth:	12-24 in		12-24 in		12-24 in		12-24 in	
				sample_date:	07/10/2009		07/10/2009		07/10/2009		07/10/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	E200.7	mg/kg	7740	1930	J	2520	J	3380	J		
7440-38-2	Arsenic	E200.7	mg/kg	0.389								
7440-70-2	Calcium	E200.7	mg/kg	NL	127	J	175	J	567	UJ		
7440-50-8	Copper	E200.7	mg/kg	18.7								
7439-89-6	Iron	E200.7	mg/kg	2000	22700	J	24100	J	37600	J		
7439-92-1	Lead	E200.7	mg/kg	30.2								
7439-95-4	Magnesium	E200.7	mg/kg	NL	374	J	465	J	567	UJ		
7439-96-5	Manganese	E200.7	mg/kg	183								
7440-09-7	Potassium	E200.7	mg/kg	NL	602	U	592	U	567	UJ		
7440-23-5	Sodium	E200.7	mg/kg	NL	1270		1210		152	J		
7440-66-6	Zinc	E200.7	mg/kg	124								
7440-36-0	Antimony	E200.8	mg/kg	2	1.1	U	1.2	U	1.1	U	1.2	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389	2.1	J	6.5	J	17.9	J	6.8	J
7440-39-3	Barium	E200.8	mg/kg	130.1	0.98	J	1.4	J	4	J	1.8	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.17	J	0.42	J	0.97		0.64	J
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.27	U	0.3	U	0.28	U	0.043	J
7440-47-3	Chromium	E200.8	mg/kg	52.3	6.9	J	18.8	J	59.1		29.7	J
7440-48-4	Cobalt	E200.8	mg/kg	2.34	0.54	U	0.88		2.5		0.97	
7440-50-8	Copper	E200.8	mg/kg	18.7	1.9	J	4.5	J	7.2		5.3	
7439-92-1	Lead	E200.8	mg/kg	30.2	1.8		10.1		6.6		5.8	
7439-96-5	Manganese	E200.8	mg/kg	183	11.1	J	33.1	J	119		48.4	
7440-02-0	Nickel	E200.8	mg/kg	15.9	0.83		2.4		5.4		3	J
7782-49-2	Selenium	E200.8	mg/kg	2	0.54	U	0.59	U	0.34	J	0.58	U
7440-22-4	Silver	E200.8	mg/kg	0.73	0.27	U	0.3	U	0.013	J	0.29	U
7440-28-0	Thallium	E200.8	mg/kg	100000	0.54	U	0.59	U	0.57	U	0.58	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	13.8	J	34.5	J	95		44.4	J
7440-66-6	Zinc	E200.8	mg/kg	124	6.6		16.5		33.7		24.6	
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.032	U	0.036	U	0.034	U	0.035	U

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				sys_loc_code:	C35		C36		C43		C44	
				loc_name:	Area-11		Area-11		Area-11		Area-11	
				sys_sample_code:	C35 12-24		C36 12-24		C43 12-24		C44 12-24	
				depth:	12-24 in		12-24 in		12-24 in		12-24 in	
				sample_date:	07/10/2009		07/10/2009		07/13/2009		07/13/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	E200.7	mg/kg	7740	1650		2180	J	2720		1910	
7440-38-2	Arsenic	E200.7	mg/kg	0.389					10.1	J	7	J
7440-70-2	Calcium	E200.7	mg/kg	NL	154	J	925	J	12400		470	J
7440-50-8	Copper	E200.7	mg/kg	18.7					16.9	J	5.2	J
7439-89-6	Iron	E200.7	mg/kg	2000	17000	J	16800	J	39300	J	27300	J
7439-92-1	Lead	E200.7	mg/kg	30.2					14.7		3	
7439-95-4	Magnesium	E200.7	mg/kg	NL	592	UJ	624	J	850		381	J
7439-96-5	Manganese	E200.7	mg/kg	183					49.2		28.8	
7440-09-7	Potassium	E200.7	mg/kg	NL	218	J	651	U	291	J	169	J
7440-23-5	Sodium	E200.7	mg/kg	NL	904		1730		1420		1140	
7440-66-6	Zinc	E200.7	mg/kg	124					70.7	J	20.3	J
7440-36-0	Antimony	E200.8	mg/kg	2	1.2	U	1.3	U	1.4		1.2	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389	5.8	J	25.1	J				
7440-39-3	Barium	E200.8	mg/kg	130.1	1.4	J	4	J	3.6	J	1.1	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.4		0.23	J	0.81		0.33	
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.3	U	0.33	U	0.29	U	0.3	U
7440-47-3	Chromium	E200.8	mg/kg	52.3	14.3	J	11.1	J	24.9	J	13.9	J
7440-48-4	Cobalt	E200.8	mg/kg	2.34	0.69		1.5		1.6	J	0.6	UJ
7440-50-8	Copper	E200.8	mg/kg	18.7	6.8		32.9	J				
7439-92-1	Lead	E200.8	mg/kg	30.2	8.4	J	21.3					
7439-96-5	Manganese	E200.8	mg/kg	183	24.4	J	76.7	J				
7440-02-0	Nickel	E200.8	mg/kg	15.9	2.4		8.9		6	J	1.9	J
7782-49-2	Selenium	E200.8	mg/kg	2	0.59	U	2.7		0.85	J	0.42	J
7440-22-4	Silver	E200.8	mg/kg	0.73	0.3	U	0.33	U	0.29	UJ	0.3	UJ
7440-28-0	Thallium	E200.8	mg/kg	100000	0.59	U	0.65	U	0.59	U	0.6	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	31	J	22.4	J	32.3	J	26.3	J
7440-66-6	Zinc	E200.8	mg/kg	124	28.7		53.1					
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.035	U	0.11		0.13		0.036	U

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				sys_loc_code:	C45		C46		C47		C53	
				loc_name:	Area-11		Area-11		Area-11		Area-11	
				sys_sample_code:	C45 12-24		C46 12-24		C47 12-24		C53 12-24	
				depth:	12-24 in		12-24 in		12-24 in		12-24 in	
				sample_date:	07/13/2009		07/13/2009		07/10/2009		07/13/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	E200.7	mg/kg	7740	783		2770				2530	
7440-38-2	Arsenic	E200.7	mg/kg	0.389	4.7	J	9.1	J			10.8	
7440-70-2	Calcium	E200.7	mg/kg	NL	168	J	410	J			1240	
7440-50-8	Copper	E200.7	mg/kg	18.7			5.2	J				
7439-89-6	Iron	E200.7	mg/kg	2000	9220	J	42200	J			34400	
7439-92-1	Lead	E200.7	mg/kg	30.2	2		4.4				4.4	
7439-95-4	Magnesium	E200.7	mg/kg	NL	253	J	418	J			528	
7439-96-5	Manganese	E200.7	mg/kg	183	8.7		62.2				33.6	
7440-09-7	Potassium	E200.7	mg/kg	NL	123	J	135	J			231	J
7440-23-5	Sodium	E200.7	mg/kg	NL	1400		663				1430	
7440-66-6	Zinc	E200.7	mg/kg	124	11.4	J	27.8	J			28.9	
7440-36-0	Antimony	E200.8	mg/kg	2	1.2	U	1.2	U	1.2	U	1.1	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389					5	J		
7440-39-3	Barium	E200.8	mg/kg	130.1	5.8	UJ	5.9	UJ	5.9	J	2.1	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.29	U	0.39		0.57	J	0.38	
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.29	U	0.29	U	0.045	J	0.28	U
7440-47-3	Chromium	E200.8	mg/kg	52.3	5.8	J	13.7	J	18	J	15.4	
7440-48-4	Cobalt	E200.8	mg/kg	2.34	0.58	UJ	0.66	J	1		0.97	J
7440-50-8	Copper	E200.8	mg/kg	18.7	2.6				3.3		5.9	
7439-92-1	Lead	E200.8	mg/kg	30.2					4.2			
7439-96-5	Manganese	E200.8	mg/kg	183					30.3			
7440-02-0	Nickel	E200.8	mg/kg	15.9	1.3	J	1.5	J	3	J	3.1	J
7782-49-2	Selenium	E200.8	mg/kg	2	0.32	J	0.14	J	0.6	U	0.51	J
7440-22-4	Silver	E200.8	mg/kg	0.73	0.29	UJ	0.29	UJ	0.3	J	0.28	UJ
7440-28-0	Thallium	E200.8	mg/kg	100000	0.58	U	0.59	U	0.6	U	0.56	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	15	J	27.6	J	38.9	J	24.6	J
7440-66-6	Zinc	E200.8	mg/kg	124					17			
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.037	U	0.035	U	0.036	U	0.035	U

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				sys_loc_code:	C54		C55		C56		C62	
				loc_name:	Area-11		Area-11		Area-11		Area-11	
				sys_sample_code:	C54 12-24		C55 12-24		C56 12-24		C62 12-24	
				depth:	12-24 in		12-24 in		12-24 in		12-24 in	
				sample_date:	07/13/2009		07/13/2009		07/13/2009		07/10/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	E200.7	mg/kg	7740	1690		2010		875		2520	
7440-38-2	Arsenic	E200.7	mg/kg	0.389	4.8	J	10	J	3.6	J		
7440-70-2	Calcium	E200.7	mg/kg	NL	27700		491	J	189	J	512	J
7440-50-8	Copper	E200.7	mg/kg	18.7			13.5	J	6.2	J		
7439-89-6	Iron	E200.7	mg/kg	2000	21100	J	31600	J	8330	J	20200	J
7439-92-1	Lead	E200.7	mg/kg	30.2	3.2		10.5		4.3			
7439-95-4	Magnesium	E200.7	mg/kg	NL	705		728		385	J	706	J
7439-96-5	Manganese	E200.7	mg/kg	183	30.8		64.2		12.1			
7440-09-7	Potassium	E200.7	mg/kg	NL	198	J	216	J	153	J	366	J
7440-23-5	Sodium	E200.7	mg/kg	NL	1420		1300		1820		1460	
7440-66-6	Zinc	E200.7	mg/kg	124	23.4	J	43.5	J	22	J		
7440-36-0	Antimony	E200.8	mg/kg	2	1.1	U	1.2	U	1.2	U	1.2	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389							10.1	J
7440-39-3	Barium	E200.8	mg/kg	130.1	5.6	UJ	5.8	UJ	6.1	UJ	3.5	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.36		0.4		0.3	U	0.59	
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.28	U	0.29	U	0.3	U	0.29	U
7440-47-3	Chromium	E200.8	mg/kg	52.3	14.3	J	15	J	7.6	J	23.9	J
7440-48-4	Cobalt	E200.8	mg/kg	2.34	0.7	J	1.6	J	0.61	UJ	2.2	
7440-50-8	Copper	E200.8	mg/kg	18.7	4.2	J					13.3	
7439-92-1	Lead	E200.8	mg/kg	30.2							10.2	J
7439-96-5	Manganese	E200.8	mg/kg	183							131	J
7440-02-0	Nickel	E200.8	mg/kg	15.9	2.7	J	5.8	J	2.8	J	8.2	
7782-49-2	Selenium	E200.8	mg/kg	2	0.18	J	0.57	J	0.79	J	0.7	
7440-22-4	Silver	E200.8	mg/kg	0.73	0.28	UJ	0.32	J	0.3	UJ	0.29	U
7440-28-0	Thallium	E200.8	mg/kg	100000	0.56	U	0.58	U	0.61	U	0.58	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	33.7	J	28.3	J	17.9	J	66.6	J
7440-66-6	Zinc	E200.8	mg/kg	124							55.9	
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.034	U	0.084		0.066		0.073	

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				sys_loc_code:	C63		C64		C69		C70	
				loc_name:	Area-11		Area-11		Area-11		Area-11	
				sys_sample_code:	C63 12-24		C64 12-24		C69 12-24		C70 12-24	
				depth:	12-24 in		12-24 in		12-24 in		12-24 in	
				sample_date:	07/23/2009		07/23/2009		07/10/2009		07/10/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	E200.7	mg/kg	7740	3470		3470		3280			
7440-38-2	Arsenic	E200.7	mg/kg	0.389								
7440-70-2	Calcium	E200.7	mg/kg	NL	10400		2300		4680	R		
7440-50-8	Copper	E200.7	mg/kg	18.7								
7439-89-6	Iron	E200.7	mg/kg	2000	28200		47400		34200	J		
7439-92-1	Lead	E200.7	mg/kg	30.2								
7439-95-4	Magnesium	E200.7	mg/kg	NL	775		756		844			
7439-96-5	Manganese	E200.7	mg/kg	183								
7440-09-7	Potassium	E200.7	mg/kg	NL	578	U	586	U	401	J		
7440-23-5	Sodium	E200.7	mg/kg	NL	1270		1150		1130			
7440-66-6	Zinc	E200.7	mg/kg	124								
7440-36-0	Antimony	E200.8	mg/kg	2	1.2	U	1.2	U	1.2	U	1.1	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389	12.6	J	10.6	J	6	J	10	J
7440-39-3	Barium	E200.8	mg/kg	130.1	5.8	UJ	5.9	UJ	3.5	J	6.5	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.55		0.49		0.54		0.56	J
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.29	U	0.29	U	0.098	J	0.092	J
7440-47-3	Chromium	E200.8	mg/kg	52.3	34		26.8		20.1	J	26.1	J
7440-48-4	Cobalt	E200.8	mg/kg	2.34	1.5		1.2		1.7		1.7	
7440-50-8	Copper	E200.8	mg/kg	18.7	7.7		3.1		7.6		19.7	
7439-92-1	Lead	E200.8	mg/kg	30.2	6.9		3.2		6.6	J	15.7	
7439-96-5	Manganese	E200.8	mg/kg	183	65.9		30.5		40.4		35.7	
7440-02-0	Nickel	E200.8	mg/kg	15.9	6.6		2.9		7		5	J
7782-49-2	Selenium	E200.8	mg/kg	2	1.1		0.59	U	0.78		0.64	
7440-22-4	Silver	E200.8	mg/kg	0.73	0.29	U	0.29	U	0.29	U	0.28	U
7440-28-0	Thallium	E200.8	mg/kg	100000	0.58	U	0.59	U	0.58	U	0.57	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	50.7	J	42.3	J	30.5	J	46.9	J
7440-66-6	Zinc	E200.8	mg/kg	124	24.8		21.3		22.8		37.3	
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.078		0.035	U	0.051		0.073	

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				sys_loc_code:	C71		C72		C73		C74	
				loc_name:	Area-11		Area-11		Area-11		Area-11	
				sys_sample_code:	C71 12-24		C72 12-24		C73 12-24		C74 12-24	
				depth:	12-24 in		12-24 in		12-24 in		12-24 in	
				sample_date:	07/10/2009		07/10/2009		07/23/2009		07/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	E200.7	mg/kg	7740	3810		3030		2500		2130	
7440-38-2	Arsenic	E200.7	mg/kg	0.389								
7440-70-2	Calcium	E200.7	mg/kg	NL	7530	J	678	R	26600		443	J
7440-50-8	Copper	E200.7	mg/kg	18.7								
7439-89-6	Iron	E200.7	mg/kg	2000	30800	J	32900	J	16200		16300	
7439-92-1	Lead	E200.7	mg/kg	30.2								
7439-95-4	Magnesium	E200.7	mg/kg	NL	990		632		702		360	J
7439-96-5	Manganese	E200.7	mg/kg	183								
7440-09-7	Potassium	E200.7	mg/kg	NL	573	J	250	J	561	U	585	U
7440-23-5	Sodium	E200.7	mg/kg	NL	1530		1030		1490		291	J
7440-66-6	Zinc	E200.7	mg/kg	124								
7440-36-0	Antimony	E200.8	mg/kg	2	1.2	U	1.1	U	1.1	U	1.2	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389	11.9	J	5.9	J	6.4	J	7.7	J
7440-39-3	Barium	E200.8	mg/kg	130.1	5.4	J	2.2	J	5.6	UJ	5.9	UJ
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.52		0.78		0.28	U	0.33	
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.18	J	0.13	J	0.28	U	0.29	U
7440-47-3	Chromium	E200.8	mg/kg	52.3	20.6	J	15.2	J	7.4		14.1	
7440-48-4	Cobalt	E200.8	mg/kg	2.34	1.9		1.1		0.89		1.2	
7440-50-8	Copper	E200.8	mg/kg	18.7	21.1		5.7		8		10.9	
7439-92-1	Lead	E200.8	mg/kg	30.2	21		5.1	J	5.7		9.2	
7439-96-5	Manganese	E200.8	mg/kg	183	65.8	J	33.4		56.1		29.6	
7440-02-0	Nickel	E200.8	mg/kg	15.9	8.1		3.4		5.8		6.2	
7782-49-2	Selenium	E200.8	mg/kg	2	0.84		0.39	J	0.92		1.1	
7440-22-4	Silver	E200.8	mg/kg	0.73	0.3	U	0.28	U	0.28	U	0.29	U
7440-28-0	Thallium	E200.8	mg/kg	100000	0.6	U	0.56	U	0.56	U	0.59	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	29.7	J	34.9	J	18.5	J	62.2	J
7440-66-6	Zinc	E200.8	mg/kg	124	61.1	J	19.9		25.9		33.2	
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.22	J	0.057		0.051		0.087	

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				sys_loc_code:	C75		C76		C79		C81	
				loc_name:	Area-11		Area-11		Area-11		Area-11	
				sys_sample_code:	C75 12-24		C76 12-24		C79 12-24		C81 12-24	
				depth:	12-24 in		12-24 in		12-24 in		12-24 in	
				sample_date:	07/23/2009		07/10/2009		07/13/2009		07/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	E200.7	mg/kg	7740	2460	J	4040	J	3680		3240	J
7440-38-2	Arsenic	E200.7	mg/kg	0.389					9			
7440-70-2	Calcium	E200.7	mg/kg	NL	557	J	656	UJ	703		3200	
7440-50-8	Copper	E200.7	mg/kg	18.7								
7439-89-6	Iron	E200.7	mg/kg	2000	16200	J	20200	J	39400		36500	J
7439-92-1	Lead	E200.7	mg/kg	30.2					5.1			
7439-95-4	Magnesium	E200.7	mg/kg	NL	663		820	J	1110		788	
7439-96-5	Manganese	E200.7	mg/kg	183					47.5			
7440-09-7	Potassium	E200.7	mg/kg	NL	582	U	656	UJ	470	J	597	U
7440-23-5	Sodium	E200.7	mg/kg	NL	582	U	55.3	J	1530		1240	
7440-66-6	Zinc	E200.7	mg/kg	124					25.2			
7440-36-0	Antimony	E200.8	mg/kg	2			1.3	U	1.1	U		
7440-38-2	Arsenic	E200.8	mg/kg	0.389			14.8	J				
7440-39-3	Barium	E200.8	mg/kg	130.1			6.6	J	4.1	J		
7440-41-7	Beryllium	E200.8	mg/kg	15.6			0.68		0.88			
7440-43-9	Cadmium	E200.8	mg/kg	0.68			0.33	U	0.27	U		
7440-47-3	Chromium	E200.8	mg/kg	52.3			24.4		16.7			
7440-48-4	Cobalt	E200.8	mg/kg	2.34			3.7		1.8	J		
7440-50-8	Copper	E200.8	mg/kg	18.7			33.2		3.9			
7439-92-1	Lead	E200.8	mg/kg	30.2			27					
7439-96-5	Manganese	E200.8	mg/kg	183			51.1					
7440-02-0	Nickel	E200.8	mg/kg	15.9			8.1		4.4	J		
7782-49-2	Selenium	E200.8	mg/kg	2			1.9	J	0.25	J		
7440-22-4	Silver	E200.8	mg/kg	0.73			0.24	J	0.27	UJ		
7440-28-0	Thallium	E200.8	mg/kg	100000			0.66	U	0.54	U		
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548			47.3		33	J		
7440-66-6	Zinc	E200.8	mg/kg	124			60.7					
7439-97-6	Mercury	E245.5	mg/kg	0.13			0.41		0.034	U		

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				sys_loc_code:	C82		C83		C84		C85	
				loc_name:	Area-11		Area-11		Area-11		Area-11	
				sys_sample_code:	C82 12-24		C83 12-24		C84 12-24		C85 12-24	
				depth:	12-24 in		12-24 in		12-24 in		12-24 in	
				sample_date:	07/23/2009		07/13/2009		07/13/2009		07/13/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	E200.7	mg/kg	7740	3210	J	1460		2160		1750	
7440-38-2	Arsenic	E200.7	mg/kg	0.389			2.5	J	3.3	J	3.9	J
7440-70-2	Calcium	E200.7	mg/kg	NL	13000		549	UJ	581	UJ	811	J
7440-50-8	Copper	E200.7	mg/kg	18.7								
7439-89-6	Iron	E200.7	mg/kg	2000	23700	J	10400	J	12100	J	11500	J
7439-92-1	Lead	E200.7	mg/kg	30.2			2		2.5		2.5	
7439-95-4	Magnesium	E200.7	mg/kg	NL	1290		650		1050		762	
7439-96-5	Manganese	E200.7	mg/kg	183			31.8	J	43.1	J	36	J
7440-09-7	Potassium	E200.7	mg/kg	NL	634		299	J	457	J	351	J
7440-23-5	Sodium	E200.7	mg/kg	NL	1700		1690		1620		1650	
7440-66-6	Zinc	E200.7	mg/kg	124			13.6	J	14.6	J	15.3	J
7440-36-0	Antimony	E200.8	mg/kg	2			1.2	U	1.1	U	1.2	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389								
7440-39-3	Barium	E200.8	mg/kg	130.1			5.9	UJ	5.8	UJ	5.8	UJ
7440-41-7	Beryllium	E200.8	mg/kg	15.6			0.3	U	0.29	U	0.29	U
7440-43-9	Cadmium	E200.8	mg/kg	0.68			0.3	U	0.29	U	0.29	U
7440-47-3	Chromium	E200.8	mg/kg	52.3			9		9.8		10.5	
7440-48-4	Cobalt	E200.8	mg/kg	2.34			0.94	J	1.1	J	1.5	J
7440-50-8	Copper	E200.8	mg/kg	18.7			2.3		2.4		3.3	
7439-92-1	Lead	E200.8	mg/kg	30.2								
7439-96-5	Manganese	E200.8	mg/kg	183								
7440-02-0	Nickel	E200.8	mg/kg	15.9			2.3	J	2.6		3.6	
7782-49-2	Selenium	E200.8	mg/kg	2			0.59	U	0.12	J	0.21	J
7440-22-4	Silver	E200.8	mg/kg	0.73			0.3	UJ	0.29	UJ	0.29	UJ
7440-28-0	Thallium	E200.8	mg/kg	100000			0.59	U	0.58	U	0.58	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548			17.4		20.4		21	
7440-66-6	Zinc	E200.8	mg/kg	124								
7439-97-6	Mercury	E245.5	mg/kg	0.13			0.036	U	0.036	U	0.036	U

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				sys_loc_code:	C86		C87		C88		C89	
				loc_name:	Area-11		Area-11		Area-11		Area-11	
				sys_sample_code:	C86 12-24		C87 12-24		C88 12-24		C89 12-24	
				depth:	12-24 in		12-24 in		12-24 in		12-24 in	
				sample_date:	07/13/2009		07/10/2009		07/23/2009		07/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	E200.7	mg/kg	7740	2810		1800	J	4410	J	8300	J
7440-38-2	Arsenic	E200.7	mg/kg	0.389	4.5							
7440-70-2	Calcium	E200.7	mg/kg	NL	513	U	6544	UJ	3300		20700	
7440-50-8	Copper	E200.7	mg/kg	18.7								
7439-89-6	Iron	E200.7	mg/kg	2000	13900		7520	J	57500	J	25800	J
7439-92-1	Lead	E200.7	mg/kg	30.2	2.7							
7439-95-4	Magnesium	E200.7	mg/kg	NL	850		544	UJ	1200		3500	
7439-96-5	Manganese	E200.7	mg/kg	183	34.1							
7440-09-7	Potassium	E200.7	mg/kg	NL	458	J	544	UJ	859		2140	
7440-23-5	Sodium	E200.7	mg/kg	NL	1690		22.3	J	1140		4870	
7440-66-6	Zinc	E200.7	mg/kg	124	13.6							
7440-36-0	Antimony	E200.8	mg/kg	2	1.2	U	1.1	U				
7440-38-2	Arsenic	E200.8	mg/kg	0.389			3.1	J				
7440-39-3	Barium	E200.8	mg/kg	130.1	3.9	J	10.5	J				
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.29	U	0.23	J				
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.29	U	0.27	U				
7440-47-3	Chromium	E200.8	mg/kg	52.3	7.5		9.4					
7440-48-4	Cobalt	E200.8	mg/kg	2.34	1.2	J	1.5					
7440-50-8	Copper	E200.8	mg/kg	18.7	2.3		10.3					
7439-92-1	Lead	E200.8	mg/kg	30.2			9.4					
7439-96-5	Manganese	E200.8	mg/kg	183			16.6					
7440-02-0	Nickel	E200.8	mg/kg	15.9	3.2	J	3.3					
7782-49-2	Selenium	E200.8	mg/kg	2	0.15	J	0.28	J				
7440-22-4	Silver	E200.8	mg/kg	0.73	0.29	UJ	0.052	J				
7440-28-0	Thallium	E200.8	mg/kg	100000	0.58	U	0.54	U				
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	17.1	J	14.3					
7440-66-6	Zinc	E200.8	mg/kg	124			24.6					
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.035	U	0.074					

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Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 11 Sediment > 12

				sys_loc_code:	C90		C91		C92		C93	
				loc_name:	Area-11		Area-11		Area-11		Area-11	
				sys_sample_code:	C90 12-24		C91 12-24		C92 12-24		C93 12-24	
				depth:	12-24 in		12-24 in		12-24 in		12-24 in	
				sample_date:	07/10/2009		07/10/2009		07/22/2009		07/13/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	E200.7	mg/kg	7740	2610		2080		1970		2610	
7440-38-2	Arsenic	E200.7	mg/kg	0.389							3.8	J
7440-70-2	Calcium	E200.7	mg/kg	NL	4820	J	90.5	J	234	J	393	J
7440-50-8	Copper	E200.7	mg/kg	18.7								
7439-89-6	Iron	E200.7	mg/kg	2000	19100	J	5770	J	11000		12200	J
7439-92-1	Lead	E200.7	mg/kg	30.2							2.6	
7439-95-4	Magnesium	E200.7	mg/kg	NL	661		377	J	774		1210	
7439-96-5	Manganese	E200.7	mg/kg	183							52.5	J
7440-09-7	Potassium	E200.7	mg/kg	NL	417	J	286	J	489	J	564	J
7440-23-5	Sodium	E200.7	mg/kg	NL	505	J	19.9	J	1660		1780	
7440-66-6	Zinc	E200.7	mg/kg	124							16.6	J
7440-36-0	Antimony	E200.8	mg/kg	2	1.4		1.2	U	1.2	U	1.2	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389	15.5	J	5.5	J	2.9			
7440-39-3	Barium	E200.8	mg/kg	130.1	5.1	J	9.2	J	6	UJ	4.3	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.43		0.31	J	0.2	J	0.3	U
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.3	J	0.31	J	0.3	U	0.3	U
7440-47-3	Chromium	E200.8	mg/kg	52.3	20.6	J	5.1	J	10.3		9.1	
7440-48-4	Cobalt	E200.8	mg/kg	2.34	2.5		0.69		0.94		1.6	J
7440-50-8	Copper	E200.8	mg/kg	18.7	30.1		4.7	J	1.9		3.5	
7439-92-1	Lead	E200.8	mg/kg	30.2	21.3		13.5		2	J		
7439-96-5	Manganese	E200.8	mg/kg	183	43.5	J	13	J	31.9	J		
7440-02-0	Nickel	E200.8	mg/kg	15.9	10.5		1.5		1.9		4.1	
7782-49-2	Selenium	E200.8	mg/kg	2	1.4		0.48	J	0.6	U	0.21	J
7440-22-4	Silver	E200.8	mg/kg	0.73	0.3	U	0.31	U	0.3	U	0.3	UJ
7440-28-0	Thallium	E200.8	mg/kg	100000	0.61	U	0.62	U	0.6	U	0.6	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	30.7	J	10.4	J	18.2	J	18.2	
7440-66-6	Zinc	E200.8	mg/kg	124	99.7	J	9.4	J	10.2			
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.23	J	0.095	J	0.036	U	0.036	U

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Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 11 Sediment > 12

				sys_loc_code:	C94		C95		C96		C97	
				loc_name:	Area-11		Area-11		Area-11		Area-11	
				sys_sample_code:	C94 12-24		C95 12-24		C96 12-24		C97 12-24	
				depth:	12-24 in		12-24 in		12-24 in		12-24 in	
				sample_date:	07/27/2009		07/23/2009		07/23/2009		07/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	E200.7	mg/kg	7740			1620	J	2710	J	2690	J
7440-38-2	Arsenic	E200.7	mg/kg	0.389								
7440-70-2	Calcium	E200.7	mg/kg	NL			909		368	J	2120	J
7440-50-8	Copper	E200.7	mg/kg	18.7								
7439-89-6	Iron	E200.7	mg/kg	2000			16400	J	14000	J	25300	J
7439-92-1	Lead	E200.7	mg/kg	30.2								
7439-95-4	Magnesium	E200.7	mg/kg	NL			589	U	932		878	J
7439-96-5	Manganese	E200.7	mg/kg	183								
7440-09-7	Potassium	E200.7	mg/kg	NL			589	U	610	U	412	J
7440-23-5	Sodium	E200.7	mg/kg	NL			1360	J	1410	J	1410	J
7440-66-6	Zinc	E200.7	mg/kg	124								
7440-36-0	Antimony	E200.8	mg/kg	2	1.2	U	1.2	U	1.2	U	1.2	UJ
7440-38-2	Arsenic	E200.8	mg/kg	0.389	5.4		4.7	J	6.1	J	11	
7440-39-3	Barium	E200.8	mg/kg	130.1	4.7	J	5.9	U	6.1	U	5.8	UJ
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.39		0.29	U	0.32		0.41	J
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.074	J	0.29	U	0.3	U	0.29	U
7440-47-3	Chromium	E200.8	mg/kg	52.3	11.6	J	9.3	J	13	J	14.9	
7440-48-4	Cobalt	E200.8	mg/kg	2.34	1.7	J	1.3		1.6		2.1	
7440-50-8	Copper	E200.8	mg/kg	18.7	3.6	J	5.1	J	3.7	J	13.3	
7439-92-1	Lead	E200.8	mg/kg	30.2	4	J	4.3		4.6		13	
7439-96-5	Manganese	E200.8	mg/kg	183	50.3	J	37.7		49.4		39.5	
7440-02-0	Nickel	E200.8	mg/kg	15.9	4.2		3		4		7.5	
7782-49-2	Selenium	E200.8	mg/kg	2	0.13	J	0.59	U	0.61	U	0.83	J
7440-22-4	Silver	E200.8	mg/kg	0.73	0.013	J	0.29	U	0.3	U	0.29	U
7440-28-0	Thallium	E200.8	mg/kg	100000	0.61	U	0.59	U	0.61	U	0.58	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	29.9	J	22.4	J	24.9	J	33.2	J
7440-66-6	Zinc	E200.8	mg/kg	124	18.8		17	J	15.2	J	42.6	
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.036	U	0.042		0.037	U	0.096	

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Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 11 Sediment > 12

				sys_loc_code:	C98		C99	
				loc_name:	Area-11		Area-11	
				sys_sample_code:	C98 12-24		C99 12-24	
				depth:	12-24 in		12-24 in	
				sample_date:	07/23/2009		07/10/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED				
7429-90-5	Aluminum	E200.7	mg/kg	7740	5940	J	9130	J
7440-38-2	Arsenic	E200.7	mg/kg	0.389				
7440-70-2	Calcium	E200.7	mg/kg	NL	7240	J	7532	UJ
7440-50-8	Copper	E200.7	mg/kg	18.7				
7439-89-6	Iron	E200.7	mg/kg	2000	20000	J	16000	J
7439-92-1	Lead	E200.7	mg/kg	30.2				
7439-95-4	Magnesium	E200.7	mg/kg	NL	2400	J	2680	J
7439-96-5	Manganese	E200.7	mg/kg	183				
7440-09-7	Potassium	E200.7	mg/kg	NL	1190	J	1260	J
7440-23-5	Sodium	E200.7	mg/kg	NL	2910	J	897	J
7440-66-6	Zinc	E200.7	mg/kg	124				
7440-36-0	Antimony	E200.8	mg/kg	2	1.4	J	1.5	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389	21.9		14.2	J
7440-39-3	Barium	E200.8	mg/kg	130.1	13.1	J	20.2	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.54	J	0.54	
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.46		0.38	U
7440-47-3	Chromium	E200.8	mg/kg	52.3	31.9		19.6	
7440-48-4	Cobalt	E200.8	mg/kg	2.34	4.4		5.4	
7440-50-8	Copper	E200.8	mg/kg	18.7	44.7		17.5	
7439-92-1	Lead	E200.8	mg/kg	30.2	43.2		36.3	
7439-96-5	Manganese	E200.8	mg/kg	183	122		113	
7440-02-0	Nickel	E200.8	mg/kg	15.9	16		12.8	
7782-49-2	Selenium	E200.8	mg/kg	2	1.4	J	0.81	J
7440-22-4	Silver	E200.8	mg/kg	0.73	0.46		0.086	J
7440-28-0	Thallium	E200.8	mg/kg	100000	0.7	U	0.75	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	65.9	J	25.6	
7440-66-6	Zinc	E200.8	mg/kg	124	108		74.1	
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.65		0.56	

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Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Area 11 Sediment < 12

				sys_loc_code:	C100		C101		C102	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C100 0-6		C101 0-6		C102 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/22/2009		07/22/2009		07/22/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
7429-90-5	Aluminum	E200.7	mg/kg	7740	1260	J	2350	J	1760	J
7440-38-2	Arsenic	E200.7	mg/kg	0.389						
7440-70-2	Calcium	E200.7	mg/kg	NL	202	J	440	J	535	J
7440-50-8	Copper	E200.7	mg/kg	18.7						
7439-89-6	Iron	E200.7	mg/kg	2000	8880	J	10300	J	10400	J
7439-92-1	Lead	E200.7	mg/kg	30.2						
7439-95-4	Magnesium	E200.7	mg/kg	NL	611	UJ	849	J	610	J
7439-96-5	Manganese	E200.7	mg/kg	183						
7440-09-7	Potassium	E200.7	mg/kg	NL	256	J	513	J	335	J
7440-23-5	Sodium	E200.7	mg/kg	NL	1470	J	1420	J	1530	J
7440-66-6	Zinc	E200.7	mg/kg	124						
7440-36-0	Antimony	E200.8	mg/kg	2	1.2	U	1.2	U	1.2	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389	3.7		3.8		4.5	
7440-39-3	Barium	E200.8	mg/kg	130.1	6.1	UJ	6	UJ	6.1	UJ
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.15	J	0.22	J	0.25	J
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.3	U	0.3	U	0.3	U
7440-47-3	Chromium	E200.8	mg/kg	52.3	7.7		10.4		12.4	
7440-48-4	Cobalt	E200.8	mg/kg	2.34	1.1		1.3		1.5	
7440-50-8	Copper	E200.8	mg/kg	18.7	4.7	J	5.2	J	8.4	J
7439-92-1	Lead	E200.8	mg/kg	30.2	7.4		5.8		10.7	
7439-96-5	Manganese	E200.8	mg/kg	183	35.6		51.4		35.5	
7440-02-0	Nickel	E200.8	mg/kg	15.9	1.7	J	2.9	J	3.7	J
7782-49-2	Selenium	E200.8	mg/kg	2	0.61	U	0.6	U	0.33	J
7440-22-4	Silver	E200.8	mg/kg	0.73	0.3	U	0.3	U	0.3	U
7440-28-0	Thallium	E200.8	mg/kg	100000	0.61	U	0.6	U	0.61	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	14.4	J	19.7	J	19.9	J
7440-66-6	Zinc	E200.8	mg/kg	124	20.4	J	21.3	J	35.6	J
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.042		0.036	U	0.059	
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6						
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357						
309-00-2	Aldrin	CPEST	ug/kg	2						
319-84-6	Alpha-Bhc	CPEST	ug/kg	3						
319-85-7	Beta-Bhc	CPEST	ug/kg	3						

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				sys_loc_code:	C100		C101		C102	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C100 0-6		C101 0-6		C102 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/22/2009		07/22/2009		07/22/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
319-86-8	Delta-Bhc	CPEST	ug/kg	3						
33213-65-9	Endosulfan II	CPEST	ug/kg	14						
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19						
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7						
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7						
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL						
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32						
60-57-1	Dieldrin	CPEST	ug/kg	0.72						
72-20-8	Endrin	CPEST	ug/kg	2.67						
72-43-5	Methoxychlor	CPEST	ug/kg	29.6						
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22						
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07						
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL						
76-44-8	Heptachlor	CPEST	ug/kg	68						
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1						
959-98-8	Endosulfan I	CPEST	ug/kg	2.9						
11096-82-5	Aroclor 1260	E608	ug/kg	21.6						
11097-69-1	Aroclor 1254	E608	ug/kg	23						
11100-14-4	Aroclor 1268	E608	ug/kg	21.6						
11104-28-2	Aroclor 1221	E608	ug/kg	21.6						
11141-16-5	Aroclor 1232	E608	ug/kg	21.6						
12672-29-6	Aroclor 1248	E608	ug/kg	21.6						
12674-11-2	Aroclor 1016	E608	ug/kg	21.6						
37324-23-5	Aroclor 1262	E608	ug/kg	21.6						
53469-21-9	Aroclor 1242	E608	ug/kg	21.6						
100-41-4	Ethylbenzene	E624	ug/kg	305						
100-42-5	Styrene	E624	ug/kg	7070						
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL						
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL						
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460						
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7						
107-06-2	1,2-Dichloroethane	E624	ug/kg	432						
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000						

				sys_loc_code:	C100		C101		C102	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C100 0-6		C101 0-6		C102 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/22/2009		07/22/2009		07/22/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
108-87-2	Methylcyclohexane	E624	ug/kg	NL						
108-88-3	Toluene	E624	ug/kg	1090						
108-90-7	Chlorobenzene	E624	ug/kg	162						
110-82-7	Cyclohexane	E624	ug/kg	117000						
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473						
123-91-1	1,4-Dioxane	E624	ug/kg	44100						
124-48-1	Dibromochloromethane	E624	ug/kg	680						
127-18-4	Tetrachloroethene	E624	ug/kg	190						
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200						
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300						
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300						
179601-23-1	m,p-Xylene	E624	ug/kg	NL						
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842						
56-23-5	Carbon tetrachloride	E624	ug/kg	248						
591-78-6	2-Hexanone	E624	ug/kg	20900						
67-64-1	Acetone	E624	ug/kg	6130000						
67-66-3	Chloroform	E624	ug/kg	295						
71-43-2	Benzene	E624	ug/kg	137						
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856						
74-83-9	Bromomethane	E624	ug/kg	732						
74-87-3	Chloromethane	E624	ug/kg	11900						
74-97-5	Bromochloromethane	E624	ug/kg	NL						
75-00-3	Chloroethane	E624	ug/kg	1450000						
75-01-4	Vinyl Chloride	E624	ug/kg	59.7						
75-09-2	Methylene chloride	E624	ug/kg	10700						
75-15-0	Carbon Disulfide	E624	ug/kg	0.851						
75-25-2	Bromoform	E624	ug/kg	1310						
75-27-4	Bromodichloromethane	E624	ug/kg	273						
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310						
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780						
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700						
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400						
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000						

				sys_loc_code:	C100		C101		C102	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C100 0-6		C101 0-6		C102 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/22/2009		07/22/2009		07/22/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
78-87-5	1,2-Dichloropropane	E624	ug/kg	895						
78-93-3	2-Butanone	E624	ug/kg	2780000						
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570						
79-01-6	Trichloroethene	E624	ug/kg	1600						
79-20-9	Methyl Acetate	E624	ug/kg	7820000						
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202						
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858						
95-47-6	o-Xylene	E624	ug/kg	NL						
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989						
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35						
98-82-8	Isopropylbenzene	E624	ug/kg	86						
100-01-6	4-Nitroaniline	E625	ug/kg	24300						
100-02-7	4-Nitrophenol	E625	ug/kg	NL						
100-52-7	Benzaldehyde	E625	ug/kg	782000						
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230						
105-60-2	Caprolactam	E625	ug/kg	3060000						
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29						
106-44-5	4-Methylphenol	E625	ug/kg	670						
106-47-8	4-Chloroaniline	E625	ug/kg	2430						
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570						
108-95-2	Phenol	E625	ug/kg	420						
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214						
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300						
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182						
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL						
118-74-1	Hexachlorobenzene	E625	ug/kg	20						
120-12-7	Anthracene	E625	ug/kg	46.9						
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117						
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6						
129-00-0	Pyrene	E625	ug/kg	153						
131-11-3	Dimethylphthalate	E625	ug/kg	NL						
132-64-9	Dibenzofuran	E625	ug/kg	7300						
1912-24-9	Atrazine	E625	ug/kg	6.62						

				sys_loc_code:	C100		C101		C102	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C100 0-6		C101 0-6		C102 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/22/2009		07/22/2009		07/22/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170						
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17						
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148						
206-44-0	Fluoranthene	E625	ug/kg	113						
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240						
208-96-8	Acenaphthylene	E625	ug/kg	5.87						
218-01-9	Chrysene	E625	ug/kg	108						
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8						
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200						
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611						
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22						
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8						
58-90-2	Chlorophenols	E625	ug/kg	284						
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000						
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120						
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4						
67-72-1	Hexachloroethane	E625	ug/kg	804						
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL						
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139						
78-59-1	Isophorone	E625	ug/kg	511000						
83-32-9	Acenaphthene	E625	ug/kg	6.71						
84-66-2	Diethylphthalate	E625	ug/kg	218						
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160						
85-01-8	Phenanthrene	E625	ug/kg	86.7						
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800						
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100						
86-73-7	Fluorene	E625	ug/kg	19						
86-74-8	Carbazole	E625	ug/kg	NL						
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110						
87-86-5	Pentachlorophenol	E625	ug/kg	2970						
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650						
88-74-4	2-Nitroaniline	E625	ug/kg	60600						
88-75-5	2-Nitrophenol	E625	ug/kg	NL						

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				sys_loc_code:	C100		C101		C102	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C100 0-6		C101 0-6		C102 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/22/2009		07/22/2009		07/22/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
91-20-3	Naphthalene	E625	ug/kg	34.6						
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2						
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000						
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080						
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220						
95-48-7	2-Methylphenol	E625	ug/kg	306000						
95-57-8	2-Chlorophenol	E625	ug/kg	344						
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830						
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819						
98-86-2	Acetophenone	E625	ug/kg	782000						
98-95-3	Nitrobenzene	E625	ug/kg	4790						
99-09-2	3-Nitroaniline	E625	ug/kg	NL						

					sys_loc_code:	C103		C104		C105	
					loc_name:	Area-11		Area-11		Area-11	
					sys_sample_code:	C103 0-6		C104 0-6		C105 0-6	
					depth:	0-6 in		0-6 in		0-6 in	
					sample_date:	07/22/2009		07/27/2009		07/22/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED							
7429-90-5	Aluminum	E200.7	mg/kg	7740		1590	J			1550	J
7440-38-2	Arsenic	E200.7	mg/kg	0.389							
7440-70-2	Calcium	E200.7	mg/kg	NL		344	J			3290	
7440-50-8	Copper	E200.7	mg/kg	18.7							
7439-89-6	Iron	E200.7	mg/kg	2000		11400	J			8920	J
7439-92-1	Lead	E200.7	mg/kg	30.2							
7439-95-4	Magnesium	E200.7	mg/kg	NL		611	UJ			623	UJ
7439-96-5	Manganese	E200.7	mg/kg	183							
7440-09-7	Potassium	E200.7	mg/kg	NL		305	J			267	J
7440-23-5	Sodium	E200.7	mg/kg	NL		1620	J			1660	J
7440-66-6	Zinc	E200.7	mg/kg	124							
7440-36-0	Antimony	E200.8	mg/kg	2		1.2	U	1.2	U	1.2	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389		11.4		4.1		4.8	
7440-39-3	Barium	E200.8	mg/kg	130.1		6.1	UJ	2.5	J	6.2	UJ
7440-41-7	Beryllium	E200.8	mg/kg	15.6		0.3	J	0.28	J	0.21	J
7440-43-9	Cadmium	E200.8	mg/kg	0.68		0.3	U	0.097	J	0.31	U
7440-47-3	Chromium	E200.8	mg/kg	52.3		11.6		13	J	11.2	
7440-48-4	Cobalt	E200.8	mg/kg	2.34		4.8		1.7	J	1.6	
7440-50-8	Copper	E200.8	mg/kg	18.7		11.6	J	10	J	13.3	J
7439-92-1	Lead	E200.8	mg/kg	30.2		12		12.6	J	15.6	
7439-96-5	Manganese	E200.8	mg/kg	183		80.1		36.1	J	30.8	
7440-02-0	Nickel	E200.8	mg/kg	15.9		10.6	J	2.8		2.8	J
7782-49-2	Selenium	E200.8	mg/kg	2		0.8		0.11	J	0.62	U
7440-22-4	Silver	E200.8	mg/kg	0.73		0.3	U	0.11	J	0.31	U
7440-28-0	Thallium	E200.8	mg/kg	100000		0.61	U	0.62	U	0.62	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548		26.4	J	19.1	J	18.8	J
7440-66-6	Zinc	E200.8	mg/kg	124		59.3	J	45.6		50.9	J
7439-97-6	Mercury	E245.5	mg/kg	0.13		0.072		0.037	U	0.074	
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6				0.24	J		
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357				4.2	U		
309-00-2	Aldrin	CPEST	ug/kg	2				2.2	U		
319-84-6	Alpha-Bhc	CPEST	ug/kg	3				2.2	U		
319-85-7	Beta-Bhc	CPEST	ug/kg	3				2.2	U		

				sys_loc_code:	C103		C104		C105	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C103 0-6		C104 0-6		C105 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/22/2009		07/27/2009		07/22/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
319-86-8	Delta-Bhc	CPEST	ug/kg	3			2.2	U		
33213-65-9	Endosulfan II	CPEST	ug/kg	14			4.2	U		
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19			4.2	U		
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7			2.2	U		
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7			2.2	U		
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL			4.2	U		
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32			2.2	U		
60-57-1	Dieldrin	CPEST	ug/kg	0.72			4.2	U		
72-20-8	Endrin	CPEST	ug/kg	2.67			4.2	U		
72-43-5	Methoxychlor	CPEST	ug/kg	29.6			22	U		
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22			4.2	U		
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07			0.13	J		
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL			4.2	U		
76-44-8	Heptachlor	CPEST	ug/kg	68			2.2	U		
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1			220	U		
959-98-8	Endosulfan I	CPEST	ug/kg	2.9			2.2	U		
11096-82-5	Aroclor 1260	E608	ug/kg	21.6			42	U		
11097-69-1	Aroclor 1254	E608	ug/kg	23			42	U		
11100-14-4	Aroclor 1268	E608	ug/kg	21.6			42	U		
11104-28-2	Aroclor 1221	E608	ug/kg	21.6			42	U		
11141-16-5	Aroclor 1232	E608	ug/kg	21.6			42	U		
12672-29-6	Aroclor 1248	E608	ug/kg	21.6			42	U		
12674-11-2	Aroclor 1016	E608	ug/kg	21.6			42	U		
37324-23-5	Aroclor 1262	E608	ug/kg	21.6			42	U		
53469-21-9	Aroclor 1242	E608	ug/kg	21.6			42	U		
100-41-4	Ethylbenzene	E624	ug/kg	305			5.8	U		
100-42-5	Styrene	E624	ug/kg	7070			5.8	U		
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL			5.8	U		
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL			5.8	U		
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460			5.8	U		
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7			5.8	U		
107-06-2	1,2-Dichloroethane	E624	ug/kg	432			5.8	U		
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000			12	U		

				sys_loc_code:	C103		C104		C105	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C103 0-6		C104 0-6		C105 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/22/2009		07/27/2009		07/22/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
108-87-2	Methylcyclohexane	E624	ug/kg	NL			5.8	U		
108-88-3	Toluene	E624	ug/kg	1090			5.8	U		
108-90-7	Chlorobenzene	E624	ug/kg	162			5.8	U		
110-82-7	Cyclohexane	E624	ug/kg	117000			5.8	U		
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473			5.8	U		
123-91-1	1,4-Dioxane	E624	ug/kg	44100			120	R		
124-48-1	Dibromochloromethane	E624	ug/kg	680			5.8	U		
127-18-4	Tetrachloroethene	E624	ug/kg	190			5.8	U		
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200			5.8	U		
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300			5.8	U		
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300			5.8	U		
179601-23-1	m,p-Xylene	E624	ug/kg	NL			5.8	U		
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842			5.8	U		
56-23-5	Carbon tetrachloride	E624	ug/kg	248			5.8	U		
591-78-6	2-Hexanone	E624	ug/kg	20900			12	U		
67-64-1	Acetone	E624	ug/kg	6130000			11	J		
67-66-3	Chloroform	E624	ug/kg	295			5.8	U		
71-43-2	Benzene	E624	ug/kg	137			5.8	U		
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856			5.8	U		
74-83-9	Bromomethane	E624	ug/kg	732			5.8	U		
74-87-3	Chloromethane	E624	ug/kg	11900			5.8	U		
74-97-5	Bromochloromethane	E624	ug/kg	NL			5.8	U		
75-00-3	Chloroethane	E624	ug/kg	1450000			5.8	U		
75-01-4	Vinyl Chloride	E624	ug/kg	59.7			5.8	U		
75-09-2	Methylene chloride	E624	ug/kg	10700			5.8	U		
75-15-0	Carbon Disulfide	E624	ug/kg	0.851			1	J		
75-25-2	Bromoform	E624	ug/kg	1310			5.8	U		
75-27-4	Bromodichloromethane	E624	ug/kg	273			5.8	U		
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310			5.8	U		
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780			5.8	U		
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700			5.8	U		
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400			5.8	U		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000			5.8	U		

				sys_loc_code:	C103		C104		C105	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C103 0-6		C104 0-6		C105 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/22/2009		07/27/2009		07/22/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
78-87-5	1,2-Dichloropropane	E624	ug/kg	895			5.8	U		
78-93-3	2-Butanone	E624	ug/kg	2780000			12	U		
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570			5.8	U		
79-01-6	Trichloroethene	E624	ug/kg	1600			5.8	U		
79-20-9	Methyl Acetate	E624	ug/kg	7820000			5.8	U		
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202			5.8	U		
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858			5.8	U		
95-47-6	o-Xylene	E624	ug/kg	NL			5.8	U		
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989			5.8	U		
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35			5.8	U		
98-82-8	Isopropylbenzene	E624	ug/kg	86			5.8	U		
100-01-6	4-Nitroaniline	E625	ug/kg	24300			420	U		
100-02-7	4-Nitrophenol	E625	ug/kg	NL			420	U		
100-52-7	Benzaldehyde	E625	ug/kg	782000			38	J		
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230			220	U		
105-60-2	Caprolactam	E625	ug/kg	3060000			220	U		
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29			220	U		
106-44-5	4-Methylphenol	E625	ug/kg	670			220	U		
106-47-8	4-Chloroaniline	E625	ug/kg	2430			220	U		
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570			220	U		
108-95-2	Phenol	E625	ug/kg	420			47	J		
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214			220	U		
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300			220	U		
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182			19	J		
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL			220	U		
118-74-1	Hexachlorobenzene	E625	ug/kg	20			220	U		
120-12-7	Anthracene	E625	ug/kg	46.9			220	U		
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117			220	U		
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6			220	U		
129-00-0	Pyrene	E625	ug/kg	153			220	U		
131-11-3	Dimethylphthalate	E625	ug/kg	NL			220	U		
132-64-9	Dibenzofuran	E625	ug/kg	7300			220	U		
1912-24-9	Atrazine	E625	ug/kg	6.62			220	U		

				sys_loc_code:	C103		C104		C105	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C103 0-6		C104 0-6		C105 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/22/2009		07/27/2009		07/22/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170			220	U		
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17			220	U		
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148			220	U		
206-44-0	Fluoranthene	E625	ug/kg	113			220	U		
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240			220	U		
208-96-8	Acenaphthylene	E625	ug/kg	5.87			220	U		
218-01-9	Chrysene	E625	ug/kg	108			220	U		
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8			220	U		
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200			420	U		
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611			420	U		
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22			220	U		
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8			220	U		
58-90-2	Chlorophenols	E625	ug/kg	284			220	U		
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000			220	U		
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120			220	U		
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4			220	U		
67-72-1	Hexachloroethane	E625	ug/kg	804			220	U		
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL			220	U		
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139			220	U		
78-59-1	Isophorone	E625	ug/kg	511000			220	U		
83-32-9	Acenaphthene	E625	ug/kg	6.71			220	U		
84-66-2	Diethylphthalate	E625	ug/kg	218			220	U		
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160			220	U		
85-01-8	Phenanthrene	E625	ug/kg	86.7			220	U		
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800			220	U		
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100			220	U		
86-73-7	Fluorene	E625	ug/kg	19			220	U		
86-74-8	Carbazole	E625	ug/kg	NL			220	U		
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110			220	U		
87-86-5	Pentachlorophenol	E625	ug/kg	2970			420	U		
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650			220	U		
88-74-4	2-Nitroaniline	E625	ug/kg	60600			420	U		
88-75-5	2-Nitrophenol	E625	ug/kg	NL			220	U		

				sys_loc_code:	C103		C104		C105	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C103 0-6		C104 0-6		C105 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/22/2009		07/27/2009		07/22/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
91-20-3	Naphthalene	E625	ug/kg	34.6			220	U		
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2			220	U		
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000			220	U		
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080			220	U		
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220			220	U		
95-48-7	2-Methylphenol	E625	ug/kg	306000			220	U		
95-57-8	2-Chlorophenol	E625	ug/kg	344			220	U		
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830			220	U		
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819			220	U		
98-86-2	Acetophenone	E625	ug/kg	782000			42	J		
98-95-3	Nitrobenzene	E625	ug/kg	4790			220	U		
99-09-2	3-Nitroaniline	E625	ug/kg	NL			420	U		

				sys_loc_code:	C106		C107		C108		
				loc_name:	Area-07		Area-11		Area-11		
				sys_sample_code:	C106 0-6		C107 0-6		C108 0-6		
				depth:	0-6 in		0-6 in		0-6 in		
				sample_date:	07/08/2009		07/22/2009		07/22/2009		
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED							
7429-90-5	Aluminum	E200.7	mg/kg	7740	9950	J	4700		1310		
7440-38-2	Arsenic	E200.7	mg/kg	0.389							
7440-70-2	Calcium	E200.7	mg/kg	NL	8210		1750		219	J	
7440-50-8	Copper	E200.7	mg/kg	18.7							
7439-89-6	Iron	E200.7	mg/kg	2000	27400	J	13800		8260		
7439-92-1	Lead	E200.7	mg/kg	30.2							
7439-95-4	Magnesium	E200.7	mg/kg	NL	4510	J	2100		509	J	
7439-96-5	Manganese	E200.7	mg/kg	183							
7440-09-7	Potassium	E200.7	mg/kg	NL	1980	J	1110		291	J	
7440-23-5	Sodium	E200.7	mg/kg	NL	7460		2350		1630		
7440-66-6	Zinc	E200.7	mg/kg	124							
7440-36-0	Antimony	E200.8	mg/kg	2	3.2	J	1.3	U	1.2	U	
7440-38-2	Arsenic	E200.8	mg/kg	0.389	28.7	J	4.4		2.5		
7440-39-3	Barium	E200.8	mg/kg	130.1	43.9	J	8.6	J	6.1	UJ	
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.68		0.36		0.17	J	
7440-43-9	Cadmium	E200.8	mg/kg	0.68	1.2	J	0.33	U	0.31	U	
7440-47-3	Chromium	E200.8	mg/kg	52.3	57.3		10.4		6.4		
7440-48-4	Cobalt	E200.8	mg/kg	2.34	5.2		2.6		0.94		
7440-50-8	Copper	E200.8	mg/kg	18.7	257		5.1		2.9		
7439-92-1	Lead	E200.8	mg/kg	30.2	171	J	7.2	J	4.8	J	
7439-96-5	Manganese	E200.8	mg/kg	183	148		109	J	26.3	J	
7440-02-0	Nickel	E200.8	mg/kg	15.9	16.9	J	5.1		1.7		
7782-49-2	Selenium	E200.8	mg/kg	2	2.5		0.65	U	0.61	U	
7440-22-4	Silver	E200.8	mg/kg	0.73	2.3		0.33	U	0.31	U	
7440-28-0	Thallium	E200.8	mg/kg	100000	0.89	U	0.65	U	0.61	U	
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	33.1	J	18.7	J	12.9	J	
7440-66-6	Zinc	E200.8	mg/kg	124	193		27		16.4		
7439-97-6	Mercury	E245.5	mg/kg	0.13	1.7		0.039	U	0.037	U	
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6							
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357							
309-00-2	Aldrin	CPEST	ug/kg	2							
319-84-6	Alpha-Bhc	CPEST	ug/kg	3							
319-85-7	Beta-Bhc	CPEST	ug/kg	3							

				sys_loc_code:	C106		C107		C108	
				loc_name:	Area-07		Area-11		Area-11	
				sys_sample_code:	C106 0-6		C107 0-6		C108 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/08/2009		07/22/2009		07/22/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
319-86-8	Delta-Bhc	CPEST	ug/kg	3						
33213-65-9	Endosulfan II	CPEST	ug/kg	14						
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19						
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7						
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7						
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL						
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32						
60-57-1	Dieldrin	CPEST	ug/kg	0.72						
72-20-8	Endrin	CPEST	ug/kg	2.67						
72-43-5	Methoxychlor	CPEST	ug/kg	29.6						
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22						
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07						
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL						
76-44-8	Heptachlor	CPEST	ug/kg	68						
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1						
959-98-8	Endosulfan I	CPEST	ug/kg	2.9						
11096-82-5	Aroclor 1260	E608	ug/kg	21.6						
11097-69-1	Aroclor 1254	E608	ug/kg	23						
11100-14-4	Aroclor 1268	E608	ug/kg	21.6						
11104-28-2	Aroclor 1221	E608	ug/kg	21.6						
11141-16-5	Aroclor 1232	E608	ug/kg	21.6						
12672-29-6	Aroclor 1248	E608	ug/kg	21.6						
12674-11-2	Aroclor 1016	E608	ug/kg	21.6						
37324-23-5	Aroclor 1262	E608	ug/kg	21.6						
53469-21-9	Aroclor 1242	E608	ug/kg	21.6						
100-41-4	Ethylbenzene	E624	ug/kg	305						
100-42-5	Styrene	E624	ug/kg	7070						
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL						
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL						
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460						
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7						
107-06-2	1,2-Dichloroethane	E624	ug/kg	432						
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000						

				sys_loc_code:	C106		C107		C108	
				loc_name:	Area-07		Area-11		Area-11	
				sys_sample_code:	C106 0-6		C107 0-6		C108 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/08/2009		07/22/2009		07/22/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
108-87-2	Methylcyclohexane	E624	ug/kg	NL						
108-88-3	Toluene	E624	ug/kg	1090						
108-90-7	Chlorobenzene	E624	ug/kg	162						
110-82-7	Cyclohexane	E624	ug/kg	117000						
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473						
123-91-1	1,4-Dioxane	E624	ug/kg	44100						
124-48-1	Dibromochloromethane	E624	ug/kg	680						
127-18-4	Tetrachloroethene	E624	ug/kg	190						
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200						
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300						
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300						
179601-23-1	m,p-Xylene	E624	ug/kg	NL						
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842						
56-23-5	Carbon tetrachloride	E624	ug/kg	248						
591-78-6	2-Hexanone	E624	ug/kg	20900						
67-64-1	Acetone	E624	ug/kg	6130000						
67-66-3	Chloroform	E624	ug/kg	295						
71-43-2	Benzene	E624	ug/kg	137						
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856						
74-83-9	Bromomethane	E624	ug/kg	732						
74-87-3	Chloromethane	E624	ug/kg	11900						
74-97-5	Bromochloromethane	E624	ug/kg	NL						
75-00-3	Chloroethane	E624	ug/kg	1450000						
75-01-4	Vinyl Chloride	E624	ug/kg	59.7						
75-09-2	Methylene chloride	E624	ug/kg	10700						
75-15-0	Carbon Disulfide	E624	ug/kg	0.851						
75-25-2	Bromoform	E624	ug/kg	1310						
75-27-4	Bromodichloromethane	E624	ug/kg	273						
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310						
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780						
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700						
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400						
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000						

				sys_loc_code:	C106		C107		C108	
				loc_name:	Area-07		Area-11		Area-11	
				sys_sample_code:	C106 0-6		C107 0-6		C108 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/08/2009		07/22/2009		07/22/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
78-87-5	1,2-Dichloropropane	E624	ug/kg	895						
78-93-3	2-Butanone	E624	ug/kg	2780000						
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570						
79-01-6	Trichloroethene	E624	ug/kg	1600						
79-20-9	Methyl Acetate	E624	ug/kg	7820000						
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202						
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858						
95-47-6	o-Xylene	E624	ug/kg	NL						
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989						
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35						
98-82-8	Isopropylbenzene	E624	ug/kg	86						
100-01-6	4-Nitroaniline	E625	ug/kg	24300						
100-02-7	4-Nitrophenol	E625	ug/kg	NL						
100-52-7	Benzaldehyde	E625	ug/kg	782000						
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230						
105-60-2	Caprolactam	E625	ug/kg	3060000						
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29						
106-44-5	4-Methylphenol	E625	ug/kg	670						
106-47-8	4-Chloroaniline	E625	ug/kg	2430						
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570						
108-95-2	Phenol	E625	ug/kg	420						
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214						
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300						
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182						
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL						
118-74-1	Hexachlorobenzene	E625	ug/kg	20						
120-12-7	Anthracene	E625	ug/kg	46.9						
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117						
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6						
129-00-0	Pyrene	E625	ug/kg	153						
131-11-3	Dimethylphthalate	E625	ug/kg	NL						
132-64-9	Dibenzofuran	E625	ug/kg	7300						
1912-24-9	Atrazine	E625	ug/kg	6.62						

				sys_loc_code:	C106		C107		C108	
				loc_name:	Area-07		Area-11		Area-11	
				sys_sample_code:	C106 0-6		C107 0-6		C108 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/08/2009		07/22/2009		07/22/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170						
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17						
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148						
206-44-0	Fluoranthene	E625	ug/kg	113						
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240						
208-96-8	Acenaphthylene	E625	ug/kg	5.87						
218-01-9	Chrysene	E625	ug/kg	108						
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8						
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200						
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611						
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22						
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8						
58-90-2	Chlorophenols	E625	ug/kg	284						
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000						
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120						
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4						
67-72-1	Hexachloroethane	E625	ug/kg	804						
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL						
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139						
78-59-1	Isophorone	E625	ug/kg	511000						
83-32-9	Acenaphthene	E625	ug/kg	6.71						
84-66-2	Diethylphthalate	E625	ug/kg	218						
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160						
85-01-8	Phenanthrene	E625	ug/kg	86.7						
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800						
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100						
86-73-7	Fluorene	E625	ug/kg	19						
86-74-8	Carbazole	E625	ug/kg	NL						
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110						
87-86-5	Pentachlorophenol	E625	ug/kg	2970						
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650						
88-74-4	2-Nitroaniline	E625	ug/kg	60600						
88-75-5	2-Nitrophenol	E625	ug/kg	NL						

				sys_loc_code:	C106		C107		C108	
				loc_name:	Area-07		Area-11		Area-11	
				sys_sample_code:	C106 0-6		C107 0-6		C108 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/08/2009		07/22/2009		07/22/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
91-20-3	Naphthalene	E625	ug/kg	34.6						
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2						
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000						
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080						
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220						
95-48-7	2-Methylphenol	E625	ug/kg	306000						
95-57-8	2-Chlorophenol	E625	ug/kg	344						
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830						
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819						
98-86-2	Acetophenone	E625	ug/kg	782000						
98-95-3	Nitrobenzene	E625	ug/kg	4790						
99-09-2	3-Nitroaniline	E625	ug/kg	NL						

				sys_loc_code:	C109		C13		C14		
				loc_name:	Area-11		Area-11		Area-11		
				sys_sample_code:	C109 0-6		C13 0-6		C14 0-6		
				depth:	0-6 in		0-6 in		0-6 in		
				sample_date:	07/22/2009		07/10/2009		07/10/2009		
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED							
7429-90-5	Aluminum	E200.7	mg/kg	7740	1460		2690	J			
7440-38-2	Arsenic	E200.7	mg/kg	0.389							
7440-70-2	Calcium	E200.7	mg/kg	NL	234	J	372	J			
7440-50-8	Copper	E200.7	mg/kg	18.7							
7439-89-6	Iron	E200.7	mg/kg	2000	10800		33700	J			
7439-92-1	Lead	E200.7	mg/kg	30.2							
7439-95-4	Magnesium	E200.7	mg/kg	NL	511	J	402	J			
7439-96-5	Manganese	E200.7	mg/kg	183							
7440-09-7	Potassium	E200.7	mg/kg	NL	300	J	608	U			
7440-23-5	Sodium	E200.7	mg/kg	NL	1540		998				
7440-66-6	Zinc	E200.7	mg/kg	124							
7440-36-0	Antimony	E200.8	mg/kg	2	1.2	U	1.2	U	1	U	
7440-38-2	Arsenic	E200.8	mg/kg	0.389	4.1		8.7	J	6.4	J	
7440-39-3	Barium	E200.8	mg/kg	130.1	6.2	UJ	2.2	J	2	J	
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.19	J	1	J	0.46	J	
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.31	U	0.3	U	0.043	J	
7440-47-3	Chromium	E200.8	mg/kg	52.3	8		43.1	J	18.1	J	
7440-48-4	Cobalt	E200.8	mg/kg	2.34	1.3		1.3		1.1		
7440-50-8	Copper	E200.8	mg/kg	18.7	6.3		8.3	J	9.4		
7439-92-1	Lead	E200.8	mg/kg	30.2	9.4	J	36.6		13.5		
7439-96-5	Manganese	E200.8	mg/kg	183	29.1	J	37.5	J	54.9		
7440-02-0	Nickel	E200.8	mg/kg	15.9	3.2		3.8		2.9	J	
7782-49-2	Selenium	E200.8	mg/kg	2	0.3	J	0.6	U	0.52	U	
7440-22-4	Silver	E200.8	mg/kg	0.73	0.31	U	0.3	U	0.26	U	
7440-28-0	Thallium	E200.8	mg/kg	100000	0.62	U	0.6	U	0.52	U	
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	15	J	38.2	J	27.1	J	
7440-66-6	Zinc	E200.8	mg/kg	124	30.5		55.3		37.6		
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.041		0.036	U	0.032	U	
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6							
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357							
309-00-2	Aldrin	CPEST	ug/kg	2							
319-84-6	Alpha-Bhc	CPEST	ug/kg	3							
319-85-7	Beta-Bhc	CPEST	ug/kg	3							

				sys_loc_code:	C109		C13		C14	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C109 0-6		C13 0-6		C14 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/22/2009		07/10/2009		07/10/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
319-86-8	Delta-Bhc	CPEST	ug/kg	3						
33213-65-9	Endosulfan II	CPEST	ug/kg	14						
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19						
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7						
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7						
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL						
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32						
60-57-1	Dieldrin	CPEST	ug/kg	0.72						
72-20-8	Endrin	CPEST	ug/kg	2.67						
72-43-5	Methoxychlor	CPEST	ug/kg	29.6						
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22						
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07						
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL						
76-44-8	Heptachlor	CPEST	ug/kg	68						
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1						
959-98-8	Endosulfan I	CPEST	ug/kg	2.9						
11096-82-5	Aroclor 1260	E608	ug/kg	21.6						
11097-69-1	Aroclor 1254	E608	ug/kg	23						
11100-14-4	Aroclor 1268	E608	ug/kg	21.6						
11104-28-2	Aroclor 1221	E608	ug/kg	21.6						
11141-16-5	Aroclor 1232	E608	ug/kg	21.6						
12672-29-6	Aroclor 1248	E608	ug/kg	21.6						
12674-11-2	Aroclor 1016	E608	ug/kg	21.6						
37324-23-5	Aroclor 1262	E608	ug/kg	21.6						
53469-21-9	Aroclor 1242	E608	ug/kg	21.6						
100-41-4	Ethylbenzene	E624	ug/kg	305						
100-42-5	Styrene	E624	ug/kg	7070						
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL						
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL						
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460						
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7						
107-06-2	1,2-Dichloroethane	E624	ug/kg	432						
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000						

				sys_loc_code:	C109		C13		C14	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C109 0-6		C13 0-6		C14 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/22/2009		07/10/2009		07/10/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
108-87-2	Methylcyclohexane	E624	ug/kg	NL						
108-88-3	Toluene	E624	ug/kg	1090						
108-90-7	Chlorobenzene	E624	ug/kg	162						
110-82-7	Cyclohexane	E624	ug/kg	117000						
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473						
123-91-1	1,4-Dioxane	E624	ug/kg	44100						
124-48-1	Dibromochloromethane	E624	ug/kg	680						
127-18-4	Tetrachloroethene	E624	ug/kg	190						
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200						
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300						
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300						
179601-23-1	m,p-Xylene	E624	ug/kg	NL						
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842						
56-23-5	Carbon tetrachloride	E624	ug/kg	248						
591-78-6	2-Hexanone	E624	ug/kg	20900						
67-64-1	Acetone	E624	ug/kg	6130000						
67-66-3	Chloroform	E624	ug/kg	295						
71-43-2	Benzene	E624	ug/kg	137						
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856						
74-83-9	Bromomethane	E624	ug/kg	732						
74-87-3	Chloromethane	E624	ug/kg	11900						
74-97-5	Bromochloromethane	E624	ug/kg	NL						
75-00-3	Chloroethane	E624	ug/kg	1450000						
75-01-4	Vinyl Chloride	E624	ug/kg	59.7						
75-09-2	Methylene chloride	E624	ug/kg	10700						
75-15-0	Carbon Disulfide	E624	ug/kg	0.851						
75-25-2	Bromoform	E624	ug/kg	1310						
75-27-4	Bromodichloromethane	E624	ug/kg	273						
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310						
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780						
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700						
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400						
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000						

				sys_loc_code:	C109		C13		C14	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C109 0-6		C13 0-6		C14 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/22/2009		07/10/2009		07/10/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
78-87-5	1,2-Dichloropropane	E624	ug/kg	895						
78-93-3	2-Butanone	E624	ug/kg	2780000						
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570						
79-01-6	Trichloroethene	E624	ug/kg	1600						
79-20-9	Methyl Acetate	E624	ug/kg	7820000						
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202						
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858						
95-47-6	o-Xylene	E624	ug/kg	NL						
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989						
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35						
98-82-8	Isopropylbenzene	E624	ug/kg	86						
100-01-6	4-Nitroaniline	E625	ug/kg	24300						
100-02-7	4-Nitrophenol	E625	ug/kg	NL						
100-52-7	Benzaldehyde	E625	ug/kg	782000						
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230						
105-60-2	Caprolactam	E625	ug/kg	3060000						
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29						
106-44-5	4-Methylphenol	E625	ug/kg	670						
106-47-8	4-Chloroaniline	E625	ug/kg	2430						
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570						
108-95-2	Phenol	E625	ug/kg	420						
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214						
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300						
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182						
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL						
118-74-1	Hexachlorobenzene	E625	ug/kg	20						
120-12-7	Anthracene	E625	ug/kg	46.9						
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117						
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6						
129-00-0	Pyrene	E625	ug/kg	153						
131-11-3	Dimethylphthalate	E625	ug/kg	NL						
132-64-9	Dibenzofuran	E625	ug/kg	7300						
1912-24-9	Atrazine	E625	ug/kg	6.62						

				sys_loc_code:	C109		C13		C14	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C109 0-6		C13 0-6		C14 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/22/2009		07/10/2009		07/10/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170						
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17						
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148						
206-44-0	Fluoranthene	E625	ug/kg	113						
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240						
208-96-8	Acenaphthylene	E625	ug/kg	5.87						
218-01-9	Chrysene	E625	ug/kg	108						
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8						
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200						
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611						
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22						
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8						
58-90-2	Chlorophenols	E625	ug/kg	284						
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000						
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120						
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4						
67-72-1	Hexachloroethane	E625	ug/kg	804						
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL						
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139						
78-59-1	Isophorone	E625	ug/kg	511000						
83-32-9	Acenaphthene	E625	ug/kg	6.71						
84-66-2	Diethylphthalate	E625	ug/kg	218						
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160						
85-01-8	Phenanthrene	E625	ug/kg	86.7						
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800						
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100						
86-73-7	Fluorene	E625	ug/kg	19						
86-74-8	Carbazole	E625	ug/kg	NL						
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110						
87-86-5	Pentachlorophenol	E625	ug/kg	2970						
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650						
88-74-4	2-Nitroaniline	E625	ug/kg	60600						
88-75-5	2-Nitrophenol	E625	ug/kg	NL						

				sys_loc_code:	C109		C13		C14	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C109 0-6		C13 0-6		C14 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/22/2009		07/10/2009		07/10/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
91-20-3	Naphthalene	E625	ug/kg	34.6						
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2						
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000						
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080						
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220						
95-48-7	2-Methylphenol	E625	ug/kg	306000						
95-57-8	2-Chlorophenol	E625	ug/kg	344						
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830						
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819						
98-86-2	Acetophenone	E625	ug/kg	782000						
98-95-3	Nitrobenzene	E625	ug/kg	4790						
99-09-2	3-Nitroaniline	E625	ug/kg	NL						

					sys_loc_code:	C20		C21		C22	
					loc_name:	Area-11		Area-11		Area-11	
					sys_sample_code:	C20 0-6		C21 0-6		C22 0-6	
					depth:	0-6 in		0-6 in		0-6 in	
					sample_date:	07/09/2009		07/10/2009		07/09/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED							
7429-90-5	Aluminum	E200.7	mg/kg	7740		3500		2370	J	5730	J
7440-38-2	Arsenic	E200.7	mg/kg	0.389		17.4	J			29.2	
7440-70-2	Calcium	E200.7	mg/kg	NL		368	J	154	J	686	J
7440-50-8	Copper	E200.7	mg/kg	18.7		12.4	J			13.8	J
7439-89-6	Iron	E200.7	mg/kg	2000		43400	J	27100	J	34700	J
7439-92-1	Lead	E200.7	mg/kg	30.2		17.6	J			28.4	
7439-95-4	Magnesium	E200.7	mg/kg	NL		543	J	327	J	2280	J
7439-96-5	Manganese	E200.7	mg/kg	183		43.6				150	J
7440-09-7	Potassium	E200.7	mg/kg	NL		406	J	645	U	1020	J
7440-23-5	Sodium	E200.7	mg/kg	NL		1470	J	630	J	2320	J
7440-66-6	Zinc	E200.7	mg/kg	124		44.8	J			58.8	J
7440-36-0	Antimony	E200.8	mg/kg	2		1.1	U	1.3	U	1.4	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389				9.5	J		
7440-39-3	Barium	E200.8	mg/kg	130.1		2.2	J	1.9	J	20	
7440-41-7	Beryllium	E200.8	mg/kg	15.6		0.8		0.44	J	0.96	
7440-43-9	Cadmium	E200.8	mg/kg	0.68		0.27	U	0.32	U	0.34	U
7440-47-3	Chromium	E200.8	mg/kg	52.3		17.8	J	16.6	J	31.4	
7440-48-4	Cobalt	E200.8	mg/kg	2.34		0.94	J	0.66		5.2	
7440-50-8	Copper	E200.8	mg/kg	18.7				5	J		
7439-92-1	Lead	E200.8	mg/kg	30.2				6.1			
7439-96-5	Manganese	E200.8	mg/kg	183				20.3	J		
7440-02-0	Nickel	E200.8	mg/kg	15.9		3	J	1.8		11.6	
7782-49-2	Selenium	E200.8	mg/kg	2		0.26	J	0.65	U	0.43	J
7440-22-4	Silver	E200.8	mg/kg	0.73		0.27	UJ	0.32	U	0.34	UJ
7440-28-0	Thallium	E200.8	mg/kg	100000		0.53	U	0.65	U	0.68	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548		36.9	J	51.5	J	43.1	
7440-66-6	Zinc	E200.8	mg/kg	124				20.3			
7439-97-6	Mercury	E245.5	mg/kg	0.13		0.046		0.039	U	0.4	
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6							
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357							
309-00-2	Aldrin	CPEST	ug/kg	2							
319-84-6	Alpha-Bhc	CPEST	ug/kg	3							
319-85-7	Beta-Bhc	CPEST	ug/kg	3							

				sys_loc_code:	C20		C21		C22	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C20 0-6		C21 0-6		C22 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/09/2009		07/10/2009		07/09/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
319-86-8	Delta-Bhc	CPEST	ug/kg	3						
33213-65-9	Endosulfan II	CPEST	ug/kg	14						
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19						
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7						
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7						
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL						
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32						
60-57-1	Dieldrin	CPEST	ug/kg	0.72						
72-20-8	Endrin	CPEST	ug/kg	2.67						
72-43-5	Methoxychlor	CPEST	ug/kg	29.6						
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22						
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07						
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL						
76-44-8	Heptachlor	CPEST	ug/kg	68						
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1						
959-98-8	Endosulfan I	CPEST	ug/kg	2.9						
11096-82-5	Aroclor 1260	E608	ug/kg	21.6						
11097-69-1	Aroclor 1254	E608	ug/kg	23						
11100-14-4	Aroclor 1268	E608	ug/kg	21.6						
11104-28-2	Aroclor 1221	E608	ug/kg	21.6						
11141-16-5	Aroclor 1232	E608	ug/kg	21.6						
12672-29-6	Aroclor 1248	E608	ug/kg	21.6						
12674-11-2	Aroclor 1016	E608	ug/kg	21.6						
37324-23-5	Aroclor 1262	E608	ug/kg	21.6						
53469-21-9	Aroclor 1242	E608	ug/kg	21.6						
100-41-4	Ethylbenzene	E624	ug/kg	305						
100-42-5	Styrene	E624	ug/kg	7070						
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL						
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL						
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460						
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7						
107-06-2	1,2-Dichloroethane	E624	ug/kg	432						
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000						

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				sys_loc_code:	C20		C21		C22	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C20 0-6		C21 0-6		C22 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/09/2009		07/10/2009		07/09/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
108-87-2	Methylcyclohexane	E624	ug/kg	NL						
108-88-3	Toluene	E624	ug/kg	1090						
108-90-7	Chlorobenzene	E624	ug/kg	162						
110-82-7	Cyclohexane	E624	ug/kg	117000						
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473						
123-91-1	1,4-Dioxane	E624	ug/kg	44100						
124-48-1	Dibromochloromethane	E624	ug/kg	680						
127-18-4	Tetrachloroethene	E624	ug/kg	190						
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200						
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300						
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300						
179601-23-1	m,p-Xylene	E624	ug/kg	NL						
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842						
56-23-5	Carbon tetrachloride	E624	ug/kg	248						
591-78-6	2-Hexanone	E624	ug/kg	20900						
67-64-1	Acetone	E624	ug/kg	6130000						
67-66-3	Chloroform	E624	ug/kg	295						
71-43-2	Benzene	E624	ug/kg	137						
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856						
74-83-9	Bromomethane	E624	ug/kg	732						
74-87-3	Chloromethane	E624	ug/kg	11900						
74-97-5	Bromochloromethane	E624	ug/kg	NL						
75-00-3	Chloroethane	E624	ug/kg	1450000						
75-01-4	Vinyl Chloride	E624	ug/kg	59.7						
75-09-2	Methylene chloride	E624	ug/kg	10700						
75-15-0	Carbon Disulfide	E624	ug/kg	0.851						
75-25-2	Bromoform	E624	ug/kg	1310						
75-27-4	Bromodichloromethane	E624	ug/kg	273						
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310						
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780						
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700						
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400						
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000						

				sys_loc_code:	C20		C21		C22	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C20 0-6		C21 0-6		C22 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/09/2009		07/10/2009		07/09/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
78-87-5	1,2-Dichloropropane	E624	ug/kg	895						
78-93-3	2-Butanone	E624	ug/kg	2780000						
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570						
79-01-6	Trichloroethene	E624	ug/kg	1600						
79-20-9	Methyl Acetate	E624	ug/kg	7820000						
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202						
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858						
95-47-6	o-Xylene	E624	ug/kg	NL						
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989						
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35						
98-82-8	Isopropylbenzene	E624	ug/kg	86						
100-01-6	4-Nitroaniline	E625	ug/kg	24300						
100-02-7	4-Nitrophenol	E625	ug/kg	NL						
100-52-7	Benzaldehyde	E625	ug/kg	782000						
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230						
105-60-2	Caprolactam	E625	ug/kg	3060000						
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29						
106-44-5	4-Methylphenol	E625	ug/kg	670						
106-47-8	4-Chloroaniline	E625	ug/kg	2430						
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570						
108-95-2	Phenol	E625	ug/kg	420						
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214						
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300						
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182						
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL						
118-74-1	Hexachlorobenzene	E625	ug/kg	20						
120-12-7	Anthracene	E625	ug/kg	46.9						
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117						
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6						
129-00-0	Pyrene	E625	ug/kg	153						
131-11-3	Dimethylphthalate	E625	ug/kg	NL						
132-64-9	Dibenzofuran	E625	ug/kg	7300						
1912-24-9	Atrazine	E625	ug/kg	6.62						

				sys_loc_code:	C20		C21		C22	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C20 0-6		C21 0-6		C22 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/09/2009		07/10/2009		07/09/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170						
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17						
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148						
206-44-0	Fluoranthene	E625	ug/kg	113						
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240						
208-96-8	Acenaphthylene	E625	ug/kg	5.87						
218-01-9	Chrysene	E625	ug/kg	108						
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8						
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200						
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611						
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22						
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8						
58-90-2	Chlorophenols	E625	ug/kg	284						
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000						
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120						
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4						
67-72-1	Hexachloroethane	E625	ug/kg	804						
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL						
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139						
78-59-1	Isophorone	E625	ug/kg	511000						
83-32-9	Acenaphthene	E625	ug/kg	6.71						
84-66-2	Diethylphthalate	E625	ug/kg	218						
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160						
85-01-8	Phenanthrene	E625	ug/kg	86.7						
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800						
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100						
86-73-7	Fluorene	E625	ug/kg	19						
86-74-8	Carbazole	E625	ug/kg	NL						
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110						
87-86-5	Pentachlorophenol	E625	ug/kg	2970						
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650						
88-74-4	2-Nitroaniline	E625	ug/kg	60600						
88-75-5	2-Nitrophenol	E625	ug/kg	NL						

				sys_loc_code:	C20		C21		C22	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C20 0-6		C21 0-6		C22 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/09/2009		07/10/2009		07/09/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
91-20-3	Naphthalene	E625	ug/kg	34.6						
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2						
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000						
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080						
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220						
95-48-7	2-Methylphenol	E625	ug/kg	306000						
95-57-8	2-Chlorophenol	E625	ug/kg	344						
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830						
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819						
98-86-2	Acetophenone	E625	ug/kg	782000						
98-95-3	Nitrobenzene	E625	ug/kg	4790						
99-09-2	3-Nitroaniline	E625	ug/kg	NL						

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				sys_loc_code:	C23		C24		C30		
				loc_name:	Area-11		Area-11		Area-11		
				sys_sample_code:	C23 0-6		C24 0-6		C30 0-6		
				depth:	0-6 in		0-6 in		0-6 in		
				sample_date:	07/09/2009		07/09/2009		07/10/2009		
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED							
7429-90-5	Aluminum	E200.7	mg/kg	7740	13500	J	1350				
7440-38-2	Arsenic	E200.7	mg/kg	0.389			7.6	J			
7440-70-2	Calcium	E200.7	mg/kg	NL	1400	J	303	J			
7440-50-8	Copper	E200.7	mg/kg	18.7			10.7	J			
7439-89-6	Iron	E200.7	mg/kg	2000	28100	J	21600	J			
7439-92-1	Lead	E200.7	mg/kg	30.2			10	J			
7439-95-4	Magnesium	E200.7	mg/kg	NL	5250	J	363	J			
7439-96-5	Manganese	E200.7	mg/kg	183			65.9				
7440-09-7	Potassium	E200.7	mg/kg	NL	2420	J	161	J			
7440-23-5	Sodium	E200.7	mg/kg	NL	6830	J	851	J			
7440-66-6	Zinc	E200.7	mg/kg	124			33.8	J			
7440-36-0	Antimony	E200.8	mg/kg	2	2.1	UJ	1.1	U	1.2	U	
7440-38-2	Arsenic	E200.8	mg/kg	0.389	86.4	J			7.7	J	
7440-39-3	Barium	E200.8	mg/kg	130.1	24.4	J	5.3	U	2.8	J	
7440-41-7	Beryllium	E200.8	mg/kg	15.6	1.1	J	0.27		0.48	J	
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.85	J	0.27	U	0.25	J	
7440-47-3	Chromium	E200.8	mg/kg	52.3	34.7	J	10.1	J	23.8	J	
7440-48-4	Cobalt	E200.8	mg/kg	2.34	10.9	J	0.93	J	1.9		
7440-50-8	Copper	E200.8	mg/kg	18.7	145	J			18.2		
7439-92-1	Lead	E200.8	mg/kg	30.2	170	J			19.1		
7439-96-5	Manganese	E200.8	mg/kg	183	155	J			38		
7440-02-0	Nickel	E200.8	mg/kg	15.9	48.3	J	2.1	J	6.5	J	
7782-49-2	Selenium	E200.8	mg/kg	2	5.7	J	0.12	J	0.62	U	
7440-22-4	Silver	E200.8	mg/kg	0.73	0.99	J	0.27	UJ	0.31	U	
7440-28-0	Thallium	E200.8	mg/kg	100000	1.1	UJ	0.53	U	0.62	U	
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	37.5	J	17.6	J	59.6	J	
7440-66-6	Zinc	E200.8	mg/kg	124	243	J			54.4		
7439-97-6	Mercury	E245.5	mg/kg	0.13	1.9	J	0.034	U	0.095		
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6	3.3	U					
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357	6.3	U					
309-00-2	Aldrin	CPEST	ug/kg	2	3.3	U					
319-84-6	Alpha-Bhc	CPEST	ug/kg	3	3.3	U					
319-85-7	Beta-Bhc	CPEST	ug/kg	3	3.3	U					

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				sys_loc_code:	C23		C24		C30	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C23 0-6		C24 0-6		C30 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/09/2009		07/09/2009		07/10/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
319-86-8	Delta-Bhc	CPEST	ug/kg	3	3.3	U				
33213-65-9	Endosulfan II	CPEST	ug/kg	14	0.24	J				
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19	6.3	UJ				
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7	3.3	U				
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7	3.3	U				
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL	6.3	U				
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32	3.3	U				
60-57-1	Dieldrin	CPEST	ug/kg	0.72	6.3	U				
72-20-8	Endrin	CPEST	ug/kg	2.67	6.3	U				
72-43-5	Methoxychlor	CPEST	ug/kg	29.6	33	U				
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22	6.3	U				
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07	6.3	U				
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL	6.3	U				
76-44-8	Heptachlor	CPEST	ug/kg	68	3.3	U				
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1	330	U				
959-98-8	Endosulfan I	CPEST	ug/kg	2.9	3.3	U				
11096-82-5	Aroclor 1260	E608	ug/kg	21.6	63	U				
11097-69-1	Aroclor 1254	E608	ug/kg	23	63	U				
11100-14-4	Aroclor 1268	E608	ug/kg	21.6	63	U				
11104-28-2	Aroclor 1221	E608	ug/kg	21.6	63	U				
11141-16-5	Aroclor 1232	E608	ug/kg	21.6	63	U				
12672-29-6	Aroclor 1248	E608	ug/kg	21.6	63	U				
12674-11-2	Aroclor 1016	E608	ug/kg	21.6	63	U				
37324-23-5	Aroclor 1262	E608	ug/kg	21.6	63	U				
53469-21-9	Aroclor 1242	E608	ug/kg	21.6	63	U				
100-41-4	Ethylbenzene	E624	ug/kg	305	11	U				
100-42-5	Styrene	E624	ug/kg	7070	11	U				
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL	11	U				
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL	11	U				
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460	11	U				
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7	11	U				
107-06-2	1,2-Dichloroethane	E624	ug/kg	432	11	U				
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000	23	U				

				sys_loc_code:	C23		C24		C30	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C23 0-6		C24 0-6		C30 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/09/2009		07/09/2009		07/10/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
108-87-2	Methylcyclohexane	E624	ug/kg	NL	11	U				
108-88-3	Toluene	E624	ug/kg	1090	11	U				
108-90-7	Chlorobenzene	E624	ug/kg	162	11	U				
110-82-7	Cyclohexane	E624	ug/kg	117000	11	U				
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473	11	U				
123-91-1	1,4-Dioxane	E624	ug/kg	44100	230	R				
124-48-1	Dibromochloromethane	E624	ug/kg	680	11	U				
127-18-4	Tetrachloroethene	E624	ug/kg	190	11	U				
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200	11	U				
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300	11	U				
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300	11	U				
179601-23-1	m,p-Xylene	E624	ug/kg	NL	11	U				
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842	11	U				
56-23-5	Carbon tetrachloride	E624	ug/kg	248	11	U				
591-78-6	2-Hexanone	E624	ug/kg	20900	23	U				
67-64-1	Acetone	E624	ug/kg	6130000	23	U				
67-66-3	Chloroform	E624	ug/kg	295	11	U				
71-43-2	Benzene	E624	ug/kg	137	11	U				
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856	11	U				
74-83-9	Bromomethane	E624	ug/kg	732	11	U				
74-87-3	Chloromethane	E624	ug/kg	11900	11	U				
74-97-5	Bromochloromethane	E624	ug/kg	NL	11	U				
75-00-3	Chloroethane	E624	ug/kg	1450000	11	U				
75-01-4	Vinyl Chloride	E624	ug/kg	59.7	11	U				
75-09-2	Methylene chloride	E624	ug/kg	10700	11	U				
75-15-0	Carbon Disulfide	E624	ug/kg	0.851	4.7	J				
75-25-2	Bromoform	E624	ug/kg	1310	11	U				
75-27-4	Bromodichloromethane	E624	ug/kg	273	11	U				
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310	11	U				
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780	11	U				
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700	11	U				
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400	11	U				
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000	11	U				

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				sys_loc_code:	C23		C24		C30	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C23 0-6		C24 0-6		C30 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/09/2009		07/09/2009		07/10/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
78-87-5	1,2-Dichloropropane	E624	ug/kg	895	11	U				
78-93-3	2-Butanone	E624	ug/kg	2780000	23	U				
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570	11	U				
79-01-6	Trichloroethene	E624	ug/kg	1600	11	U				
79-20-9	Methyl Acetate	E624	ug/kg	7820000	11	U				
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202	11	U				
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858	11	U				
95-47-6	o-Xylene	E624	ug/kg	NL	11	U				
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989	11	U				
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35	11	U				
98-82-8	Isopropylbenzene	E624	ug/kg	86	11	U				
100-01-6	4-Nitroaniline	E625	ug/kg	24300	630	U				
100-02-7	4-Nitrophenol	E625	ug/kg	NL	630	U				
100-52-7	Benzaldehyde	E625	ug/kg	782000	44	J				
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230	330	U				
105-60-2	Caprolactam	E625	ug/kg	3060000	330	U				
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29	330	U				
106-44-5	4-Methylphenol	E625	ug/kg	670	38	J				
106-47-8	4-Chloroaniline	E625	ug/kg	2430	330	U				
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570	330	U				
108-95-2	Phenol	E625	ug/kg	420	36	J				
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214	330	U				
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300	330	U				
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182	23	J				
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL	330	U				
118-74-1	Hexachlorobenzene	E625	ug/kg	20	330	U				
120-12-7	Anthracene	E625	ug/kg	46.9	18	J				
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117	330	U				
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6	330	U				
129-00-0	Pyrene	E625	ug/kg	153	73	J				
131-11-3	Dimethylphthalate	E625	ug/kg	NL	330	U				
132-64-9	Dibenzofuran	E625	ug/kg	7300	330	U				
1912-24-9	Atrazine	E625	ug/kg	6.62	330	U				

				sys_loc_code:	C23		C24		C30	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C23 0-6		C24 0-6		C30 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/09/2009		07/09/2009		07/10/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170	33	J				
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17	32	J				
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148	63	J				
206-44-0	Fluoranthene	E625	ug/kg	113	67	J				
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240	16	J				
208-96-8	Acenaphthylene	E625	ug/kg	5.87	330	U				
218-01-9	Chrysene	E625	ug/kg	108	45	J				
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8	61	J				
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200	630	U				
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611	630	U				
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22	330	U				
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8	49	J				
58-90-2	Chlorophenols	E625	ug/kg	284	330	U				
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000	330	U				
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120	330	U				
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4	330	U				
67-72-1	Hexachloroethane	E625	ug/kg	804	330	U				
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL	330	U				
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139	330	U				
78-59-1	Isophorone	E625	ug/kg	511000	330	U				
83-32-9	Acenaphthene	E625	ug/kg	6.71	330	U				
84-66-2	Diethylphthalate	E625	ug/kg	218	330	U				
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160	11	J				
85-01-8	Phenanthrene	E625	ug/kg	86.7	33	J				
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800	330	U				
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100	330	U				
86-73-7	Fluorene	E625	ug/kg	19	330	U				
86-74-8	Carbazole	E625	ug/kg	NL	330	U				
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110	330	U				
87-86-5	Pentachlorophenol	E625	ug/kg	2970	630	U				
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650	330	U				
88-74-4	2-Nitroaniline	E625	ug/kg	60600	630	U				
88-75-5	2-Nitrophenol	E625	ug/kg	NL	330	U				

				sys_loc_code:	C23		C24		C30	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C23 0-6		C24 0-6		C30 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/09/2009		07/09/2009		07/10/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
91-20-3	Naphthalene	E625	ug/kg	34.6	33	J				
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2	11	J				
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000	330	U				
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080	330	U				
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220	330	U				
95-48-7	2-Methylphenol	E625	ug/kg	306000	330	U				
95-57-8	2-Chlorophenol	E625	ug/kg	344	330	U				
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830	330	U				
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819	330	U				
98-86-2	Acetophenone	E625	ug/kg	782000	37	J				
98-95-3	Nitrobenzene	E625	ug/kg	4790	330	U				
99-09-2	3-Nitroaniline	E625	ug/kg	NL	630	U				

				sys_loc_code:	C31			C32		C33	
				loc_name:	Area-11			Area-11		Area-11	
				sys_sample_code:	C31 0-6			C32 0-6		C33 0-6	
				depth:	0-6 in			0-6 in		0-6 in	
				sample_date:	07/10/2009			07/10/2009		07/10/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED							
7429-90-5	Aluminum	E200.7	mg/kg	7740	2500	J		2630	J	2410	J
7440-38-2	Arsenic	E200.7	mg/kg	0.389							
7440-70-2	Calcium	E200.7	mg/kg	NL	676	J		399	J	635	UJ
7440-50-8	Copper	E200.7	mg/kg	18.7							
7439-89-6	Iron	E200.7	mg/kg	2000	19100	J		20800	J	16000	J
7439-92-1	Lead	E200.7	mg/kg	30.2							
7439-95-4	Magnesium	E200.7	mg/kg	NL	751			688		635	UJ
7439-96-5	Manganese	E200.7	mg/kg	183							
7440-09-7	Potassium	E200.7	mg/kg	NL	614	U		608	U	635	UJ
7440-23-5	Sodium	E200.7	mg/kg	NL	1790			1720		1500	J
7440-66-6	Zinc	E200.7	mg/kg	124							
7440-36-0	Antimony	E200.8	mg/kg	2	1.2	U		1.2	U	1.3	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389	9.8	J		6.8	J	8.8	J
7440-39-3	Barium	E200.8	mg/kg	130.1	3.1	J		2.3	J	3.9	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.4	J		0.4	J	0.36	
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.34			0.33		0.34	
7440-47-3	Chromium	E200.8	mg/kg	52.3	12.3	J		23.2	J	13.8	
7440-48-4	Cobalt	E200.8	mg/kg	2.34	1.8			1.2		2.4	
7440-50-8	Copper	E200.8	mg/kg	18.7	22.9	J		15.6	J	23.7	
7439-92-1	Lead	E200.8	mg/kg	30.2	25.2			14		34.4	
7439-96-5	Manganese	E200.8	mg/kg	183	38.1	J		34.4	J	22.2	
7440-02-0	Nickel	E200.8	mg/kg	15.9	5.3			3.5		5.2	
7782-49-2	Selenium	E200.8	mg/kg	2	0.35	J		0.61	U	0.64	UJ
7440-22-4	Silver	E200.8	mg/kg	0.73	0.31	U		0.3	U	0.25	J
7440-28-0	Thallium	E200.8	mg/kg	100000	0.61	U		0.61	U	0.64	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	27.1	J		29.5	J	32	
7440-66-6	Zinc	E200.8	mg/kg	124	59			47.8		64.7	
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.12			0.059		0.11	
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6							
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357							
309-00-2	Aldrin	CPEST	ug/kg	2							
319-84-6	Alpha-Bhc	CPEST	ug/kg	3							
319-85-7	Beta-Bhc	CPEST	ug/kg	3							

				sys_loc_code:	C31		C32		C33	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C31 0-6		C32 0-6		C33 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/10/2009		07/10/2009		07/10/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
319-86-8	Delta-Bhc	CPEST	ug/kg	3						
33213-65-9	Endosulfan II	CPEST	ug/kg	14						
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19						
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7						
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7						
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL						
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32						
60-57-1	Dieldrin	CPEST	ug/kg	0.72						
72-20-8	Endrin	CPEST	ug/kg	2.67						
72-43-5	Methoxychlor	CPEST	ug/kg	29.6						
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22						
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07						
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL						
76-44-8	Heptachlor	CPEST	ug/kg	68						
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1						
959-98-8	Endosulfan I	CPEST	ug/kg	2.9						
11096-82-5	Aroclor 1260	E608	ug/kg	21.6						
11097-69-1	Aroclor 1254	E608	ug/kg	23						
11100-14-4	Aroclor 1268	E608	ug/kg	21.6						
11104-28-2	Aroclor 1221	E608	ug/kg	21.6						
11141-16-5	Aroclor 1232	E608	ug/kg	21.6						
12672-29-6	Aroclor 1248	E608	ug/kg	21.6						
12674-11-2	Aroclor 1016	E608	ug/kg	21.6						
37324-23-5	Aroclor 1262	E608	ug/kg	21.6						
53469-21-9	Aroclor 1242	E608	ug/kg	21.6						
100-41-4	Ethylbenzene	E624	ug/kg	305						
100-42-5	Styrene	E624	ug/kg	7070						
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL						
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL						
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460						
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7						
107-06-2	1,2-Dichloroethane	E624	ug/kg	432						
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000						

				sys_loc_code:	C31		C32		C33	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C31 0-6		C32 0-6		C33 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/10/2009		07/10/2009		07/10/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
108-87-2	Methylcyclohexane	E624	ug/kg	NL						
108-88-3	Toluene	E624	ug/kg	1090						
108-90-7	Chlorobenzene	E624	ug/kg	162						
110-82-7	Cyclohexane	E624	ug/kg	117000						
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473						
123-91-1	1,4-Dioxane	E624	ug/kg	44100						
124-48-1	Dibromochloromethane	E624	ug/kg	680						
127-18-4	Tetrachloroethene	E624	ug/kg	190						
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200						
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300						
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300						
179601-23-1	m,p-Xylene	E624	ug/kg	NL						
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842						
56-23-5	Carbon tetrachloride	E624	ug/kg	248						
591-78-6	2-Hexanone	E624	ug/kg	20900						
67-64-1	Acetone	E624	ug/kg	6130000						
67-66-3	Chloroform	E624	ug/kg	295						
71-43-2	Benzene	E624	ug/kg	137						
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856						
74-83-9	Bromomethane	E624	ug/kg	732						
74-87-3	Chloromethane	E624	ug/kg	11900						
74-97-5	Bromochloromethane	E624	ug/kg	NL						
75-00-3	Chloroethane	E624	ug/kg	1450000						
75-01-4	Vinyl Chloride	E624	ug/kg	59.7						
75-09-2	Methylene chloride	E624	ug/kg	10700						
75-15-0	Carbon Disulfide	E624	ug/kg	0.851						
75-25-2	Bromoform	E624	ug/kg	1310						
75-27-4	Bromodichloromethane	E624	ug/kg	273						
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310						
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780						
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700						
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400						
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000						

				sys_loc_code:	C31		C32		C33	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C31 0-6		C32 0-6		C33 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/10/2009		07/10/2009		07/10/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
78-87-5	1,2-Dichloropropane	E624	ug/kg	895						
78-93-3	2-Butanone	E624	ug/kg	2780000						
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570						
79-01-6	Trichloroethene	E624	ug/kg	1600						
79-20-9	Methyl Acetate	E624	ug/kg	7820000						
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202						
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858						
95-47-6	o-Xylene	E624	ug/kg	NL						
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989						
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35						
98-82-8	Isopropylbenzene	E624	ug/kg	86						
100-01-6	4-Nitroaniline	E625	ug/kg	24300						
100-02-7	4-Nitrophenol	E625	ug/kg	NL						
100-52-7	Benzaldehyde	E625	ug/kg	782000						
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230						
105-60-2	Caprolactam	E625	ug/kg	3060000						
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29						
106-44-5	4-Methylphenol	E625	ug/kg	670						
106-47-8	4-Chloroaniline	E625	ug/kg	2430						
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570						
108-95-2	Phenol	E625	ug/kg	420						
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214						
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300						
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182						
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL						
118-74-1	Hexachlorobenzene	E625	ug/kg	20						
120-12-7	Anthracene	E625	ug/kg	46.9						
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117						
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6						
129-00-0	Pyrene	E625	ug/kg	153						
131-11-3	Dimethylphthalate	E625	ug/kg	NL						
132-64-9	Dibenzofuran	E625	ug/kg	7300						
1912-24-9	Atrazine	E625	ug/kg	6.62						

				sys_loc_code:	C31		C32		C33	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C31 0-6		C32 0-6		C33 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/10/2009		07/10/2009		07/10/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170						
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17						
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148						
206-44-0	Fluoranthene	E625	ug/kg	113						
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240						
208-96-8	Acenaphthylene	E625	ug/kg	5.87						
218-01-9	Chrysene	E625	ug/kg	108						
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8						
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200						
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611						
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22						
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8						
58-90-2	Chlorophenols	E625	ug/kg	284						
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000						
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120						
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4						
67-72-1	Hexachloroethane	E625	ug/kg	804						
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL						
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139						
78-59-1	Isophorone	E625	ug/kg	511000						
83-32-9	Acenaphthene	E625	ug/kg	6.71						
84-66-2	Diethylphthalate	E625	ug/kg	218						
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160						
85-01-8	Phenanthrene	E625	ug/kg	86.7						
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800						
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100						
86-73-7	Fluorene	E625	ug/kg	19						
86-74-8	Carbazole	E625	ug/kg	NL						
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110						
87-86-5	Pentachlorophenol	E625	ug/kg	2970						
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650						
88-74-4	2-Nitroaniline	E625	ug/kg	60600						
88-75-5	2-Nitrophenol	E625	ug/kg	NL						

				sys_loc_code:	C31		C32		C33	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C31 0-6		C32 0-6		C33 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/10/2009		07/10/2009		07/10/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
91-20-3	Naphthalene	E625	ug/kg	34.6						
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2						
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000						
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080						
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220						
95-48-7	2-Methylphenol	E625	ug/kg	306000						
95-57-8	2-Chlorophenol	E625	ug/kg	344						
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830						
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819						
98-86-2	Acetophenone	E625	ug/kg	782000						
98-95-3	Nitrobenzene	E625	ug/kg	4790						
99-09-2	3-Nitroaniline	E625	ug/kg	NL						

				sys_loc_code:	C34			C35		C36	
				loc_name:	Area-11			Area-11		Area-11	
				sys_sample_code:	C34 0-6			C35 0-6		C36 0-6	
				depth:	0-6 in			0-6 in		0-6 in	
				sample_date:	07/10/2009			07/10/2009		07/10/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED							
7429-90-5	Aluminum	E200.7	mg/kg	7740			1720		1900	J
7440-38-2	Arsenic	E200.7	mg/kg	0.389						
7440-70-2	Calcium	E200.7	mg/kg	NL			3480		1250	J
7440-50-8	Copper	E200.7	mg/kg	18.7						
7439-89-6	Iron	E200.7	mg/kg	2000			17900	J	14800	J
7439-92-1	Lead	E200.7	mg/kg	30.2						
7439-95-4	Magnesium	E200.7	mg/kg	NL			1500	J	549	J
7439-96-5	Manganese	E200.7	mg/kg	183						
7440-09-7	Potassium	E200.7	mg/kg	NL			176	J	608	U
7440-23-5	Sodium	E200.7	mg/kg	NL			1020		1410	
7440-66-6	Zinc	E200.7	mg/kg	124						
7440-36-0	Antimony	E200.8	mg/kg	2	1.2	U	1.2	U	1.2	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389	4.1	J	3.8	J	4.7	J
7440-39-3	Barium	E200.8	mg/kg	130.1	8.1	J	3.5	J	2.6	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.37	J	0.33		0.21	J
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.21	J	0.29	U	0.3	U
7440-47-3	Chromium	E200.8	mg/kg	52.3	16.9	J	10.5	J	13.9	J
7440-48-4	Cobalt	E200.8	mg/kg	2.34	1.8		1		0.82	
7440-50-8	Copper	E200.8	mg/kg	18.7	18.7		13.3		12.7	J
7439-92-1	Lead	E200.8	mg/kg	30.2	35.3		26.3	J	30.7	
7439-96-5	Manganese	E200.8	mg/kg	183	18.1		23.5	J	19.4	J
7440-02-0	Nickel	E200.8	mg/kg	15.9	4.4	J	3.2		2.6	
7782-49-2	Selenium	E200.8	mg/kg	2	0.32	J	0.58	U	0.61	U
7440-22-4	Silver	E200.8	mg/kg	0.73	0.31	U	0.29	U	0.3	U
7440-28-0	Thallium	E200.8	mg/kg	100000	0.62	U	0.58	U	0.61	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	22.5	J	19.4	J	19	J
7440-66-6	Zinc	E200.8	mg/kg	124	62.1		78.7		52.5	
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.057		0.041		0.037	U
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6						
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357						
309-00-2	Aldrin	CPEST	ug/kg	2						
319-84-6	Alpha-Bhc	CPEST	ug/kg	3						
319-85-7	Beta-Bhc	CPEST	ug/kg	3						

				sys_loc_code:	C34		C35		C36	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C34 0-6		C35 0-6		C36 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/10/2009		07/10/2009		07/10/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
319-86-8	Delta-Bhc	CPEST	ug/kg	3						
33213-65-9	Endosulfan II	CPEST	ug/kg	14						
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19						
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7						
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7						
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL						
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32						
60-57-1	Dieldrin	CPEST	ug/kg	0.72						
72-20-8	Endrin	CPEST	ug/kg	2.67						
72-43-5	Methoxychlor	CPEST	ug/kg	29.6						
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22						
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07						
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL						
76-44-8	Heptachlor	CPEST	ug/kg	68						
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1						
959-98-8	Endosulfan I	CPEST	ug/kg	2.9						
11096-82-5	Aroclor 1260	E608	ug/kg	21.6						
11097-69-1	Aroclor 1254	E608	ug/kg	23						
11100-14-4	Aroclor 1268	E608	ug/kg	21.6						
11104-28-2	Aroclor 1221	E608	ug/kg	21.6						
11141-16-5	Aroclor 1232	E608	ug/kg	21.6						
12672-29-6	Aroclor 1248	E608	ug/kg	21.6						
12674-11-2	Aroclor 1016	E608	ug/kg	21.6						
37324-23-5	Aroclor 1262	E608	ug/kg	21.6						
53469-21-9	Aroclor 1242	E608	ug/kg	21.6						
100-41-4	Ethylbenzene	E624	ug/kg	305						
100-42-5	Styrene	E624	ug/kg	7070						
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL						
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL						
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460						
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7						
107-06-2	1,2-Dichloroethane	E624	ug/kg	432						
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000						

				sys_loc_code:	C34		C35		C36	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C34 0-6		C35 0-6		C36 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/10/2009		07/10/2009		07/10/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
108-87-2	Methylcyclohexane	E624	ug/kg	NL						
108-88-3	Toluene	E624	ug/kg	1090						
108-90-7	Chlorobenzene	E624	ug/kg	162						
110-82-7	Cyclohexane	E624	ug/kg	117000						
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473						
123-91-1	1,4-Dioxane	E624	ug/kg	44100						
124-48-1	Dibromochloromethane	E624	ug/kg	680						
127-18-4	Tetrachloroethene	E624	ug/kg	190						
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200						
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300						
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300						
179601-23-1	m,p-Xylene	E624	ug/kg	NL						
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842						
56-23-5	Carbon tetrachloride	E624	ug/kg	248						
591-78-6	2-Hexanone	E624	ug/kg	20900						
67-64-1	Acetone	E624	ug/kg	6130000						
67-66-3	Chloroform	E624	ug/kg	295						
71-43-2	Benzene	E624	ug/kg	137						
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856						
74-83-9	Bromomethane	E624	ug/kg	732						
74-87-3	Chloromethane	E624	ug/kg	11900						
74-97-5	Bromochloromethane	E624	ug/kg	NL						
75-00-3	Chloroethane	E624	ug/kg	1450000						
75-01-4	Vinyl Chloride	E624	ug/kg	59.7						
75-09-2	Methylene chloride	E624	ug/kg	10700						
75-15-0	Carbon Disulfide	E624	ug/kg	0.851						
75-25-2	Bromoform	E624	ug/kg	1310						
75-27-4	Bromodichloromethane	E624	ug/kg	273						
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310						
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780						
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700						
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400						
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000						

				sys_loc_code:	C34		C35		C36	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C34 0-6		C35 0-6		C36 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/10/2009		07/10/2009		07/10/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
78-87-5	1,2-Dichloropropane	E624	ug/kg	895						
78-93-3	2-Butanone	E624	ug/kg	2780000						
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570						
79-01-6	Trichloroethene	E624	ug/kg	1600						
79-20-9	Methyl Acetate	E624	ug/kg	7820000						
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202						
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858						
95-47-6	o-Xylene	E624	ug/kg	NL						
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989						
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35						
98-82-8	Isopropylbenzene	E624	ug/kg	86						
100-01-6	4-Nitroaniline	E625	ug/kg	24300						
100-02-7	4-Nitrophenol	E625	ug/kg	NL						
100-52-7	Benzaldehyde	E625	ug/kg	782000						
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230						
105-60-2	Caprolactam	E625	ug/kg	3060000						
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29						
106-44-5	4-Methylphenol	E625	ug/kg	670						
106-47-8	4-Chloroaniline	E625	ug/kg	2430						
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570						
108-95-2	Phenol	E625	ug/kg	420						
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214						
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300						
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182						
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL						
118-74-1	Hexachlorobenzene	E625	ug/kg	20						
120-12-7	Anthracene	E625	ug/kg	46.9						
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117						
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6						
129-00-0	Pyrene	E625	ug/kg	153						
131-11-3	Dimethylphthalate	E625	ug/kg	NL						
132-64-9	Dibenzofuran	E625	ug/kg	7300						
1912-24-9	Atrazine	E625	ug/kg	6.62						

				sys_loc_code:	C34		C35		C36	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C34 0-6		C35 0-6		C36 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/10/2009		07/10/2009		07/10/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170						
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17						
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148						
206-44-0	Fluoranthene	E625	ug/kg	113						
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240						
208-96-8	Acenaphthylene	E625	ug/kg	5.87						
218-01-9	Chrysene	E625	ug/kg	108						
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8						
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200						
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611						
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22						
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8						
58-90-2	Chlorophenols	E625	ug/kg	284						
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000						
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120						
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4						
67-72-1	Hexachloroethane	E625	ug/kg	804						
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL						
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139						
78-59-1	Isophorone	E625	ug/kg	511000						
83-32-9	Acenaphthene	E625	ug/kg	6.71						
84-66-2	Diethylphthalate	E625	ug/kg	218						
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160						
85-01-8	Phenanthrene	E625	ug/kg	86.7						
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800						
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100						
86-73-7	Fluorene	E625	ug/kg	19						
86-74-8	Carbazole	E625	ug/kg	NL						
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110						
87-86-5	Pentachlorophenol	E625	ug/kg	2970						
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650						
88-74-4	2-Nitroaniline	E625	ug/kg	60600						
88-75-5	2-Nitrophenol	E625	ug/kg	NL						

				sys_loc_code:	C34		C35		C36	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C34 0-6		C35 0-6		C36 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/10/2009		07/10/2009		07/10/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
91-20-3	Naphthalene	E625	ug/kg	34.6						
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2						
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000						
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080						
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220						
95-48-7	2-Methylphenol	E625	ug/kg	306000						
95-57-8	2-Chlorophenol	E625	ug/kg	344						
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830						
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819						
98-86-2	Acetophenone	E625	ug/kg	782000						
98-95-3	Nitrobenzene	E625	ug/kg	4790						
99-09-2	3-Nitroaniline	E625	ug/kg	NL						

					sys_loc_code:	C43		C44		C45	
					loc_name:	Area-11		Area-11		Area-11	
					sys_sample_code:	C43 0-6		C44 0-6		C45 0-6	
					depth:	0-6 in		0-6 in		0-6 in	
					sample_date:	07/13/2009		07/13/2009		07/13/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED							
7429-90-5	Aluminum	E200.7	mg/kg	7740		1160		1440		1530	
7440-38-2	Arsenic	E200.7	mg/kg	0.389		4.1	J	7	J	5.3	J
7440-70-2	Calcium	E200.7	mg/kg	NL		2940	J	998		1630	
7440-50-8	Copper	E200.7	mg/kg	18.7				41.5	J	37.2	J
7439-89-6	Iron	E200.7	mg/kg	2000		10700	J	11900	J	10200	J
7439-92-1	Lead	E200.7	mg/kg	30.2		20.2		24.6		31.2	
7439-95-4	Magnesium	E200.7	mg/kg	NL		602	J	614	J	679	
7439-96-5	Manganese	E200.7	mg/kg	183		42.2	J	29.1		26.7	
7440-09-7	Potassium	E200.7	mg/kg	NL		230	J	231	J	268	J
7440-23-5	Sodium	E200.7	mg/kg	NL		1900		1440		1790	
7440-66-6	Zinc	E200.7	mg/kg	124		50.7	J	84.9	J	75.2	J
7440-36-0	Antimony	E200.8	mg/kg	2		1.2	U	1.2	U	1.2	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389							
7440-39-3	Barium	E200.8	mg/kg	130.1		2.9	J	3.4	J	4.5	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6		0.31	U	0.31	U	0.32	
7440-43-9	Cadmium	E200.8	mg/kg	0.68		0.31	U	0.59		0.57	
7440-47-3	Chromium	E200.8	mg/kg	52.3		9		11.8	J	16	J
7440-48-4	Cobalt	E200.8	mg/kg	2.34		1.5	J	1.6	J	2.1	J
7440-50-8	Copper	E200.8	mg/kg	18.7		18.5					
7439-92-1	Lead	E200.8	mg/kg	30.2							
7439-96-5	Manganese	E200.8	mg/kg	183							
7440-02-0	Nickel	E200.8	mg/kg	15.9		3.1		5.9	J	8.3	J
7782-49-2	Selenium	E200.8	mg/kg	2		0.33	J	0.61	J	0.63	J
7440-22-4	Silver	E200.8	mg/kg	0.73		0.31	UJ	0.48	J	0.46	J
7440-28-0	Thallium	E200.8	mg/kg	100000		0.61	U	0.63	U	0.59	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548		12.9		18.3	J	23	J
7440-66-6	Zinc	E200.8	mg/kg	124							
7439-97-6	Mercury	E245.5	mg/kg	0.13		0.067		0.12		0.24	
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6							
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357							
309-00-2	Aldrin	CPEST	ug/kg	2							
319-84-6	Alpha-Bhc	CPEST	ug/kg	3							
319-85-7	Beta-Bhc	CPEST	ug/kg	3							

				sys_loc_code:	C43		C44		C45	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C43 0-6		C44 0-6		C45 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/13/2009		07/13/2009		07/13/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
319-86-8	Delta-Bhc	CPEST	ug/kg	3						
33213-65-9	Endosulfan II	CPEST	ug/kg	14						
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19						
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7						
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7						
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL						
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32						
60-57-1	Dieldrin	CPEST	ug/kg	0.72						
72-20-8	Endrin	CPEST	ug/kg	2.67						
72-43-5	Methoxychlor	CPEST	ug/kg	29.6						
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22						
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07						
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL						
76-44-8	Heptachlor	CPEST	ug/kg	68						
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1						
959-98-8	Endosulfan I	CPEST	ug/kg	2.9						
11096-82-5	Aroclor 1260	E608	ug/kg	21.6						
11097-69-1	Aroclor 1254	E608	ug/kg	23						
11100-14-4	Aroclor 1268	E608	ug/kg	21.6						
11104-28-2	Aroclor 1221	E608	ug/kg	21.6						
11141-16-5	Aroclor 1232	E608	ug/kg	21.6						
12672-29-6	Aroclor 1248	E608	ug/kg	21.6						
12674-11-2	Aroclor 1016	E608	ug/kg	21.6						
37324-23-5	Aroclor 1262	E608	ug/kg	21.6						
53469-21-9	Aroclor 1242	E608	ug/kg	21.6						
100-41-4	Ethylbenzene	E624	ug/kg	305						
100-42-5	Styrene	E624	ug/kg	7070						
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL						
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL						
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460						
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7						
107-06-2	1,2-Dichloroethane	E624	ug/kg	432						
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000						

				sys_loc_code:	C43		C44		C45	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C43 0-6		C44 0-6		C45 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/13/2009		07/13/2009		07/13/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
108-87-2	Methylcyclohexane	E624	ug/kg	NL						
108-88-3	Toluene	E624	ug/kg	1090						
108-90-7	Chlorobenzene	E624	ug/kg	162						
110-82-7	Cyclohexane	E624	ug/kg	117000						
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473						
123-91-1	1,4-Dioxane	E624	ug/kg	44100						
124-48-1	Dibromochloromethane	E624	ug/kg	680						
127-18-4	Tetrachloroethene	E624	ug/kg	190						
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200						
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300						
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300						
179601-23-1	m,p-Xylene	E624	ug/kg	NL						
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842						
56-23-5	Carbon tetrachloride	E624	ug/kg	248						
591-78-6	2-Hexanone	E624	ug/kg	20900						
67-64-1	Acetone	E624	ug/kg	6130000						
67-66-3	Chloroform	E624	ug/kg	295						
71-43-2	Benzene	E624	ug/kg	137						
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856						
74-83-9	Bromomethane	E624	ug/kg	732						
74-87-3	Chloromethane	E624	ug/kg	11900						
74-97-5	Bromochloromethane	E624	ug/kg	NL						
75-00-3	Chloroethane	E624	ug/kg	1450000						
75-01-4	Vinyl Chloride	E624	ug/kg	59.7						
75-09-2	Methylene chloride	E624	ug/kg	10700						
75-15-0	Carbon Disulfide	E624	ug/kg	0.851						
75-25-2	Bromoform	E624	ug/kg	1310						
75-27-4	Bromodichloromethane	E624	ug/kg	273						
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310						
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780						
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700						
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400						
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000						

				sys_loc_code:	C43		C44		C45	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C43 0-6		C44 0-6		C45 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/13/2009		07/13/2009		07/13/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
78-87-5	1,2-Dichloropropane	E624	ug/kg	895						
78-93-3	2-Butanone	E624	ug/kg	2780000						
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570						
79-01-6	Trichloroethene	E624	ug/kg	1600						
79-20-9	Methyl Acetate	E624	ug/kg	7820000						
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202						
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858						
95-47-6	o-Xylene	E624	ug/kg	NL						
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989						
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35						
98-82-8	Isopropylbenzene	E624	ug/kg	86						
100-01-6	4-Nitroaniline	E625	ug/kg	24300						
100-02-7	4-Nitrophenol	E625	ug/kg	NL						
100-52-7	Benzaldehyde	E625	ug/kg	782000						
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230						
105-60-2	Caprolactam	E625	ug/kg	3060000						
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29						
106-44-5	4-Methylphenol	E625	ug/kg	670						
106-47-8	4-Chloroaniline	E625	ug/kg	2430						
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570						
108-95-2	Phenol	E625	ug/kg	420						
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214						
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300						
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182						
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL						
118-74-1	Hexachlorobenzene	E625	ug/kg	20						
120-12-7	Anthracene	E625	ug/kg	46.9						
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117						
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6						
129-00-0	Pyrene	E625	ug/kg	153						
131-11-3	Dimethylphthalate	E625	ug/kg	NL						
132-64-9	Dibenzofuran	E625	ug/kg	7300						
1912-24-9	Atrazine	E625	ug/kg	6.62						

				sys_loc_code:	C43		C44		C45	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C43 0-6		C44 0-6		C45 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/13/2009		07/13/2009		07/13/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170						
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17						
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148						
206-44-0	Fluoranthene	E625	ug/kg	113						
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240						
208-96-8	Acenaphthylene	E625	ug/kg	5.87						
218-01-9	Chrysene	E625	ug/kg	108						
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8						
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200						
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611						
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22						
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8						
58-90-2	Chlorophenols	E625	ug/kg	284						
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000						
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120						
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4						
67-72-1	Hexachloroethane	E625	ug/kg	804						
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL						
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139						
78-59-1	Isophorone	E625	ug/kg	511000						
83-32-9	Acenaphthene	E625	ug/kg	6.71						
84-66-2	Diethylphthalate	E625	ug/kg	218						
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160						
85-01-8	Phenanthrene	E625	ug/kg	86.7						
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800						
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100						
86-73-7	Fluorene	E625	ug/kg	19						
86-74-8	Carbazole	E625	ug/kg	NL						
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110						
87-86-5	Pentachlorophenol	E625	ug/kg	2970						
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650						
88-74-4	2-Nitroaniline	E625	ug/kg	60600						
88-75-5	2-Nitrophenol	E625	ug/kg	NL						

				sys_loc_code:	C43		C44		C45	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C43 0-6		C44 0-6		C45 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/13/2009		07/13/2009		07/13/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
91-20-3	Naphthalene	E625	ug/kg	34.6						
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2						
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000						
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080						
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220						
95-48-7	2-Methylphenol	E625	ug/kg	306000						
95-57-8	2-Chlorophenol	E625	ug/kg	344						
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830						
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819						
98-86-2	Acetophenone	E625	ug/kg	782000						
98-95-3	Nitrobenzene	E625	ug/kg	4790						
99-09-2	3-Nitroaniline	E625	ug/kg	NL						

					sys_loc_code:	C46		C47		C53	
					loc_name:	Area-11		Area-11		Area-11	
					sys_sample_code:	C46 0-6		C47 0-6		C53 0-6	
					depth:	0-6 in		0-6 in		0-6 in	
					sample_date:	07/13/2009		07/10/2009		07/13/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED							
7429-90-5	Aluminum	E200.7	mg/kg	7740		2020				1510	
7440-38-2	Arsenic	E200.7	mg/kg	0.389		9.6	J			9	J
7440-70-2	Calcium	E200.7	mg/kg	NL		2910				500	J
7440-50-8	Copper	E200.7	mg/kg	18.7		62.1	J			18.2	J
7439-89-6	Iron	E200.7	mg/kg	2000		10700	J			16300	J
7439-92-1	Lead	E200.7	mg/kg	30.2		36.7				17.3	
7439-95-4	Magnesium	E200.7	mg/kg	NL		790				590	J
7439-96-5	Manganese	E200.7	mg/kg	183		34				63.6	
7440-09-7	Potassium	E200.7	mg/kg	NL		284	J			188	J
7440-23-5	Sodium	E200.7	mg/kg	NL		968				1650	
7440-66-6	Zinc	E200.7	mg/kg	124		102	J			79.9	J
7440-36-0	Antimony	E200.8	mg/kg	2		1.2	U	1.3	U	1.2	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389				4.3	J		
7440-39-3	Barium	E200.8	mg/kg	130.1		5.8	UJ	3	J	6.1	UJ
7440-41-7	Beryllium	E200.8	mg/kg	15.6		0.29	U	0.39	J	0.31	U
7440-43-9	Cadmium	E200.8	mg/kg	0.68		0.8		0.29	J	0.37	
7440-47-3	Chromium	E200.8	mg/kg	52.3		14	J	16.6	J	10.2	J
7440-48-4	Cobalt	E200.8	mg/kg	2.34		1.7	J	1.2		1.7	J
7440-50-8	Copper	E200.8	mg/kg	18.7				23			
7439-92-1	Lead	E200.8	mg/kg	30.2				33.9			
7439-96-5	Manganese	E200.8	mg/kg	183				23.7			
7440-02-0	Nickel	E200.8	mg/kg	15.9		8.3	J	3.9	J	5.4	J
7782-49-2	Selenium	E200.8	mg/kg	2		1	J	0.47	J	0.48	J
7440-22-4	Silver	E200.8	mg/kg	0.73		0.67	J	0.31	U	0.31	UJ
7440-28-0	Thallium	E200.8	mg/kg	100000		0.58	U	0.63	U	0.61	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548		15	J	33.9	J	20.5	J
7440-66-6	Zinc	E200.8	mg/kg	124				84.4			
7439-97-6	Mercury	E245.5	mg/kg	0.13		0.24		0.094		0.11	
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6							
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357							
309-00-2	Aldrin	CPEST	ug/kg	2							
319-84-6	Alpha-Bhc	CPEST	ug/kg	3							
319-85-7	Beta-Bhc	CPEST	ug/kg	3							

				sys_loc_code:	C46		C47		C53	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C46 0-6		C47 0-6		C53 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/13/2009		07/10/2009		07/13/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
319-86-8	Delta-Bhc	CPEST	ug/kg	3						
33213-65-9	Endosulfan II	CPEST	ug/kg	14						
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19						
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7						
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7						
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL						
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32						
60-57-1	Dieldrin	CPEST	ug/kg	0.72						
72-20-8	Endrin	CPEST	ug/kg	2.67						
72-43-5	Methoxychlor	CPEST	ug/kg	29.6						
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22						
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07						
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL						
76-44-8	Heptachlor	CPEST	ug/kg	68						
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1						
959-98-8	Endosulfan I	CPEST	ug/kg	2.9						
11096-82-5	Aroclor 1260	E608	ug/kg	21.6						
11097-69-1	Aroclor 1254	E608	ug/kg	23						
11100-14-4	Aroclor 1268	E608	ug/kg	21.6						
11104-28-2	Aroclor 1221	E608	ug/kg	21.6						
11141-16-5	Aroclor 1232	E608	ug/kg	21.6						
12672-29-6	Aroclor 1248	E608	ug/kg	21.6						
12674-11-2	Aroclor 1016	E608	ug/kg	21.6						
37324-23-5	Aroclor 1262	E608	ug/kg	21.6						
53469-21-9	Aroclor 1242	E608	ug/kg	21.6						
100-41-4	Ethylbenzene	E624	ug/kg	305						
100-42-5	Styrene	E624	ug/kg	7070						
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL						
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL						
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460						
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7						
107-06-2	1,2-Dichloroethane	E624	ug/kg	432						
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000						

				sys_loc_code:	C46		C47		C53	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C46 0-6		C47 0-6		C53 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/13/2009		07/10/2009		07/13/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
108-87-2	Methylcyclohexane	E624	ug/kg	NL						
108-88-3	Toluene	E624	ug/kg	1090						
108-90-7	Chlorobenzene	E624	ug/kg	162						
110-82-7	Cyclohexane	E624	ug/kg	117000						
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473						
123-91-1	1,4-Dioxane	E624	ug/kg	44100						
124-48-1	Dibromochloromethane	E624	ug/kg	680						
127-18-4	Tetrachloroethene	E624	ug/kg	190						
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200						
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300						
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300						
179601-23-1	m,p-Xylene	E624	ug/kg	NL						
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842						
56-23-5	Carbon tetrachloride	E624	ug/kg	248						
591-78-6	2-Hexanone	E624	ug/kg	20900						
67-64-1	Acetone	E624	ug/kg	6130000						
67-66-3	Chloroform	E624	ug/kg	295						
71-43-2	Benzene	E624	ug/kg	137						
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856						
74-83-9	Bromomethane	E624	ug/kg	732						
74-87-3	Chloromethane	E624	ug/kg	11900						
74-97-5	Bromochloromethane	E624	ug/kg	NL						
75-00-3	Chloroethane	E624	ug/kg	1450000						
75-01-4	Vinyl Chloride	E624	ug/kg	59.7						
75-09-2	Methylene chloride	E624	ug/kg	10700						
75-15-0	Carbon Disulfide	E624	ug/kg	0.851						
75-25-2	Bromoform	E624	ug/kg	1310						
75-27-4	Bromodichloromethane	E624	ug/kg	273						
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310						
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780						
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700						
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400						
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000						

				sys_loc_code:	C46		C47		C53	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C46 0-6		C47 0-6		C53 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/13/2009		07/10/2009		07/13/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
78-87-5	1,2-Dichloropropane	E624	ug/kg	895						
78-93-3	2-Butanone	E624	ug/kg	2780000						
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570						
79-01-6	Trichloroethene	E624	ug/kg	1600						
79-20-9	Methyl Acetate	E624	ug/kg	7820000						
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202						
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858						
95-47-6	o-Xylene	E624	ug/kg	NL						
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989						
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35						
98-82-8	Isopropylbenzene	E624	ug/kg	86						
100-01-6	4-Nitroaniline	E625	ug/kg	24300						
100-02-7	4-Nitrophenol	E625	ug/kg	NL						
100-52-7	Benzaldehyde	E625	ug/kg	782000						
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230						
105-60-2	Caprolactam	E625	ug/kg	3060000						
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29						
106-44-5	4-Methylphenol	E625	ug/kg	670						
106-47-8	4-Chloroaniline	E625	ug/kg	2430						
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570						
108-95-2	Phenol	E625	ug/kg	420						
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214						
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300						
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182						
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL						
118-74-1	Hexachlorobenzene	E625	ug/kg	20						
120-12-7	Anthracene	E625	ug/kg	46.9						
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117						
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6						
129-00-0	Pyrene	E625	ug/kg	153						
131-11-3	Dimethylphthalate	E625	ug/kg	NL						
132-64-9	Dibenzofuran	E625	ug/kg	7300						
1912-24-9	Atrazine	E625	ug/kg	6.62						

				sys_loc_code:	C46		C47		C53	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C46 0-6		C47 0-6		C53 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/13/2009		07/10/2009		07/13/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170						
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17						
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148						
206-44-0	Fluoranthene	E625	ug/kg	113						
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240						
208-96-8	Acenaphthylene	E625	ug/kg	5.87						
218-01-9	Chrysene	E625	ug/kg	108						
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8						
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200						
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611						
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22						
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8						
58-90-2	Chlorophenols	E625	ug/kg	284						
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000						
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120						
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4						
67-72-1	Hexachloroethane	E625	ug/kg	804						
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL						
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139						
78-59-1	Isophorone	E625	ug/kg	511000						
83-32-9	Acenaphthene	E625	ug/kg	6.71						
84-66-2	Diethylphthalate	E625	ug/kg	218						
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160						
85-01-8	Phenanthrene	E625	ug/kg	86.7						
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800						
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100						
86-73-7	Fluorene	E625	ug/kg	19						
86-74-8	Carbazole	E625	ug/kg	NL						
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110						
87-86-5	Pentachlorophenol	E625	ug/kg	2970						
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650						
88-74-4	2-Nitroaniline	E625	ug/kg	60600						
88-75-5	2-Nitrophenol	E625	ug/kg	NL						

				sys_loc_code:	C46		C47		C53	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C46 0-6		C47 0-6		C53 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/13/2009		07/10/2009		07/13/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
91-20-3	Naphthalene	E625	ug/kg	34.6						
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2						
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000						
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080						
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220						
95-48-7	2-Methylphenol	E625	ug/kg	306000						
95-57-8	2-Chlorophenol	E625	ug/kg	344						
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830						
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819						
98-86-2	Acetophenone	E625	ug/kg	782000						
98-95-3	Nitrobenzene	E625	ug/kg	4790						
99-09-2	3-Nitroaniline	E625	ug/kg	NL						

					sys_loc_code:	C54		C55		C56	
					loc_name:	Area-11		Area-11		Area-11	
					sys_sample_code:	C54 0-6		C55 0-6		C56 0-6	
					depth:	0-6 in		0-6 in		0-6 in	
					sample_date:	07/13/2009		07/13/2009		07/13/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED							
7429-90-5	Aluminum	E200.7	mg/kg	7740		849		1160		1060	
7440-38-2	Arsenic	E200.7	mg/kg	0.389		2.9	J	2.6	J	2.7	J
7440-70-2	Calcium	E200.7	mg/kg	NL		785		1320		534	J
7440-50-8	Copper	E200.7	mg/kg	18.7		12.5	J	18.9	J	23.3	J
7439-89-6	Iron	E200.7	mg/kg	2000		5930	J	5990	J	5550	J
7439-92-1	Lead	E200.7	mg/kg	30.2		13.3		18.9		17.9	
7439-95-4	Magnesium	E200.7	mg/kg	NL		506	J	672		619	
7439-96-5	Manganese	E200.7	mg/kg	183		49.6		50.4		32.5	
7440-09-7	Potassium	E200.7	mg/kg	NL		211	J	257	J	254	J
7440-23-5	Sodium	E200.7	mg/kg	NL		1760		2040		1980	
7440-66-6	Zinc	E200.7	mg/kg	124		38.4	J	46.2	J	47.3	J
7440-36-0	Antimony	E200.8	mg/kg	2		1.2	U	1.3	U	1.3	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389							
7440-39-3	Barium	E200.8	mg/kg	130.1		6	UJ	6.4	UJ	6.3	UJ
7440-41-7	Beryllium	E200.8	mg/kg	15.6		0.3	U	0.32	U	0.31	U
7440-43-9	Cadmium	E200.8	mg/kg	0.68		0.3	U	0.32	U	0.31	U
7440-47-3	Chromium	E200.8	mg/kg	52.3		8	J	8.3	J	8.7	J
7440-48-4	Cobalt	E200.8	mg/kg	2.34		1.3	J	1.6	J	1.3	J
7440-50-8	Copper	E200.8	mg/kg	18.7							
7439-92-1	Lead	E200.8	mg/kg	30.2							
7439-96-5	Manganese	E200.8	mg/kg	183							
7440-02-0	Nickel	E200.8	mg/kg	15.9		2	J	2.6	J	3.2	J
7782-49-2	Selenium	E200.8	mg/kg	2		0.18	J	0.22	J	0.2	J
7440-22-4	Silver	E200.8	mg/kg	0.73		0.3	UJ	0.32	UJ	0.31	UJ
7440-28-0	Thallium	E200.8	mg/kg	100000		0.6	U	0.64	U	0.63	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548		10.3	J	10.4	J	11.9	J
7440-66-6	Zinc	E200.8	mg/kg	124							
7439-97-6	Mercury	E245.5	mg/kg	0.13		0.082		0.091		0.12	
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6				2.2	UJ		
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357				4.4	U		
309-00-2	Aldrin	CPEST	ug/kg	2				2.2	U		
319-84-6	Alpha-Bhc	CPEST	ug/kg	3				2.2	UJ		
319-85-7	Beta-Bhc	CPEST	ug/kg	3				2.2	UJ		

					sys_loc_code:	C54		C55		C56	
					loc_name:	Area-11		Area-11		Area-11	
					sys_sample_code:	C54 0-6		C55 0-6		C56 0-6	
					depth:	0-6 in		0-6 in		0-6 in	
					sample_date:	07/13/2009		07/13/2009		07/13/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED							
319-86-8	Delta-Bhc	CPEST	ug/kg	3			2.2	U			
33213-65-9	Endosulfan II	CPEST	ug/kg	14			4.4	UJ			
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19			1.6	J			
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7			2.2	U			
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7			2.2	UJ			
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL			0.068	J			
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32			2.2	UJ			
60-57-1	Dieldrin	CPEST	ug/kg	0.72			4.4	U			
72-20-8	Endrin	CPEST	ug/kg	2.67			4.4	U			
72-43-5	Methoxychlor	CPEST	ug/kg	29.6			22	U			
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22			4.4	UJ			
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07			4.4	U			
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL			4.4	UJ			
76-44-8	Heptachlor	CPEST	ug/kg	68			2.2	U			
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1			220	U			
959-98-8	Endosulfan I	CPEST	ug/kg	2.9			2.2	U			
11096-82-5	Aroclor 1260	E608	ug/kg	21.6			44	U			
11097-69-1	Aroclor 1254	E608	ug/kg	23			44	UJ			
11100-14-4	Aroclor 1268	E608	ug/kg	21.6			44	U			
11104-28-2	Aroclor 1221	E608	ug/kg	21.6			44	U			
11141-16-5	Aroclor 1232	E608	ug/kg	21.6			44	U			
12672-29-6	Aroclor 1248	E608	ug/kg	21.6			44	U			
12674-11-2	Aroclor 1016	E608	ug/kg	21.6			44	U			
37324-23-5	Aroclor 1262	E608	ug/kg	21.6			44	U			
53469-21-9	Aroclor 1242	E608	ug/kg	21.6			44	U			
100-41-4	Ethylbenzene	E624	ug/kg	305			6.2	U			
100-42-5	Styrene	E624	ug/kg	7070			6.2	U			
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL			6.2	U			
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL			6.2	U			
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460			6.2	U			
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7			6.2	U			
107-06-2	1,2-Dichloroethane	E624	ug/kg	432			6.2	U			
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000			12	U			

				sys_loc_code:	C54		C55		C56	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C54 0-6		C55 0-6		C56 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/13/2009		07/13/2009		07/13/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
108-87-2	Methylcyclohexane	E624	ug/kg	NL			6.2	U		
108-88-3	Toluene	E624	ug/kg	1090			6.2	U		
108-90-7	Chlorobenzene	E624	ug/kg	162			6.2	U		
110-82-7	Cyclohexane	E624	ug/kg	117000			6.2	U		
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473			6.2	U		
123-91-1	1,4-Dioxane	E624	ug/kg	44100			120	R		
124-48-1	Dibromochloromethane	E624	ug/kg	680			6.2	U		
127-18-4	Tetrachloroethene	E624	ug/kg	190			6.2	U		
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200			6.2	U		
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300			6.2	U		
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300			6.2	U		
179601-23-1	m,p-Xylene	E624	ug/kg	NL			6.2	U		
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842			6.2	U		
56-23-5	Carbon tetrachloride	E624	ug/kg	248			6.2	U		
591-78-6	2-Hexanone	E624	ug/kg	20900			12	U		
67-64-1	Acetone	E624	ug/kg	6130000			15	U		
67-66-3	Chloroform	E624	ug/kg	295			6.2	U		
71-43-2	Benzene	E624	ug/kg	137			6.2	U		
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856			6.2	U		
74-83-9	Bromomethane	E624	ug/kg	732			6.2	U		
74-87-3	Chloromethane	E624	ug/kg	11900			6.2	U		
74-97-5	Bromochloromethane	E624	ug/kg	NL			6.2	U		
75-00-3	Chloroethane	E624	ug/kg	1450000			6.2	U		
75-01-4	Vinyl Chloride	E624	ug/kg	59.7			6.2	U		
75-09-2	Methylene chloride	E624	ug/kg	10700			6.2	U		
75-15-0	Carbon Disulfide	E624	ug/kg	0.851			1.4	J		
75-25-2	Bromoform	E624	ug/kg	1310			6.2	U		
75-27-4	Bromodichloromethane	E624	ug/kg	273			6.2	U		
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310			6.2	U		
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780			6.2	U		
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700			6.2	U		
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400			6.2	U		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000			6.2	U		

				sys_loc_code:	C54		C55		C56	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C54 0-6		C55 0-6		C56 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/13/2009		07/13/2009		07/13/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
78-87-5	1,2-Dichloropropane	E624	ug/kg	895			6.2	U		
78-93-3	2-Butanone	E624	ug/kg	2780000			12	U		
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570			6.2	U		
79-01-6	Trichloroethene	E624	ug/kg	1600			6.2	U		
79-20-9	Methyl Acetate	E624	ug/kg	7820000			6.2	U		
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202			6.2	U		
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858			6.2	U		
95-47-6	o-Xylene	E624	ug/kg	NL			6.2	U		
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989			6.2	U		
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35			6.2	U		
98-82-8	Isopropylbenzene	E624	ug/kg	86			6.2	U		
100-01-6	4-Nitroaniline	E625	ug/kg	24300			440	U		
100-02-7	4-Nitrophenol	E625	ug/kg	NL			440	U		
100-52-7	Benzaldehyde	E625	ug/kg	782000			93	J		
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230			220	U		
105-60-2	Caprolactam	E625	ug/kg	3060000			220	U		
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29			220	U		
106-44-5	4-Methylphenol	E625	ug/kg	670			220	U		
106-47-8	4-Chloroaniline	E625	ug/kg	2430			220	U		
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570			220	U		
108-95-2	Phenol	E625	ug/kg	420			41	J		
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214			220	U		
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300			220	U		
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182			58	J		
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL			220	U		
118-74-1	Hexachlorobenzene	E625	ug/kg	20			220	U		
120-12-7	Anthracene	E625	ug/kg	46.9			7.7	J		
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117			220	U		
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6			220	U		
129-00-0	Pyrene	E625	ug/kg	153			50	J		
131-11-3	Dimethylphthalate	E625	ug/kg	NL			220	U		
132-64-9	Dibenzofuran	E625	ug/kg	7300			220	U		
1912-24-9	Atrazine	E625	ug/kg	6.62			220	U		

				sys_loc_code:	C54		C55		C56	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C54 0-6		C55 0-6		C56 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/13/2009		07/13/2009		07/13/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170			40	J		
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17			39	J		
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148			51	J		
206-44-0	Fluoranthene	E625	ug/kg	113			70	J		
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240			26	J		
208-96-8	Acenaphthylene	E625	ug/kg	5.87			220	U		
218-01-9	Chrysene	E625	ug/kg	108			33	J		
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8			38	J		
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200			440	U		
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611			440	U		
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22			9.5	J		
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8			31	J		
58-90-2	Chlorophenols	E625	ug/kg	284			220	U		
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000			220	U		
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120			220	U		
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4			220	U		
67-72-1	Hexachloroethane	E625	ug/kg	804			220	U		
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL			220	U		
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139			220	U		
78-59-1	Isophorone	E625	ug/kg	511000			220	U		
83-32-9	Acenaphthene	E625	ug/kg	6.71			220	U		
84-66-2	Diethylphthalate	E625	ug/kg	218			12	J		
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160			10	J		
85-01-8	Phenanthrene	E625	ug/kg	86.7			34	J		
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800			220	U		
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100			220	U		
86-73-7	Fluorene	E625	ug/kg	19			220	U		
86-74-8	Carbazole	E625	ug/kg	NL			220	U		
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110			220	U		
87-86-5	Pentachlorophenol	E625	ug/kg	2970			440	U		
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650			220	U		
88-74-4	2-Nitroaniline	E625	ug/kg	60600			440	U		
88-75-5	2-Nitrophenol	E625	ug/kg	NL			220	U		

				sys_loc_code:	C54		C55		C56		
				loc_name:	Area-11		Area-11		Area-11		
				sys_sample_code:	C54 0-6		C55 0-6		C56 0-6		
				depth:	0-6 in		0-6 in		0-6 in		
				sample_date:	07/13/2009		07/13/2009		07/13/2009		
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED							
91-20-3	Naphthalene	E625	ug/kg	34.6			11	J			
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2			220	U			
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000			220	U			
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080			220	U			
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220			220	U			
95-48-7	2-Methylphenol	E625	ug/kg	306000			220	U			
95-57-8	2-Chlorophenol	E625	ug/kg	344			220	U			
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830			220	U			
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819			220	U			
98-86-2	Acetophenone	E625	ug/kg	782000			39	J			
98-95-3	Nitrobenzene	E625	ug/kg	4790			220	U			
99-09-2	3-Nitroaniline	E625	ug/kg	NL			440	U			

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					sys_loc_code:	C62		C63		C64	
					loc_name:	Area-11		Area-11		Area-11	
					sys_sample_code:	C62 0-6		C63 0-6		C64 0-6	
					depth:	0-6 in		0-6 in		0-6 in	
					sample_date:	07/10/2009		07/23/2009		07/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED							
7429-90-5	Aluminum	E200.7	mg/kg	7740		1890		1300		1650	
7440-38-2	Arsenic	E200.7	mg/kg	0.389							
7440-70-2	Calcium	E200.7	mg/kg	NL		3680		531	J	964	
7440-50-8	Copper	E200.7	mg/kg	18.7							
7439-89-6	Iron	E200.7	mg/kg	2000		11600	J	8910		14700	
7439-92-1	Lead	E200.7	mg/kg	30.2							
7439-95-4	Magnesium	E200.7	mg/kg	NL		740	J	446	J	687	
7439-96-5	Manganese	E200.7	mg/kg	183							
7440-09-7	Potassium	E200.7	mg/kg	NL		368	J	585	U	592	U
7440-23-5	Sodium	E200.7	mg/kg	NL		1700		1430		1330	
7440-66-6	Zinc	E200.7	mg/kg	124							
7440-36-0	Antimony	E200.8	mg/kg	2		1.2	U	1.2	U	1.2	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389		9.3	J	14.4	J	6.2	J
7440-39-3	Barium	E200.8	mg/kg	130.1		4.1	J	5.8	UJ	5.9	UJ
7440-41-7	Beryllium	E200.8	mg/kg	15.6		0.31		0.75		0.3	U
7440-43-9	Cadmium	E200.8	mg/kg	0.68		0.31	U	0.38		0.3	U
7440-47-3	Chromium	E200.8	mg/kg	52.3		15.5	J	26.8		12.9	
7440-48-4	Cobalt	E200.8	mg/kg	2.34		2.2		2.2		1.7	
7440-50-8	Copper	E200.8	mg/kg	18.7		23.2		17.1		12.4	
7439-92-1	Lead	E200.8	mg/kg	30.2		22.4	J	16		13.8	
7439-96-5	Manganese	E200.8	mg/kg	183		56.3	J	49.1		45	
7440-02-0	Nickel	E200.8	mg/kg	15.9		6.7		7.8		3.4	
7782-49-2	Selenium	E200.8	mg/kg	2		0.77		0.82		0.59	U
7440-22-4	Silver	E200.8	mg/kg	0.73		0.31	U	0.29	U	0.3	U
7440-28-0	Thallium	E200.8	mg/kg	100000		0.61	U	0.58	U	0.59	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548		24.5	J	39.6	J	19.7	J
7440-66-6	Zinc	E200.8	mg/kg	124		66.8		73.7		53.1	
7439-97-6	Mercury	E245.5	mg/kg	0.13		0.29		0.16		0.1	
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6							
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357							
309-00-2	Aldrin	CPEST	ug/kg	2							
319-84-6	Alpha-Bhc	CPEST	ug/kg	3							
319-85-7	Beta-Bhc	CPEST	ug/kg	3							

				sys_loc_code:	C62		C63		C64	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C62 0-6		C63 0-6		C64 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/10/2009		07/23/2009		07/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
319-86-8	Delta-Bhc	CPEST	ug/kg	3						
33213-65-9	Endosulfan II	CPEST	ug/kg	14						
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19						
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7						
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7						
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL						
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32						
60-57-1	Dieldrin	CPEST	ug/kg	0.72						
72-20-8	Endrin	CPEST	ug/kg	2.67						
72-43-5	Methoxychlor	CPEST	ug/kg	29.6						
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22						
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07						
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL						
76-44-8	Heptachlor	CPEST	ug/kg	68						
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1						
959-98-8	Endosulfan I	CPEST	ug/kg	2.9						
11096-82-5	Aroclor 1260	E608	ug/kg	21.6						
11097-69-1	Aroclor 1254	E608	ug/kg	23						
11100-14-4	Aroclor 1268	E608	ug/kg	21.6						
11104-28-2	Aroclor 1221	E608	ug/kg	21.6						
11141-16-5	Aroclor 1232	E608	ug/kg	21.6						
12672-29-6	Aroclor 1248	E608	ug/kg	21.6						
12674-11-2	Aroclor 1016	E608	ug/kg	21.6						
37324-23-5	Aroclor 1262	E608	ug/kg	21.6						
53469-21-9	Aroclor 1242	E608	ug/kg	21.6						
100-41-4	Ethylbenzene	E624	ug/kg	305						
100-42-5	Styrene	E624	ug/kg	7070						
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL						
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL						
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460						
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7						
107-06-2	1,2-Dichloroethane	E624	ug/kg	432						
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000						

				sys_loc_code:	C62		C63		C64	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C62 0-6		C63 0-6		C64 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/10/2009		07/23/2009		07/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
108-87-2	Methylcyclohexane	E624	ug/kg	NL						
108-88-3	Toluene	E624	ug/kg	1090						
108-90-7	Chlorobenzene	E624	ug/kg	162						
110-82-7	Cyclohexane	E624	ug/kg	117000						
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473						
123-91-1	1,4-Dioxane	E624	ug/kg	44100						
124-48-1	Dibromochloromethane	E624	ug/kg	680						
127-18-4	Tetrachloroethene	E624	ug/kg	190						
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200						
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300						
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300						
179601-23-1	m,p-Xylene	E624	ug/kg	NL						
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842						
56-23-5	Carbon tetrachloride	E624	ug/kg	248						
591-78-6	2-Hexanone	E624	ug/kg	20900						
67-64-1	Acetone	E624	ug/kg	6130000						
67-66-3	Chloroform	E624	ug/kg	295						
71-43-2	Benzene	E624	ug/kg	137						
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856						
74-83-9	Bromomethane	E624	ug/kg	732						
74-87-3	Chloromethane	E624	ug/kg	11900						
74-97-5	Bromochloromethane	E624	ug/kg	NL						
75-00-3	Chloroethane	E624	ug/kg	1450000						
75-01-4	Vinyl Chloride	E624	ug/kg	59.7						
75-09-2	Methylene chloride	E624	ug/kg	10700						
75-15-0	Carbon Disulfide	E624	ug/kg	0.851						
75-25-2	Bromoform	E624	ug/kg	1310						
75-27-4	Bromodichloromethane	E624	ug/kg	273						
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310						
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780						
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700						
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400						
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000						

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				sys_loc_code:	C62		C63		C64	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C62 0-6		C63 0-6		C64 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/10/2009		07/23/2009		07/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
78-87-5	1,2-Dichloropropane	E624	ug/kg	895						
78-93-3	2-Butanone	E624	ug/kg	2780000						
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570						
79-01-6	Trichloroethene	E624	ug/kg	1600						
79-20-9	Methyl Acetate	E624	ug/kg	7820000						
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202						
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858						
95-47-6	o-Xylene	E624	ug/kg	NL						
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989						
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35						
98-82-8	Isopropylbenzene	E624	ug/kg	86						
100-01-6	4-Nitroaniline	E625	ug/kg	24300						
100-02-7	4-Nitrophenol	E625	ug/kg	NL						
100-52-7	Benzaldehyde	E625	ug/kg	782000						
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230						
105-60-2	Caprolactam	E625	ug/kg	3060000						
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29						
106-44-5	4-Methylphenol	E625	ug/kg	670						
106-47-8	4-Chloroaniline	E625	ug/kg	2430						
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570						
108-95-2	Phenol	E625	ug/kg	420						
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214						
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300						
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182						
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL						
118-74-1	Hexachlorobenzene	E625	ug/kg	20						
120-12-7	Anthracene	E625	ug/kg	46.9						
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117						
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6						
129-00-0	Pyrene	E625	ug/kg	153						
131-11-3	Dimethylphthalate	E625	ug/kg	NL						
132-64-9	Dibenzofuran	E625	ug/kg	7300						
1912-24-9	Atrazine	E625	ug/kg	6.62						

				sys_loc_code:	C62		C63		C64	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C62 0-6		C63 0-6		C64 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/10/2009		07/23/2009		07/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170						
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17						
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148						
206-44-0	Fluoranthene	E625	ug/kg	113						
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240						
208-96-8	Acenaphthylene	E625	ug/kg	5.87						
218-01-9	Chrysene	E625	ug/kg	108						
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8						
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200						
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611						
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22						
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8						
58-90-2	Chlorophenols	E625	ug/kg	284						
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000						
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120						
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4						
67-72-1	Hexachloroethane	E625	ug/kg	804						
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL						
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139						
78-59-1	Isophorone	E625	ug/kg	511000						
83-32-9	Acenaphthene	E625	ug/kg	6.71						
84-66-2	Diethylphthalate	E625	ug/kg	218						
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160						
85-01-8	Phenanthrene	E625	ug/kg	86.7						
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800						
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100						
86-73-7	Fluorene	E625	ug/kg	19						
86-74-8	Carbazole	E625	ug/kg	NL						
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110						
87-86-5	Pentachlorophenol	E625	ug/kg	2970						
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650						
88-74-4	2-Nitroaniline	E625	ug/kg	60600						
88-75-5	2-Nitrophenol	E625	ug/kg	NL						

				sys_loc_code:	C62		C63		C64	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C62 0-6		C63 0-6		C64 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/10/2009		07/23/2009		07/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
91-20-3	Naphthalene	E625	ug/kg	34.6						
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2						
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000						
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080						
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220						
95-48-7	2-Methylphenol	E625	ug/kg	306000						
95-57-8	2-Chlorophenol	E625	ug/kg	344						
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830						
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819						
98-86-2	Acetophenone	E625	ug/kg	782000						
98-95-3	Nitrobenzene	E625	ug/kg	4790						
99-09-2	3-Nitroaniline	E625	ug/kg	NL						

				sys_loc_code:	C69		C70		C71		
				loc_name:	Area-11		Area-11		Area-11		
				sys_sample_code:	C69 0-6		C70 0-6		C71 0-6		
				depth:	0-6 in		0-6 in		0-6 in		
				sample_date:	07/10/2009		07/10/2009		07/10/2009		
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED							
7429-90-5	Aluminum	E200.7	mg/kg	7740	1700				3670		
7440-38-2	Arsenic	E200.7	mg/kg	0.389							
7440-70-2	Calcium	E200.7	mg/kg	NL	245	J			4640	J	
7440-50-8	Copper	E200.7	mg/kg	18.7							
7439-89-6	Iron	E200.7	mg/kg	2000	19600	J			15500	J	
7439-92-1	Lead	E200.7	mg/kg	30.2							
7439-95-4	Magnesium	E200.7	mg/kg	NL	522	J			1400		
7439-96-5	Manganese	E200.7	mg/kg	183							
7440-09-7	Potassium	E200.7	mg/kg	NL	244	J			693	J	
7440-23-5	Sodium	E200.7	mg/kg	NL	1300				2240		
7440-66-6	Zinc	E200.7	mg/kg	124							
7440-36-0	Antimony	E200.8	mg/kg	2	1.2	U	1.3	U	1.5	U	
7440-38-2	Arsenic	E200.8	mg/kg	0.389	7.1	J	7.4	J	9.3	J	
7440-39-3	Barium	E200.8	mg/kg	130.1	2.4	J	5.2	J	7.9	J	
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.28	J	0.33	J	0.32	J	
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.12	J	0.39		0.44		
7440-47-3	Chromium	E200.8	mg/kg	52.3	12.3	J	20.1	J	17.8	J	
7440-48-4	Cobalt	E200.8	mg/kg	2.34	1.5		2.1		2.3		
7440-50-8	Copper	E200.8	mg/kg	18.7	11.5		41.3		40.9		
7439-92-1	Lead	E200.8	mg/kg	30.2	12.6	J	44.6		42.1		
7439-96-5	Manganese	E200.8	mg/kg	183	48.2		32.8		55	J	
7440-02-0	Nickel	E200.8	mg/kg	15.9	3.4		6.6	J	7.1		
7782-49-2	Selenium	E200.8	mg/kg	2	0.62	U	0.57	J	0.69	J	
7440-22-4	Silver	E200.8	mg/kg	0.73	0.31	U	0.32	U	0.41		
7440-28-0	Thallium	E200.8	mg/kg	100000	0.62	U	0.65	U	0.75	U	
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	36.7	J	24.4	J	23.3	J	
7440-66-6	Zinc	E200.8	mg/kg	124	44.7		81.8		83.6	J	
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.081		0.15		0.14	J	
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6					2.1	U	
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357					4.1	U	
309-00-2	Aldrin	CPEST	ug/kg	2					2.1	U	
319-84-6	Alpha-Bhc	CPEST	ug/kg	3					2.1	U	
319-85-7	Beta-Bhc	CPEST	ug/kg	3					2.1	U	

				sys_loc_code:	C69		C70		C71	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C69 0-6		C70 0-6		C71 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/10/2009		07/10/2009		07/10/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
319-86-8	Delta-Bhc	CPEST	ug/kg	3					2.1	U
33213-65-9	Endosulfan II	CPEST	ug/kg	14					4.1	U
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19					13	J
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7					2.1	U
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7					2.1	U
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL					4.1	U
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32					2.1	U
60-57-1	Dieldrin	CPEST	ug/kg	0.72					4.1	U
72-20-8	Endrin	CPEST	ug/kg	2.67					1.6	J
72-43-5	Methoxychlor	CPEST	ug/kg	29.6					21	U
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22					4.1	U
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07					5.1	
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL					4.1	U
76-44-8	Heptachlor	CPEST	ug/kg	68					0.38	J
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1					210	U
959-98-8	Endosulfan I	CPEST	ug/kg	2.9					2.1	U
11096-82-5	Aroclor 1260	E608	ug/kg	21.6					41	U
11097-69-1	Aroclor 1254	E608	ug/kg	23					140	J
11100-14-4	Aroclor 1268	E608	ug/kg	21.6					41	U
11104-28-2	Aroclor 1221	E608	ug/kg	21.6					41	U
11141-16-5	Aroclor 1232	E608	ug/kg	21.6					41	U
12672-29-6	Aroclor 1248	E608	ug/kg	21.6					41	U
12674-11-2	Aroclor 1016	E608	ug/kg	21.6					41	U
37324-23-5	Aroclor 1262	E608	ug/kg	21.6					41	U
53469-21-9	Aroclor 1242	E608	ug/kg	21.6					41	U
100-41-4	Ethylbenzene	E624	ug/kg	305					6.7	U
100-42-5	Styrene	E624	ug/kg	7070					6.7	U
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL					6.7	U
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL					6.7	U
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460					6.7	U
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7					6.7	U
107-06-2	1,2-Dichloroethane	E624	ug/kg	432					6.7	U
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000					13	U

				sys_loc_code:	C69		C70		C71	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C69 0-6		C70 0-6		C71 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/10/2009		07/10/2009		07/10/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
108-87-2	Methylcyclohexane	E624	ug/kg	NL					6.7	U
108-88-3	Toluene	E624	ug/kg	1090					6.7	U
108-90-7	Chlorobenzene	E624	ug/kg	162					6.7	U
110-82-7	Cyclohexane	E624	ug/kg	117000					6.7	U
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473					6.7	U
123-91-1	1,4-Dioxane	E624	ug/kg	44100					130	R
124-48-1	Dibromochloromethane	E624	ug/kg	680					6.7	U
127-18-4	Tetrachloroethene	E624	ug/kg	190					6.7	U
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200					6.7	U
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300					6.7	U
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300					6.7	U
179601-23-1	m,p-Xylene	E624	ug/kg	NL					6.7	U
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842					6.7	U
56-23-5	Carbon tetrachloride	E624	ug/kg	248					6.7	U
591-78-6	2-Hexanone	E624	ug/kg	20900					13	U
67-64-1	Acetone	E624	ug/kg	6130000					13	U
67-66-3	Chloroform	E624	ug/kg	295					6.7	U
71-43-2	Benzene	E624	ug/kg	137					6.7	U
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856					6.7	U
74-83-9	Bromomethane	E624	ug/kg	732					6.7	U
74-87-3	Chloromethane	E624	ug/kg	11900					6.7	U
74-97-5	Bromochloromethane	E624	ug/kg	NL					6.7	U
75-00-3	Chloroethane	E624	ug/kg	1450000					6.7	U
75-01-4	Vinyl Chloride	E624	ug/kg	59.7					6.7	U
75-09-2	Methylene chloride	E624	ug/kg	10700					6.7	U
75-15-0	Carbon Disulfide	E624	ug/kg	0.851					2.2	J
75-25-2	Bromoform	E624	ug/kg	1310					6.7	U
75-27-4	Bromodichloromethane	E624	ug/kg	273					6.7	U
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310					6.7	U
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780					6.7	U
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700					6.7	U
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400					6.7	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000					6.7	U

				sys_loc_code:	C69		C70		C71	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C69 0-6		C70 0-6		C71 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/10/2009		07/10/2009		07/10/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
78-87-5	1,2-Dichloropropane	E624	ug/kg	895					6.7	U
78-93-3	2-Butanone	E624	ug/kg	2780000					12	J
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570					6.7	U
79-01-6	Trichloroethene	E624	ug/kg	1600					6.7	U
79-20-9	Methyl Acetate	E624	ug/kg	7820000					6.7	U
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202					6.7	U
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858					6.7	U
95-47-6	o-Xylene	E624	ug/kg	NL					6.7	U
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989					6.7	U
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35					6.7	U
98-82-8	Isopropylbenzene	E624	ug/kg	86					6.7	U
100-01-6	4-Nitroaniline	E625	ug/kg	24300					410	U
100-02-7	4-Nitrophenol	E625	ug/kg	NL					410	U
100-52-7	Benzaldehyde	E625	ug/kg	782000					27	J
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230					210	U
105-60-2	Caprolactam	E625	ug/kg	3060000					210	U
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29					210	U
106-44-5	4-Methylphenol	E625	ug/kg	670					18	J
106-47-8	4-Chloroaniline	E625	ug/kg	2430					210	U
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570					210	U
108-95-2	Phenol	E625	ug/kg	420					31	J
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214					210	U
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300					210	U
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182					760	
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL					100	J
118-74-1	Hexachlorobenzene	E625	ug/kg	20					210	U
120-12-7	Anthracene	E625	ug/kg	46.9					30	J
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117					210	U
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6					210	U
129-00-0	Pyrene	E625	ug/kg	153					350	
131-11-3	Dimethylphthalate	E625	ug/kg	NL					210	U
132-64-9	Dibenzofuran	E625	ug/kg	7300					7.5	J
1912-24-9	Atrazine	E625	ug/kg	6.62					210	U

				sys_loc_code:	C69		C70		C71	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C69 0-6		C70 0-6		C71 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/10/2009		07/10/2009		07/10/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170					120	J
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17					140	J
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148					240	
206-44-0	Fluoranthene	E625	ug/kg	113					370	
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240					88	J
208-96-8	Acenaphthylene	E625	ug/kg	5.87					10	J
218-01-9	Chrysene	E625	ug/kg	108					180	J
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8					180	J
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200					410	U
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611					410	U
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22					27	J
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8					200	J
58-90-2	Chlorophenols	E625	ug/kg	284					210	U
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000					210	U
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120					210	U
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4					210	U
67-72-1	Hexachloroethane	E625	ug/kg	804					210	U
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL					210	U
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139					210	U
78-59-1	Isophorone	E625	ug/kg	511000					210	U
83-32-9	Acenaphthene	E625	ug/kg	6.71					210	U
84-66-2	Diethylphthalate	E625	ug/kg	218					10	J
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160					30	J
85-01-8	Phenanthrene	E625	ug/kg	86.7					180	J
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800					29	J
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100					210	U
86-73-7	Fluorene	E625	ug/kg	19					10	J
86-74-8	Carbazole	E625	ug/kg	NL					7.8	J
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110					210	U
87-86-5	Pentachlorophenol	E625	ug/kg	2970					410	U
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650					210	U
88-74-4	2-Nitroaniline	E625	ug/kg	60600					410	U
88-75-5	2-Nitrophenol	E625	ug/kg	NL					210	U

				sys_loc_code:	C69		C70		C71	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C69 0-6		C70 0-6		C71 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/10/2009		07/10/2009		07/10/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
91-20-3	Naphthalene	E625	ug/kg	34.6					21	J
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2					21	J
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000					210	U
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080					210	U
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220					210	U
95-48-7	2-Methylphenol	E625	ug/kg	306000					210	U
95-57-8	2-Chlorophenol	E625	ug/kg	344					210	U
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830					210	U
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819					210	U
98-86-2	Acetophenone	E625	ug/kg	782000					21	J
98-95-3	Nitrobenzene	E625	ug/kg	4790					210	U
99-09-2	3-Nitroaniline	E625	ug/kg	NL					410	U

				sys_loc_code:	C72			C73		C74	
				loc_name:	Area-11			Area-11		Area-11	
				sys_sample_code:	C72 0-6			C73 0-6		C74 0-6	
				depth:	0-6 in			0-6 in		0-6 in	
				sample_date:	07/10/2009			07/23/2009		07/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED							
7429-90-5	Aluminum	E200.7	mg/kg	7740	1880			1720		1420	
7440-38-2	Arsenic	E200.7	mg/kg	0.389							
7440-70-2	Calcium	E200.7	mg/kg	NL	290	J		989		764	
7440-50-8	Copper	E200.7	mg/kg	18.7							
7439-89-6	Iron	E200.7	mg/kg	2000	16900	J		15600		6170	
7439-92-1	Lead	E200.7	mg/kg	30.2							
7439-95-4	Magnesium	E200.7	mg/kg	NL	536	J		621	J	477	J
7439-96-5	Manganese	E200.7	mg/kg	183							
7440-09-7	Potassium	E200.7	mg/kg	NL	303	J		625	U	630	U
7440-23-5	Sodium	E200.7	mg/kg	NL	1690			1820		1190	
7440-66-6	Zinc	E200.7	mg/kg	124							
7440-36-0	Antimony	E200.8	mg/kg	2	1.3	U		1.3	U	1.3	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389	5.7	J		3.9	J	2.9	J
7440-39-3	Barium	E200.8	mg/kg	130.1	1.7	J		6.3	UJ	6.3	UJ
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.22	J		0.31	U	0.32	U
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.21	J		0.31	U	0.32	U
7440-47-3	Chromium	E200.8	mg/kg	52.3	10.9	J		8.4		8.1	
7440-48-4	Cobalt	E200.8	mg/kg	2.34	1.6			1.3		1	
7440-50-8	Copper	E200.8	mg/kg	18.7	11.8			11.4		21.2	
7439-92-1	Lead	E200.8	mg/kg	30.2	12.8	J		12		18.9	
7439-96-5	Manganese	E200.8	mg/kg	183	41			30.4		17	
7440-02-0	Nickel	E200.8	mg/kg	15.9	3.5			2.5		2.7	
7782-49-2	Selenium	E200.8	mg/kg	2	0.63	U		0.63	U	0.63	U
7440-22-4	Silver	E200.8	mg/kg	0.73	0.32	U		0.31	U	0.32	U
7440-28-0	Thallium	E200.8	mg/kg	100000	0.63	U		0.63	U	0.63	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	18.4	J		12.8	J	10.2	J
7440-66-6	Zinc	E200.8	mg/kg	124	51.3			36.9		44	
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.096			0.075		0.11	
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6							
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357							
309-00-2	Aldrin	CPEST	ug/kg	2							
319-84-6	Alpha-Bhc	CPEST	ug/kg	3							
319-85-7	Beta-Bhc	CPEST	ug/kg	3							

				sys_loc_code:	C72		C73		C74	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C72 0-6		C73 0-6		C74 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/10/2009		07/23/2009		07/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
319-86-8	Delta-Bhc	CPEST	ug/kg	3						
33213-65-9	Endosulfan II	CPEST	ug/kg	14						
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19						
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7						
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7						
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL						
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32						
60-57-1	Dieldrin	CPEST	ug/kg	0.72						
72-20-8	Endrin	CPEST	ug/kg	2.67						
72-43-5	Methoxychlor	CPEST	ug/kg	29.6						
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22						
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07						
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL						
76-44-8	Heptachlor	CPEST	ug/kg	68						
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1						
959-98-8	Endosulfan I	CPEST	ug/kg	2.9						
11096-82-5	Aroclor 1260	E608	ug/kg	21.6						
11097-69-1	Aroclor 1254	E608	ug/kg	23						
11100-14-4	Aroclor 1268	E608	ug/kg	21.6						
11104-28-2	Aroclor 1221	E608	ug/kg	21.6						
11141-16-5	Aroclor 1232	E608	ug/kg	21.6						
12672-29-6	Aroclor 1248	E608	ug/kg	21.6						
12674-11-2	Aroclor 1016	E608	ug/kg	21.6						
37324-23-5	Aroclor 1262	E608	ug/kg	21.6						
53469-21-9	Aroclor 1242	E608	ug/kg	21.6						
100-41-4	Ethylbenzene	E624	ug/kg	305						
100-42-5	Styrene	E624	ug/kg	7070						
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL						
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL						
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460						
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7						
107-06-2	1,2-Dichloroethane	E624	ug/kg	432						
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000						

				sys_loc_code:	C72		C73		C74	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C72 0-6		C73 0-6		C74 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/10/2009		07/23/2009		07/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
108-87-2	Methylcyclohexane	E624	ug/kg	NL						
108-88-3	Toluene	E624	ug/kg	1090						
108-90-7	Chlorobenzene	E624	ug/kg	162						
110-82-7	Cyclohexane	E624	ug/kg	117000						
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473						
123-91-1	1,4-Dioxane	E624	ug/kg	44100						
124-48-1	Dibromochloromethane	E624	ug/kg	680						
127-18-4	Tetrachloroethene	E624	ug/kg	190						
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200						
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300						
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300						
179601-23-1	m,p-Xylene	E624	ug/kg	NL						
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842						
56-23-5	Carbon tetrachloride	E624	ug/kg	248						
591-78-6	2-Hexanone	E624	ug/kg	20900						
67-64-1	Acetone	E624	ug/kg	6130000						
67-66-3	Chloroform	E624	ug/kg	295						
71-43-2	Benzene	E624	ug/kg	137						
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856						
74-83-9	Bromomethane	E624	ug/kg	732						
74-87-3	Chloromethane	E624	ug/kg	11900						
74-97-5	Bromochloromethane	E624	ug/kg	NL						
75-00-3	Chloroethane	E624	ug/kg	1450000						
75-01-4	Vinyl Chloride	E624	ug/kg	59.7						
75-09-2	Methylene chloride	E624	ug/kg	10700						
75-15-0	Carbon Disulfide	E624	ug/kg	0.851						
75-25-2	Bromoform	E624	ug/kg	1310						
75-27-4	Bromodichloromethane	E624	ug/kg	273						
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310						
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780						
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700						
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400						
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000						

				sys_loc_code:	C72		C73		C74	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C72 0-6		C73 0-6		C74 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/10/2009		07/23/2009		07/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
78-87-5	1,2-Dichloropropane	E624	ug/kg	895						
78-93-3	2-Butanone	E624	ug/kg	2780000						
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570						
79-01-6	Trichloroethene	E624	ug/kg	1600						
79-20-9	Methyl Acetate	E624	ug/kg	7820000						
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202						
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858						
95-47-6	o-Xylene	E624	ug/kg	NL						
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989						
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35						
98-82-8	Isopropylbenzene	E624	ug/kg	86						
100-01-6	4-Nitroaniline	E625	ug/kg	24300						
100-02-7	4-Nitrophenol	E625	ug/kg	NL						
100-52-7	Benzaldehyde	E625	ug/kg	782000						
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230						
105-60-2	Caprolactam	E625	ug/kg	3060000						
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29						
106-44-5	4-Methylphenol	E625	ug/kg	670						
106-47-8	4-Chloroaniline	E625	ug/kg	2430						
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570						
108-95-2	Phenol	E625	ug/kg	420						
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214						
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300						
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182						
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL						
118-74-1	Hexachlorobenzene	E625	ug/kg	20						
120-12-7	Anthracene	E625	ug/kg	46.9						
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117						
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6						
129-00-0	Pyrene	E625	ug/kg	153						
131-11-3	Dimethylphthalate	E625	ug/kg	NL						
132-64-9	Dibenzofuran	E625	ug/kg	7300						
1912-24-9	Atrazine	E625	ug/kg	6.62						

				sys_loc_code:	C72		C73		C74	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C72 0-6		C73 0-6		C74 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/10/2009		07/23/2009		07/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170						
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17						
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148						
206-44-0	Fluoranthene	E625	ug/kg	113						
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240						
208-96-8	Acenaphthylene	E625	ug/kg	5.87						
218-01-9	Chrysene	E625	ug/kg	108						
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8						
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200						
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611						
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22						
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8						
58-90-2	Chlorophenols	E625	ug/kg	284						
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000						
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120						
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4						
67-72-1	Hexachloroethane	E625	ug/kg	804						
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL						
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139						
78-59-1	Isophorone	E625	ug/kg	511000						
83-32-9	Acenaphthene	E625	ug/kg	6.71						
84-66-2	Diethylphthalate	E625	ug/kg	218						
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160						
85-01-8	Phenanthrene	E625	ug/kg	86.7						
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800						
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100						
86-73-7	Fluorene	E625	ug/kg	19						
86-74-8	Carbazole	E625	ug/kg	NL						
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110						
87-86-5	Pentachlorophenol	E625	ug/kg	2970						
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650						
88-74-4	2-Nitroaniline	E625	ug/kg	60600						
88-75-5	2-Nitrophenol	E625	ug/kg	NL						

				sys_loc_code:	C72		C73		C74	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C72 0-6		C73 0-6		C74 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/10/2009		07/23/2009		07/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
91-20-3	Naphthalene	E625	ug/kg	34.6						
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2						
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000						
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080						
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220						
95-48-7	2-Methylphenol	E625	ug/kg	306000						
95-57-8	2-Chlorophenol	E625	ug/kg	344						
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830						
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819						
98-86-2	Acetophenone	E625	ug/kg	782000						
98-95-3	Nitrobenzene	E625	ug/kg	4790						
99-09-2	3-Nitroaniline	E625	ug/kg	NL						

				sys_loc_code:	C75			C76		C79	
				loc_name:	Area-11			Area-11		Area-11	
				sys_sample_code:	C75 0-6			C76 0-6		C79 0-6	
				depth:	0-6 in			0-6 in		0-6 in	
				sample_date:	07/23/2009			07/10/2009		07/13/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED							
7429-90-5	Aluminum	E200.7	mg/kg	7740	1790			2330	J	2190	
7440-38-2	Arsenic	E200.7	mg/kg	0.389						13.8	
7440-70-2	Calcium	E200.7	mg/kg	NL	1820			661	UJ	1950	
7440-50-8	Copper	E200.7	mg/kg	18.7							
7439-89-6	Iron	E200.7	mg/kg	2000	7010			6250	J	40200	
7439-92-1	Lead	E200.7	mg/kg	30.2						13.6	
7439-95-4	Magnesium	E200.7	mg/kg	NL	666			693	J	742	
7439-96-5	Manganese	E200.7	mg/kg	183						108	
7440-09-7	Potassium	E200.7	mg/kg	NL	626	U		661	UJ	309	J
7440-23-5	Sodium	E200.7	mg/kg	NL	1730			1510	J	1930	
7440-66-6	Zinc	E200.7	mg/kg	124						77.3	
7440-36-0	Antimony	E200.8	mg/kg	2	1.3	U		1.3	U	1.2	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389	5.7	J		4.2	J		
7440-39-3	Barium	E200.8	mg/kg	130.1	6.3	UJ		6.1	J	2.3	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.31	U		0.4		0.31	U
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.48			0.45		0.31	U
7440-47-3	Chromium	E200.8	mg/kg	52.3	10.6			12.2		11.7	
7440-48-4	Cobalt	E200.8	mg/kg	2.34	1.2			2.8		2	J
7440-50-8	Copper	E200.8	mg/kg	18.7	42.8			61		9.2	
7439-92-1	Lead	E200.8	mg/kg	30.2	25.4			38.9			
7439-96-5	Manganese	E200.8	mg/kg	183	25.8			17.7			
7440-02-0	Nickel	E200.8	mg/kg	15.9	4.7			6.1		3.3	J
7782-49-2	Selenium	E200.8	mg/kg	2	0.63	U		0.34	J	0.33	J
7440-22-4	Silver	E200.8	mg/kg	0.73	0.45			0.38	J	0.31	UJ
7440-28-0	Thallium	E200.8	mg/kg	100000	0.63	U		0.66	U	0.62	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	12.4	J		15.2		19.6	J
7440-66-6	Zinc	E200.8	mg/kg	124	70.2			59.5			
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.18			0.16		0.057	
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6							
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357							
309-00-2	Aldrin	CPEST	ug/kg	2							
319-84-6	Alpha-Bhc	CPEST	ug/kg	3							
319-85-7	Beta-Bhc	CPEST	ug/kg	3							

				sys_loc_code:	C75		C76		C79	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C75 0-6		C76 0-6		C79 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/23/2009		07/10/2009		07/13/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
319-86-8	Delta-Bhc	CPEST	ug/kg	3						
33213-65-9	Endosulfan II	CPEST	ug/kg	14						
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19						
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7						
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7						
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL						
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32						
60-57-1	Dieldrin	CPEST	ug/kg	0.72						
72-20-8	Endrin	CPEST	ug/kg	2.67						
72-43-5	Methoxychlor	CPEST	ug/kg	29.6						
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22						
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07						
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL						
76-44-8	Heptachlor	CPEST	ug/kg	68						
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1						
959-98-8	Endosulfan I	CPEST	ug/kg	2.9						
11096-82-5	Aroclor 1260	E608	ug/kg	21.6						
11097-69-1	Aroclor 1254	E608	ug/kg	23						
11100-14-4	Aroclor 1268	E608	ug/kg	21.6						
11104-28-2	Aroclor 1221	E608	ug/kg	21.6						
11141-16-5	Aroclor 1232	E608	ug/kg	21.6						
12672-29-6	Aroclor 1248	E608	ug/kg	21.6						
12674-11-2	Aroclor 1016	E608	ug/kg	21.6						
37324-23-5	Aroclor 1262	E608	ug/kg	21.6						
53469-21-9	Aroclor 1242	E608	ug/kg	21.6						
100-41-4	Ethylbenzene	E624	ug/kg	305						
100-42-5	Styrene	E624	ug/kg	7070						
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL						
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL						
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460						
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7						
107-06-2	1,2-Dichloroethane	E624	ug/kg	432						
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000						

				sys_loc_code:	C75		C76		C79	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C75 0-6		C76 0-6		C79 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/23/2009		07/10/2009		07/13/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
108-87-2	Methylcyclohexane	E624	ug/kg	NL						
108-88-3	Toluene	E624	ug/kg	1090						
108-90-7	Chlorobenzene	E624	ug/kg	162						
110-82-7	Cyclohexane	E624	ug/kg	117000						
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473						
123-91-1	1,4-Dioxane	E624	ug/kg	44100						
124-48-1	Dibromochloromethane	E624	ug/kg	680						
127-18-4	Tetrachloroethene	E624	ug/kg	190						
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200						
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300						
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300						
179601-23-1	m,p-Xylene	E624	ug/kg	NL						
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842						
56-23-5	Carbon tetrachloride	E624	ug/kg	248						
591-78-6	2-Hexanone	E624	ug/kg	20900						
67-64-1	Acetone	E624	ug/kg	6130000						
67-66-3	Chloroform	E624	ug/kg	295						
71-43-2	Benzene	E624	ug/kg	137						
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856						
74-83-9	Bromomethane	E624	ug/kg	732						
74-87-3	Chloromethane	E624	ug/kg	11900						
74-97-5	Bromochloromethane	E624	ug/kg	NL						
75-00-3	Chloroethane	E624	ug/kg	1450000						
75-01-4	Vinyl Chloride	E624	ug/kg	59.7						
75-09-2	Methylene chloride	E624	ug/kg	10700						
75-15-0	Carbon Disulfide	E624	ug/kg	0.851						
75-25-2	Bromoform	E624	ug/kg	1310						
75-27-4	Bromodichloromethane	E624	ug/kg	273						
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310						
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780						
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700						
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400						
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000						

				sys_loc_code:	C75		C76		C79	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C75 0-6		C76 0-6		C79 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/23/2009		07/10/2009		07/13/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
78-87-5	1,2-Dichloropropane	E624	ug/kg	895						
78-93-3	2-Butanone	E624	ug/kg	2780000						
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570						
79-01-6	Trichloroethene	E624	ug/kg	1600						
79-20-9	Methyl Acetate	E624	ug/kg	7820000						
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202						
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858						
95-47-6	o-Xylene	E624	ug/kg	NL						
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989						
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35						
98-82-8	Isopropylbenzene	E624	ug/kg	86						
100-01-6	4-Nitroaniline	E625	ug/kg	24300						
100-02-7	4-Nitrophenol	E625	ug/kg	NL						
100-52-7	Benzaldehyde	E625	ug/kg	782000						
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230						
105-60-2	Caprolactam	E625	ug/kg	3060000						
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29						
106-44-5	4-Methylphenol	E625	ug/kg	670						
106-47-8	4-Chloroaniline	E625	ug/kg	2430						
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570						
108-95-2	Phenol	E625	ug/kg	420						
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214						
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300						
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182						
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL						
118-74-1	Hexachlorobenzene	E625	ug/kg	20						
120-12-7	Anthracene	E625	ug/kg	46.9						
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117						
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6						
129-00-0	Pyrene	E625	ug/kg	153						
131-11-3	Dimethylphthalate	E625	ug/kg	NL						
132-64-9	Dibenzofuran	E625	ug/kg	7300						
1912-24-9	Atrazine	E625	ug/kg	6.62						

				sys_loc_code:	C75		C76		C79	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C75 0-6		C76 0-6		C79 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/23/2009		07/10/2009		07/13/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170						
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17						
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148						
206-44-0	Fluoranthene	E625	ug/kg	113						
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240						
208-96-8	Acenaphthylene	E625	ug/kg	5.87						
218-01-9	Chrysene	E625	ug/kg	108						
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8						
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200						
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611						
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22						
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8						
58-90-2	Chlorophenols	E625	ug/kg	284						
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000						
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120						
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4						
67-72-1	Hexachloroethane	E625	ug/kg	804						
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL						
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139						
78-59-1	Isophorone	E625	ug/kg	511000						
83-32-9	Acenaphthene	E625	ug/kg	6.71						
84-66-2	Diethylphthalate	E625	ug/kg	218						
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160						
85-01-8	Phenanthrene	E625	ug/kg	86.7						
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800						
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100						
86-73-7	Fluorene	E625	ug/kg	19						
86-74-8	Carbazole	E625	ug/kg	NL						
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110						
87-86-5	Pentachlorophenol	E625	ug/kg	2970						
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650						
88-74-4	2-Nitroaniline	E625	ug/kg	60600						
88-75-5	2-Nitrophenol	E625	ug/kg	NL						

				sys_loc_code:	C75		C76		C79	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C75 0-6		C76 0-6		C79 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/23/2009		07/10/2009		07/13/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
91-20-3	Naphthalene	E625	ug/kg	34.6						
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2						
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000						
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080						
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220						
95-48-7	2-Methylphenol	E625	ug/kg	306000						
95-57-8	2-Chlorophenol	E625	ug/kg	344						
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830						
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819						
98-86-2	Acetophenone	E625	ug/kg	782000						
98-95-3	Nitrobenzene	E625	ug/kg	4790						
99-09-2	3-Nitroaniline	E625	ug/kg	NL						

				sys_loc_code:	C80			C81		C82	
				loc_name:	Area-11			Area-11		Area-11	
				sys_sample_code:	C80 0-6			C81 0-6		C82 0-6	
				depth:	0-6 in			0-6 in		0-6 in	
				sample_date:	07/13/2009			07/23/2009		07/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED							
7429-90-5	Aluminum	E200.7	mg/kg	7740	1800			1550	J	1160	J
7440-38-2	Arsenic	E200.7	mg/kg	0.389	8.7						
7440-70-2	Calcium	E200.7	mg/kg	NL	2200			751	J	1270	J
7440-50-8	Copper	E200.7	mg/kg	18.7							
7439-89-6	Iron	E200.7	mg/kg	2000	16200			10800	J	5810	J
7439-92-1	Lead	E200.7	mg/kg	30.2	15.4						
7439-95-4	Magnesium	E200.7	mg/kg	NL	614			583	J	554	J
7439-96-5	Manganese	E200.7	mg/kg	183	47.6						
7440-09-7	Potassium	E200.7	mg/kg	NL	241	J		625	U	627	U
7440-23-5	Sodium	E200.7	mg/kg	NL	1540			1550		1620	
7440-66-6	Zinc	E200.7	mg/kg	124	90						
7440-36-0	Antimony	E200.8	mg/kg	2	1.2	U					
7440-38-2	Arsenic	E200.8	mg/kg	0.389							
7440-39-3	Barium	E200.8	mg/kg	130.1	2.3	J					
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.54						
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.3	U					
7440-47-3	Chromium	E200.8	mg/kg	52.3	16.1						
7440-48-4	Cobalt	E200.8	mg/kg	2.34	2	J					
7440-50-8	Copper	E200.8	mg/kg	18.7	11.7						
7439-92-1	Lead	E200.8	mg/kg	30.2							
7439-96-5	Manganese	E200.8	mg/kg	183							
7440-02-0	Nickel	E200.8	mg/kg	15.9	3.6	J					
7782-49-2	Selenium	E200.8	mg/kg	2	0.31	J					
7440-22-4	Silver	E200.8	mg/kg	0.73	0.3	UJ					
7440-28-0	Thallium	E200.8	mg/kg	100000	0.59	U					
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	19.8	J					
7440-66-6	Zinc	E200.8	mg/kg	124							
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.078						
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6							
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357							
309-00-2	Aldrin	CPEST	ug/kg	2							
319-84-6	Alpha-Bhc	CPEST	ug/kg	3							
319-85-7	Beta-Bhc	CPEST	ug/kg	3							

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				sys_loc_code:	C80		C81		C82	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C80 0-6		C81 0-6		C82 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/13/2009		07/23/2009		07/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
319-86-8	Delta-Bhc	CPEST	ug/kg	3						
33213-65-9	Endosulfan II	CPEST	ug/kg	14						
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19						
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7						
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7						
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL						
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32						
60-57-1	Dieldrin	CPEST	ug/kg	0.72						
72-20-8	Endrin	CPEST	ug/kg	2.67						
72-43-5	Methoxychlor	CPEST	ug/kg	29.6						
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22						
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07						
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL						
76-44-8	Heptachlor	CPEST	ug/kg	68						
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1						
959-98-8	Endosulfan I	CPEST	ug/kg	2.9						
11096-82-5	Aroclor 1260	E608	ug/kg	21.6						
11097-69-1	Aroclor 1254	E608	ug/kg	23						
11100-14-4	Aroclor 1268	E608	ug/kg	21.6						
11104-28-2	Aroclor 1221	E608	ug/kg	21.6						
11141-16-5	Aroclor 1232	E608	ug/kg	21.6						
12672-29-6	Aroclor 1248	E608	ug/kg	21.6						
12674-11-2	Aroclor 1016	E608	ug/kg	21.6						
37324-23-5	Aroclor 1262	E608	ug/kg	21.6						
53469-21-9	Aroclor 1242	E608	ug/kg	21.6						
100-41-4	Ethylbenzene	E624	ug/kg	305						
100-42-5	Styrene	E624	ug/kg	7070						
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL						
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL						
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460						
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7						
107-06-2	1,2-Dichloroethane	E624	ug/kg	432						
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000						

				sys_loc_code:	C80		C81		C82	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C80 0-6		C81 0-6		C82 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/13/2009		07/23/2009		07/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
108-87-2	Methylcyclohexane	E624	ug/kg	NL						
108-88-3	Toluene	E624	ug/kg	1090						
108-90-7	Chlorobenzene	E624	ug/kg	162						
110-82-7	Cyclohexane	E624	ug/kg	117000						
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473						
123-91-1	1,4-Dioxane	E624	ug/kg	44100						
124-48-1	Dibromochloromethane	E624	ug/kg	680						
127-18-4	Tetrachloroethene	E624	ug/kg	190						
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200						
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300						
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300						
179601-23-1	m,p-Xylene	E624	ug/kg	NL						
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842						
56-23-5	Carbon tetrachloride	E624	ug/kg	248						
591-78-6	2-Hexanone	E624	ug/kg	20900						
67-64-1	Acetone	E624	ug/kg	6130000						
67-66-3	Chloroform	E624	ug/kg	295						
71-43-2	Benzene	E624	ug/kg	137						
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856						
74-83-9	Bromomethane	E624	ug/kg	732						
74-87-3	Chloromethane	E624	ug/kg	11900						
74-97-5	Bromochloromethane	E624	ug/kg	NL						
75-00-3	Chloroethane	E624	ug/kg	1450000						
75-01-4	Vinyl Chloride	E624	ug/kg	59.7						
75-09-2	Methylene chloride	E624	ug/kg	10700						
75-15-0	Carbon Disulfide	E624	ug/kg	0.851						
75-25-2	Bromoform	E624	ug/kg	1310						
75-27-4	Bromodichloromethane	E624	ug/kg	273						
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310						
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780						
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700						
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400						
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000						

				sys_loc_code:	C80		C81		C82	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C80 0-6		C81 0-6		C82 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/13/2009		07/23/2009		07/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
78-87-5	1,2-Dichloropropane	E624	ug/kg	895						
78-93-3	2-Butanone	E624	ug/kg	2780000						
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570						
79-01-6	Trichloroethene	E624	ug/kg	1600						
79-20-9	Methyl Acetate	E624	ug/kg	7820000						
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202						
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858						
95-47-6	o-Xylene	E624	ug/kg	NL						
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989						
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35						
98-82-8	Isopropylbenzene	E624	ug/kg	86						
100-01-6	4-Nitroaniline	E625	ug/kg	24300						
100-02-7	4-Nitrophenol	E625	ug/kg	NL						
100-52-7	Benzaldehyde	E625	ug/kg	782000						
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230						
105-60-2	Caprolactam	E625	ug/kg	3060000						
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29						
106-44-5	4-Methylphenol	E625	ug/kg	670						
106-47-8	4-Chloroaniline	E625	ug/kg	2430						
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570						
108-95-2	Phenol	E625	ug/kg	420						
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214						
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300						
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182						
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL						
118-74-1	Hexachlorobenzene	E625	ug/kg	20						
120-12-7	Anthracene	E625	ug/kg	46.9						
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117						
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6						
129-00-0	Pyrene	E625	ug/kg	153						
131-11-3	Dimethylphthalate	E625	ug/kg	NL						
132-64-9	Dibenzofuran	E625	ug/kg	7300						
1912-24-9	Atrazine	E625	ug/kg	6.62						

				sys_loc_code:	C80		C81		C82	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C80 0-6		C81 0-6		C82 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/13/2009		07/23/2009		07/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170						
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17						
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148						
206-44-0	Fluoranthene	E625	ug/kg	113						
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240						
208-96-8	Acenaphthylene	E625	ug/kg	5.87						
218-01-9	Chrysene	E625	ug/kg	108						
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8						
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200						
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611						
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22						
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8						
58-90-2	Chlorophenols	E625	ug/kg	284						
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000						
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120						
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4						
67-72-1	Hexachloroethane	E625	ug/kg	804						
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL						
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139						
78-59-1	Isophorone	E625	ug/kg	511000						
83-32-9	Acenaphthene	E625	ug/kg	6.71						
84-66-2	Diethylphthalate	E625	ug/kg	218						
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160						
85-01-8	Phenanthrene	E625	ug/kg	86.7						
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800						
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100						
86-73-7	Fluorene	E625	ug/kg	19						
86-74-8	Carbazole	E625	ug/kg	NL						
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110						
87-86-5	Pentachlorophenol	E625	ug/kg	2970						
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650						
88-74-4	2-Nitroaniline	E625	ug/kg	60600						
88-75-5	2-Nitrophenol	E625	ug/kg	NL						

				sys_loc_code:	C80		C81		C82	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C80 0-6		C81 0-6		C82 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/13/2009		07/23/2009		07/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
91-20-3	Naphthalene	E625	ug/kg	34.6						
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2						
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000						
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080						
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220						
95-48-7	2-Methylphenol	E625	ug/kg	306000						
95-57-8	2-Chlorophenol	E625	ug/kg	344						
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830						
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819						
98-86-2	Acetophenone	E625	ug/kg	782000						
98-95-3	Nitrobenzene	E625	ug/kg	4790						
99-09-2	3-Nitroaniline	E625	ug/kg	NL						

				sys_loc_code:	C83			C84		C85	
				loc_name:	Area-11			Area-11		Area-11	
				sys_sample_code:	C83 0-6			C84 0-6		C85 0-6	
				depth:	0-6 in			0-6 in		0-6 in	
				sample_date:	07/13/2009			07/13/2009		07/13/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED							
7429-90-5	Aluminum	E200.7	mg/kg	7740	1090			1750		1420	
7440-38-2	Arsenic	E200.7	mg/kg	0.389	6.4			4	J	4.1	
7440-70-2	Calcium	E200.7	mg/kg	NL	6710	J		589	UJ	620	U
7440-50-8	Copper	E200.7	mg/kg	18.7							
7439-89-6	Iron	E200.7	mg/kg	2000	12500	J		12300	J	13300	
7439-92-1	Lead	E200.7	mg/kg	30.2	12.9			6.6		10.3	
7439-95-4	Magnesium	E200.7	mg/kg	NL	514	J		745		514	J
7439-96-5	Manganese	E200.7	mg/kg	183	53.3	J		50.2	J	35.7	
7440-09-7	Potassium	E200.7	mg/kg	NL	189	J		325	J	254	J
7440-23-5	Sodium	E200.7	mg/kg	NL	1550			1580		1820	
7440-66-6	Zinc	E200.7	mg/kg	124	40.1	J		23.1	J	42.7	
7440-36-0	Antimony	E200.8	mg/kg	2	1.1	U		1.2	U	1.2	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389							
7440-39-3	Barium	E200.8	mg/kg	130.1	5.6	UJ		6	UJ	2.1	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.28	U		0.3	U	0.3	U
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.28	U		0.3	U	0.3	U
7440-47-3	Chromium	E200.8	mg/kg	52.3	8.6			11.7		10.9	
7440-48-4	Cobalt	E200.8	mg/kg	2.34	1.3	J		1.4	J	1.4	J
7440-50-8	Copper	E200.8	mg/kg	18.7	8.8			5.5		7.4	
7439-92-1	Lead	E200.8	mg/kg	30.2							
7439-96-5	Manganese	E200.8	mg/kg	183							
7440-02-0	Nickel	E200.8	mg/kg	15.9	2.8			2.9		2.1	J
7782-49-2	Selenium	E200.8	mg/kg	2	0.26	J		0.27	J	0.23	J
7440-22-4	Silver	E200.8	mg/kg	0.73	0.28	UJ		0.3	UJ	0.3	UJ
7440-28-0	Thallium	E200.8	mg/kg	100000	0.56	U		0.6	U	0.61	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	15.9			20.1		19.9	J
7440-66-6	Zinc	E200.8	mg/kg	124							
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.061			0.036	U	0.054	
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6							
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357							
309-00-2	Aldrin	CPEST	ug/kg	2							
319-84-6	Alpha-Bhc	CPEST	ug/kg	3							
319-85-7	Beta-Bhc	CPEST	ug/kg	3							

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				sys_loc_code:	C83		C84		C85	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C83 0-6		C84 0-6		C85 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/13/2009		07/13/2009		07/13/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
319-86-8	Delta-Bhc	CPEST	ug/kg	3						
33213-65-9	Endosulfan II	CPEST	ug/kg	14						
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19						
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7						
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7						
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL						
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32						
60-57-1	Dieldrin	CPEST	ug/kg	0.72						
72-20-8	Endrin	CPEST	ug/kg	2.67						
72-43-5	Methoxychlor	CPEST	ug/kg	29.6						
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22						
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07						
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL						
76-44-8	Heptachlor	CPEST	ug/kg	68						
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1						
959-98-8	Endosulfan I	CPEST	ug/kg	2.9						
11096-82-5	Aroclor 1260	E608	ug/kg	21.6						
11097-69-1	Aroclor 1254	E608	ug/kg	23						
11100-14-4	Aroclor 1268	E608	ug/kg	21.6						
11104-28-2	Aroclor 1221	E608	ug/kg	21.6						
11141-16-5	Aroclor 1232	E608	ug/kg	21.6						
12672-29-6	Aroclor 1248	E608	ug/kg	21.6						
12674-11-2	Aroclor 1016	E608	ug/kg	21.6						
37324-23-5	Aroclor 1262	E608	ug/kg	21.6						
53469-21-9	Aroclor 1242	E608	ug/kg	21.6						
100-41-4	Ethylbenzene	E624	ug/kg	305						
100-42-5	Styrene	E624	ug/kg	7070						
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL						
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL						
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460						
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7						
107-06-2	1,2-Dichloroethane	E624	ug/kg	432						
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000						

				sys_loc_code:	C83		C84		C85	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C83 0-6		C84 0-6		C85 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/13/2009		07/13/2009		07/13/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
108-87-2	Methylcyclohexane	E624	ug/kg	NL						
108-88-3	Toluene	E624	ug/kg	1090						
108-90-7	Chlorobenzene	E624	ug/kg	162						
110-82-7	Cyclohexane	E624	ug/kg	117000						
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473						
123-91-1	1,4-Dioxane	E624	ug/kg	44100						
124-48-1	Dibromochloromethane	E624	ug/kg	680						
127-18-4	Tetrachloroethene	E624	ug/kg	190						
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200						
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300						
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300						
179601-23-1	m,p-Xylene	E624	ug/kg	NL						
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842						
56-23-5	Carbon tetrachloride	E624	ug/kg	248						
591-78-6	2-Hexanone	E624	ug/kg	20900						
67-64-1	Acetone	E624	ug/kg	6130000						
67-66-3	Chloroform	E624	ug/kg	295						
71-43-2	Benzene	E624	ug/kg	137						
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856						
74-83-9	Bromomethane	E624	ug/kg	732						
74-87-3	Chloromethane	E624	ug/kg	11900						
74-97-5	Bromochloromethane	E624	ug/kg	NL						
75-00-3	Chloroethane	E624	ug/kg	1450000						
75-01-4	Vinyl Chloride	E624	ug/kg	59.7						
75-09-2	Methylene chloride	E624	ug/kg	10700						
75-15-0	Carbon Disulfide	E624	ug/kg	0.851						
75-25-2	Bromoform	E624	ug/kg	1310						
75-27-4	Bromodichloromethane	E624	ug/kg	273						
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310						
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780						
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700						
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400						
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000						

				sys_loc_code:	C83		C84		C85	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C83 0-6		C84 0-6		C85 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/13/2009		07/13/2009		07/13/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
78-87-5	1,2-Dichloropropane	E624	ug/kg	895						
78-93-3	2-Butanone	E624	ug/kg	2780000						
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570						
79-01-6	Trichloroethene	E624	ug/kg	1600						
79-20-9	Methyl Acetate	E624	ug/kg	7820000						
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202						
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858						
95-47-6	o-Xylene	E624	ug/kg	NL						
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989						
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35						
98-82-8	Isopropylbenzene	E624	ug/kg	86						
100-01-6	4-Nitroaniline	E625	ug/kg	24300						
100-02-7	4-Nitrophenol	E625	ug/kg	NL						
100-52-7	Benzaldehyde	E625	ug/kg	782000						
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230						
105-60-2	Caprolactam	E625	ug/kg	3060000						
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29						
106-44-5	4-Methylphenol	E625	ug/kg	670						
106-47-8	4-Chloroaniline	E625	ug/kg	2430						
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570						
108-95-2	Phenol	E625	ug/kg	420						
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214						
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300						
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182						
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL						
118-74-1	Hexachlorobenzene	E625	ug/kg	20						
120-12-7	Anthracene	E625	ug/kg	46.9						
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117						
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6						
129-00-0	Pyrene	E625	ug/kg	153						
131-11-3	Dimethylphthalate	E625	ug/kg	NL						
132-64-9	Dibenzofuran	E625	ug/kg	7300						
1912-24-9	Atrazine	E625	ug/kg	6.62						

				sys_loc_code:	C83		C84		C85	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C83 0-6		C84 0-6		C85 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/13/2009		07/13/2009		07/13/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170						
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17						
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148						
206-44-0	Fluoranthene	E625	ug/kg	113						
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240						
208-96-8	Acenaphthylene	E625	ug/kg	5.87						
218-01-9	Chrysene	E625	ug/kg	108						
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8						
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200						
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611						
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22						
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8						
58-90-2	Chlorophenols	E625	ug/kg	284						
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000						
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120						
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4						
67-72-1	Hexachloroethane	E625	ug/kg	804						
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL						
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139						
78-59-1	Isophorone	E625	ug/kg	511000						
83-32-9	Acenaphthene	E625	ug/kg	6.71						
84-66-2	Diethylphthalate	E625	ug/kg	218						
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160						
85-01-8	Phenanthrene	E625	ug/kg	86.7						
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800						
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100						
86-73-7	Fluorene	E625	ug/kg	19						
86-74-8	Carbazole	E625	ug/kg	NL						
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110						
87-86-5	Pentachlorophenol	E625	ug/kg	2970						
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650						
88-74-4	2-Nitroaniline	E625	ug/kg	60600						
88-75-5	2-Nitrophenol	E625	ug/kg	NL						

				sys_loc_code:	C83		C84		C85	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C83 0-6		C84 0-6		C85 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/13/2009		07/13/2009		07/13/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
91-20-3	Naphthalene	E625	ug/kg	34.6						
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2						
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000						
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080						
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220						
95-48-7	2-Methylphenol	E625	ug/kg	306000						
95-57-8	2-Chlorophenol	E625	ug/kg	344						
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830						
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819						
98-86-2	Acetophenone	E625	ug/kg	782000						
98-95-3	Nitrobenzene	E625	ug/kg	4790						
99-09-2	3-Nitroaniline	E625	ug/kg	NL						

				sys_loc_code:	C86		C87		C88		
				loc_name:	Area-11		Area-11		Area-11		
				sys_sample_code:	C86 0-6		C87 0-6		C88 0-6		
				depth:	0-6 in		0-6 in		0-6 in		
				sample_date:	07/13/2009		07/10/2009		07/23/2009		
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED							
7429-90-5	Aluminum	E200.7	mg/kg	7740	1170		3060	J	1250	J	
7440-38-2	Arsenic	E200.7	mg/kg	0.389	5.3	J					
7440-70-2	Calcium	E200.7	mg/kg	NL	1420	J	646	UJ	1880	J	
7440-50-8	Copper	E200.7	mg/kg	18.7							
7439-89-6	Iron	E200.7	mg/kg	2000	12000	J	15800	J	10300	J	
7439-92-1	Lead	E200.7	mg/kg	30.2	10.6						
7439-95-4	Magnesium	E200.7	mg/kg	NL	481	J	646	UJ	536	J	
7439-96-5	Manganese	E200.7	mg/kg	183	40.5	J					
7440-09-7	Potassium	E200.7	mg/kg	NL	197	J	646	UJ	622	U	
7440-23-5	Sodium	E200.7	mg/kg	NL	1800		499	J	1600		
7440-66-6	Zinc	E200.7	mg/kg	124	47.9	J					
7440-36-0	Antimony	E200.8	mg/kg	2	1.2	U	1.3	U			
7440-38-2	Arsenic	E200.8	mg/kg	0.389			8.1	J			
7440-39-3	Barium	E200.8	mg/kg	130.1	6	UJ	9.4	J			
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.3	U	0.56				
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.3	U	0.47				
7440-47-3	Chromium	E200.8	mg/kg	52.3	12.1		15.9				
7440-48-4	Cobalt	E200.8	mg/kg	2.34	1.5	J	4.6				
7440-50-8	Copper	E200.8	mg/kg	18.7	11.8		23.6				
7439-92-1	Lead	E200.8	mg/kg	30.2			23.6				
7439-96-5	Manganese	E200.8	mg/kg	183			30.7				
7440-02-0	Nickel	E200.8	mg/kg	15.9	3		9.7				
7782-49-2	Selenium	E200.8	mg/kg	2	0.26	J	0.66	J			
7440-22-4	Silver	E200.8	mg/kg	0.73	0.3	UJ	0.17	J			
7440-28-0	Thallium	E200.8	mg/kg	100000	0.6	U	0.65	U			
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	20.4		28				
7440-66-6	Zinc	E200.8	mg/kg	124			93.1				
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.046		0.15				
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6							
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357							
309-00-2	Aldrin	CPEST	ug/kg	2							
319-84-6	Alpha-Bhc	CPEST	ug/kg	3							
319-85-7	Beta-Bhc	CPEST	ug/kg	3							

				sys_loc_code:	C86		C87		C88	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C86 0-6		C87 0-6		C88 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/13/2009		07/10/2009		07/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
319-86-8	Delta-Bhc	CPEST	ug/kg	3						
33213-65-9	Endosulfan II	CPEST	ug/kg	14						
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19						
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7						
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7						
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL						
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32						
60-57-1	Dieldrin	CPEST	ug/kg	0.72						
72-20-8	Endrin	CPEST	ug/kg	2.67						
72-43-5	Methoxychlor	CPEST	ug/kg	29.6						
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22						
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07						
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL						
76-44-8	Heptachlor	CPEST	ug/kg	68						
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1						
959-98-8	Endosulfan I	CPEST	ug/kg	2.9						
11096-82-5	Aroclor 1260	E608	ug/kg	21.6						
11097-69-1	Aroclor 1254	E608	ug/kg	23						
11100-14-4	Aroclor 1268	E608	ug/kg	21.6						
11104-28-2	Aroclor 1221	E608	ug/kg	21.6						
11141-16-5	Aroclor 1232	E608	ug/kg	21.6						
12672-29-6	Aroclor 1248	E608	ug/kg	21.6						
12674-11-2	Aroclor 1016	E608	ug/kg	21.6						
37324-23-5	Aroclor 1262	E608	ug/kg	21.6						
53469-21-9	Aroclor 1242	E608	ug/kg	21.6						
100-41-4	Ethylbenzene	E624	ug/kg	305						
100-42-5	Styrene	E624	ug/kg	7070						
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL						
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL						
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460						
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7						
107-06-2	1,2-Dichloroethane	E624	ug/kg	432						
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000						

				sys_loc_code:	C86		C87		C88	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C86 0-6		C87 0-6		C88 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/13/2009		07/10/2009		07/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
108-87-2	Methylcyclohexane	E624	ug/kg	NL						
108-88-3	Toluene	E624	ug/kg	1090						
108-90-7	Chlorobenzene	E624	ug/kg	162						
110-82-7	Cyclohexane	E624	ug/kg	117000						
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473						
123-91-1	1,4-Dioxane	E624	ug/kg	44100						
124-48-1	Dibromochloromethane	E624	ug/kg	680						
127-18-4	Tetrachloroethene	E624	ug/kg	190						
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200						
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300						
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300						
179601-23-1	m,p-Xylene	E624	ug/kg	NL						
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842						
56-23-5	Carbon tetrachloride	E624	ug/kg	248						
591-78-6	2-Hexanone	E624	ug/kg	20900						
67-64-1	Acetone	E624	ug/kg	6130000						
67-66-3	Chloroform	E624	ug/kg	295						
71-43-2	Benzene	E624	ug/kg	137						
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856						
74-83-9	Bromomethane	E624	ug/kg	732						
74-87-3	Chloromethane	E624	ug/kg	11900						
74-97-5	Bromochloromethane	E624	ug/kg	NL						
75-00-3	Chloroethane	E624	ug/kg	1450000						
75-01-4	Vinyl Chloride	E624	ug/kg	59.7						
75-09-2	Methylene chloride	E624	ug/kg	10700						
75-15-0	Carbon Disulfide	E624	ug/kg	0.851						
75-25-2	Bromoform	E624	ug/kg	1310						
75-27-4	Bromodichloromethane	E624	ug/kg	273						
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310						
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780						
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700						
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400						
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000						

				sys_loc_code:	C86		C87		C88	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C86 0-6		C87 0-6		C88 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/13/2009		07/10/2009		07/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
78-87-5	1,2-Dichloropropane	E624	ug/kg	895						
78-93-3	2-Butanone	E624	ug/kg	2780000						
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570						
79-01-6	Trichloroethene	E624	ug/kg	1600						
79-20-9	Methyl Acetate	E624	ug/kg	7820000						
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202						
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858						
95-47-6	o-Xylene	E624	ug/kg	NL						
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989						
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35						
98-82-8	Isopropylbenzene	E624	ug/kg	86						
100-01-6	4-Nitroaniline	E625	ug/kg	24300						
100-02-7	4-Nitrophenol	E625	ug/kg	NL						
100-52-7	Benzaldehyde	E625	ug/kg	782000						
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230						
105-60-2	Caprolactam	E625	ug/kg	3060000						
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29						
106-44-5	4-Methylphenol	E625	ug/kg	670						
106-47-8	4-Chloroaniline	E625	ug/kg	2430						
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570						
108-95-2	Phenol	E625	ug/kg	420						
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214						
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300						
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182						
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL						
118-74-1	Hexachlorobenzene	E625	ug/kg	20						
120-12-7	Anthracene	E625	ug/kg	46.9						
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117						
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6						
129-00-0	Pyrene	E625	ug/kg	153						
131-11-3	Dimethylphthalate	E625	ug/kg	NL						
132-64-9	Dibenzofuran	E625	ug/kg	7300						
1912-24-9	Atrazine	E625	ug/kg	6.62						

				sys_loc_code:	C86		C87		C88	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C86 0-6		C87 0-6		C88 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/13/2009		07/10/2009		07/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170						
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17						
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148						
206-44-0	Fluoranthene	E625	ug/kg	113						
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240						
208-96-8	Acenaphthylene	E625	ug/kg	5.87						
218-01-9	Chrysene	E625	ug/kg	108						
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8						
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200						
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611						
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22						
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8						
58-90-2	Chlorophenols	E625	ug/kg	284						
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000						
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120						
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4						
67-72-1	Hexachloroethane	E625	ug/kg	804						
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL						
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139						
78-59-1	Isophorone	E625	ug/kg	511000						
83-32-9	Acenaphthene	E625	ug/kg	6.71						
84-66-2	Diethylphthalate	E625	ug/kg	218						
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160						
85-01-8	Phenanthrene	E625	ug/kg	86.7						
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800						
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100						
86-73-7	Fluorene	E625	ug/kg	19						
86-74-8	Carbazole	E625	ug/kg	NL						
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110						
87-86-5	Pentachlorophenol	E625	ug/kg	2970						
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650						
88-74-4	2-Nitroaniline	E625	ug/kg	60600						
88-75-5	2-Nitrophenol	E625	ug/kg	NL						

				sys_loc_code:	C86		C87		C88	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C86 0-6		C87 0-6		C88 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/13/2009		07/10/2009		07/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
91-20-3	Naphthalene	E625	ug/kg	34.6						
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2						
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000						
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080						
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220						
95-48-7	2-Methylphenol	E625	ug/kg	306000						
95-57-8	2-Chlorophenol	E625	ug/kg	344						
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830						
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819						
98-86-2	Acetophenone	E625	ug/kg	782000						
98-95-3	Nitrobenzene	E625	ug/kg	4790						
99-09-2	3-Nitroaniline	E625	ug/kg	NL						

				sys_loc_code:	C89			C90		C91	
				loc_name:	Area-11			Area-11		Area-11	
				sys_sample_code:	C89 0-6			C90 0-6		C91 0-6	
				depth:	0-6 in			0-6 in		0-6 in	
				sample_date:	07/23/2009			07/10/2009		07/10/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED							
7429-90-5	Aluminum	E200.7	mg/kg	7740	1260	J		1680		3260	
7440-38-2	Arsenic	E200.7	mg/kg	0.389							
7440-70-2	Calcium	E200.7	mg/kg	NL	3260	J		1310	J	385	J
7440-50-8	Copper	E200.7	mg/kg	18.7							
7439-89-6	Iron	E200.7	mg/kg	2000	5360	J		5310	J	8110	J
7439-92-1	Lead	E200.7	mg/kg	30.2							
7439-95-4	Magnesium	E200.7	mg/kg	NL	586	J		724		1060	
7439-96-5	Manganese	E200.7	mg/kg	183							
7440-09-7	Potassium	E200.7	mg/kg	NL	653	U		379	J	610	J
7440-23-5	Sodium	E200.7	mg/kg	NL	1860			2320		1070	
7440-66-6	Zinc	E200.7	mg/kg	124							
7440-36-0	Antimony	E200.8	mg/kg	2				1.4	U	1.4	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389				5.5	J	16.4	J
7440-39-3	Barium	E200.8	mg/kg	130.1				5.2	J	15.8	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6				0.2	J	0.5	
7440-43-9	Cadmium	E200.8	mg/kg	0.68				0.39		0.5	
7440-47-3	Chromium	E200.8	mg/kg	52.3				11.5	J	21.2	J
7440-48-4	Cobalt	E200.8	mg/kg	2.34				1.7		5.3	
7440-50-8	Copper	E200.8	mg/kg	18.7				45		47.2	
7439-92-1	Lead	E200.8	mg/kg	30.2				23.5		38.1	
7439-96-5	Manganese	E200.8	mg/kg	183				36.5	J	68.6	J
7440-02-0	Nickel	E200.8	mg/kg	15.9				6.4		12.8	
7782-49-2	Selenium	E200.8	mg/kg	2				0.63	J	1.1	
7440-22-4	Silver	E200.8	mg/kg	0.73				0.41		0.48	
7440-28-0	Thallium	E200.8	mg/kg	100000				0.68	U	0.71	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548				11.4	J	24	J
7440-66-6	Zinc	E200.8	mg/kg	124				59.4	J	95.5	J
7439-97-6	Mercury	E245.5	mg/kg	0.13				0.15	J	0.39	J
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6						2.3	U
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357						4.4	U
309-00-2	Aldrin	CPEST	ug/kg	2						2.3	U
319-84-6	Alpha-Bhc	CPEST	ug/kg	3						2.3	U
319-85-7	Beta-Bhc	CPEST	ug/kg	3						2.3	U

				sys_loc_code:	C89		C90		C91	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C89 0-6		C90 0-6		C91 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/23/2009		07/10/2009		07/10/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
319-86-8	Delta-Bhc	CPEST	ug/kg	3					2.3	U
33213-65-9	Endosulfan II	CPEST	ug/kg	14					4.4	U
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19					7.6	J
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7					2.3	U
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7					2.3	U
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL					4.4	U
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32					2.3	U
60-57-1	Dieldrin	CPEST	ug/kg	0.72					4.4	U
72-20-8	Endrin	CPEST	ug/kg	2.67					4.4	U
72-43-5	Methoxychlor	CPEST	ug/kg	29.6					23	U
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22					5.6	R
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07					3.9	J
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL					4.4	U
76-44-8	Heptachlor	CPEST	ug/kg	68					2.3	U
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1					230	U
959-98-8	Endosulfan I	CPEST	ug/kg	2.9					2.3	U
11096-82-5	Aroclor 1260	E608	ug/kg	21.6					44	U
11097-69-1	Aroclor 1254	E608	ug/kg	23					87	JN
11100-14-4	Aroclor 1268	E608	ug/kg	21.6					44	U
11104-28-2	Aroclor 1221	E608	ug/kg	21.6					44	U
11141-16-5	Aroclor 1232	E608	ug/kg	21.6					44	U
12672-29-6	Aroclor 1248	E608	ug/kg	21.6					44	U
12674-11-2	Aroclor 1016	E608	ug/kg	21.6					44	U
37324-23-5	Aroclor 1262	E608	ug/kg	21.6					44	U
53469-21-9	Aroclor 1242	E608	ug/kg	21.6					44	U
100-41-4	Ethylbenzene	E624	ug/kg	305					6.1	U
100-42-5	Styrene	E624	ug/kg	7070					6.1	U
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL					6.1	U
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL					6.1	U
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460					6.1	U
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7					6.1	U
107-06-2	1,2-Dichloroethane	E624	ug/kg	432					6.1	U
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000					12	U

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				sys_loc_code:	C89		C90		C91	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C89 0-6		C90 0-6		C91 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/23/2009		07/10/2009		07/10/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
108-87-2	Methylcyclohexane	E624	ug/kg	NL					6.1	U
108-88-3	Toluene	E624	ug/kg	1090					6.1	U
108-90-7	Chlorobenzene	E624	ug/kg	162					6.1	U
110-82-7	Cyclohexane	E624	ug/kg	117000					6.1	U
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473					6.1	U
123-91-1	1,4-Dioxane	E624	ug/kg	44100					120	R
124-48-1	Dibromochloromethane	E624	ug/kg	680					6.1	U
127-18-4	Tetrachloroethene	E624	ug/kg	190					6.1	U
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200					6.1	U
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300					6.1	U
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300					1.3	J
179601-23-1	m,p-Xylene	E624	ug/kg	NL					6.1	U
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842					6.1	U
56-23-5	Carbon tetrachloride	E624	ug/kg	248					6.1	U
591-78-6	2-Hexanone	E624	ug/kg	20900					12	U
67-64-1	Acetone	E624	ug/kg	6130000					12	U
67-66-3	Chloroform	E624	ug/kg	295					6.1	U
71-43-2	Benzene	E624	ug/kg	137					6.1	U
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856					6.1	U
74-83-9	Bromomethane	E624	ug/kg	732					6.1	U
74-87-3	Chloromethane	E624	ug/kg	11900					6.1	U
74-97-5	Bromochloromethane	E624	ug/kg	NL					6.1	U
75-00-3	Chloroethane	E624	ug/kg	1450000					6.1	U
75-01-4	Vinyl Chloride	E624	ug/kg	59.7					6.1	U
75-09-2	Methylene chloride	E624	ug/kg	10700					6.1	U
75-15-0	Carbon Disulfide	E624	ug/kg	0.851					2.1	J
75-25-2	Bromoform	E624	ug/kg	1310					6.1	U
75-27-4	Bromodichloromethane	E624	ug/kg	273					6.1	U
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310					6.1	U
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780					6.1	U
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700					6.1	U
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400					6.1	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000					6.1	U

				sys_loc_code:	C89		C90		C91	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C89 0-6		C90 0-6		C91 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/23/2009		07/10/2009		07/10/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
78-87-5	1,2-Dichloropropane	E624	ug/kg	895					6.1	U
78-93-3	2-Butanone	E624	ug/kg	2780000					12	U
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570					6.1	U
79-01-6	Trichloroethene	E624	ug/kg	1600					6.1	U
79-20-9	Methyl Acetate	E624	ug/kg	7820000					6.1	U
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202					6.1	U
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858					6.1	U
95-47-6	o-Xylene	E624	ug/kg	NL					6.1	U
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989					6.1	U
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35					6.1	U
98-82-8	Isopropylbenzene	E624	ug/kg	86					6.1	U
100-01-6	4-Nitroaniline	E625	ug/kg	24300					440	U
100-02-7	4-Nitrophenol	E625	ug/kg	NL					440	U
100-52-7	Benzaldehyde	E625	ug/kg	782000					27	J
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230					230	U
105-60-2	Caprolactam	E625	ug/kg	3060000					230	U
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29					230	U
106-44-5	4-Methylphenol	E625	ug/kg	670					22	J
106-47-8	4-Chloroaniline	E625	ug/kg	2430					230	U
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570					230	U
108-95-2	Phenol	E625	ug/kg	420					19	J
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214					230	U
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300					230	U
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182					160	J
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL					230	U
118-74-1	Hexachlorobenzene	E625	ug/kg	20					230	U
120-12-7	Anthracene	E625	ug/kg	46.9					75	J
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117					230	U
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6					230	U
129-00-0	Pyrene	E625	ug/kg	153					710	
131-11-3	Dimethylphthalate	E625	ug/kg	NL					230	U
132-64-9	Dibenzofuran	E625	ug/kg	7300					17	J
1912-24-9	Atrazine	E625	ug/kg	6.62					230	U

				sys_loc_code:	C89		C90		C91	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C89 0-6		C90 0-6		C91 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/23/2009		07/10/2009		07/10/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170					270	
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17					230	
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148					490	
206-44-0	Fluoranthene	E625	ug/kg	113					710	
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240					160	J
208-96-8	Acenaphthylene	E625	ug/kg	5.87					11	J
218-01-9	Chrysene	E625	ug/kg	108					520	
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8					400	
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200					440	U
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611					440	U
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22					71	J
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8					520	
58-90-2	Chlorophenols	E625	ug/kg	284					230	U
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000					230	U
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120					230	U
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4					230	U
67-72-1	Hexachloroethane	E625	ug/kg	804					230	U
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL					230	U
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139					230	U
78-59-1	Isophorone	E625	ug/kg	511000					230	U
83-32-9	Acenaphthene	E625	ug/kg	6.71					23	J
84-66-2	Diethylphthalate	E625	ug/kg	218					12	J
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160					28	J
85-01-8	Phenanthrene	E625	ug/kg	86.7					450	
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800					230	U
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100					230	U
86-73-7	Fluorene	E625	ug/kg	19					37	J
86-74-8	Carbazole	E625	ug/kg	NL					38	J
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110					230	U
87-86-5	Pentachlorophenol	E625	ug/kg	2970					440	U
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650					230	U
88-74-4	2-Nitroaniline	E625	ug/kg	60600					440	U
88-75-5	2-Nitrophenol	E625	ug/kg	NL					230	U

				sys_loc_code:	C89		C90		C91	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C89 0-6		C90 0-6		C91 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/23/2009		07/10/2009		07/10/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
91-20-3	Naphthalene	E625	ug/kg	34.6					37	J
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2					36	J
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000					230	U
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080					230	U
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220					230	U
95-48-7	2-Methylphenol	E625	ug/kg	306000					230	U
95-57-8	2-Chlorophenol	E625	ug/kg	344					230	U
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830					230	U
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819					230	U
98-86-2	Acetophenone	E625	ug/kg	782000					29	J
98-95-3	Nitrobenzene	E625	ug/kg	4790					230	U
99-09-2	3-Nitroaniline	E625	ug/kg	NL					440	U

				sys_loc_code:	C92		C93		C94		
				loc_name:	Area-11		Area-11		Area-11		
				sys_sample_code:	C92 0-6		C93 0-6		C94 0-6		
				depth:	0-6 in		0-6 in		0-6 in		
				sample_date:	07/22/2009		07/13/2009		07/27/2009		
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED							
7429-90-5	Aluminum	E200.7	mg/kg	7740	1340		1540				
7440-38-2	Arsenic	E200.7	mg/kg	0.389			5	J			
7440-70-2	Calcium	E200.7	mg/kg	NL	498	J	553	UJ			
7440-50-8	Copper	E200.7	mg/kg	18.7							
7439-89-6	Iron	E200.7	mg/kg	2000	9400		12900	J			
7439-92-1	Lead	E200.7	mg/kg	30.2			8.5				
7439-95-4	Magnesium	E200.7	mg/kg	NL	534	J	563				
7439-96-5	Manganese	E200.7	mg/kg	183			41.8	J			
7440-09-7	Potassium	E200.7	mg/kg	NL	306	J	241	J			
7440-23-5	Sodium	E200.7	mg/kg	NL	1600		1390				
7440-66-6	Zinc	E200.7	mg/kg	124			33.1	J			
7440-36-0	Antimony	E200.8	mg/kg	2	1.2	U	1.2	U	1.2	U	
7440-38-2	Arsenic	E200.8	mg/kg	0.389	5.7				6.5		
7440-39-3	Barium	E200.8	mg/kg	130.1	6.1	UJ	6	UJ	2.4	J	
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.21	J	0.3	U	0.23	J	
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.31	U	0.3	U	0.12	J	
7440-47-3	Chromium	E200.8	mg/kg	52.3	10.5		11.3		14.7	J	
7440-48-4	Cobalt	E200.8	mg/kg	2.34	1.4		1.4	J	1.6	J	
7440-50-8	Copper	E200.8	mg/kg	18.7	11.4		6.8		9.1	J	
7439-92-1	Lead	E200.8	mg/kg	30.2	17.7	J			11.7	J	
7439-96-5	Manganese	E200.8	mg/kg	183	23.8	J			28.9	J	
7440-02-0	Nickel	E200.8	mg/kg	15.9	3.8		3.2		5.1		
7782-49-2	Selenium	E200.8	mg/kg	2	0.44	J	0.32	J	0.56	J	
7440-22-4	Silver	E200.8	mg/kg	0.73	0.31	U	0.3	UJ	0.09	J	
7440-28-0	Thallium	E200.8	mg/kg	100000	0.61	U	0.6	U	0.59	U	
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	15.2	J	22.7		19.4	J	
7440-66-6	Zinc	E200.8	mg/kg	124	45.4				40.9		
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.11		0.036	U	0.036	U	
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6					0.77	J	
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357					4.2	U	
309-00-2	Aldrin	CPEST	ug/kg	2					2.2	U	
319-84-6	Alpha-Bhc	CPEST	ug/kg	3					2.2	U	
319-85-7	Beta-Bhc	CPEST	ug/kg	3					0.098	J	

				sys_loc_code:	C92		C93		C94	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C92 0-6		C93 0-6		C94 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/22/2009		07/13/2009		07/27/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
319-86-8	Delta-Bhc	CPEST	ug/kg	3					2.2	U
33213-65-9	Endosulfan II	CPEST	ug/kg	14					4.2	U
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19					4.2	U
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7					2.2	U
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7					2.2	U
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL					4.2	U
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32					2.2	U
60-57-1	Dieldrin	CPEST	ug/kg	0.72					4.2	U
72-20-8	Endrin	CPEST	ug/kg	2.67					4.2	U
72-43-5	Methoxychlor	CPEST	ug/kg	29.6					22	U
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22					4.2	U
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07					0.13	J
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL					4.2	U
76-44-8	Heptachlor	CPEST	ug/kg	68					2.2	U
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1					220	U
959-98-8	Endosulfan I	CPEST	ug/kg	2.9					2.2	U
11096-82-5	Aroclor 1260	E608	ug/kg	21.6					42	U
11097-69-1	Aroclor 1254	E608	ug/kg	23					42	U
11100-14-4	Aroclor 1268	E608	ug/kg	21.6					42	U
11104-28-2	Aroclor 1221	E608	ug/kg	21.6					42	U
11141-16-5	Aroclor 1232	E608	ug/kg	21.6					42	U
12672-29-6	Aroclor 1248	E608	ug/kg	21.6					42	U
12674-11-2	Aroclor 1016	E608	ug/kg	21.6					42	U
37324-23-5	Aroclor 1262	E608	ug/kg	21.6					42	U
53469-21-9	Aroclor 1242	E608	ug/kg	21.6					42	U
100-41-4	Ethylbenzene	E624	ug/kg	305					6.1	U
100-42-5	Styrene	E624	ug/kg	7070					6.1	U
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL					6.1	U
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL					6.1	U
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460					6.1	U
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7					6.1	U
107-06-2	1,2-Dichloroethane	E624	ug/kg	432					6.1	U
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000					12	U

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				sys_loc_code:	C92		C93		C94	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C92 0-6		C93 0-6		C94 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/22/2009		07/13/2009		07/27/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
108-87-2	Methylcyclohexane	E624	ug/kg	NL					6.1	U
108-88-3	Toluene	E624	ug/kg	1090					6.1	U
108-90-7	Chlorobenzene	E624	ug/kg	162					6.1	U
110-82-7	Cyclohexane	E624	ug/kg	117000					6.1	U
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473					6.1	U
123-91-1	1,4-Dioxane	E624	ug/kg	44100					120	R
124-48-1	Dibromochloromethane	E624	ug/kg	680					6.1	U
127-18-4	Tetrachloroethene	E624	ug/kg	190					6.1	U
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200					6.1	U
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300					6.1	U
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300					6.1	U
179601-23-1	m,p-Xylene	E624	ug/kg	NL					6.1	U
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842					6.1	U
56-23-5	Carbon tetrachloride	E624	ug/kg	248					6.1	U
591-78-6	2-Hexanone	E624	ug/kg	20900					12	U
67-64-1	Acetone	E624	ug/kg	6130000					6.9	J
67-66-3	Chloroform	E624	ug/kg	295					6.1	U
71-43-2	Benzene	E624	ug/kg	137					6.1	U
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856					6.1	U
74-83-9	Bromomethane	E624	ug/kg	732					6.1	U
74-87-3	Chloromethane	E624	ug/kg	11900					6.1	U
74-97-5	Bromochloromethane	E624	ug/kg	NL					6.1	U
75-00-3	Chloroethane	E624	ug/kg	1450000					6.1	U
75-01-4	Vinyl Chloride	E624	ug/kg	59.7					6.1	U
75-09-2	Methylene chloride	E624	ug/kg	10700					6.1	U
75-15-0	Carbon Disulfide	E624	ug/kg	0.851					1.4	J
75-25-2	Bromoform	E624	ug/kg	1310					6.1	U
75-27-4	Bromodichloromethane	E624	ug/kg	273					6.1	U
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310					6.1	U
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780					6.1	U
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700					6.1	U
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400					6.1	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000					6.1	U

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				sys_loc_code:	C92		C93		C94	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C92 0-6		C93 0-6		C94 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/22/2009		07/13/2009		07/27/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
78-87-5	1,2-Dichloropropane	E624	ug/kg	895					6.1	U
78-93-3	2-Butanone	E624	ug/kg	2780000					12	U
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570					6.1	U
79-01-6	Trichloroethene	E624	ug/kg	1600					6.1	U
79-20-9	Methyl Acetate	E624	ug/kg	7820000					6.1	U
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202					6.1	U
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858					6.1	U
95-47-6	o-Xylene	E624	ug/kg	NL					6.1	U
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989					6.1	U
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35					6.1	U
98-82-8	Isopropylbenzene	E624	ug/kg	86					6.1	U
100-01-6	4-Nitroaniline	E625	ug/kg	24300					420	U
100-02-7	4-Nitrophenol	E625	ug/kg	NL					420	U
100-52-7	Benzaldehyde	E625	ug/kg	782000					54	J
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230					220	U
105-60-2	Caprolactam	E625	ug/kg	3060000					220	U
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29					220	U
106-44-5	4-Methylphenol	E625	ug/kg	670					220	U
106-47-8	4-Chloroaniline	E625	ug/kg	2430					220	U
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570					220	U
108-95-2	Phenol	E625	ug/kg	420					26	J
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214					220	U
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300					220	U
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182					16	J
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL					220	U
118-74-1	Hexachlorobenzene	E625	ug/kg	20					220	U
120-12-7	Anthracene	E625	ug/kg	46.9					220	U
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117					220	U
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6					220	U
129-00-0	Pyrene	E625	ug/kg	153					220	U
131-11-3	Dimethylphthalate	E625	ug/kg	NL					220	U
132-64-9	Dibenzofuran	E625	ug/kg	7300					220	U
1912-24-9	Atrazine	E625	ug/kg	6.62					220	U

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				sys_loc_code:	C92		C93		C94	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C92 0-6		C93 0-6		C94 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/22/2009		07/13/2009		07/27/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170					220	U
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17					220	U
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148					220	U
206-44-0	Fluoranthene	E625	ug/kg	113					220	U
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240					220	U
208-96-8	Acenaphthylene	E625	ug/kg	5.87					220	U
218-01-9	Chrysene	E625	ug/kg	108					220	U
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8					220	U
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200					420	U
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611					420	U
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22					220	U
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8					220	U
58-90-2	Chlorophenols	E625	ug/kg	284					220	U
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000					220	U
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120					220	U
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4					220	U
67-72-1	Hexachloroethane	E625	ug/kg	804					220	U
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL					220	U
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139					220	U
78-59-1	Isophorone	E625	ug/kg	511000					220	U
83-32-9	Acenaphthene	E625	ug/kg	6.71					220	U
84-66-2	Diethylphthalate	E625	ug/kg	218					220	U
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160					220	U
85-01-8	Phenanthrene	E625	ug/kg	86.7					220	U
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800					220	U
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100					220	U
86-73-7	Fluorene	E625	ug/kg	19					220	U
86-74-8	Carbazole	E625	ug/kg	NL					220	U
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110					220	U
87-86-5	Pentachlorophenol	E625	ug/kg	2970					420	U
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650					220	U
88-74-4	2-Nitroaniline	E625	ug/kg	60600					420	U
88-75-5	2-Nitrophenol	E625	ug/kg	NL					220	U

				sys_loc_code:	C92		C93		C94	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C92 0-6		C93 0-6		C94 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/22/2009		07/13/2009		07/27/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
91-20-3	Naphthalene	E625	ug/kg	34.6					220	U
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2					220	U
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000					220	U
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080					220	U
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220					220	U
95-48-7	2-Methylphenol	E625	ug/kg	306000					220	U
95-57-8	2-Chlorophenol	E625	ug/kg	344					220	U
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830					220	U
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819					220	U
98-86-2	Acetophenone	E625	ug/kg	782000					32	J
98-95-3	Nitrobenzene	E625	ug/kg	4790					220	U
99-09-2	3-Nitroaniline	E625	ug/kg	NL					420	U

					sys_loc_code:	C95		C96		C97	
					loc_name:	Area-11		Area-11		Area-11	
					sys_sample_code:	C95 0-6		C96 0-6		C97 0-6	
					depth:	0-6 in		0-6 in		0-6 in	
					sample_date:	07/23/2009		07/23/2009		07/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED							
7429-90-5	Aluminum	E200.7	mg/kg	7740		1520	J	1240	J	1140	J
7440-38-2	Arsenic	E200.7	mg/kg	0.389							
7440-70-2	Calcium	E200.7	mg/kg	NL		701		465	J	566	J
7440-50-8	Copper	E200.7	mg/kg	18.7							
7439-89-6	Iron	E200.7	mg/kg	2000		14200	J	9680	J	6310	J
7439-92-1	Lead	E200.7	mg/kg	30.2							
7439-95-4	Magnesium	E200.7	mg/kg	NL		605	U	613	U	588	U
7439-96-5	Manganese	E200.7	mg/kg	183							
7440-09-7	Potassium	E200.7	mg/kg	NL		605	U	613	U	588	U
7440-23-5	Sodium	E200.7	mg/kg	NL		1440	J	1570	J	1490	J
7440-66-6	Zinc	E200.7	mg/kg	124							
7440-36-0	Antimony	E200.8	mg/kg	2		1.2	U	1.2	U	1.2	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389		5	J	7	J	3.2	J
7440-39-3	Barium	E200.8	mg/kg	130.1		6	U	6.1	U	5.9	U
7440-41-7	Beryllium	E200.8	mg/kg	15.6		0.3	U	0.31	U	0.29	U
7440-43-9	Cadmium	E200.8	mg/kg	0.68		0.3	U	0.31	U	0.29	U
7440-47-3	Chromium	E200.8	mg/kg	52.3		16.1	J	14.6	J	9	J
7440-48-4	Cobalt	E200.8	mg/kg	2.34		1.4		1.9		1.4	
7440-50-8	Copper	E200.8	mg/kg	18.7		11.4	J	15.3	J	13.2	J
7439-92-1	Lead	E200.8	mg/kg	30.2		11		15.1		11.9	
7439-96-5	Manganese	E200.8	mg/kg	183		32.2		38.6		31.2	
7440-02-0	Nickel	E200.8	mg/kg	15.9		2.9		4.2		2.4	
7782-49-2	Selenium	E200.8	mg/kg	2		0.6	U	0.61	U	0.59	U
7440-22-4	Silver	E200.8	mg/kg	0.73		0.3	U	0.31	U	0.29	U
7440-28-0	Thallium	E200.8	mg/kg	100000		0.6	U	0.61	U	0.59	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548		23.8	J	26.7	J	12.6	J
7440-66-6	Zinc	E200.8	mg/kg	124		43.4	J	63.1	J	40.8	J
7439-97-6	Mercury	E245.5	mg/kg	0.13		0.086		0.11		0.089	
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6							
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357							
309-00-2	Aldrin	CPEST	ug/kg	2							
319-84-6	Alpha-Bhc	CPEST	ug/kg	3							
319-85-7	Beta-Bhc	CPEST	ug/kg	3							

				sys_loc_code:	C95		C96		C97	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C95 0-6		C96 0-6		C97 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/23/2009		07/23/2009		07/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
319-86-8	Delta-Bhc	CPEST	ug/kg	3						
33213-65-9	Endosulfan II	CPEST	ug/kg	14						
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19						
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7						
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7						
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL						
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32						
60-57-1	Dieldrin	CPEST	ug/kg	0.72						
72-20-8	Endrin	CPEST	ug/kg	2.67						
72-43-5	Methoxychlor	CPEST	ug/kg	29.6						
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22						
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07						
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL						
76-44-8	Heptachlor	CPEST	ug/kg	68						
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1						
959-98-8	Endosulfan I	CPEST	ug/kg	2.9						
11096-82-5	Aroclor 1260	E608	ug/kg	21.6						
11097-69-1	Aroclor 1254	E608	ug/kg	23						
11100-14-4	Aroclor 1268	E608	ug/kg	21.6						
11104-28-2	Aroclor 1221	E608	ug/kg	21.6						
11141-16-5	Aroclor 1232	E608	ug/kg	21.6						
12672-29-6	Aroclor 1248	E608	ug/kg	21.6						
12674-11-2	Aroclor 1016	E608	ug/kg	21.6						
37324-23-5	Aroclor 1262	E608	ug/kg	21.6						
53469-21-9	Aroclor 1242	E608	ug/kg	21.6						
100-41-4	Ethylbenzene	E624	ug/kg	305						
100-42-5	Styrene	E624	ug/kg	7070						
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL						
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL						
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460						
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7						
107-06-2	1,2-Dichloroethane	E624	ug/kg	432						
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000						

				sys_loc_code:	C95		C96		C97	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C95 0-6		C96 0-6		C97 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/23/2009		07/23/2009		07/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
108-87-2	Methylcyclohexane	E624	ug/kg	NL						
108-88-3	Toluene	E624	ug/kg	1090						
108-90-7	Chlorobenzene	E624	ug/kg	162						
110-82-7	Cyclohexane	E624	ug/kg	117000						
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473						
123-91-1	1,4-Dioxane	E624	ug/kg	44100						
124-48-1	Dibromochloromethane	E624	ug/kg	680						
127-18-4	Tetrachloroethene	E624	ug/kg	190						
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200						
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300						
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300						
179601-23-1	m,p-Xylene	E624	ug/kg	NL						
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842						
56-23-5	Carbon tetrachloride	E624	ug/kg	248						
591-78-6	2-Hexanone	E624	ug/kg	20900						
67-64-1	Acetone	E624	ug/kg	6130000						
67-66-3	Chloroform	E624	ug/kg	295						
71-43-2	Benzene	E624	ug/kg	137						
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856						
74-83-9	Bromomethane	E624	ug/kg	732						
74-87-3	Chloromethane	E624	ug/kg	11900						
74-97-5	Bromochloromethane	E624	ug/kg	NL						
75-00-3	Chloroethane	E624	ug/kg	1450000						
75-01-4	Vinyl Chloride	E624	ug/kg	59.7						
75-09-2	Methylene chloride	E624	ug/kg	10700						
75-15-0	Carbon Disulfide	E624	ug/kg	0.851						
75-25-2	Bromoform	E624	ug/kg	1310						
75-27-4	Bromodichloromethane	E624	ug/kg	273						
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310						
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780						
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700						
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400						
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000						

				sys_loc_code:	C95		C96		C97	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C95 0-6		C96 0-6		C97 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/23/2009		07/23/2009		07/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
78-87-5	1,2-Dichloropropane	E624	ug/kg	895						
78-93-3	2-Butanone	E624	ug/kg	2780000						
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570						
79-01-6	Trichloroethene	E624	ug/kg	1600						
79-20-9	Methyl Acetate	E624	ug/kg	7820000						
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202						
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858						
95-47-6	o-Xylene	E624	ug/kg	NL						
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989						
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35						
98-82-8	Isopropylbenzene	E624	ug/kg	86						
100-01-6	4-Nitroaniline	E625	ug/kg	24300						
100-02-7	4-Nitrophenol	E625	ug/kg	NL						
100-52-7	Benzaldehyde	E625	ug/kg	782000						
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230						
105-60-2	Caprolactam	E625	ug/kg	3060000						
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29						
106-44-5	4-Methylphenol	E625	ug/kg	670						
106-47-8	4-Chloroaniline	E625	ug/kg	2430						
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570						
108-95-2	Phenol	E625	ug/kg	420						
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214						
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300						
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182						
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL						
118-74-1	Hexachlorobenzene	E625	ug/kg	20						
120-12-7	Anthracene	E625	ug/kg	46.9						
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117						
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6						
129-00-0	Pyrene	E625	ug/kg	153						
131-11-3	Dimethylphthalate	E625	ug/kg	NL						
132-64-9	Dibenzofuran	E625	ug/kg	7300						
1912-24-9	Atrazine	E625	ug/kg	6.62						

				sys_loc_code:	C95		C96		C97	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C95 0-6		C96 0-6		C97 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/23/2009		07/23/2009		07/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170						
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17						
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148						
206-44-0	Fluoranthene	E625	ug/kg	113						
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240						
208-96-8	Acenaphthylene	E625	ug/kg	5.87						
218-01-9	Chrysene	E625	ug/kg	108						
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8						
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200						
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611						
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22						
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8						
58-90-2	Chlorophenols	E625	ug/kg	284						
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000						
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120						
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4						
67-72-1	Hexachloroethane	E625	ug/kg	804						
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL						
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139						
78-59-1	Isophorone	E625	ug/kg	511000						
83-32-9	Acenaphthene	E625	ug/kg	6.71						
84-66-2	Diethylphthalate	E625	ug/kg	218						
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160						
85-01-8	Phenanthrene	E625	ug/kg	86.7						
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800						
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100						
86-73-7	Fluorene	E625	ug/kg	19						
86-74-8	Carbazole	E625	ug/kg	NL						
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110						
87-86-5	Pentachlorophenol	E625	ug/kg	2970						
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650						
88-74-4	2-Nitroaniline	E625	ug/kg	60600						
88-75-5	2-Nitrophenol	E625	ug/kg	NL						

				sys_loc_code:	C95		C96		C97	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C95 0-6		C96 0-6		C97 0-6	
				depth:	0-6 in		0-6 in		0-6 in	
				sample_date:	07/23/2009		07/23/2009		07/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
91-20-3	Naphthalene	E625	ug/kg	34.6						
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2						
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000						
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080						
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220						
95-48-7	2-Methylphenol	E625	ug/kg	306000						
95-57-8	2-Chlorophenol	E625	ug/kg	344						
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830						
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819						
98-86-2	Acetophenone	E625	ug/kg	782000						
98-95-3	Nitrobenzene	E625	ug/kg	4790						
99-09-2	3-Nitroaniline	E625	ug/kg	NL						

					sys_loc_code:	C98		C99		C100	
					loc_name:	Area-11		Area-11		Area-11	
					sys_sample_code:	C98 0-6		C99 0-6		C100 0-12	
					depth:	0-6 in		0-6 in		0-12 in	
					sample_date:	07/23/2009		07/10/2009		07/22/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED							
7429-90-5	Aluminum	E200.7	mg/kg	7740	1030	J	3050	J	1260	J
7440-38-2	Arsenic	E200.7	mg/kg	0.389						
7440-70-2	Calcium	E200.7	mg/kg	NL	689	J	2540	J	696	
7440-50-8	Copper	E200.7	mg/kg	18.7						
7439-89-6	Iron	E200.7	mg/kg	2000	4000	J	7990	J	9470	J
7439-92-1	Lead	E200.7	mg/kg	30.2						
7439-95-4	Magnesium	E200.7	mg/kg	NL	483	J	1230	J	614	UJ
7439-96-5	Manganese	E200.7	mg/kg	183						
7440-09-7	Potassium	E200.7	mg/kg	NL	254	J	689	UJ	265	J
7440-23-5	Sodium	E200.7	mg/kg	NL	1790	J	2030	J	1570	J
7440-66-6	Zinc	E200.7	mg/kg	124						
7440-36-0	Antimony	E200.8	mg/kg	2	1.3	UJ	1.4	U	1.2	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389	2		6	J	4.2	
7440-39-3	Barium	E200.8	mg/kg	130.1	6.4	UJ	7.1	J	6.1	UJ
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.15	J	0.25	J	0.18	J
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.32	U	0.34	U	0.31	U
7440-47-3	Chromium	E200.8	mg/kg	52.3	5.5		13.4		7.1	
7440-48-4	Cobalt	E200.8	mg/kg	2.34	1		1.9		1.1	
7440-50-8	Copper	E200.8	mg/kg	18.7	15.7		32.2		3.6	J
7439-92-1	Lead	E200.8	mg/kg	30.2	11.3		21.7		5.3	
7439-96-5	Manganese	E200.8	mg/kg	183	18.4		47.1		48.7	
7440-02-0	Nickel	E200.8	mg/kg	15.9	2		5.8		1.8	J
7782-49-2	Selenium	E200.8	mg/kg	2	0.64	UJ	0.44	J	0.61	U
7440-22-4	Silver	E200.8	mg/kg	0.73	0.32	U	0.32	J	0.31	U
7440-28-0	Thallium	E200.8	mg/kg	100000	0.64	U	0.69	U	0.61	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	6.9	J	12.4		15.7	J
7440-66-6	Zinc	E200.8	mg/kg	124	30.1		50.2		16.5	J
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.11		0.19		0.037	U
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6						
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357						
309-00-2	Aldrin	CPEST	ug/kg	2						
319-84-6	Alpha-Bhc	CPEST	ug/kg	3						
319-85-7	Beta-Bhc	CPEST	ug/kg	3						

				sys_loc_code:	C98		C99		C100	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C98 0-6		C99 0-6		C100 0-12	
				depth:	0-6 in		0-6 in		0-12 in	
				sample_date:	07/23/2009		07/10/2009		07/22/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
319-86-8	Delta-Bhc	CPEST	ug/kg	3						
33213-65-9	Endosulfan II	CPEST	ug/kg	14						
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19						
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7						
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7						
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL						
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32						
60-57-1	Dieldrin	CPEST	ug/kg	0.72						
72-20-8	Endrin	CPEST	ug/kg	2.67						
72-43-5	Methoxychlor	CPEST	ug/kg	29.6						
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22						
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07						
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL						
76-44-8	Heptachlor	CPEST	ug/kg	68						
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1						
959-98-8	Endosulfan I	CPEST	ug/kg	2.9						
11096-82-5	Aroclor 1260	E608	ug/kg	21.6						
11097-69-1	Aroclor 1254	E608	ug/kg	23						
11100-14-4	Aroclor 1268	E608	ug/kg	21.6						
11104-28-2	Aroclor 1221	E608	ug/kg	21.6						
11141-16-5	Aroclor 1232	E608	ug/kg	21.6						
12672-29-6	Aroclor 1248	E608	ug/kg	21.6						
12674-11-2	Aroclor 1016	E608	ug/kg	21.6						
37324-23-5	Aroclor 1262	E608	ug/kg	21.6						
53469-21-9	Aroclor 1242	E608	ug/kg	21.6						
100-41-4	Ethylbenzene	E624	ug/kg	305						
100-42-5	Styrene	E624	ug/kg	7070						
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL						
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL						
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460						
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7						
107-06-2	1,2-Dichloroethane	E624	ug/kg	432						
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000						

				sys_loc_code:	C98		C99		C100	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C98 0-6		C99 0-6		C100 0-12	
				depth:	0-6 in		0-6 in		0-12 in	
				sample_date:	07/23/2009		07/10/2009		07/22/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
108-87-2	Methylcyclohexane	E624	ug/kg	NL						
108-88-3	Toluene	E624	ug/kg	1090						
108-90-7	Chlorobenzene	E624	ug/kg	162						
110-82-7	Cyclohexane	E624	ug/kg	117000						
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473						
123-91-1	1,4-Dioxane	E624	ug/kg	44100						
124-48-1	Dibromochloromethane	E624	ug/kg	680						
127-18-4	Tetrachloroethene	E624	ug/kg	190						
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200						
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300						
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300						
179601-23-1	m,p-Xylene	E624	ug/kg	NL						
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842						
56-23-5	Carbon tetrachloride	E624	ug/kg	248						
591-78-6	2-Hexanone	E624	ug/kg	20900						
67-64-1	Acetone	E624	ug/kg	6130000						
67-66-3	Chloroform	E624	ug/kg	295						
71-43-2	Benzene	E624	ug/kg	137						
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856						
74-83-9	Bromomethane	E624	ug/kg	732						
74-87-3	Chloromethane	E624	ug/kg	11900						
74-97-5	Bromochloromethane	E624	ug/kg	NL						
75-00-3	Chloroethane	E624	ug/kg	1450000						
75-01-4	Vinyl Chloride	E624	ug/kg	59.7						
75-09-2	Methylene chloride	E624	ug/kg	10700						
75-15-0	Carbon Disulfide	E624	ug/kg	0.851						
75-25-2	Bromoform	E624	ug/kg	1310						
75-27-4	Bromodichloromethane	E624	ug/kg	273						
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310						
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780						
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700						
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400						
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000						

				sys_loc_code:	C98		C99		C100	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C98 0-6		C99 0-6		C100 0-12	
				depth:	0-6 in		0-6 in		0-12 in	
				sample_date:	07/23/2009		07/10/2009		07/22/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
78-87-5	1,2-Dichloropropane	E624	ug/kg	895						
78-93-3	2-Butanone	E624	ug/kg	2780000						
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570						
79-01-6	Trichloroethene	E624	ug/kg	1600						
79-20-9	Methyl Acetate	E624	ug/kg	7820000						
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202						
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858						
95-47-6	o-Xylene	E624	ug/kg	NL						
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989						
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35						
98-82-8	Isopropylbenzene	E624	ug/kg	86						
100-01-6	4-Nitroaniline	E625	ug/kg	24300						
100-02-7	4-Nitrophenol	E625	ug/kg	NL						
100-52-7	Benzaldehyde	E625	ug/kg	782000						
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230						
105-60-2	Caprolactam	E625	ug/kg	3060000						
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29						
106-44-5	4-Methylphenol	E625	ug/kg	670						
106-47-8	4-Chloroaniline	E625	ug/kg	2430						
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570						
108-95-2	Phenol	E625	ug/kg	420						
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214						
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300						
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182						
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL						
118-74-1	Hexachlorobenzene	E625	ug/kg	20						
120-12-7	Anthracene	E625	ug/kg	46.9						
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117						
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6						
129-00-0	Pyrene	E625	ug/kg	153						
131-11-3	Dimethylphthalate	E625	ug/kg	NL						
132-64-9	Dibenzofuran	E625	ug/kg	7300						
1912-24-9	Atrazine	E625	ug/kg	6.62						

				sys_loc_code:	C98		C99		C100	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C98 0-6		C99 0-6		C100 0-12	
				depth:	0-6 in		0-6 in		0-12 in	
				sample_date:	07/23/2009		07/10/2009		07/22/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170						
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17						
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148						
206-44-0	Fluoranthene	E625	ug/kg	113						
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240						
208-96-8	Acenaphthylene	E625	ug/kg	5.87						
218-01-9	Chrysene	E625	ug/kg	108						
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8						
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200						
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611						
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22						
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8						
58-90-2	Chlorophenols	E625	ug/kg	284						
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000						
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120						
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4						
67-72-1	Hexachloroethane	E625	ug/kg	804						
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL						
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139						
78-59-1	Isophorone	E625	ug/kg	511000						
83-32-9	Acenaphthene	E625	ug/kg	6.71						
84-66-2	Diethylphthalate	E625	ug/kg	218						
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160						
85-01-8	Phenanthrene	E625	ug/kg	86.7						
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800						
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100						
86-73-7	Fluorene	E625	ug/kg	19						
86-74-8	Carbazole	E625	ug/kg	NL						
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110						
87-86-5	Pentachlorophenol	E625	ug/kg	2970						
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650						
88-74-4	2-Nitroaniline	E625	ug/kg	60600						
88-75-5	2-Nitrophenol	E625	ug/kg	NL						

				sys_loc_code:	C98		C99		C100	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C98 0-6		C99 0-6		C100 0-12	
				depth:	0-6 in		0-6 in		0-12 in	
				sample_date:	07/23/2009		07/10/2009		07/22/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
91-20-3	Naphthalene	E625	ug/kg	34.6						
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2						
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000						
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080						
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220						
95-48-7	2-Methylphenol	E625	ug/kg	306000						
95-57-8	2-Chlorophenol	E625	ug/kg	344						
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830						
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819						
98-86-2	Acetophenone	E625	ug/kg	782000						
98-95-3	Nitrobenzene	E625	ug/kg	4790						
99-09-2	3-Nitroaniline	E625	ug/kg	NL						

				sys_loc_code:	C101			C102		C103	
				loc_name:	Area-11			Area-11		Area-11	
				sys_sample_code:	C101 0-12			C102 0-12		C103 0-12	
				depth:	0-12 in			0-12 in		0-12 in	
				sample_date:	07/22/2009			07/22/2009		07/22/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED							
7429-90-5	Aluminum	E200.7	mg/kg	7740	1790	J		2190	J	2550	J
7440-38-2	Arsenic	E200.7	mg/kg	0.389							
7440-70-2	Calcium	E200.7	mg/kg	NL	298	J		1520		550	J
7440-50-8	Copper	E200.7	mg/kg	18.7							
7439-89-6	Iron	E200.7	mg/kg	2000	9520	J		10500	J	12700	J
7439-92-1	Lead	E200.7	mg/kg	30.2							
7439-95-4	Magnesium	E200.7	mg/kg	NL	608	UJ		777	J	856	J
7439-96-5	Manganese	E200.7	mg/kg	183							
7440-09-7	Potassium	E200.7	mg/kg	NL	342	J		446	J	471	J
7440-23-5	Sodium	E200.7	mg/kg	NL	1470	J		1500	J	1450	J
7440-66-6	Zinc	E200.7	mg/kg	124							
7440-36-0	Antimony	E200.8	mg/kg	2	1.2	U		1.2	U	1.2	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389	3.5			4.6		6.5	
7440-39-3	Barium	E200.8	mg/kg	130.1	6.1	UJ		6.1	UJ	6	UJ
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.2	J		0.22	J	0.26	J
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.3	U		0.3	U	0.3	U
7440-47-3	Chromium	E200.8	mg/kg	52.3	7.7			10.5		15.5	
7440-48-4	Cobalt	E200.8	mg/kg	2.34	0.94			1.7		2	
7440-50-8	Copper	E200.8	mg/kg	18.7	3.4	J		7.2	J	8.2	J
7439-92-1	Lead	E200.8	mg/kg	30.2	4.1			8		9.1	
7439-96-5	Manganese	E200.8	mg/kg	183	28			48		55.1	
7440-02-0	Nickel	E200.8	mg/kg	15.9	2.2	J		3.6	J	5.5	J
7782-49-2	Selenium	E200.8	mg/kg	2	0.61	U		0.61	U	0.44	J
7440-22-4	Silver	E200.8	mg/kg	0.73	0.3	U		0.3	U	0.3	U
7440-28-0	Thallium	E200.8	mg/kg	100000	0.61	U		0.61	U	0.6	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	17	J		19.7	J	23.6	J
7440-66-6	Zinc	E200.8	mg/kg	124	17.2	J		29.6	J	31.9	J
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.036	U		0.052		0.048	
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6							
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357							
309-00-2	Aldrin	CPEST	ug/kg	2							
319-84-6	Alpha-Bhc	CPEST	ug/kg	3							
319-85-7	Beta-Bhc	CPEST	ug/kg	3							

				sys_loc_code:	C101		C102		C103	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C101 0-12		C102 0-12		C103 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/22/2009		07/22/2009		07/22/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
319-86-8	Delta-Bhc	CPEST	ug/kg	3						
33213-65-9	Endosulfan II	CPEST	ug/kg	14						
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19						
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7						
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7						
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL						
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32						
60-57-1	Dieldrin	CPEST	ug/kg	0.72						
72-20-8	Endrin	CPEST	ug/kg	2.67						
72-43-5	Methoxychlor	CPEST	ug/kg	29.6						
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22						
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07						
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL						
76-44-8	Heptachlor	CPEST	ug/kg	68						
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1						
959-98-8	Endosulfan I	CPEST	ug/kg	2.9						
11096-82-5	Aroclor 1260	E608	ug/kg	21.6						
11097-69-1	Aroclor 1254	E608	ug/kg	23						
11100-14-4	Aroclor 1268	E608	ug/kg	21.6						
11104-28-2	Aroclor 1221	E608	ug/kg	21.6						
11141-16-5	Aroclor 1232	E608	ug/kg	21.6						
12672-29-6	Aroclor 1248	E608	ug/kg	21.6						
12674-11-2	Aroclor 1016	E608	ug/kg	21.6						
37324-23-5	Aroclor 1262	E608	ug/kg	21.6						
53469-21-9	Aroclor 1242	E608	ug/kg	21.6						
100-41-4	Ethylbenzene	E624	ug/kg	305						
100-42-5	Styrene	E624	ug/kg	7070						
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL						
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL						
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460						
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7						
107-06-2	1,2-Dichloroethane	E624	ug/kg	432						
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000						

				sys_loc_code:	C101		C102		C103	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C101 0-12		C102 0-12		C103 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/22/2009		07/22/2009		07/22/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
108-87-2	Methylcyclohexane	E624	ug/kg	NL						
108-88-3	Toluene	E624	ug/kg	1090						
108-90-7	Chlorobenzene	E624	ug/kg	162						
110-82-7	Cyclohexane	E624	ug/kg	117000						
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473						
123-91-1	1,4-Dioxane	E624	ug/kg	44100						
124-48-1	Dibromochloromethane	E624	ug/kg	680						
127-18-4	Tetrachloroethene	E624	ug/kg	190						
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200						
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300						
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300						
179601-23-1	m,p-Xylene	E624	ug/kg	NL						
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842						
56-23-5	Carbon tetrachloride	E624	ug/kg	248						
591-78-6	2-Hexanone	E624	ug/kg	20900						
67-64-1	Acetone	E624	ug/kg	6130000						
67-66-3	Chloroform	E624	ug/kg	295						
71-43-2	Benzene	E624	ug/kg	137						
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856						
74-83-9	Bromomethane	E624	ug/kg	732						
74-87-3	Chloromethane	E624	ug/kg	11900						
74-97-5	Bromochloromethane	E624	ug/kg	NL						
75-00-3	Chloroethane	E624	ug/kg	1450000						
75-01-4	Vinyl Chloride	E624	ug/kg	59.7						
75-09-2	Methylene chloride	E624	ug/kg	10700						
75-15-0	Carbon Disulfide	E624	ug/kg	0.851						
75-25-2	Bromoform	E624	ug/kg	1310						
75-27-4	Bromodichloromethane	E624	ug/kg	273						
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310						
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780						
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700						
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400						
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000						

				sys_loc_code:	C101		C102		C103	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C101 0-12		C102 0-12		C103 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/22/2009		07/22/2009		07/22/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
78-87-5	1,2-Dichloropropane	E624	ug/kg	895						
78-93-3	2-Butanone	E624	ug/kg	2780000						
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570						
79-01-6	Trichloroethene	E624	ug/kg	1600						
79-20-9	Methyl Acetate	E624	ug/kg	7820000						
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202						
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858						
95-47-6	o-Xylene	E624	ug/kg	NL						
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989						
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35						
98-82-8	Isopropylbenzene	E624	ug/kg	86						
100-01-6	4-Nitroaniline	E625	ug/kg	24300						
100-02-7	4-Nitrophenol	E625	ug/kg	NL						
100-52-7	Benzaldehyde	E625	ug/kg	782000						
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230						
105-60-2	Caprolactam	E625	ug/kg	3060000						
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29						
106-44-5	4-Methylphenol	E625	ug/kg	670						
106-47-8	4-Chloroaniline	E625	ug/kg	2430						
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570						
108-95-2	Phenol	E625	ug/kg	420						
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214						
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300						
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182						
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL						
118-74-1	Hexachlorobenzene	E625	ug/kg	20						
120-12-7	Anthracene	E625	ug/kg	46.9						
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117						
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6						
129-00-0	Pyrene	E625	ug/kg	153						
131-11-3	Dimethylphthalate	E625	ug/kg	NL						
132-64-9	Dibenzofuran	E625	ug/kg	7300						
1912-24-9	Atrazine	E625	ug/kg	6.62						

				sys_loc_code:	C101		C102		C103	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C101 0-12		C102 0-12		C103 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/22/2009		07/22/2009		07/22/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170						
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17						
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148						
206-44-0	Fluoranthene	E625	ug/kg	113						
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240						
208-96-8	Acenaphthylene	E625	ug/kg	5.87						
218-01-9	Chrysene	E625	ug/kg	108						
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8						
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200						
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611						
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22						
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8						
58-90-2	Chlorophenols	E625	ug/kg	284						
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000						
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120						
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4						
67-72-1	Hexachloroethane	E625	ug/kg	804						
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL						
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139						
78-59-1	Isophorone	E625	ug/kg	511000						
83-32-9	Acenaphthene	E625	ug/kg	6.71						
84-66-2	Diethylphthalate	E625	ug/kg	218						
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160						
85-01-8	Phenanthrene	E625	ug/kg	86.7						
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800						
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100						
86-73-7	Fluorene	E625	ug/kg	19						
86-74-8	Carbazole	E625	ug/kg	NL						
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110						
87-86-5	Pentachlorophenol	E625	ug/kg	2970						
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650						
88-74-4	2-Nitroaniline	E625	ug/kg	60600						
88-75-5	2-Nitrophenol	E625	ug/kg	NL						

				sys_loc_code:	C101		C102		C103	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C101 0-12		C102 0-12		C103 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/22/2009		07/22/2009		07/22/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
91-20-3	Naphthalene	E625	ug/kg	34.6						
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2						
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000						
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080						
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220						
95-48-7	2-Methylphenol	E625	ug/kg	306000						
95-57-8	2-Chlorophenol	E625	ug/kg	344						
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830						
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819						
98-86-2	Acetophenone	E625	ug/kg	782000						
98-95-3	Nitrobenzene	E625	ug/kg	4790						
99-09-2	3-Nitroaniline	E625	ug/kg	NL						

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					sys_loc_code:	C104		C105		C106	
					loc_name:	Area-11		Area-11		Area-07	
					sys_sample_code:	C104 0-12		C105 0-12		C106 0-12	
					depth:	0-12 in		0-12 in		0-12 in	
					sample_date:	07/27/2009		07/22/2009		07/08/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED							
7429-90-5	Aluminum	E200.7	mg/kg	7740			1850	J	9650	J
7440-38-2	Arsenic	E200.7	mg/kg	0.389						
7440-70-2	Calcium	E200.7	mg/kg	NL			315	J	4010	J
7440-50-8	Copper	E200.7	mg/kg	18.7						
7439-89-6	Iron	E200.7	mg/kg	2000			10600	J	27700	J
7439-92-1	Lead	E200.7	mg/kg	30.2						
7439-95-4	Magnesium	E200.7	mg/kg	NL			617	UJ	4870	J
7439-96-5	Manganese	E200.7	mg/kg	183						
7440-09-7	Potassium	E200.7	mg/kg	NL			268	J	2050	J
7440-23-5	Sodium	E200.7	mg/kg	NL			1470	J	8340	J
7440-66-6	Zinc	E200.7	mg/kg	124						
7440-36-0	Antimony	E200.8	mg/kg	2	1.1	U	1.2	U	3.5	J
7440-38-2	Arsenic	E200.8	mg/kg	0.389	6.7		8.2		44.3	J
7440-39-3	Barium	E200.8	mg/kg	130.1	2.6	J	6.2	UJ	62.2	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.27	J	0.27	J	0.86	J
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.2	J	0.31	U	1.9	J
7440-47-3	Chromium	E200.8	mg/kg	52.3	11.5	J	15.2		78.9	J
7440-48-4	Cobalt	E200.8	mg/kg	2.34	1.9	J	1.9		6.3	J
7440-50-8	Copper	E200.8	mg/kg	18.7	13.7	J	21.3	J	327	J
7439-92-1	Lead	E200.8	mg/kg	30.2	13.8	J	16.1		215	J
7439-96-5	Manganese	E200.8	mg/kg	183	32.7	J	26.6		198	J
7440-02-0	Nickel	E200.8	mg/kg	15.9	5.3		6.6	J	23.7	J
7782-49-2	Selenium	E200.8	mg/kg	2	0.53	J	0.71		2.7	J
7440-22-4	Silver	E200.8	mg/kg	0.73	0.17	J	0.31	U	3	J
7440-28-0	Thallium	E200.8	mg/kg	100000	0.57	U	0.62	U	1.1	UJ
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	22.7	J	23.9	J	42	J
7440-66-6	Zinc	E200.8	mg/kg	124	57.1		72	J	236	J
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.045		0.12		2.5	J
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6						
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357						
309-00-2	Aldrin	CPEST	ug/kg	2						
319-84-6	Alpha-Bhc	CPEST	ug/kg	3						
319-85-7	Beta-Bhc	CPEST	ug/kg	3						

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				sys_loc_code:	C104		C105		C106	
				loc_name:	Area-11		Area-11		Area-07	
				sys_sample_code:	C104 0-12		C105 0-12		C106 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/27/2009		07/22/2009		07/08/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
319-86-8	Delta-Bhc	CPEST	ug/kg	3						
33213-65-9	Endosulfan II	CPEST	ug/kg	14						
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19						
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7						
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7						
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL						
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32						
60-57-1	Dieldrin	CPEST	ug/kg	0.72						
72-20-8	Endrin	CPEST	ug/kg	2.67						
72-43-5	Methoxychlor	CPEST	ug/kg	29.6						
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22						
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07						
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL						
76-44-8	Heptachlor	CPEST	ug/kg	68						
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1						
959-98-8	Endosulfan I	CPEST	ug/kg	2.9						
11096-82-5	Aroclor 1260	E608	ug/kg	21.6						
11097-69-1	Aroclor 1254	E608	ug/kg	23						
11100-14-4	Aroclor 1268	E608	ug/kg	21.6						
11104-28-2	Aroclor 1221	E608	ug/kg	21.6						
11141-16-5	Aroclor 1232	E608	ug/kg	21.6						
12672-29-6	Aroclor 1248	E608	ug/kg	21.6						
12674-11-2	Aroclor 1016	E608	ug/kg	21.6						
37324-23-5	Aroclor 1262	E608	ug/kg	21.6						
53469-21-9	Aroclor 1242	E608	ug/kg	21.6						
100-41-4	Ethylbenzene	E624	ug/kg	305						
100-42-5	Styrene	E624	ug/kg	7070						
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL						
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL						
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460						
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7						
107-06-2	1,2-Dichloroethane	E624	ug/kg	432						
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000						

				sys_loc_code:	C104		C105		C106	
				loc_name:	Area-11		Area-11		Area-07	
				sys_sample_code:	C104 0-12		C105 0-12		C106 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/27/2009		07/22/2009		07/08/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
108-87-2	Methylcyclohexane	E624	ug/kg	NL						
108-88-3	Toluene	E624	ug/kg	1090						
108-90-7	Chlorobenzene	E624	ug/kg	162						
110-82-7	Cyclohexane	E624	ug/kg	117000						
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473						
123-91-1	1,4-Dioxane	E624	ug/kg	44100						
124-48-1	Dibromochloromethane	E624	ug/kg	680						
127-18-4	Tetrachloroethene	E624	ug/kg	190						
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200						
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300						
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300						
179601-23-1	m,p-Xylene	E624	ug/kg	NL						
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842						
56-23-5	Carbon tetrachloride	E624	ug/kg	248						
591-78-6	2-Hexanone	E624	ug/kg	20900						
67-64-1	Acetone	E624	ug/kg	6130000						
67-66-3	Chloroform	E624	ug/kg	295						
71-43-2	Benzene	E624	ug/kg	137						
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856						
74-83-9	Bromomethane	E624	ug/kg	732						
74-87-3	Chloromethane	E624	ug/kg	11900						
74-97-5	Bromochloromethane	E624	ug/kg	NL						
75-00-3	Chloroethane	E624	ug/kg	1450000						
75-01-4	Vinyl Chloride	E624	ug/kg	59.7						
75-09-2	Methylene chloride	E624	ug/kg	10700						
75-15-0	Carbon Disulfide	E624	ug/kg	0.851						
75-25-2	Bromoform	E624	ug/kg	1310						
75-27-4	Bromodichloromethane	E624	ug/kg	273						
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310						
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780						
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700						
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400						
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000						

				sys_loc_code:	C104		C105		C106	
				loc_name:	Area-11		Area-11		Area-07	
				sys_sample_code:	C104 0-12		C105 0-12		C106 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/27/2009		07/22/2009		07/08/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
78-87-5	1,2-Dichloropropane	E624	ug/kg	895						
78-93-3	2-Butanone	E624	ug/kg	2780000						
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570						
79-01-6	Trichloroethene	E624	ug/kg	1600						
79-20-9	Methyl Acetate	E624	ug/kg	7820000						
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202						
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858						
95-47-6	o-Xylene	E624	ug/kg	NL						
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989						
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35						
98-82-8	Isopropylbenzene	E624	ug/kg	86						
100-01-6	4-Nitroaniline	E625	ug/kg	24300						
100-02-7	4-Nitrophenol	E625	ug/kg	NL						
100-52-7	Benzaldehyde	E625	ug/kg	782000						
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230						
105-60-2	Caprolactam	E625	ug/kg	3060000						
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29						
106-44-5	4-Methylphenol	E625	ug/kg	670						
106-47-8	4-Chloroaniline	E625	ug/kg	2430						
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570						
108-95-2	Phenol	E625	ug/kg	420						
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214						
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300						
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182						
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL						
118-74-1	Hexachlorobenzene	E625	ug/kg	20						
120-12-7	Anthracene	E625	ug/kg	46.9						
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117						
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6						
129-00-0	Pyrene	E625	ug/kg	153						
131-11-3	Dimethylphthalate	E625	ug/kg	NL						
132-64-9	Dibenzofuran	E625	ug/kg	7300						
1912-24-9	Atrazine	E625	ug/kg	6.62						

				sys_loc_code:	C104		C105		C106	
				loc_name:	Area-11		Area-11		Area-07	
				sys_sample_code:	C104 0-12		C105 0-12		C106 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/27/2009		07/22/2009		07/08/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170						
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17						
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148						
206-44-0	Fluoranthene	E625	ug/kg	113						
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240						
208-96-8	Acenaphthylene	E625	ug/kg	5.87						
218-01-9	Chrysene	E625	ug/kg	108						
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8						
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200						
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611						
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22						
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8						
58-90-2	Chlorophenols	E625	ug/kg	284						
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000						
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120						
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4						
67-72-1	Hexachloroethane	E625	ug/kg	804						
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL						
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139						
78-59-1	Isophorone	E625	ug/kg	511000						
83-32-9	Acenaphthene	E625	ug/kg	6.71						
84-66-2	Diethylphthalate	E625	ug/kg	218						
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160						
85-01-8	Phenanthrene	E625	ug/kg	86.7						
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800						
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100						
86-73-7	Fluorene	E625	ug/kg	19						
86-74-8	Carbazole	E625	ug/kg	NL						
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110						
87-86-5	Pentachlorophenol	E625	ug/kg	2970						
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650						
88-74-4	2-Nitroaniline	E625	ug/kg	60600						
88-75-5	2-Nitrophenol	E625	ug/kg	NL						

				sys_loc_code:	C104		C105		C106	
				loc_name:	Area-11		Area-11		Area-07	
				sys_sample_code:	C104 0-12		C105 0-12		C106 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/27/2009		07/22/2009		07/08/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
91-20-3	Naphthalene	E625	ug/kg	34.6						
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2						
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000						
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080						
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220						
95-48-7	2-Methylphenol	E625	ug/kg	306000						
95-57-8	2-Chlorophenol	E625	ug/kg	344						
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830						
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819						
98-86-2	Acetophenone	E625	ug/kg	782000						
98-95-3	Nitrobenzene	E625	ug/kg	4790						
99-09-2	3-Nitroaniline	E625	ug/kg	NL						

				sys_loc_code:	C107			C108		C109	
				loc_name:	Area-11			Area-11		Area-11	
				sys_sample_code:	C107 0-12			C108 0-12		C109 0-12	
				depth:	0-12 in			0-12 in		0-12 in	
				sample_date:	07/22/2009			07/22/2009		07/22/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED							
7429-90-5	Aluminum	E200.7	mg/kg	7740	4880			2400		2050	
7440-38-2	Arsenic	E200.7	mg/kg	0.389							
7440-70-2	Calcium	E200.7	mg/kg	NL	1010			326	J	727	
7440-50-8	Copper	E200.7	mg/kg	18.7							
7439-89-6	Iron	E200.7	mg/kg	2000	13500			10800		11100	
7439-92-1	Lead	E200.7	mg/kg	30.2							
7439-95-4	Magnesium	E200.7	mg/kg	NL	2180			892		722	
7439-96-5	Manganese	E200.7	mg/kg	183							
7440-09-7	Potassium	E200.7	mg/kg	NL	1160			533	J	438	J
7440-23-5	Sodium	E200.7	mg/kg	NL	2600			1620		1520	
7440-66-6	Zinc	E200.7	mg/kg	124							
7440-36-0	Antimony	E200.8	mg/kg	2	1.3	U		1.2	U	1.2	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389	3.9			2.8		3.8	
7440-39-3	Barium	E200.8	mg/kg	130.1	7.7	J		6.1	UJ	6.1	UJ
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.28	J		0.21	J	0.19	J
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.33	U		0.31	U	0.3	U
7440-47-3	Chromium	E200.8	mg/kg	52.3	9.7			7.4		6.9	
7440-48-4	Cobalt	E200.8	mg/kg	2.34	2.4			1.3		1.3	
7440-50-8	Copper	E200.8	mg/kg	18.7	5.7			2.7		4.5	
7439-92-1	Lead	E200.8	mg/kg	30.2	7.7	J		3.8	J	6	J
7439-96-5	Manganese	E200.8	mg/kg	183	90.4	J		38.5	J	34	J
7440-02-0	Nickel	E200.8	mg/kg	15.9	4.9			2.6		3.3	
7782-49-2	Selenium	E200.8	mg/kg	2	0.66	U		0.61	U	0.34	J
7440-22-4	Silver	E200.8	mg/kg	0.73	0.33	U		0.31	U	0.3	U
7440-28-0	Thallium	E200.8	mg/kg	100000	0.66	U		0.61	U	0.61	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	16.3	J		15.7	J	14.5	J
7440-66-6	Zinc	E200.8	mg/kg	124	25.6			14.4		18.5	
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.044			0.037	U	0.036	U
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6							
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357							
309-00-2	Aldrin	CPEST	ug/kg	2							
319-84-6	Alpha-Bhc	CPEST	ug/kg	3							
319-85-7	Beta-Bhc	CPEST	ug/kg	3							

				sys_loc_code:	C107		C108		C109	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C107 0-12		C108 0-12		C109 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/22/2009		07/22/2009		07/22/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
319-86-8	Delta-Bhc	CPEST	ug/kg	3						
33213-65-9	Endosulfan II	CPEST	ug/kg	14						
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19						
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7						
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7						
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL						
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32						
60-57-1	Dieldrin	CPEST	ug/kg	0.72						
72-20-8	Endrin	CPEST	ug/kg	2.67						
72-43-5	Methoxychlor	CPEST	ug/kg	29.6						
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22						
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07						
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL						
76-44-8	Heptachlor	CPEST	ug/kg	68						
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1						
959-98-8	Endosulfan I	CPEST	ug/kg	2.9						
11096-82-5	Aroclor 1260	E608	ug/kg	21.6						
11097-69-1	Aroclor 1254	E608	ug/kg	23						
11100-14-4	Aroclor 1268	E608	ug/kg	21.6						
11104-28-2	Aroclor 1221	E608	ug/kg	21.6						
11141-16-5	Aroclor 1232	E608	ug/kg	21.6						
12672-29-6	Aroclor 1248	E608	ug/kg	21.6						
12674-11-2	Aroclor 1016	E608	ug/kg	21.6						
37324-23-5	Aroclor 1262	E608	ug/kg	21.6						
53469-21-9	Aroclor 1242	E608	ug/kg	21.6						
100-41-4	Ethylbenzene	E624	ug/kg	305						
100-42-5	Styrene	E624	ug/kg	7070						
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL						
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL						
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460						
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7						
107-06-2	1,2-Dichloroethane	E624	ug/kg	432						
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000						

				sys_loc_code:	C107		C108		C109	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C107 0-12		C108 0-12		C109 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/22/2009		07/22/2009		07/22/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
108-87-2	Methylcyclohexane	E624	ug/kg	NL						
108-88-3	Toluene	E624	ug/kg	1090						
108-90-7	Chlorobenzene	E624	ug/kg	162						
110-82-7	Cyclohexane	E624	ug/kg	117000						
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473						
123-91-1	1,4-Dioxane	E624	ug/kg	44100						
124-48-1	Dibromochloromethane	E624	ug/kg	680						
127-18-4	Tetrachloroethene	E624	ug/kg	190						
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200						
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300						
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300						
179601-23-1	m,p-Xylene	E624	ug/kg	NL						
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842						
56-23-5	Carbon tetrachloride	E624	ug/kg	248						
591-78-6	2-Hexanone	E624	ug/kg	20900						
67-64-1	Acetone	E624	ug/kg	6130000						
67-66-3	Chloroform	E624	ug/kg	295						
71-43-2	Benzene	E624	ug/kg	137						
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856						
74-83-9	Bromomethane	E624	ug/kg	732						
74-87-3	Chloromethane	E624	ug/kg	11900						
74-97-5	Bromochloromethane	E624	ug/kg	NL						
75-00-3	Chloroethane	E624	ug/kg	1450000						
75-01-4	Vinyl Chloride	E624	ug/kg	59.7						
75-09-2	Methylene chloride	E624	ug/kg	10700						
75-15-0	Carbon Disulfide	E624	ug/kg	0.851						
75-25-2	Bromoform	E624	ug/kg	1310						
75-27-4	Bromodichloromethane	E624	ug/kg	273						
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310						
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780						
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700						
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400						
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000						

				sys_loc_code:	C107		C108		C109	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C107 0-12		C108 0-12		C109 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/22/2009		07/22/2009		07/22/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
78-87-5	1,2-Dichloropropane	E624	ug/kg	895						
78-93-3	2-Butanone	E624	ug/kg	2780000						
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570						
79-01-6	Trichloroethene	E624	ug/kg	1600						
79-20-9	Methyl Acetate	E624	ug/kg	7820000						
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202						
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858						
95-47-6	o-Xylene	E624	ug/kg	NL						
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989						
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35						
98-82-8	Isopropylbenzene	E624	ug/kg	86						
100-01-6	4-Nitroaniline	E625	ug/kg	24300						
100-02-7	4-Nitrophenol	E625	ug/kg	NL						
100-52-7	Benzaldehyde	E625	ug/kg	782000						
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230						
105-60-2	Caprolactam	E625	ug/kg	3060000						
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29						
106-44-5	4-Methylphenol	E625	ug/kg	670						
106-47-8	4-Chloroaniline	E625	ug/kg	2430						
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570						
108-95-2	Phenol	E625	ug/kg	420						
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214						
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300						
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182						
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL						
118-74-1	Hexachlorobenzene	E625	ug/kg	20						
120-12-7	Anthracene	E625	ug/kg	46.9						
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117						
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6						
129-00-0	Pyrene	E625	ug/kg	153						
131-11-3	Dimethylphthalate	E625	ug/kg	NL						
132-64-9	Dibenzofuran	E625	ug/kg	7300						
1912-24-9	Atrazine	E625	ug/kg	6.62						

				sys_loc_code:	C107		C108		C109	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C107 0-12		C108 0-12		C109 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/22/2009		07/22/2009		07/22/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170						
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17						
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148						
206-44-0	Fluoranthene	E625	ug/kg	113						
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240						
208-96-8	Acenaphthylene	E625	ug/kg	5.87						
218-01-9	Chrysene	E625	ug/kg	108						
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8						
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200						
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611						
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22						
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8						
58-90-2	Chlorophenols	E625	ug/kg	284						
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000						
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120						
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4						
67-72-1	Hexachloroethane	E625	ug/kg	804						
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL						
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139						
78-59-1	Isophorone	E625	ug/kg	511000						
83-32-9	Acenaphthene	E625	ug/kg	6.71						
84-66-2	Diethylphthalate	E625	ug/kg	218						
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160						
85-01-8	Phenanthrene	E625	ug/kg	86.7						
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800						
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100						
86-73-7	Fluorene	E625	ug/kg	19						
86-74-8	Carbazole	E625	ug/kg	NL						
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110						
87-86-5	Pentachlorophenol	E625	ug/kg	2970						
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650						
88-74-4	2-Nitroaniline	E625	ug/kg	60600						
88-75-5	2-Nitrophenol	E625	ug/kg	NL						

				sys_loc_code:	C107		C108		C109	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C107 0-12		C108 0-12		C109 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/22/2009		07/22/2009		07/22/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
91-20-3	Naphthalene	E625	ug/kg	34.6						
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2						
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000						
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080						
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220						
95-48-7	2-Methylphenol	E625	ug/kg	306000						
95-57-8	2-Chlorophenol	E625	ug/kg	344						
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830						
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819						
98-86-2	Acetophenone	E625	ug/kg	782000						
98-95-3	Nitrobenzene	E625	ug/kg	4790						
99-09-2	3-Nitroaniline	E625	ug/kg	NL						

				sys_loc_code:	C13		C14		C20		
				loc_name:	Area-11		Area-11		Area-11		
				sys_sample_code:	C13 0-12		C14 0-12		C20 0-12		
				depth:	0-12 in		0-12 in		0-12 in		
				sample_date:	07/10/2009		07/10/2009		07/09/2009		
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED							
7429-90-5	Aluminum	E200.7	mg/kg	7740	2500	J			2810		
7440-38-2	Arsenic	E200.7	mg/kg	0.389					11.6	J	
7440-70-2	Calcium	E200.7	mg/kg	NL	2120	J			227	J	
7440-50-8	Copper	E200.7	mg/kg	18.7					7.4	J	
7439-89-6	Iron	E200.7	mg/kg	2000	16400	J			41400	J	
7439-92-1	Lead	E200.7	mg/kg	30.2					5.2	J	
7439-95-4	Magnesium	E200.7	mg/kg	NL	544	J			266	J	
7439-96-5	Manganese	E200.7	mg/kg	183					31.8		
7440-09-7	Potassium	E200.7	mg/kg	NL	590	U			199	J	
7440-23-5	Sodium	E200.7	mg/kg	NL	1360				674	J	
7440-66-6	Zinc	E200.7	mg/kg	124					27.1	J	
7440-36-0	Antimony	E200.8	mg/kg	2	1.2	U	1.1	U	1.1	U	
7440-38-2	Arsenic	E200.8	mg/kg	0.389	6.8	J	6.5	J			
7440-39-3	Barium	E200.8	mg/kg	130.1	2.9	J	1.8	J	1.9	J	
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.35	J	0.46	J	0.51		
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.29	U	0.045	J	0.26	U	
7440-47-3	Chromium	E200.8	mg/kg	52.3	21.2	J	21.5	J	18.1	J	
7440-48-4	Cobalt	E200.8	mg/kg	2.34	1.6		1.1		0.86	J	
7440-50-8	Copper	E200.8	mg/kg	18.7	18.7	J	10.1				
7439-92-1	Lead	E200.8	mg/kg	30.2	27.9		14.9				
7439-96-5	Manganese	E200.8	mg/kg	183	58.3	J	58.4				
7440-02-0	Nickel	E200.8	mg/kg	15.9	4.6		2.4	J	1.9	J	
7782-49-2	Selenium	E200.8	mg/kg	2	0.67		0.54	U	0.17	J	
7440-22-4	Silver	E200.8	mg/kg	0.73	0.29	U	0.27	U	0.26	UJ	
7440-28-0	Thallium	E200.8	mg/kg	100000	0.59	U	0.54	U	0.53	U	
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	23.6	J	27.9	J	34.4	J	
7440-66-6	Zinc	E200.8	mg/kg	124	48		43.3				
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.12		0.022	U	0.033	U	
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6							
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357							
309-00-2	Aldrin	CPEST	ug/kg	2							
319-84-6	Alpha-Bhc	CPEST	ug/kg	3							
319-85-7	Beta-Bhc	CPEST	ug/kg	3							

				sys_loc_code:	C13		C14		C20	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C13 0-12		C14 0-12		C20 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/10/2009		07/10/2009		07/09/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
319-86-8	Delta-Bhc	CPEST	ug/kg	3						
33213-65-9	Endosulfan II	CPEST	ug/kg	14						
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19						
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7						
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7						
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL						
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32						
60-57-1	Dieldrin	CPEST	ug/kg	0.72						
72-20-8	Endrin	CPEST	ug/kg	2.67						
72-43-5	Methoxychlor	CPEST	ug/kg	29.6						
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22						
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07						
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL						
76-44-8	Heptachlor	CPEST	ug/kg	68						
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1						
959-98-8	Endosulfan I	CPEST	ug/kg	2.9						
11096-82-5	Aroclor 1260	E608	ug/kg	21.6						
11097-69-1	Aroclor 1254	E608	ug/kg	23						
11100-14-4	Aroclor 1268	E608	ug/kg	21.6						
11104-28-2	Aroclor 1221	E608	ug/kg	21.6						
11141-16-5	Aroclor 1232	E608	ug/kg	21.6						
12672-29-6	Aroclor 1248	E608	ug/kg	21.6						
12674-11-2	Aroclor 1016	E608	ug/kg	21.6						
37324-23-5	Aroclor 1262	E608	ug/kg	21.6						
53469-21-9	Aroclor 1242	E608	ug/kg	21.6						
100-41-4	Ethylbenzene	E624	ug/kg	305						
100-42-5	Styrene	E624	ug/kg	7070						
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL						
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL						
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460						
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7						
107-06-2	1,2-Dichloroethane	E624	ug/kg	432						
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000						

				sys_loc_code:	C13		C14		C20	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C13 0-12		C14 0-12		C20 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/10/2009		07/10/2009		07/09/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
108-87-2	Methylcyclohexane	E624	ug/kg	NL						
108-88-3	Toluene	E624	ug/kg	1090						
108-90-7	Chlorobenzene	E624	ug/kg	162						
110-82-7	Cyclohexane	E624	ug/kg	117000						
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473						
123-91-1	1,4-Dioxane	E624	ug/kg	44100						
124-48-1	Dibromochloromethane	E624	ug/kg	680						
127-18-4	Tetrachloroethene	E624	ug/kg	190						
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200						
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300						
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300						
179601-23-1	m,p-Xylene	E624	ug/kg	NL						
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842						
56-23-5	Carbon tetrachloride	E624	ug/kg	248						
591-78-6	2-Hexanone	E624	ug/kg	20900						
67-64-1	Acetone	E624	ug/kg	6130000						
67-66-3	Chloroform	E624	ug/kg	295						
71-43-2	Benzene	E624	ug/kg	137						
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856						
74-83-9	Bromomethane	E624	ug/kg	732						
74-87-3	Chloromethane	E624	ug/kg	11900						
74-97-5	Bromochloromethane	E624	ug/kg	NL						
75-00-3	Chloroethane	E624	ug/kg	1450000						
75-01-4	Vinyl Chloride	E624	ug/kg	59.7						
75-09-2	Methylene chloride	E624	ug/kg	10700						
75-15-0	Carbon Disulfide	E624	ug/kg	0.851						
75-25-2	Bromoform	E624	ug/kg	1310						
75-27-4	Bromodichloromethane	E624	ug/kg	273						
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310						
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780						
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700						
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400						
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000						

				sys_loc_code:	C13		C14		C20	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C13 0-12		C14 0-12		C20 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/10/2009		07/10/2009		07/09/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
78-87-5	1,2-Dichloropropane	E624	ug/kg	895						
78-93-3	2-Butanone	E624	ug/kg	2780000						
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570						
79-01-6	Trichloroethene	E624	ug/kg	1600						
79-20-9	Methyl Acetate	E624	ug/kg	7820000						
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202						
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858						
95-47-6	o-Xylene	E624	ug/kg	NL						
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989						
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35						
98-82-8	Isopropylbenzene	E624	ug/kg	86						
100-01-6	4-Nitroaniline	E625	ug/kg	24300						
100-02-7	4-Nitrophenol	E625	ug/kg	NL						
100-52-7	Benzaldehyde	E625	ug/kg	782000						
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230						
105-60-2	Caprolactam	E625	ug/kg	3060000						
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29						
106-44-5	4-Methylphenol	E625	ug/kg	670						
106-47-8	4-Chloroaniline	E625	ug/kg	2430						
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570						
108-95-2	Phenol	E625	ug/kg	420						
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214						
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300						
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182						
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL						
118-74-1	Hexachlorobenzene	E625	ug/kg	20						
120-12-7	Anthracene	E625	ug/kg	46.9						
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117						
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6						
129-00-0	Pyrene	E625	ug/kg	153						
131-11-3	Dimethylphthalate	E625	ug/kg	NL						
132-64-9	Dibenzofuran	E625	ug/kg	7300						
1912-24-9	Atrazine	E625	ug/kg	6.62						

				sys_loc_code:	C13		C14		C20	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C13 0-12		C14 0-12		C20 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/10/2009		07/10/2009		07/09/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170						
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17						
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148						
206-44-0	Fluoranthene	E625	ug/kg	113						
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240						
208-96-8	Acenaphthylene	E625	ug/kg	5.87						
218-01-9	Chrysene	E625	ug/kg	108						
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8						
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200						
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611						
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22						
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8						
58-90-2	Chlorophenols	E625	ug/kg	284						
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000						
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120						
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4						
67-72-1	Hexachloroethane	E625	ug/kg	804						
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL						
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139						
78-59-1	Isophorone	E625	ug/kg	511000						
83-32-9	Acenaphthene	E625	ug/kg	6.71						
84-66-2	Diethylphthalate	E625	ug/kg	218						
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160						
85-01-8	Phenanthrene	E625	ug/kg	86.7						
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800						
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100						
86-73-7	Fluorene	E625	ug/kg	19						
86-74-8	Carbazole	E625	ug/kg	NL						
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110						
87-86-5	Pentachlorophenol	E625	ug/kg	2970						
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650						
88-74-4	2-Nitroaniline	E625	ug/kg	60600						
88-75-5	2-Nitrophenol	E625	ug/kg	NL						

				sys_loc_code:	C13		C14		C20	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C13 0-12		C14 0-12		C20 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/10/2009		07/10/2009		07/09/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
91-20-3	Naphthalene	E625	ug/kg	34.6						
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2						
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000						
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080						
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220						
95-48-7	2-Methylphenol	E625	ug/kg	306000						
95-57-8	2-Chlorophenol	E625	ug/kg	344						
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830						
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819						
98-86-2	Acetophenone	E625	ug/kg	782000						
98-95-3	Nitrobenzene	E625	ug/kg	4790						
99-09-2	3-Nitroaniline	E625	ug/kg	NL						

				sys_loc_code:	C21		C23		C24		
				loc_name:	Area-11		Area-11		Area-11		
				sys_sample_code:	C21 0-12		C23 0-12		C24 0-12		
				depth:	0-12 in		0-12 in		0-12 in		
				sample_date:	07/10/2009		07/09/2009		07/09/2009		
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED							
7429-90-5	Aluminum	E200.7	mg/kg	7740	1880		6900		1800		
7440-38-2	Arsenic	E200.7	mg/kg	0.389					8	J	
7440-70-2	Calcium	E200.7	mg/kg	NL	129	J	716		289	J	
7440-50-8	Copper	E200.7	mg/kg	18.7					10.9	J	
7439-89-6	Iron	E200.7	mg/kg	2000	25900	J	33900		20300	J	
7439-92-1	Lead	E200.7	mg/kg	30.2					34.5	J	
7439-95-4	Magnesium	E200.7	mg/kg	NL	575	UJ	2210		402	J	
7439-96-5	Manganese	E200.7	mg/kg	183					54.3		
7440-09-7	Potassium	E200.7	mg/kg	NL	181	J	1120		170	J	
7440-23-5	Sodium	E200.7	mg/kg	NL	314	J	1490		939	J	
7440-66-6	Zinc	E200.7	mg/kg	124					50.1	J	
7440-36-0	Antimony	E200.8	mg/kg	2	1.2	U	1.3	UJ	1.1	U	
7440-38-2	Arsenic	E200.8	mg/kg	0.389	14.5	J	21.7				
7440-39-3	Barium	E200.8	mg/kg	130.1	2.6	J	14		5.6	U	
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.26	J	0.81		0.28	U	
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.29	U	0.13	J	0.28	U	
7440-47-3	Chromium	E200.8	mg/kg	52.3	9.5	J	17	J	10.7	J	
7440-48-4	Cobalt	E200.8	mg/kg	2.34	0.61		4.6		0.82	J	
7440-50-8	Copper	E200.8	mg/kg	18.7	4.6		13	J			
7439-92-1	Lead	E200.8	mg/kg	30.2	6.5	J	31.3	J			
7439-96-5	Manganese	E200.8	mg/kg	183	15.8	J	99.1	J			
7440-02-0	Nickel	E200.8	mg/kg	15.9	1.3		8.5	J	2.1	J	
7782-49-2	Selenium	E200.8	mg/kg	2	0.58	U	0.4	J	0.27	J	
7440-22-4	Silver	E200.8	mg/kg	0.73	0.29	U	0.32	UJ	0.28	UJ	
7440-28-0	Thallium	E200.8	mg/kg	100000	0.58	U	0.65	U	0.56	U	
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	20.3	J	34	J	17.9	J	
7440-66-6	Zinc	E200.8	mg/kg	124	13.9		60.7	J			
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.034	U	0.5		0.031	J	
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6							
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357							
309-00-2	Aldrin	CPEST	ug/kg	2							
319-84-6	Alpha-Bhc	CPEST	ug/kg	3							
319-85-7	Beta-Bhc	CPEST	ug/kg	3							

				sys_loc_code:	C21		C23		C24	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C21 0-12		C23 0-12		C24 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/10/2009		07/09/2009		07/09/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
319-86-8	Delta-Bhc	CPEST	ug/kg	3						
33213-65-9	Endosulfan II	CPEST	ug/kg	14						
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19						
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7						
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7						
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL						
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32						
60-57-1	Dieldrin	CPEST	ug/kg	0.72						
72-20-8	Endrin	CPEST	ug/kg	2.67						
72-43-5	Methoxychlor	CPEST	ug/kg	29.6						
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22						
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07						
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL						
76-44-8	Heptachlor	CPEST	ug/kg	68						
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1						
959-98-8	Endosulfan I	CPEST	ug/kg	2.9						
11096-82-5	Aroclor 1260	E608	ug/kg	21.6						
11097-69-1	Aroclor 1254	E608	ug/kg	23						
11100-14-4	Aroclor 1268	E608	ug/kg	21.6						
11104-28-2	Aroclor 1221	E608	ug/kg	21.6						
11141-16-5	Aroclor 1232	E608	ug/kg	21.6						
12672-29-6	Aroclor 1248	E608	ug/kg	21.6						
12674-11-2	Aroclor 1016	E608	ug/kg	21.6						
37324-23-5	Aroclor 1262	E608	ug/kg	21.6						
53469-21-9	Aroclor 1242	E608	ug/kg	21.6						
100-41-4	Ethylbenzene	E624	ug/kg	305						
100-42-5	Styrene	E624	ug/kg	7070						
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL						
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL						
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460						
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7						
107-06-2	1,2-Dichloroethane	E624	ug/kg	432						
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000						

				sys_loc_code:	C21		C23		C24	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C21 0-12		C23 0-12		C24 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/10/2009		07/09/2009		07/09/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
108-87-2	Methylcyclohexane	E624	ug/kg	NL						
108-88-3	Toluene	E624	ug/kg	1090						
108-90-7	Chlorobenzene	E624	ug/kg	162						
110-82-7	Cyclohexane	E624	ug/kg	117000						
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473						
123-91-1	1,4-Dioxane	E624	ug/kg	44100						
124-48-1	Dibromochloromethane	E624	ug/kg	680						
127-18-4	Tetrachloroethene	E624	ug/kg	190						
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200						
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300						
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300						
179601-23-1	m,p-Xylene	E624	ug/kg	NL						
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842						
56-23-5	Carbon tetrachloride	E624	ug/kg	248						
591-78-6	2-Hexanone	E624	ug/kg	20900						
67-64-1	Acetone	E624	ug/kg	6130000						
67-66-3	Chloroform	E624	ug/kg	295						
71-43-2	Benzene	E624	ug/kg	137						
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856						
74-83-9	Bromomethane	E624	ug/kg	732						
74-87-3	Chloromethane	E624	ug/kg	11900						
74-97-5	Bromochloromethane	E624	ug/kg	NL						
75-00-3	Chloroethane	E624	ug/kg	1450000						
75-01-4	Vinyl Chloride	E624	ug/kg	59.7						
75-09-2	Methylene chloride	E624	ug/kg	10700						
75-15-0	Carbon Disulfide	E624	ug/kg	0.851						
75-25-2	Bromoform	E624	ug/kg	1310						
75-27-4	Bromodichloromethane	E624	ug/kg	273						
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310						
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780						
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700						
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400						
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000						

				sys_loc_code:	C21		C23		C24	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C21 0-12		C23 0-12		C24 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/10/2009		07/09/2009		07/09/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
78-87-5	1,2-Dichloropropane	E624	ug/kg	895						
78-93-3	2-Butanone	E624	ug/kg	2780000						
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570						
79-01-6	Trichloroethene	E624	ug/kg	1600						
79-20-9	Methyl Acetate	E624	ug/kg	7820000						
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202						
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858						
95-47-6	o-Xylene	E624	ug/kg	NL						
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989						
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35						
98-82-8	Isopropylbenzene	E624	ug/kg	86						
100-01-6	4-Nitroaniline	E625	ug/kg	24300						
100-02-7	4-Nitrophenol	E625	ug/kg	NL						
100-52-7	Benzaldehyde	E625	ug/kg	782000						
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230						
105-60-2	Caprolactam	E625	ug/kg	3060000						
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29						
106-44-5	4-Methylphenol	E625	ug/kg	670						
106-47-8	4-Chloroaniline	E625	ug/kg	2430						
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570						
108-95-2	Phenol	E625	ug/kg	420						
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214						
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300						
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182						
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL						
118-74-1	Hexachlorobenzene	E625	ug/kg	20						
120-12-7	Anthracene	E625	ug/kg	46.9						
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117						
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6						
129-00-0	Pyrene	E625	ug/kg	153						
131-11-3	Dimethylphthalate	E625	ug/kg	NL						
132-64-9	Dibenzofuran	E625	ug/kg	7300						
1912-24-9	Atrazine	E625	ug/kg	6.62						

				sys_loc_code:	C21		C23		C24	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C21 0-12		C23 0-12		C24 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/10/2009		07/09/2009		07/09/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170						
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17						
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148						
206-44-0	Fluoranthene	E625	ug/kg	113						
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240						
208-96-8	Acenaphthylene	E625	ug/kg	5.87						
218-01-9	Chrysene	E625	ug/kg	108						
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8						
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200						
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611						
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22						
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8						
58-90-2	Chlorophenols	E625	ug/kg	284						
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000						
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120						
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4						
67-72-1	Hexachloroethane	E625	ug/kg	804						
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL						
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139						
78-59-1	Isophorone	E625	ug/kg	511000						
83-32-9	Acenaphthene	E625	ug/kg	6.71						
84-66-2	Diethylphthalate	E625	ug/kg	218						
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160						
85-01-8	Phenanthrene	E625	ug/kg	86.7						
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800						
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100						
86-73-7	Fluorene	E625	ug/kg	19						
86-74-8	Carbazole	E625	ug/kg	NL						
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110						
87-86-5	Pentachlorophenol	E625	ug/kg	2970						
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650						
88-74-4	2-Nitroaniline	E625	ug/kg	60600						
88-75-5	2-Nitrophenol	E625	ug/kg	NL						

				sys_loc_code:	C21		C23		C24	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C21 0-12		C23 0-12		C24 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/10/2009		07/09/2009		07/09/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
91-20-3	Naphthalene	E625	ug/kg	34.6						
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2						
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000						
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080						
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220						
95-48-7	2-Methylphenol	E625	ug/kg	306000						
95-57-8	2-Chlorophenol	E625	ug/kg	344						
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830						
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819						
98-86-2	Acetophenone	E625	ug/kg	782000						
98-95-3	Nitrobenzene	E625	ug/kg	4790						
99-09-2	3-Nitroaniline	E625	ug/kg	NL						

				sys_loc_code:	C30		C31		C32	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C30 0-12		C31 0-12		C32 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/10/2009		07/10/2009		07/10/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
7429-90-5	Aluminum	E200.7	mg/kg	7740			2270	J	2420	J
7440-38-2	Arsenic	E200.7	mg/kg	0.389						
7440-70-2	Calcium	E200.7	mg/kg	NL			671	J	699	J
7440-50-8	Copper	E200.7	mg/kg	18.7						
7439-89-6	Iron	E200.7	mg/kg	2000			35800	J	23700	J
7439-92-1	Lead	E200.7	mg/kg	30.2						
7439-95-4	Magnesium	E200.7	mg/kg	NL			502	J	586	
7439-96-5	Manganese	E200.7	mg/kg	183						
7440-09-7	Potassium	E200.7	mg/kg	NL			529	U	549	U
7440-23-5	Sodium	E200.7	mg/kg	NL			1200		1140	
7440-66-6	Zinc	E200.7	mg/kg	124						
7440-36-0	Antimony	E200.8	mg/kg	2	1.2	U	1.1	U	1.1	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389	5.4	J	6.1	J	5.9	J
7440-39-3	Barium	E200.8	mg/kg	130.1	3	J	1.3	J	2.4	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.31	J	0.84	J	0.26	J
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.21	J	0.26	U	0.32	
7440-47-3	Chromium	E200.8	mg/kg	52.3	12	J	38.2	J	10.8	J
7440-48-4	Cobalt	E200.8	mg/kg	2.34	1.6		1.3		1	
7440-50-8	Copper	E200.8	mg/kg	18.7	15.5		8.8	J	15.5	J
7439-92-1	Lead	E200.8	mg/kg	30.2	20.9		7		17	J
7439-96-5	Manganese	E200.8	mg/kg	183	36.9		40.4	J	26.8	J
7440-02-0	Nickel	E200.8	mg/kg	15.9	3.7	J	4.3		3.2	
7782-49-2	Selenium	E200.8	mg/kg	2	0.36	J	0.24	J	0.55	U
7440-22-4	Silver	E200.8	mg/kg	0.73	0.3	U	0.26	U	0.27	U
7440-28-0	Thallium	E200.8	mg/kg	100000	0.6	U	0.53	U	0.55	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	22.5	J	38.1	J	23.3	J
7440-66-6	Zinc	E200.8	mg/kg	124	47.1		31.1		43.5	
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.08		0.037		0.07	
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6						
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357						
309-00-2	Aldrin	CPEST	ug/kg	2						
319-84-6	Alpha-Bhc	CPEST	ug/kg	3						
319-85-7	Beta-Bhc	CPEST	ug/kg	3						

				sys_loc_code:	C30		C31		C32	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C30 0-12		C31 0-12		C32 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/10/2009		07/10/2009		07/10/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
319-86-8	Delta-Bhc	CPEST	ug/kg	3						
33213-65-9	Endosulfan II	CPEST	ug/kg	14						
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19						
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7						
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7						
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL						
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32						
60-57-1	Dieldrin	CPEST	ug/kg	0.72						
72-20-8	Endrin	CPEST	ug/kg	2.67						
72-43-5	Methoxychlor	CPEST	ug/kg	29.6						
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22						
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07						
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL						
76-44-8	Heptachlor	CPEST	ug/kg	68						
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1						
959-98-8	Endosulfan I	CPEST	ug/kg	2.9						
11096-82-5	Aroclor 1260	E608	ug/kg	21.6						
11097-69-1	Aroclor 1254	E608	ug/kg	23						
11100-14-4	Aroclor 1268	E608	ug/kg	21.6						
11104-28-2	Aroclor 1221	E608	ug/kg	21.6						
11141-16-5	Aroclor 1232	E608	ug/kg	21.6						
12672-29-6	Aroclor 1248	E608	ug/kg	21.6						
12674-11-2	Aroclor 1016	E608	ug/kg	21.6						
37324-23-5	Aroclor 1262	E608	ug/kg	21.6						
53469-21-9	Aroclor 1242	E608	ug/kg	21.6						
100-41-4	Ethylbenzene	E624	ug/kg	305						
100-42-5	Styrene	E624	ug/kg	7070						
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL						
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL						
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460						
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7						
107-06-2	1,2-Dichloroethane	E624	ug/kg	432						
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000						

				sys_loc_code:	C30		C31		C32	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C30 0-12		C31 0-12		C32 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/10/2009		07/10/2009		07/10/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
108-87-2	Methylcyclohexane	E624	ug/kg	NL						
108-88-3	Toluene	E624	ug/kg	1090						
108-90-7	Chlorobenzene	E624	ug/kg	162						
110-82-7	Cyclohexane	E624	ug/kg	117000						
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473						
123-91-1	1,4-Dioxane	E624	ug/kg	44100						
124-48-1	Dibromochloromethane	E624	ug/kg	680						
127-18-4	Tetrachloroethene	E624	ug/kg	190						
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200						
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300						
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300						
179601-23-1	m,p-Xylene	E624	ug/kg	NL						
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842						
56-23-5	Carbon tetrachloride	E624	ug/kg	248						
591-78-6	2-Hexanone	E624	ug/kg	20900						
67-64-1	Acetone	E624	ug/kg	6130000						
67-66-3	Chloroform	E624	ug/kg	295						
71-43-2	Benzene	E624	ug/kg	137						
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856						
74-83-9	Bromomethane	E624	ug/kg	732						
74-87-3	Chloromethane	E624	ug/kg	11900						
74-97-5	Bromochloromethane	E624	ug/kg	NL						
75-00-3	Chloroethane	E624	ug/kg	1450000						
75-01-4	Vinyl Chloride	E624	ug/kg	59.7						
75-09-2	Methylene chloride	E624	ug/kg	10700						
75-15-0	Carbon Disulfide	E624	ug/kg	0.851						
75-25-2	Bromoform	E624	ug/kg	1310						
75-27-4	Bromodichloromethane	E624	ug/kg	273						
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310						
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780						
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700						
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400						
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000						

				sys_loc_code:	C30		C31		C32	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C30 0-12		C31 0-12		C32 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/10/2009		07/10/2009		07/10/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
78-87-5	1,2-Dichloropropane	E624	ug/kg	895						
78-93-3	2-Butanone	E624	ug/kg	2780000						
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570						
79-01-6	Trichloroethene	E624	ug/kg	1600						
79-20-9	Methyl Acetate	E624	ug/kg	7820000						
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202						
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858						
95-47-6	o-Xylene	E624	ug/kg	NL						
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989						
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35						
98-82-8	Isopropylbenzene	E624	ug/kg	86						
100-01-6	4-Nitroaniline	E625	ug/kg	24300						
100-02-7	4-Nitrophenol	E625	ug/kg	NL						
100-52-7	Benzaldehyde	E625	ug/kg	782000						
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230						
105-60-2	Caprolactam	E625	ug/kg	3060000						
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29						
106-44-5	4-Methylphenol	E625	ug/kg	670						
106-47-8	4-Chloroaniline	E625	ug/kg	2430						
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570						
108-95-2	Phenol	E625	ug/kg	420						
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214						
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300						
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182						
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL						
118-74-1	Hexachlorobenzene	E625	ug/kg	20						
120-12-7	Anthracene	E625	ug/kg	46.9						
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117						
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6						
129-00-0	Pyrene	E625	ug/kg	153						
131-11-3	Dimethylphthalate	E625	ug/kg	NL						
132-64-9	Dibenzofuran	E625	ug/kg	7300						
1912-24-9	Atrazine	E625	ug/kg	6.62						

				sys_loc_code:	C30		C31		C32	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C30 0-12		C31 0-12		C32 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/10/2009		07/10/2009		07/10/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170						
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17						
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148						
206-44-0	Fluoranthene	E625	ug/kg	113						
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240						
208-96-8	Acenaphthylene	E625	ug/kg	5.87						
218-01-9	Chrysene	E625	ug/kg	108						
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8						
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200						
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611						
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22						
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8						
58-90-2	Chlorophenols	E625	ug/kg	284						
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000						
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120						
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4						
67-72-1	Hexachloroethane	E625	ug/kg	804						
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL						
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139						
78-59-1	Isophorone	E625	ug/kg	511000						
83-32-9	Acenaphthene	E625	ug/kg	6.71						
84-66-2	Diethylphthalate	E625	ug/kg	218						
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160						
85-01-8	Phenanthrene	E625	ug/kg	86.7						
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800						
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100						
86-73-7	Fluorene	E625	ug/kg	19						
86-74-8	Carbazole	E625	ug/kg	NL						
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110						
87-86-5	Pentachlorophenol	E625	ug/kg	2970						
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650						
88-74-4	2-Nitroaniline	E625	ug/kg	60600						
88-75-5	2-Nitrophenol	E625	ug/kg	NL						

				sys_loc_code:	C30		C31		C32	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C30 0-12		C31 0-12		C32 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/10/2009		07/10/2009		07/10/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
91-20-3	Naphthalene	E625	ug/kg	34.6						
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2						
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000						
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080						
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220						
95-48-7	2-Methylphenol	E625	ug/kg	306000						
95-57-8	2-Chlorophenol	E625	ug/kg	344						
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830						
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819						
98-86-2	Acetophenone	E625	ug/kg	782000						
98-95-3	Nitrobenzene	E625	ug/kg	4790						
99-09-2	3-Nitroaniline	E625	ug/kg	NL						

				sys_loc_code:	C33		C34		C35	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C33 0-12		C34 0-12		C35 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/10/2009		07/10/2009		07/10/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
7429-90-5	Aluminum	E200.7	mg/kg	7740	3260	J			1970	
7440-38-2	Arsenic	E200.7	mg/kg	0.389						
7440-70-2	Calcium	E200.7	mg/kg	NL	613	UJ			531	J
7440-50-8	Copper	E200.7	mg/kg	18.7						
7439-89-6	Iron	E200.7	mg/kg	2000	37400	J			20600	J
7439-92-1	Lead	E200.7	mg/kg	30.2						
7439-95-4	Magnesium	E200.7	mg/kg	NL	613	UJ			543	UJ
7439-96-5	Manganese	E200.7	mg/kg	183						
7440-09-7	Potassium	E200.7	mg/kg	NL	613	UJ			194	J
7440-23-5	Sodium	E200.7	mg/kg	NL	308	J			648	
7440-66-6	Zinc	E200.7	mg/kg	124						
7440-36-0	Antimony	E200.8	mg/kg	2	1.2	U	1.6		1.1	
7440-38-2	Arsenic	E200.8	mg/kg	0.389	9.1	J	7	J	8.8	J
7440-39-3	Barium	E200.8	mg/kg	130.1	3.7	J	5.3	J	5.4	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.56		0.48	J	0.47	
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.31	U	0.34		0.27	U
7440-47-3	Chromium	E200.8	mg/kg	52.3	23.9		24.9	J	17.6	J
7440-48-4	Cobalt	E200.8	mg/kg	2.34	2		1.6		3.2	
7440-50-8	Copper	E200.8	mg/kg	18.7	17		88		36.7	
7439-92-1	Lead	E200.8	mg/kg	30.2	18.7		57.2		49.6	J
7439-96-5	Manganese	E200.8	mg/kg	183	23.9		32.9		55.6	J
7440-02-0	Nickel	E200.8	mg/kg	15.9	4.4		4.7	J	6.3	
7782-49-2	Selenium	E200.8	mg/kg	2	0.61	UJ	0.44	J	0.54	U
7440-22-4	Silver	E200.8	mg/kg	0.73	0.11	J	0.3	U	0.27	U
7440-28-0	Thallium	E200.8	mg/kg	100000	0.61	U	0.6	U	0.54	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	56.6		52.9	J	31.2	J
7440-66-6	Zinc	E200.8	mg/kg	124	46.5		73		104	
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.048		0.061		0.039	
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6						
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357						
309-00-2	Aldrin	CPEST	ug/kg	2						
319-84-6	Alpha-Bhc	CPEST	ug/kg	3						
319-85-7	Beta-Bhc	CPEST	ug/kg	3						

				sys_loc_code:	C33		C34		C35	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C33 0-12		C34 0-12		C35 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/10/2009		07/10/2009		07/10/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
319-86-8	Delta-Bhc	CPEST	ug/kg	3						
33213-65-9	Endosulfan II	CPEST	ug/kg	14						
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19						
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7						
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7						
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL						
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32						
60-57-1	Dieldrin	CPEST	ug/kg	0.72						
72-20-8	Endrin	CPEST	ug/kg	2.67						
72-43-5	Methoxychlor	CPEST	ug/kg	29.6						
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22						
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07						
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL						
76-44-8	Heptachlor	CPEST	ug/kg	68						
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1						
959-98-8	Endosulfan I	CPEST	ug/kg	2.9						
11096-82-5	Aroclor 1260	E608	ug/kg	21.6						
11097-69-1	Aroclor 1254	E608	ug/kg	23						
11100-14-4	Aroclor 1268	E608	ug/kg	21.6						
11104-28-2	Aroclor 1221	E608	ug/kg	21.6						
11141-16-5	Aroclor 1232	E608	ug/kg	21.6						
12672-29-6	Aroclor 1248	E608	ug/kg	21.6						
12674-11-2	Aroclor 1016	E608	ug/kg	21.6						
37324-23-5	Aroclor 1262	E608	ug/kg	21.6						
53469-21-9	Aroclor 1242	E608	ug/kg	21.6						
100-41-4	Ethylbenzene	E624	ug/kg	305						
100-42-5	Styrene	E624	ug/kg	7070						
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL						
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL						
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460						
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7						
107-06-2	1,2-Dichloroethane	E624	ug/kg	432						
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000						

				sys_loc_code:	C33		C34		C35	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C33 0-12		C34 0-12		C35 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/10/2009		07/10/2009		07/10/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
108-87-2	Methylcyclohexane	E624	ug/kg	NL						
108-88-3	Toluene	E624	ug/kg	1090						
108-90-7	Chlorobenzene	E624	ug/kg	162						
110-82-7	Cyclohexane	E624	ug/kg	117000						
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473						
123-91-1	1,4-Dioxane	E624	ug/kg	44100						
124-48-1	Dibromochloromethane	E624	ug/kg	680						
127-18-4	Tetrachloroethene	E624	ug/kg	190						
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200						
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300						
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300						
179601-23-1	m,p-Xylene	E624	ug/kg	NL						
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842						
56-23-5	Carbon tetrachloride	E624	ug/kg	248						
591-78-6	2-Hexanone	E624	ug/kg	20900						
67-64-1	Acetone	E624	ug/kg	6130000						
67-66-3	Chloroform	E624	ug/kg	295						
71-43-2	Benzene	E624	ug/kg	137						
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856						
74-83-9	Bromomethane	E624	ug/kg	732						
74-87-3	Chloromethane	E624	ug/kg	11900						
74-97-5	Bromochloromethane	E624	ug/kg	NL						
75-00-3	Chloroethane	E624	ug/kg	1450000						
75-01-4	Vinyl Chloride	E624	ug/kg	59.7						
75-09-2	Methylene chloride	E624	ug/kg	10700						
75-15-0	Carbon Disulfide	E624	ug/kg	0.851						
75-25-2	Bromoform	E624	ug/kg	1310						
75-27-4	Bromodichloromethane	E624	ug/kg	273						
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310						
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780						
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700						
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400						
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000						

				sys_loc_code:	C33		C34		C35	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C33 0-12		C34 0-12		C35 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/10/2009		07/10/2009		07/10/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
78-87-5	1,2-Dichloropropane	E624	ug/kg	895						
78-93-3	2-Butanone	E624	ug/kg	2780000						
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570						
79-01-6	Trichloroethene	E624	ug/kg	1600						
79-20-9	Methyl Acetate	E624	ug/kg	7820000						
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202						
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858						
95-47-6	o-Xylene	E624	ug/kg	NL						
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989						
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35						
98-82-8	Isopropylbenzene	E624	ug/kg	86						
100-01-6	4-Nitroaniline	E625	ug/kg	24300						
100-02-7	4-Nitrophenol	E625	ug/kg	NL						
100-52-7	Benzaldehyde	E625	ug/kg	782000						
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230						
105-60-2	Caprolactam	E625	ug/kg	3060000						
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29						
106-44-5	4-Methylphenol	E625	ug/kg	670						
106-47-8	4-Chloroaniline	E625	ug/kg	2430						
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570						
108-95-2	Phenol	E625	ug/kg	420						
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214						
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300						
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182						
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL						
118-74-1	Hexachlorobenzene	E625	ug/kg	20						
120-12-7	Anthracene	E625	ug/kg	46.9						
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117						
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6						
129-00-0	Pyrene	E625	ug/kg	153						
131-11-3	Dimethylphthalate	E625	ug/kg	NL						
132-64-9	Dibenzofuran	E625	ug/kg	7300						
1912-24-9	Atrazine	E625	ug/kg	6.62						

				sys_loc_code:	C33		C34		C35	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C33 0-12		C34 0-12		C35 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/10/2009		07/10/2009		07/10/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170						
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17						
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148						
206-44-0	Fluoranthene	E625	ug/kg	113						
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240						
208-96-8	Acenaphthylene	E625	ug/kg	5.87						
218-01-9	Chrysene	E625	ug/kg	108						
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8						
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200						
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611						
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22						
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8						
58-90-2	Chlorophenols	E625	ug/kg	284						
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000						
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120						
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4						
67-72-1	Hexachloroethane	E625	ug/kg	804						
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL						
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139						
78-59-1	Isophorone	E625	ug/kg	511000						
83-32-9	Acenaphthene	E625	ug/kg	6.71						
84-66-2	Diethylphthalate	E625	ug/kg	218						
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160						
85-01-8	Phenanthrene	E625	ug/kg	86.7						
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800						
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100						
86-73-7	Fluorene	E625	ug/kg	19						
86-74-8	Carbazole	E625	ug/kg	NL						
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110						
87-86-5	Pentachlorophenol	E625	ug/kg	2970						
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650						
88-74-4	2-Nitroaniline	E625	ug/kg	60600						
88-75-5	2-Nitrophenol	E625	ug/kg	NL						

				sys_loc_code:	C33		C34		C35	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C33 0-12		C34 0-12		C35 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/10/2009		07/10/2009		07/10/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
91-20-3	Naphthalene	E625	ug/kg	34.6						
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2						
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000						
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080						
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220						
95-48-7	2-Methylphenol	E625	ug/kg	306000						
95-57-8	2-Chlorophenol	E625	ug/kg	344						
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830						
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819						
98-86-2	Acetophenone	E625	ug/kg	782000						
98-95-3	Nitrobenzene	E625	ug/kg	4790						
99-09-2	3-Nitroaniline	E625	ug/kg	NL						

				sys_loc_code:	C36			C43		C44	
				loc_name:	Area-11			Area-11		Area-11	
				sys_sample_code:	C36 0-12			C43 0-12		C44 0-12	
				depth:	0-12 in			0-12 in		0-12 in	
				sample_date:	07/10/2009			07/13/2009		07/13/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED							
7429-90-5	Aluminum	E200.7	mg/kg	7740	1850	J		1760		1580	
7440-38-2	Arsenic	E200.7	mg/kg	0.389				7.3		9.7	J
7440-70-2	Calcium	E200.7	mg/kg	NL	515	J		1470	J	1190	
7440-50-8	Copper	E200.7	mg/kg	18.7						26.7	J
7439-89-6	Iron	E200.7	mg/kg	2000	10900	J		19200	J	15700	J
7439-92-1	Lead	E200.7	mg/kg	30.2				20.2		17.1	
7439-95-4	Magnesium	E200.7	mg/kg	NL	441	J		688		584	
7439-96-5	Manganese	E200.7	mg/kg	183				36.3	J	28.8	
7440-09-7	Potassium	E200.7	mg/kg	NL	577	U		244	J	214	J
7440-23-5	Sodium	E200.7	mg/kg	NL	1100			1480		1540	
7440-66-6	Zinc	E200.7	mg/kg	124				63.5	J	61.6	J
7440-36-0	Antimony	E200.8	mg/kg	2	1.2	U		1.2	U	1.2	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389	6	J					
7440-39-3	Barium	E200.8	mg/kg	130.1	4.9	J		3.4	J	2.8	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.25	J		0.58		0.3	U
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.29	U		0.39		0.3	U
7440-47-3	Chromium	E200.8	mg/kg	52.3	11.6	J		29.5		10.7	J
7440-48-4	Cobalt	E200.8	mg/kg	2.34	1.1			2.6	J	1.3	J
7440-50-8	Copper	E200.8	mg/kg	18.7	28.5	J		21.9			
7439-92-1	Lead	E200.8	mg/kg	30.2	31.2						
7439-96-5	Manganese	E200.8	mg/kg	183	52	J					
7440-02-0	Nickel	E200.8	mg/kg	15.9	3.9			9.3		3.9	J
7782-49-2	Selenium	E200.8	mg/kg	2	0.3	J		0.79		0.35	J
7440-22-4	Silver	E200.8	mg/kg	0.73	0.29	U		0.3	UJ	0.3	UJ
7440-28-0	Thallium	E200.8	mg/kg	100000	0.58	U		0.6	U	0.59	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	16.9	J		43.4		16.9	J
7440-66-6	Zinc	E200.8	mg/kg	124	59.2						
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.035			0.1		0.12	
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6							
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357							
309-00-2	Aldrin	CPEST	ug/kg	2							
319-84-6	Alpha-Bhc	CPEST	ug/kg	3							
319-85-7	Beta-Bhc	CPEST	ug/kg	3							

				sys_loc_code:	C36		C43		C44	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C36 0-12		C43 0-12		C44 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/10/2009		07/13/2009		07/13/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
319-86-8	Delta-Bhc	CPEST	ug/kg	3						
33213-65-9	Endosulfan II	CPEST	ug/kg	14						
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19						
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7						
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7						
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL						
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32						
60-57-1	Dieldrin	CPEST	ug/kg	0.72						
72-20-8	Endrin	CPEST	ug/kg	2.67						
72-43-5	Methoxychlor	CPEST	ug/kg	29.6						
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22						
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07						
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL						
76-44-8	Heptachlor	CPEST	ug/kg	68						
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1						
959-98-8	Endosulfan I	CPEST	ug/kg	2.9						
11096-82-5	Aroclor 1260	E608	ug/kg	21.6						
11097-69-1	Aroclor 1254	E608	ug/kg	23						
11100-14-4	Aroclor 1268	E608	ug/kg	21.6						
11104-28-2	Aroclor 1221	E608	ug/kg	21.6						
11141-16-5	Aroclor 1232	E608	ug/kg	21.6						
12672-29-6	Aroclor 1248	E608	ug/kg	21.6						
12674-11-2	Aroclor 1016	E608	ug/kg	21.6						
37324-23-5	Aroclor 1262	E608	ug/kg	21.6						
53469-21-9	Aroclor 1242	E608	ug/kg	21.6						
100-41-4	Ethylbenzene	E624	ug/kg	305						
100-42-5	Styrene	E624	ug/kg	7070						
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL						
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL						
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460						
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7						
107-06-2	1,2-Dichloroethane	E624	ug/kg	432						
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000						

				sys_loc_code:	C36		C43		C44	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C36 0-12		C43 0-12		C44 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/10/2009		07/13/2009		07/13/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
108-87-2	Methylcyclohexane	E624	ug/kg	NL						
108-88-3	Toluene	E624	ug/kg	1090						
108-90-7	Chlorobenzene	E624	ug/kg	162						
110-82-7	Cyclohexane	E624	ug/kg	117000						
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473						
123-91-1	1,4-Dioxane	E624	ug/kg	44100						
124-48-1	Dibromochloromethane	E624	ug/kg	680						
127-18-4	Tetrachloroethene	E624	ug/kg	190						
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200						
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300						
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300						
179601-23-1	m,p-Xylene	E624	ug/kg	NL						
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842						
56-23-5	Carbon tetrachloride	E624	ug/kg	248						
591-78-6	2-Hexanone	E624	ug/kg	20900						
67-64-1	Acetone	E624	ug/kg	6130000						
67-66-3	Chloroform	E624	ug/kg	295						
71-43-2	Benzene	E624	ug/kg	137						
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856						
74-83-9	Bromomethane	E624	ug/kg	732						
74-87-3	Chloromethane	E624	ug/kg	11900						
74-97-5	Bromochloromethane	E624	ug/kg	NL						
75-00-3	Chloroethane	E624	ug/kg	1450000						
75-01-4	Vinyl Chloride	E624	ug/kg	59.7						
75-09-2	Methylene chloride	E624	ug/kg	10700						
75-15-0	Carbon Disulfide	E624	ug/kg	0.851						
75-25-2	Bromoform	E624	ug/kg	1310						
75-27-4	Bromodichloromethane	E624	ug/kg	273						
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310						
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780						
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700						
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400						
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000						

				sys_loc_code:	C36		C43		C44	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C36 0-12		C43 0-12		C44 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/10/2009		07/13/2009		07/13/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
78-87-5	1,2-Dichloropropane	E624	ug/kg	895						
78-93-3	2-Butanone	E624	ug/kg	2780000						
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570						
79-01-6	Trichloroethene	E624	ug/kg	1600						
79-20-9	Methyl Acetate	E624	ug/kg	7820000						
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202						
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858						
95-47-6	o-Xylene	E624	ug/kg	NL						
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989						
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35						
98-82-8	Isopropylbenzene	E624	ug/kg	86						
100-01-6	4-Nitroaniline	E625	ug/kg	24300						
100-02-7	4-Nitrophenol	E625	ug/kg	NL						
100-52-7	Benzaldehyde	E625	ug/kg	782000						
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230						
105-60-2	Caprolactam	E625	ug/kg	3060000						
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29						
106-44-5	4-Methylphenol	E625	ug/kg	670						
106-47-8	4-Chloroaniline	E625	ug/kg	2430						
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570						
108-95-2	Phenol	E625	ug/kg	420						
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214						
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300						
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182						
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL						
118-74-1	Hexachlorobenzene	E625	ug/kg	20						
120-12-7	Anthracene	E625	ug/kg	46.9						
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117						
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6						
129-00-0	Pyrene	E625	ug/kg	153						
131-11-3	Dimethylphthalate	E625	ug/kg	NL						
132-64-9	Dibenzofuran	E625	ug/kg	7300						
1912-24-9	Atrazine	E625	ug/kg	6.62						

				sys_loc_code:	C36		C43		C44	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C36 0-12		C43 0-12		C44 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/10/2009		07/13/2009		07/13/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170						
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17						
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148						
206-44-0	Fluoranthene	E625	ug/kg	113						
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240						
208-96-8	Acenaphthylene	E625	ug/kg	5.87						
218-01-9	Chrysene	E625	ug/kg	108						
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8						
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200						
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611						
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22						
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8						
58-90-2	Chlorophenols	E625	ug/kg	284						
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000						
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120						
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4						
67-72-1	Hexachloroethane	E625	ug/kg	804						
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL						
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139						
78-59-1	Isophorone	E625	ug/kg	511000						
83-32-9	Acenaphthene	E625	ug/kg	6.71						
84-66-2	Diethylphthalate	E625	ug/kg	218						
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160						
85-01-8	Phenanthrene	E625	ug/kg	86.7						
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800						
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100						
86-73-7	Fluorene	E625	ug/kg	19						
86-74-8	Carbazole	E625	ug/kg	NL						
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110						
87-86-5	Pentachlorophenol	E625	ug/kg	2970						
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650						
88-74-4	2-Nitroaniline	E625	ug/kg	60600						
88-75-5	2-Nitrophenol	E625	ug/kg	NL						

				sys_loc_code:	C36		C43		C44	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C36 0-12		C43 0-12		C44 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/10/2009		07/13/2009		07/13/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
91-20-3	Naphthalene	E625	ug/kg	34.6						
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2						
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000						
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080						
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220						
95-48-7	2-Methylphenol	E625	ug/kg	306000						
95-57-8	2-Chlorophenol	E625	ug/kg	344						
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830						
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819						
98-86-2	Acetophenone	E625	ug/kg	782000						
98-95-3	Nitrobenzene	E625	ug/kg	4790						
99-09-2	3-Nitroaniline	E625	ug/kg	NL						

					sys_loc_code:	C45		C46		C47	
					loc_name:	Area-11		Area-11		Area-11	
					sys_sample_code:	C45 0-12		C46 0-12		C47 0-12	
					depth:	0-12 in		0-12 in		0-12 in	
					sample_date:	07/13/2009		07/13/2009		07/10/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED							
7429-90-5	Aluminum	E200.7	mg/kg	7740		2450		1680			
7440-38-2	Arsenic	E200.7	mg/kg	0.389		11.4	J	5.9	J		
7440-70-2	Calcium	E200.7	mg/kg	NL		3320		1520			
7440-50-8	Copper	E200.7	mg/kg	18.7		45.9	J	33.9	J		
7439-89-6	Iron	E200.7	mg/kg	2000		17900	J	9700	J		
7439-92-1	Lead	E200.7	mg/kg	30.2		31.4		26.9			
7439-95-4	Magnesium	E200.7	mg/kg	NL		992		678			
7439-96-5	Manganese	E200.7	mg/kg	183		39.2		39.6			
7440-09-7	Potassium	E200.7	mg/kg	NL		384	J	279	J		
7440-23-5	Sodium	E200.7	mg/kg	NL		1790		1290			
7440-66-6	Zinc	E200.7	mg/kg	124		94.9	J	65.7	J		
7440-36-0	Antimony	E200.8	mg/kg	2		1.3		1.2	U	1.2	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389						3.4	J
7440-39-3	Barium	E200.8	mg/kg	130.1		8.3	J	6.1	UJ	11.1	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6		0.34		0.34		0.42	J
7440-43-9	Cadmium	E200.8	mg/kg	0.68		0.77		0.39		0.27	J
7440-47-3	Chromium	E200.8	mg/kg	52.3		18	J	14.4	J	17.5	J
7440-48-4	Cobalt	E200.8	mg/kg	2.34		2.4	J	1.7	J	1.2	
7440-50-8	Copper	E200.8	mg/kg	18.7						21.4	
7439-92-1	Lead	E200.8	mg/kg	30.2						31.1	
7439-96-5	Manganese	E200.8	mg/kg	183						33.7	
7440-02-0	Nickel	E200.8	mg/kg	15.9		9.8	J	4.7	J	3.7	J
7782-49-2	Selenium	E200.8	mg/kg	2		1.1	J	0.42	J	0.59	U
7440-22-4	Silver	E200.8	mg/kg	0.73		0.5	J	0.36	J	0.3	U
7440-28-0	Thallium	E200.8	mg/kg	100000		0.63	U	0.61	U	0.59	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548		21.2	J	21	J	23.1	J
7440-66-6	Zinc	E200.8	mg/kg	124						54.6	
7439-97-6	Mercury	E245.5	mg/kg	0.13		0.22		0.18		0.094	
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6							
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357							
309-00-2	Aldrin	CPEST	ug/kg	2							
319-84-6	Alpha-Bhc	CPEST	ug/kg	3							
319-85-7	Beta-Bhc	CPEST	ug/kg	3							

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				sys_loc_code:	C45		C46		C47	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C45 0-12		C46 0-12		C47 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/13/2009		07/13/2009		07/10/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
319-86-8	Delta-Bhc	CPEST	ug/kg	3						
33213-65-9	Endosulfan II	CPEST	ug/kg	14						
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19						
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7						
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7						
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL						
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32						
60-57-1	Dieldrin	CPEST	ug/kg	0.72						
72-20-8	Endrin	CPEST	ug/kg	2.67						
72-43-5	Methoxychlor	CPEST	ug/kg	29.6						
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22						
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07						
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL						
76-44-8	Heptachlor	CPEST	ug/kg	68						
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1						
959-98-8	Endosulfan I	CPEST	ug/kg	2.9						
11096-82-5	Aroclor 1260	E608	ug/kg	21.6						
11097-69-1	Aroclor 1254	E608	ug/kg	23						
11100-14-4	Aroclor 1268	E608	ug/kg	21.6						
11104-28-2	Aroclor 1221	E608	ug/kg	21.6						
11141-16-5	Aroclor 1232	E608	ug/kg	21.6						
12672-29-6	Aroclor 1248	E608	ug/kg	21.6						
12674-11-2	Aroclor 1016	E608	ug/kg	21.6						
37324-23-5	Aroclor 1262	E608	ug/kg	21.6						
53469-21-9	Aroclor 1242	E608	ug/kg	21.6						
100-41-4	Ethylbenzene	E624	ug/kg	305						
100-42-5	Styrene	E624	ug/kg	7070						
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL						
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL						
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460						
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7						
107-06-2	1,2-Dichloroethane	E624	ug/kg	432						
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000						

				sys_loc_code:	C45		C46		C47	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C45 0-12		C46 0-12		C47 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/13/2009		07/13/2009		07/10/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
108-87-2	Methylcyclohexane	E624	ug/kg	NL						
108-88-3	Toluene	E624	ug/kg	1090						
108-90-7	Chlorobenzene	E624	ug/kg	162						
110-82-7	Cyclohexane	E624	ug/kg	117000						
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473						
123-91-1	1,4-Dioxane	E624	ug/kg	44100						
124-48-1	Dibromochloromethane	E624	ug/kg	680						
127-18-4	Tetrachloroethene	E624	ug/kg	190						
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200						
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300						
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300						
179601-23-1	m,p-Xylene	E624	ug/kg	NL						
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842						
56-23-5	Carbon tetrachloride	E624	ug/kg	248						
591-78-6	2-Hexanone	E624	ug/kg	20900						
67-64-1	Acetone	E624	ug/kg	6130000						
67-66-3	Chloroform	E624	ug/kg	295						
71-43-2	Benzene	E624	ug/kg	137						
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856						
74-83-9	Bromomethane	E624	ug/kg	732						
74-87-3	Chloromethane	E624	ug/kg	11900						
74-97-5	Bromochloromethane	E624	ug/kg	NL						
75-00-3	Chloroethane	E624	ug/kg	1450000						
75-01-4	Vinyl Chloride	E624	ug/kg	59.7						
75-09-2	Methylene chloride	E624	ug/kg	10700						
75-15-0	Carbon Disulfide	E624	ug/kg	0.851						
75-25-2	Bromoform	E624	ug/kg	1310						
75-27-4	Bromodichloromethane	E624	ug/kg	273						
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310						
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780						
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700						
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400						
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000						

				sys_loc_code:	C45		C46		C47	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C45 0-12		C46 0-12		C47 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/13/2009		07/13/2009		07/10/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
78-87-5	1,2-Dichloropropane	E624	ug/kg	895						
78-93-3	2-Butanone	E624	ug/kg	2780000						
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570						
79-01-6	Trichloroethene	E624	ug/kg	1600						
79-20-9	Methyl Acetate	E624	ug/kg	7820000						
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202						
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858						
95-47-6	o-Xylene	E624	ug/kg	NL						
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989						
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35						
98-82-8	Isopropylbenzene	E624	ug/kg	86						
100-01-6	4-Nitroaniline	E625	ug/kg	24300						
100-02-7	4-Nitrophenol	E625	ug/kg	NL						
100-52-7	Benzaldehyde	E625	ug/kg	782000						
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230						
105-60-2	Caprolactam	E625	ug/kg	3060000						
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29						
106-44-5	4-Methylphenol	E625	ug/kg	670						
106-47-8	4-Chloroaniline	E625	ug/kg	2430						
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570						
108-95-2	Phenol	E625	ug/kg	420						
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214						
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300						
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182						
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL						
118-74-1	Hexachlorobenzene	E625	ug/kg	20						
120-12-7	Anthracene	E625	ug/kg	46.9						
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117						
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6						
129-00-0	Pyrene	E625	ug/kg	153						
131-11-3	Dimethylphthalate	E625	ug/kg	NL						
132-64-9	Dibenzofuran	E625	ug/kg	7300						
1912-24-9	Atrazine	E625	ug/kg	6.62						

				sys_loc_code:	C45		C46		C47	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C45 0-12		C46 0-12		C47 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/13/2009		07/13/2009		07/10/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170						
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17						
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148						
206-44-0	Fluoranthene	E625	ug/kg	113						
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240						
208-96-8	Acenaphthylene	E625	ug/kg	5.87						
218-01-9	Chrysene	E625	ug/kg	108						
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8						
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200						
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611						
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22						
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8						
58-90-2	Chlorophenols	E625	ug/kg	284						
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000						
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120						
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4						
67-72-1	Hexachloroethane	E625	ug/kg	804						
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL						
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139						
78-59-1	Isophorone	E625	ug/kg	511000						
83-32-9	Acenaphthene	E625	ug/kg	6.71						
84-66-2	Diethylphthalate	E625	ug/kg	218						
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160						
85-01-8	Phenanthrene	E625	ug/kg	86.7						
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800						
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100						
86-73-7	Fluorene	E625	ug/kg	19						
86-74-8	Carbazole	E625	ug/kg	NL						
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110						
87-86-5	Pentachlorophenol	E625	ug/kg	2970						
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650						
88-74-4	2-Nitroaniline	E625	ug/kg	60600						
88-75-5	2-Nitrophenol	E625	ug/kg	NL						

				sys_loc_code:	C45		C46		C47	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C45 0-12		C46 0-12		C47 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/13/2009		07/13/2009		07/10/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
91-20-3	Naphthalene	E625	ug/kg	34.6						
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2						
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000						
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080						
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220						
95-48-7	2-Methylphenol	E625	ug/kg	306000						
95-57-8	2-Chlorophenol	E625	ug/kg	344						
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830						
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819						
98-86-2	Acetophenone	E625	ug/kg	782000						
98-95-3	Nitrobenzene	E625	ug/kg	4790						
99-09-2	3-Nitroaniline	E625	ug/kg	NL						

					sys_loc_code:	C53		C54		C55	
					loc_name:	Area-11		Area-11		Area-11	
					sys_sample_code:	C53 0-12		C54 0-12		C55 0-12	
					depth:	0-12 in		0-12 in		0-12 in	
					sample_date:	07/13/2009		07/13/2009		07/13/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED							
7429-90-5	Aluminum	E200.7	mg/kg	7740		2340	J	1450		921	
7440-38-2	Arsenic	E200.7	mg/kg	0.389		13.2	J	7.6	J	3	J
7440-70-2	Calcium	E200.7	mg/kg	NL		818	R	2080		3220	
7440-50-8	Copper	E200.7	mg/kg	18.7		19.1		15.9	J	16.5	J
7439-89-6	Iron	E200.7	mg/kg	2000		30200	J	15100	J	5660	J
7439-92-1	Lead	E200.7	mg/kg	30.2		15.9	J	12.9		19.2	
7439-95-4	Magnesium	E200.7	mg/kg	NL		723		537	J	623	J
7439-96-5	Manganese	E200.7	mg/kg	183		63.2	J	38.2		32.1	
7440-09-7	Potassium	E200.7	mg/kg	NL		255	J	178	J	240	J
7440-23-5	Sodium	E200.7	mg/kg	NL		1560	J	1400		2350	
7440-66-6	Zinc	E200.7	mg/kg	124		70.2	J	62.5	J	41.9	J
7440-36-0	Antimony	E200.8	mg/kg	2		1.4		1.2	U	1.3	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389							
7440-39-3	Barium	E200.8	mg/kg	130.1		3.6	J	6.1	UJ	6.4	UJ
7440-41-7	Beryllium	E200.8	mg/kg	15.6		0.69		0.4		0.32	U
7440-43-9	Cadmium	E200.8	mg/kg	0.68		0.41		0.42		0.32	U
7440-47-3	Chromium	E200.8	mg/kg	52.3		22.4		12	J	8.4	J
7440-48-4	Cobalt	E200.8	mg/kg	2.34		2.6	J	1.8	J	1.3	J
7440-50-8	Copper	E200.8	mg/kg	18.7							
7439-92-1	Lead	E200.8	mg/kg	30.2							
7439-96-5	Manganese	E200.8	mg/kg	183							
7440-02-0	Nickel	E200.8	mg/kg	15.9		10.5	J	7.4	J	2.7	J
7782-49-2	Selenium	E200.8	mg/kg	2		1		0.79	J	0.32	J
7440-22-4	Silver	E200.8	mg/kg	0.73		0.28	UJ	0.3	UJ	0.32	UJ
7440-28-0	Thallium	E200.8	mg/kg	100000		0.57	U	0.61	U	0.64	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548		36.9		27.6	J	11.8	J
7440-66-6	Zinc	E200.8	mg/kg	124							
7439-97-6	Mercury	E245.5	mg/kg	0.13		0.11		0.1		0.14	
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6							
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357							
309-00-2	Aldrin	CPEST	ug/kg	2							
319-84-6	Alpha-Bhc	CPEST	ug/kg	3							
319-85-7	Beta-Bhc	CPEST	ug/kg	3							

				sys_loc_code:	C53		C54		C55	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C53 0-12		C54 0-12		C55 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/13/2009		07/13/2009		07/13/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
319-86-8	Delta-Bhc	CPEST	ug/kg	3						
33213-65-9	Endosulfan II	CPEST	ug/kg	14						
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19						
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7						
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7						
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL						
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32						
60-57-1	Dieldrin	CPEST	ug/kg	0.72						
72-20-8	Endrin	CPEST	ug/kg	2.67						
72-43-5	Methoxychlor	CPEST	ug/kg	29.6						
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22						
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07						
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL						
76-44-8	Heptachlor	CPEST	ug/kg	68						
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1						
959-98-8	Endosulfan I	CPEST	ug/kg	2.9						
11096-82-5	Aroclor 1260	E608	ug/kg	21.6						
11097-69-1	Aroclor 1254	E608	ug/kg	23						
11100-14-4	Aroclor 1268	E608	ug/kg	21.6						
11104-28-2	Aroclor 1221	E608	ug/kg	21.6						
11141-16-5	Aroclor 1232	E608	ug/kg	21.6						
12672-29-6	Aroclor 1248	E608	ug/kg	21.6						
12674-11-2	Aroclor 1016	E608	ug/kg	21.6						
37324-23-5	Aroclor 1262	E608	ug/kg	21.6						
53469-21-9	Aroclor 1242	E608	ug/kg	21.6						
100-41-4	Ethylbenzene	E624	ug/kg	305						
100-42-5	Styrene	E624	ug/kg	7070						
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL						
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL						
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460						
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7						
107-06-2	1,2-Dichloroethane	E624	ug/kg	432						
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000						

				sys_loc_code:	C53		C54		C55	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C53 0-12		C54 0-12		C55 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/13/2009		07/13/2009		07/13/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
108-87-2	Methylcyclohexane	E624	ug/kg	NL						
108-88-3	Toluene	E624	ug/kg	1090						
108-90-7	Chlorobenzene	E624	ug/kg	162						
110-82-7	Cyclohexane	E624	ug/kg	117000						
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473						
123-91-1	1,4-Dioxane	E624	ug/kg	44100						
124-48-1	Dibromochloromethane	E624	ug/kg	680						
127-18-4	Tetrachloroethene	E624	ug/kg	190						
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200						
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300						
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300						
179601-23-1	m,p-Xylene	E624	ug/kg	NL						
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842						
56-23-5	Carbon tetrachloride	E624	ug/kg	248						
591-78-6	2-Hexanone	E624	ug/kg	20900						
67-64-1	Acetone	E624	ug/kg	6130000						
67-66-3	Chloroform	E624	ug/kg	295						
71-43-2	Benzene	E624	ug/kg	137						
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856						
74-83-9	Bromomethane	E624	ug/kg	732						
74-87-3	Chloromethane	E624	ug/kg	11900						
74-97-5	Bromochloromethane	E624	ug/kg	NL						
75-00-3	Chloroethane	E624	ug/kg	1450000						
75-01-4	Vinyl Chloride	E624	ug/kg	59.7						
75-09-2	Methylene chloride	E624	ug/kg	10700						
75-15-0	Carbon Disulfide	E624	ug/kg	0.851						
75-25-2	Bromoform	E624	ug/kg	1310						
75-27-4	Bromodichloromethane	E624	ug/kg	273						
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310						
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780						
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700						
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400						
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000						

				sys_loc_code:	C53		C54		C55	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C53 0-12		C54 0-12		C55 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/13/2009		07/13/2009		07/13/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
78-87-5	1,2-Dichloropropane	E624	ug/kg	895						
78-93-3	2-Butanone	E624	ug/kg	2780000						
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570						
79-01-6	Trichloroethene	E624	ug/kg	1600						
79-20-9	Methyl Acetate	E624	ug/kg	7820000						
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202						
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858						
95-47-6	o-Xylene	E624	ug/kg	NL						
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989						
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35						
98-82-8	Isopropylbenzene	E624	ug/kg	86						
100-01-6	4-Nitroaniline	E625	ug/kg	24300						
100-02-7	4-Nitrophenol	E625	ug/kg	NL						
100-52-7	Benzaldehyde	E625	ug/kg	782000						
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230						
105-60-2	Caprolactam	E625	ug/kg	3060000						
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29						
106-44-5	4-Methylphenol	E625	ug/kg	670						
106-47-8	4-Chloroaniline	E625	ug/kg	2430						
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570						
108-95-2	Phenol	E625	ug/kg	420						
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214						
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300						
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182						
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL						
118-74-1	Hexachlorobenzene	E625	ug/kg	20						
120-12-7	Anthracene	E625	ug/kg	46.9						
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117						
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6						
129-00-0	Pyrene	E625	ug/kg	153						
131-11-3	Dimethylphthalate	E625	ug/kg	NL						
132-64-9	Dibenzofuran	E625	ug/kg	7300						
1912-24-9	Atrazine	E625	ug/kg	6.62						

				sys_loc_code:	C53		C54		C55	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C53 0-12		C54 0-12		C55 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/13/2009		07/13/2009		07/13/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170						
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17						
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148						
206-44-0	Fluoranthene	E625	ug/kg	113						
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240						
208-96-8	Acenaphthylene	E625	ug/kg	5.87						
218-01-9	Chrysene	E625	ug/kg	108						
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8						
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200						
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611						
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22						
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8						
58-90-2	Chlorophenols	E625	ug/kg	284						
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000						
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120						
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4						
67-72-1	Hexachloroethane	E625	ug/kg	804						
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL						
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139						
78-59-1	Isophorone	E625	ug/kg	511000						
83-32-9	Acenaphthene	E625	ug/kg	6.71						
84-66-2	Diethylphthalate	E625	ug/kg	218						
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160						
85-01-8	Phenanthrene	E625	ug/kg	86.7						
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800						
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100						
86-73-7	Fluorene	E625	ug/kg	19						
86-74-8	Carbazole	E625	ug/kg	NL						
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110						
87-86-5	Pentachlorophenol	E625	ug/kg	2970						
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650						
88-74-4	2-Nitroaniline	E625	ug/kg	60600						
88-75-5	2-Nitrophenol	E625	ug/kg	NL						

				sys_loc_code:	C53		C54		C55	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C53 0-12		C54 0-12		C55 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/13/2009		07/13/2009		07/13/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
91-20-3	Naphthalene	E625	ug/kg	34.6						
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2						
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000						
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080						
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220						
95-48-7	2-Methylphenol	E625	ug/kg	306000						
95-57-8	2-Chlorophenol	E625	ug/kg	344						
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830						
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819						
98-86-2	Acetophenone	E625	ug/kg	782000						
98-95-3	Nitrobenzene	E625	ug/kg	4790						
99-09-2	3-Nitroaniline	E625	ug/kg	NL						

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					sys_loc_code:	C56		C62		C63	
					loc_name:	Area-11		Area-11		Area-11	
					sys_sample_code:	C56 0-12		C62 0-12		C63 0-12	
					depth:	0-12 in		0-12 in		0-12 in	
					sample_date:	07/13/2009		07/10/2009		07/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED							
7429-90-5	Aluminum	E200.7	mg/kg	7740		1430		2570		1970	
7440-38-2	Arsenic	E200.7	mg/kg	0.389		5.5	J				
7440-70-2	Calcium	E200.7	mg/kg	NL		2970		5000		382	J
7440-50-8	Copper	E200.7	mg/kg	18.7		42.8	J				
7439-89-6	Iron	E200.7	mg/kg	2000		8350	J	24600	J	13000	
7439-92-1	Lead	E200.7	mg/kg	30.2		23					
7439-95-4	Magnesium	E200.7	mg/kg	NL		650		893	J	621	
7439-96-5	Manganese	E200.7	mg/kg	183		35					
7440-09-7	Potassium	E200.7	mg/kg	NL		238	J	375	J	583	U
7440-23-5	Sodium	E200.7	mg/kg	NL		1790		1560		1330	
7440-66-6	Zinc	E200.7	mg/kg	124		88.5	J				
7440-36-0	Antimony	E200.8	mg/kg	2		1.2	U	1.2	U	1.2	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389				11.8	J	11.6	J
7440-39-3	Barium	E200.8	mg/kg	130.1		6	UJ	4.5	J	5.8	UJ
7440-41-7	Beryllium	E200.8	mg/kg	15.6		0.3	U	0.34		0.37	
7440-43-9	Cadmium	E200.8	mg/kg	0.68		0.33		0.3		0.29	
7440-47-3	Chromium	E200.8	mg/kg	52.3		9.4	J	13.8	J	16.6	
7440-48-4	Cobalt	E200.8	mg/kg	2.34		1.6	J	3.4		2.2	
7440-50-8	Copper	E200.8	mg/kg	18.7				22		19	
7439-92-1	Lead	E200.8	mg/kg	30.2				20.7	J	15	
7439-96-5	Manganese	E200.8	mg/kg	183				63.7	J	43.9	
7440-02-0	Nickel	E200.8	mg/kg	15.9		4.4	J	9		9.2	
7782-49-2	Selenium	E200.8	mg/kg	2		0.36	J	0.65		1.3	
7440-22-4	Silver	E200.8	mg/kg	0.73		0.35	J	0.3	U	0.29	U
7440-28-0	Thallium	E200.8	mg/kg	100000		0.6	U	0.59	U	0.58	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548		13.7	J	26	J	33.1	J
7440-66-6	Zinc	E200.8	mg/kg	124				70.1		60.6	
7439-97-6	Mercury	E245.5	mg/kg	0.13		0.16		0.17		0.15	
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6							
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357							
309-00-2	Aldrin	CPEST	ug/kg	2							
319-84-6	Alpha-Bhc	CPEST	ug/kg	3							
319-85-7	Beta-Bhc	CPEST	ug/kg	3							

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				sys_loc_code:	C56		C62		C63	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C56 0-12		C62 0-12		C63 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/13/2009		07/10/2009		07/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
319-86-8	Delta-Bhc	CPEST	ug/kg	3						
33213-65-9	Endosulfan II	CPEST	ug/kg	14						
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19						
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7						
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7						
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL						
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32						
60-57-1	Dieldrin	CPEST	ug/kg	0.72						
72-20-8	Endrin	CPEST	ug/kg	2.67						
72-43-5	Methoxychlor	CPEST	ug/kg	29.6						
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22						
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07						
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL						
76-44-8	Heptachlor	CPEST	ug/kg	68						
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1						
959-98-8	Endosulfan I	CPEST	ug/kg	2.9						
11096-82-5	Aroclor 1260	E608	ug/kg	21.6						
11097-69-1	Aroclor 1254	E608	ug/kg	23						
11100-14-4	Aroclor 1268	E608	ug/kg	21.6						
11104-28-2	Aroclor 1221	E608	ug/kg	21.6						
11141-16-5	Aroclor 1232	E608	ug/kg	21.6						
12672-29-6	Aroclor 1248	E608	ug/kg	21.6						
12674-11-2	Aroclor 1016	E608	ug/kg	21.6						
37324-23-5	Aroclor 1262	E608	ug/kg	21.6						
53469-21-9	Aroclor 1242	E608	ug/kg	21.6						
100-41-4	Ethylbenzene	E624	ug/kg	305						
100-42-5	Styrene	E624	ug/kg	7070						
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL						
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL						
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460						
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7						
107-06-2	1,2-Dichloroethane	E624	ug/kg	432						
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000						

				sys_loc_code:	C56		C62		C63	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C56 0-12		C62 0-12		C63 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/13/2009		07/10/2009		07/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
108-87-2	Methylcyclohexane	E624	ug/kg	NL						
108-88-3	Toluene	E624	ug/kg	1090						
108-90-7	Chlorobenzene	E624	ug/kg	162						
110-82-7	Cyclohexane	E624	ug/kg	117000						
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473						
123-91-1	1,4-Dioxane	E624	ug/kg	44100						
124-48-1	Dibromochloromethane	E624	ug/kg	680						
127-18-4	Tetrachloroethene	E624	ug/kg	190						
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200						
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300						
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300						
179601-23-1	m,p-Xylene	E624	ug/kg	NL						
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842						
56-23-5	Carbon tetrachloride	E624	ug/kg	248						
591-78-6	2-Hexanone	E624	ug/kg	20900						
67-64-1	Acetone	E624	ug/kg	6130000						
67-66-3	Chloroform	E624	ug/kg	295						
71-43-2	Benzene	E624	ug/kg	137						
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856						
74-83-9	Bromomethane	E624	ug/kg	732						
74-87-3	Chloromethane	E624	ug/kg	11900						
74-97-5	Bromochloromethane	E624	ug/kg	NL						
75-00-3	Chloroethane	E624	ug/kg	1450000						
75-01-4	Vinyl Chloride	E624	ug/kg	59.7						
75-09-2	Methylene chloride	E624	ug/kg	10700						
75-15-0	Carbon Disulfide	E624	ug/kg	0.851						
75-25-2	Bromoform	E624	ug/kg	1310						
75-27-4	Bromodichloromethane	E624	ug/kg	273						
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310						
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780						
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700						
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400						
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000						

				sys_loc_code:	C56		C62		C63	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C56 0-12		C62 0-12		C63 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/13/2009		07/10/2009		07/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
78-87-5	1,2-Dichloropropane	E624	ug/kg	895						
78-93-3	2-Butanone	E624	ug/kg	2780000						
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570						
79-01-6	Trichloroethene	E624	ug/kg	1600						
79-20-9	Methyl Acetate	E624	ug/kg	7820000						
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202						
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858						
95-47-6	o-Xylene	E624	ug/kg	NL						
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989						
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35						
98-82-8	Isopropylbenzene	E624	ug/kg	86						
100-01-6	4-Nitroaniline	E625	ug/kg	24300						
100-02-7	4-Nitrophenol	E625	ug/kg	NL						
100-52-7	Benzaldehyde	E625	ug/kg	782000						
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230						
105-60-2	Caprolactam	E625	ug/kg	3060000						
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29						
106-44-5	4-Methylphenol	E625	ug/kg	670						
106-47-8	4-Chloroaniline	E625	ug/kg	2430						
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570						
108-95-2	Phenol	E625	ug/kg	420						
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214						
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300						
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182						
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL						
118-74-1	Hexachlorobenzene	E625	ug/kg	20						
120-12-7	Anthracene	E625	ug/kg	46.9						
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117						
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6						
129-00-0	Pyrene	E625	ug/kg	153						
131-11-3	Dimethylphthalate	E625	ug/kg	NL						
132-64-9	Dibenzofuran	E625	ug/kg	7300						
1912-24-9	Atrazine	E625	ug/kg	6.62						

				sys_loc_code:	C56		C62		C63	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C56 0-12		C62 0-12		C63 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/13/2009		07/10/2009		07/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170						
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17						
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148						
206-44-0	Fluoranthene	E625	ug/kg	113						
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240						
208-96-8	Acenaphthylene	E625	ug/kg	5.87						
218-01-9	Chrysene	E625	ug/kg	108						
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8						
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200						
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611						
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22						
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8						
58-90-2	Chlorophenols	E625	ug/kg	284						
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000						
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120						
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4						
67-72-1	Hexachloroethane	E625	ug/kg	804						
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL						
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139						
78-59-1	Isophorone	E625	ug/kg	511000						
83-32-9	Acenaphthene	E625	ug/kg	6.71						
84-66-2	Diethylphthalate	E625	ug/kg	218						
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160						
85-01-8	Phenanthrene	E625	ug/kg	86.7						
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800						
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100						
86-73-7	Fluorene	E625	ug/kg	19						
86-74-8	Carbazole	E625	ug/kg	NL						
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110						
87-86-5	Pentachlorophenol	E625	ug/kg	2970						
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650						
88-74-4	2-Nitroaniline	E625	ug/kg	60600						
88-75-5	2-Nitrophenol	E625	ug/kg	NL						

				sys_loc_code:	C56		C62		C63	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C56 0-12		C62 0-12		C63 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/13/2009		07/10/2009		07/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
91-20-3	Naphthalene	E625	ug/kg	34.6						
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2						
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000						
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080						
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220						
95-48-7	2-Methylphenol	E625	ug/kg	306000						
95-57-8	2-Chlorophenol	E625	ug/kg	344						
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830						
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819						
98-86-2	Acetophenone	E625	ug/kg	782000						
98-95-3	Nitrobenzene	E625	ug/kg	4790						
99-09-2	3-Nitroaniline	E625	ug/kg	NL						

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					sys_loc_code:	C64		C69		C70	
					loc_name:	Area-11		Area-11		Area-11	
					sys_sample_code:	C64 0-12		C69 0-12		C70 0-12	
					depth:	0-12 in		0-12 in		0-12 in	
					sample_date:	07/23/2009		07/10/2009		07/10/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED							
7429-90-5	Aluminum	E200.7	mg/kg	7740	1960		1620				
7440-38-2	Arsenic	E200.7	mg/kg	0.389							
7440-70-2	Calcium	E200.7	mg/kg	NL	5170		1360	R			
7440-50-8	Copper	E200.7	mg/kg	18.7							
7439-89-6	Iron	E200.7	mg/kg	2000	21300		10400	J			
7439-92-1	Lead	E200.7	mg/kg	30.2							
7439-95-4	Magnesium	E200.7	mg/kg	NL	583	J	508	J			
7439-96-5	Manganese	E200.7	mg/kg	183							
7440-09-7	Potassium	E200.7	mg/kg	NL	585	U	298	J			
7440-23-5	Sodium	E200.7	mg/kg	NL	1200		899				
7440-66-6	Zinc	E200.7	mg/kg	124							
7440-36-0	Antimony	E200.8	mg/kg	2	1.2	U	1.2	U	1.4		
7440-38-2	Arsenic	E200.8	mg/kg	0.389	10.6	J	7.8	J	15.4	J	
7440-39-3	Barium	E200.8	mg/kg	130.1	5.8	UJ	2.4	J	11.7	J	
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.37		0.27	J	0.39	J	
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.33		0.2	J	0.42		
7440-47-3	Chromium	E200.8	mg/kg	52.3	23.3		11.1	J	19.5	J	
7440-48-4	Cobalt	E200.8	mg/kg	2.34	2.1		1.8		3.2		
7440-50-8	Copper	E200.8	mg/kg	18.7	15.9		12.2		53.2		
7439-92-1	Lead	E200.8	mg/kg	30.2	14.6		20	J	41.4		
7439-96-5	Manganese	E200.8	mg/kg	183	47		34.6		70.8		
7440-02-0	Nickel	E200.8	mg/kg	15.9	6.9		5.2		9.7	J	
7782-49-2	Selenium	E200.8	mg/kg	2	0.68		0.43	J	0.98		
7440-22-4	Silver	E200.8	mg/kg	0.73	0.29	U	0.3	U	0.42		
7440-28-0	Thallium	E200.8	mg/kg	100000	0.58	U	0.6	U	0.66	U	
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	30.9	J	19.3	J	22.3	J	
7440-66-6	Zinc	E200.8	mg/kg	124	70.3		50.4		80.9		
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.11		0.11		0.48		
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6							
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357							
309-00-2	Aldrin	CPEST	ug/kg	2							
319-84-6	Alpha-Bhc	CPEST	ug/kg	3							
319-85-7	Beta-Bhc	CPEST	ug/kg	3							

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				sys_loc_code:	C64		C69		C70	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C64 0-12		C69 0-12		C70 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/23/2009		07/10/2009		07/10/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
319-86-8	Delta-Bhc	CPEST	ug/kg	3						
33213-65-9	Endosulfan II	CPEST	ug/kg	14						
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19						
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7						
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7						
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL						
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32						
60-57-1	Dieldrin	CPEST	ug/kg	0.72						
72-20-8	Endrin	CPEST	ug/kg	2.67						
72-43-5	Methoxychlor	CPEST	ug/kg	29.6						
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22						
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07						
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL						
76-44-8	Heptachlor	CPEST	ug/kg	68						
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1						
959-98-8	Endosulfan I	CPEST	ug/kg	2.9						
11096-82-5	Aroclor 1260	E608	ug/kg	21.6						
11097-69-1	Aroclor 1254	E608	ug/kg	23						
11100-14-4	Aroclor 1268	E608	ug/kg	21.6						
11104-28-2	Aroclor 1221	E608	ug/kg	21.6						
11141-16-5	Aroclor 1232	E608	ug/kg	21.6						
12672-29-6	Aroclor 1248	E608	ug/kg	21.6						
12674-11-2	Aroclor 1016	E608	ug/kg	21.6						
37324-23-5	Aroclor 1262	E608	ug/kg	21.6						
53469-21-9	Aroclor 1242	E608	ug/kg	21.6						
100-41-4	Ethylbenzene	E624	ug/kg	305						
100-42-5	Styrene	E624	ug/kg	7070						
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL						
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL						
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460						
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7						
107-06-2	1,2-Dichloroethane	E624	ug/kg	432						
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000						

				sys_loc_code:	C64		C69		C70	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C64 0-12		C69 0-12		C70 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/23/2009		07/10/2009		07/10/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
108-87-2	Methylcyclohexane	E624	ug/kg	NL						
108-88-3	Toluene	E624	ug/kg	1090						
108-90-7	Chlorobenzene	E624	ug/kg	162						
110-82-7	Cyclohexane	E624	ug/kg	117000						
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473						
123-91-1	1,4-Dioxane	E624	ug/kg	44100						
124-48-1	Dibromochloromethane	E624	ug/kg	680						
127-18-4	Tetrachloroethene	E624	ug/kg	190						
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200						
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300						
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300						
179601-23-1	m,p-Xylene	E624	ug/kg	NL						
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842						
56-23-5	Carbon tetrachloride	E624	ug/kg	248						
591-78-6	2-Hexanone	E624	ug/kg	20900						
67-64-1	Acetone	E624	ug/kg	6130000						
67-66-3	Chloroform	E624	ug/kg	295						
71-43-2	Benzene	E624	ug/kg	137						
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856						
74-83-9	Bromomethane	E624	ug/kg	732						
74-87-3	Chloromethane	E624	ug/kg	11900						
74-97-5	Bromochloromethane	E624	ug/kg	NL						
75-00-3	Chloroethane	E624	ug/kg	1450000						
75-01-4	Vinyl Chloride	E624	ug/kg	59.7						
75-09-2	Methylene chloride	E624	ug/kg	10700						
75-15-0	Carbon Disulfide	E624	ug/kg	0.851						
75-25-2	Bromoform	E624	ug/kg	1310						
75-27-4	Bromodichloromethane	E624	ug/kg	273						
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310						
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780						
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700						
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400						
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000						

				sys_loc_code:	C64		C69		C70	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C64 0-12		C69 0-12		C70 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/23/2009		07/10/2009		07/10/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
78-87-5	1,2-Dichloropropane	E624	ug/kg	895						
78-93-3	2-Butanone	E624	ug/kg	2780000						
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570						
79-01-6	Trichloroethene	E624	ug/kg	1600						
79-20-9	Methyl Acetate	E624	ug/kg	7820000						
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202						
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858						
95-47-6	o-Xylene	E624	ug/kg	NL						
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989						
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35						
98-82-8	Isopropylbenzene	E624	ug/kg	86						
100-01-6	4-Nitroaniline	E625	ug/kg	24300						
100-02-7	4-Nitrophenol	E625	ug/kg	NL						
100-52-7	Benzaldehyde	E625	ug/kg	782000						
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230						
105-60-2	Caprolactam	E625	ug/kg	3060000						
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29						
106-44-5	4-Methylphenol	E625	ug/kg	670						
106-47-8	4-Chloroaniline	E625	ug/kg	2430						
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570						
108-95-2	Phenol	E625	ug/kg	420						
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214						
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300						
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182						
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL						
118-74-1	Hexachlorobenzene	E625	ug/kg	20						
120-12-7	Anthracene	E625	ug/kg	46.9						
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117						
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6						
129-00-0	Pyrene	E625	ug/kg	153						
131-11-3	Dimethylphthalate	E625	ug/kg	NL						
132-64-9	Dibenzofuran	E625	ug/kg	7300						
1912-24-9	Atrazine	E625	ug/kg	6.62						

				sys_loc_code:	C64		C69		C70	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C64 0-12		C69 0-12		C70 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/23/2009		07/10/2009		07/10/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170						
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17						
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148						
206-44-0	Fluoranthene	E625	ug/kg	113						
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240						
208-96-8	Acenaphthylene	E625	ug/kg	5.87						
218-01-9	Chrysene	E625	ug/kg	108						
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8						
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200						
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611						
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22						
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8						
58-90-2	Chlorophenols	E625	ug/kg	284						
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000						
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120						
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4						
67-72-1	Hexachloroethane	E625	ug/kg	804						
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL						
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139						
78-59-1	Isophorone	E625	ug/kg	511000						
83-32-9	Acenaphthene	E625	ug/kg	6.71						
84-66-2	Diethylphthalate	E625	ug/kg	218						
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160						
85-01-8	Phenanthrene	E625	ug/kg	86.7						
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800						
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100						
86-73-7	Fluorene	E625	ug/kg	19						
86-74-8	Carbazole	E625	ug/kg	NL						
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110						
87-86-5	Pentachlorophenol	E625	ug/kg	2970						
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650						
88-74-4	2-Nitroaniline	E625	ug/kg	60600						
88-75-5	2-Nitrophenol	E625	ug/kg	NL						

				sys_loc_code:	C64		C69		C70	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C64 0-12		C69 0-12		C70 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/23/2009		07/10/2009		07/10/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
91-20-3	Naphthalene	E625	ug/kg	34.6						
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2						
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000						
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080						
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220						
95-48-7	2-Methylphenol	E625	ug/kg	306000						
95-57-8	2-Chlorophenol	E625	ug/kg	344						
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830						
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819						
98-86-2	Acetophenone	E625	ug/kg	782000						
98-95-3	Nitrobenzene	E625	ug/kg	4790						
99-09-2	3-Nitroaniline	E625	ug/kg	NL						

				sys_loc_code:	C71			C72			C73	
				loc_name:	Area-11			Area-11			Area-11	
				sys_sample_code:	C71 0-12			C72 0-12			C73 0-12	
				depth:	0-12 in			0-12 in			0-12 in	
				sample_date:	07/10/2009			07/10/2009			07/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
7429-90-5	Aluminum	E200.7	mg/kg	7740	3840			2980			1600	
7440-38-2	Arsenic	E200.7	mg/kg	0.389								
7440-70-2	Calcium	E200.7	mg/kg	NL	913	J		1550	R		1230	
7440-50-8	Copper	E200.7	mg/kg	18.7								
7439-89-6	Iron	E200.7	mg/kg	2000	13400	J		18200	J		11000	
7439-92-1	Lead	E200.7	mg/kg	30.2								
7439-95-4	Magnesium	E200.7	mg/kg	NL	1450			789			555	J
7439-96-5	Manganese	E200.7	mg/kg	183								
7440-09-7	Potassium	E200.7	mg/kg	NL	764			405	J		599	U
7440-23-5	Sodium	E200.7	mg/kg	NL	2140			1580			1470	
7440-66-6	Zinc	E200.7	mg/kg	124								
7440-36-0	Antimony	E200.8	mg/kg	2	1.3	U		1.2	U		1.2	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389	15	J		9.2	J		8.5	J
7440-39-3	Barium	E200.8	mg/kg	130.1	10.6	J		2.9	J		6	UJ
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.32	J		0.28	J		0.32	
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.33	J		0.31			0.3	U
7440-47-3	Chromium	E200.8	mg/kg	52.3	23.1	J		11.6	J		13.6	
7440-48-4	Cobalt	E200.8	mg/kg	2.34	2.3			1.9			2.1	
7440-50-8	Copper	E200.8	mg/kg	18.7	40.9			16.4			14	
7439-92-1	Lead	E200.8	mg/kg	30.2	35.9			15	J		14.3	
7439-96-5	Manganese	E200.8	mg/kg	183	59.8	J		44.2			46.1	
7440-02-0	Nickel	E200.8	mg/kg	15.9	7.3			6			5.2	
7782-49-2	Selenium	E200.8	mg/kg	2	1			0.54	J		0.6	U
7440-22-4	Silver	E200.8	mg/kg	0.73	0.43			0.3	U		0.3	U
7440-28-0	Thallium	E200.8	mg/kg	100000	0.67	U		0.61	U		0.6	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	26	J		21.4	J		26.7	J
7440-66-6	Zinc	E200.8	mg/kg	124	79.5	J		58.9			58	
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.39	J		0.13			0.12	
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6								
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357								
309-00-2	Aldrin	CPEST	ug/kg	2								
319-84-6	Alpha-Bhc	CPEST	ug/kg	3								
319-85-7	Beta-Bhc	CPEST	ug/kg	3								

				sys_loc_code:	C71		C72		C73	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C71 0-12		C72 0-12		C73 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/10/2009		07/10/2009		07/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
319-86-8	Delta-Bhc	CPEST	ug/kg	3						
33213-65-9	Endosulfan II	CPEST	ug/kg	14						
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19						
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7						
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7						
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL						
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32						
60-57-1	Dieldrin	CPEST	ug/kg	0.72						
72-20-8	Endrin	CPEST	ug/kg	2.67						
72-43-5	Methoxychlor	CPEST	ug/kg	29.6						
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22						
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07						
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL						
76-44-8	Heptachlor	CPEST	ug/kg	68						
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1						
959-98-8	Endosulfan I	CPEST	ug/kg	2.9						
11096-82-5	Aroclor 1260	E608	ug/kg	21.6						
11097-69-1	Aroclor 1254	E608	ug/kg	23						
11100-14-4	Aroclor 1268	E608	ug/kg	21.6						
11104-28-2	Aroclor 1221	E608	ug/kg	21.6						
11141-16-5	Aroclor 1232	E608	ug/kg	21.6						
12672-29-6	Aroclor 1248	E608	ug/kg	21.6						
12674-11-2	Aroclor 1016	E608	ug/kg	21.6						
37324-23-5	Aroclor 1262	E608	ug/kg	21.6						
53469-21-9	Aroclor 1242	E608	ug/kg	21.6						
100-41-4	Ethylbenzene	E624	ug/kg	305						
100-42-5	Styrene	E624	ug/kg	7070						
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL						
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL						
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460						
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7						
107-06-2	1,2-Dichloroethane	E624	ug/kg	432						
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000						

				sys_loc_code:	C71		C72		C73	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C71 0-12		C72 0-12		C73 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/10/2009		07/10/2009		07/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
108-87-2	Methylcyclohexane	E624	ug/kg	NL						
108-88-3	Toluene	E624	ug/kg	1090						
108-90-7	Chlorobenzene	E624	ug/kg	162						
110-82-7	Cyclohexane	E624	ug/kg	117000						
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473						
123-91-1	1,4-Dioxane	E624	ug/kg	44100						
124-48-1	Dibromochloromethane	E624	ug/kg	680						
127-18-4	Tetrachloroethene	E624	ug/kg	190						
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200						
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300						
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300						
179601-23-1	m,p-Xylene	E624	ug/kg	NL						
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842						
56-23-5	Carbon tetrachloride	E624	ug/kg	248						
591-78-6	2-Hexanone	E624	ug/kg	20900						
67-64-1	Acetone	E624	ug/kg	6130000						
67-66-3	Chloroform	E624	ug/kg	295						
71-43-2	Benzene	E624	ug/kg	137						
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856						
74-83-9	Bromomethane	E624	ug/kg	732						
74-87-3	Chloromethane	E624	ug/kg	11900						
74-97-5	Bromochloromethane	E624	ug/kg	NL						
75-00-3	Chloroethane	E624	ug/kg	1450000						
75-01-4	Vinyl Chloride	E624	ug/kg	59.7						
75-09-2	Methylene chloride	E624	ug/kg	10700						
75-15-0	Carbon Disulfide	E624	ug/kg	0.851						
75-25-2	Bromoform	E624	ug/kg	1310						
75-27-4	Bromodichloromethane	E624	ug/kg	273						
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310						
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780						
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700						
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400						
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000						

				sys_loc_code:	C71		C72		C73	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C71 0-12		C72 0-12		C73 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/10/2009		07/10/2009		07/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
78-87-5	1,2-Dichloropropane	E624	ug/kg	895						
78-93-3	2-Butanone	E624	ug/kg	2780000						
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570						
79-01-6	Trichloroethene	E624	ug/kg	1600						
79-20-9	Methyl Acetate	E624	ug/kg	7820000						
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202						
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858						
95-47-6	o-Xylene	E624	ug/kg	NL						
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989						
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35						
98-82-8	Isopropylbenzene	E624	ug/kg	86						
100-01-6	4-Nitroaniline	E625	ug/kg	24300						
100-02-7	4-Nitrophenol	E625	ug/kg	NL						
100-52-7	Benzaldehyde	E625	ug/kg	782000						
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230						
105-60-2	Caprolactam	E625	ug/kg	3060000						
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29						
106-44-5	4-Methylphenol	E625	ug/kg	670						
106-47-8	4-Chloroaniline	E625	ug/kg	2430						
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570						
108-95-2	Phenol	E625	ug/kg	420						
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214						
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300						
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182						
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL						
118-74-1	Hexachlorobenzene	E625	ug/kg	20						
120-12-7	Anthracene	E625	ug/kg	46.9						
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117						
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6						
129-00-0	Pyrene	E625	ug/kg	153						
131-11-3	Dimethylphthalate	E625	ug/kg	NL						
132-64-9	Dibenzofuran	E625	ug/kg	7300						
1912-24-9	Atrazine	E625	ug/kg	6.62						

				sys_loc_code:	C71		C72		C73	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C71 0-12		C72 0-12		C73 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/10/2009		07/10/2009		07/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170						
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17						
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148						
206-44-0	Fluoranthene	E625	ug/kg	113						
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240						
208-96-8	Acenaphthylene	E625	ug/kg	5.87						
218-01-9	Chrysene	E625	ug/kg	108						
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8						
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200						
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611						
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22						
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8						
58-90-2	Chlorophenols	E625	ug/kg	284						
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000						
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120						
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4						
67-72-1	Hexachloroethane	E625	ug/kg	804						
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL						
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139						
78-59-1	Isophorone	E625	ug/kg	511000						
83-32-9	Acenaphthene	E625	ug/kg	6.71						
84-66-2	Diethylphthalate	E625	ug/kg	218						
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160						
85-01-8	Phenanthrene	E625	ug/kg	86.7						
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800						
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100						
86-73-7	Fluorene	E625	ug/kg	19						
86-74-8	Carbazole	E625	ug/kg	NL						
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110						
87-86-5	Pentachlorophenol	E625	ug/kg	2970						
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650						
88-74-4	2-Nitroaniline	E625	ug/kg	60600						
88-75-5	2-Nitrophenol	E625	ug/kg	NL						

				sys_loc_code:	C71		C72		C73	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C71 0-12		C72 0-12		C73 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/10/2009		07/10/2009		07/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
91-20-3	Naphthalene	E625	ug/kg	34.6						
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2						
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000						
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080						
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220						
95-48-7	2-Methylphenol	E625	ug/kg	306000						
95-57-8	2-Chlorophenol	E625	ug/kg	344						
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830						
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819						
98-86-2	Acetophenone	E625	ug/kg	782000						
98-95-3	Nitrobenzene	E625	ug/kg	4790						
99-09-2	3-Nitroaniline	E625	ug/kg	NL						

				sys_loc_code:	C74			C75		C76	
				loc_name:	Area-11			Area-11		Area-11	
				sys_sample_code:	C74 0-12			C75 0-12		C76 0-12	
				depth:	0-12 in			0-12 in		0-12 in	
				sample_date:	07/23/2009			07/23/2009		07/10/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED							
7429-90-5	Aluminum	E200.7	mg/kg	7740	1570			2640		3110	J
7440-38-2	Arsenic	E200.7	mg/kg	0.389							
7440-70-2	Calcium	E200.7	mg/kg	NL	1020			10100		1440	J
7440-50-8	Copper	E200.7	mg/kg	18.7							
7439-89-6	Iron	E200.7	mg/kg	2000	7420			11900		8460	J
7439-92-1	Lead	E200.7	mg/kg	30.2							
7439-95-4	Magnesium	E200.7	mg/kg	NL	442	J		888		897	J
7439-96-5	Manganese	E200.7	mg/kg	183							
7440-09-7	Potassium	E200.7	mg/kg	NL	623	U		621	U	646	UJ
7440-23-5	Sodium	E200.7	mg/kg	NL	735			1130		592	J
7440-66-6	Zinc	E200.7	mg/kg	124							
7440-36-0	Antimony	E200.8	mg/kg	2	1.2	U		1.2	U	1.3	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389	4.8	J		12.2	J	15.8	J
7440-39-3	Barium	E200.8	mg/kg	130.1	6.2	UJ		14.5	J	12.7	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.31	U		0.31	U	0.44	
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.37			0.48		0.74	
7440-47-3	Chromium	E200.8	mg/kg	52.3	10.1			14.4		20.8	
7440-48-4	Cobalt	E200.8	mg/kg	2.34	1.3			1.8		6.3	
7440-50-8	Copper	E200.8	mg/kg	18.7	27.8			53.2		70.3	
7439-92-1	Lead	E200.8	mg/kg	30.2	21.1			34.1		72.1	
7439-96-5	Manganese	E200.8	mg/kg	183	19.3			37.3		77.6	
7440-02-0	Nickel	E200.8	mg/kg	15.9	4.3			7.3		15.5	
7782-49-2	Selenium	E200.8	mg/kg	2	0.62	U		0.63		1.1	
7440-22-4	Silver	E200.8	mg/kg	0.73	0.32			0.71		0.55	J
7440-28-0	Thallium	E200.8	mg/kg	100000	0.62	U		0.62	U	0.65	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	14.8	J		17.6	J	21.5	
7440-66-6	Zinc	E200.8	mg/kg	124	60.8			80.6		99.1	
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.17			0.25		0.45	
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6							
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357							
309-00-2	Aldrin	CPEST	ug/kg	2							
319-84-6	Alpha-Bhc	CPEST	ug/kg	3							
319-85-7	Beta-Bhc	CPEST	ug/kg	3							

				sys_loc_code:	C74		C75		C76	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C74 0-12		C75 0-12		C76 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/23/2009		07/23/2009		07/10/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
319-86-8	Delta-Bhc	CPEST	ug/kg	3						
33213-65-9	Endosulfan II	CPEST	ug/kg	14						
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19						
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7						
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7						
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL						
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32						
60-57-1	Dieldrin	CPEST	ug/kg	0.72						
72-20-8	Endrin	CPEST	ug/kg	2.67						
72-43-5	Methoxychlor	CPEST	ug/kg	29.6						
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22						
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07						
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL						
76-44-8	Heptachlor	CPEST	ug/kg	68						
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1						
959-98-8	Endosulfan I	CPEST	ug/kg	2.9						
11096-82-5	Aroclor 1260	E608	ug/kg	21.6						
11097-69-1	Aroclor 1254	E608	ug/kg	23						
11100-14-4	Aroclor 1268	E608	ug/kg	21.6						
11104-28-2	Aroclor 1221	E608	ug/kg	21.6						
11141-16-5	Aroclor 1232	E608	ug/kg	21.6						
12672-29-6	Aroclor 1248	E608	ug/kg	21.6						
12674-11-2	Aroclor 1016	E608	ug/kg	21.6						
37324-23-5	Aroclor 1262	E608	ug/kg	21.6						
53469-21-9	Aroclor 1242	E608	ug/kg	21.6						
100-41-4	Ethylbenzene	E624	ug/kg	305						
100-42-5	Styrene	E624	ug/kg	7070						
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL						
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL						
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460						
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7						
107-06-2	1,2-Dichloroethane	E624	ug/kg	432						
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000						

				sys_loc_code:	C74		C75		C76	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C74 0-12		C75 0-12		C76 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/23/2009		07/23/2009		07/10/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
108-87-2	Methylcyclohexane	E624	ug/kg	NL						
108-88-3	Toluene	E624	ug/kg	1090						
108-90-7	Chlorobenzene	E624	ug/kg	162						
110-82-7	Cyclohexane	E624	ug/kg	117000						
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473						
123-91-1	1,4-Dioxane	E624	ug/kg	44100						
124-48-1	Dibromochloromethane	E624	ug/kg	680						
127-18-4	Tetrachloroethene	E624	ug/kg	190						
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200						
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300						
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300						
179601-23-1	m,p-Xylene	E624	ug/kg	NL						
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842						
56-23-5	Carbon tetrachloride	E624	ug/kg	248						
591-78-6	2-Hexanone	E624	ug/kg	20900						
67-64-1	Acetone	E624	ug/kg	6130000						
67-66-3	Chloroform	E624	ug/kg	295						
71-43-2	Benzene	E624	ug/kg	137						
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856						
74-83-9	Bromomethane	E624	ug/kg	732						
74-87-3	Chloromethane	E624	ug/kg	11900						
74-97-5	Bromochloromethane	E624	ug/kg	NL						
75-00-3	Chloroethane	E624	ug/kg	1450000						
75-01-4	Vinyl Chloride	E624	ug/kg	59.7						
75-09-2	Methylene chloride	E624	ug/kg	10700						
75-15-0	Carbon Disulfide	E624	ug/kg	0.851						
75-25-2	Bromoform	E624	ug/kg	1310						
75-27-4	Bromodichloromethane	E624	ug/kg	273						
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310						
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780						
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700						
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400						
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000						

				sys_loc_code:	C74		C75		C76	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C74 0-12		C75 0-12		C76 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/23/2009		07/23/2009		07/10/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
78-87-5	1,2-Dichloropropane	E624	ug/kg	895						
78-93-3	2-Butanone	E624	ug/kg	2780000						
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570						
79-01-6	Trichloroethene	E624	ug/kg	1600						
79-20-9	Methyl Acetate	E624	ug/kg	7820000						
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202						
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858						
95-47-6	o-Xylene	E624	ug/kg	NL						
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989						
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35						
98-82-8	Isopropylbenzene	E624	ug/kg	86						
100-01-6	4-Nitroaniline	E625	ug/kg	24300						
100-02-7	4-Nitrophenol	E625	ug/kg	NL						
100-52-7	Benzaldehyde	E625	ug/kg	782000						
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230						
105-60-2	Caprolactam	E625	ug/kg	3060000						
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29						
106-44-5	4-Methylphenol	E625	ug/kg	670						
106-47-8	4-Chloroaniline	E625	ug/kg	2430						
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570						
108-95-2	Phenol	E625	ug/kg	420						
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214						
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300						
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182						
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL						
118-74-1	Hexachlorobenzene	E625	ug/kg	20						
120-12-7	Anthracene	E625	ug/kg	46.9						
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117						
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6						
129-00-0	Pyrene	E625	ug/kg	153						
131-11-3	Dimethylphthalate	E625	ug/kg	NL						
132-64-9	Dibenzofuran	E625	ug/kg	7300						
1912-24-9	Atrazine	E625	ug/kg	6.62						

				sys_loc_code:	C74		C75		C76	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C74 0-12		C75 0-12		C76 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/23/2009		07/23/2009		07/10/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170						
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17						
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148						
206-44-0	Fluoranthene	E625	ug/kg	113						
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240						
208-96-8	Acenaphthylene	E625	ug/kg	5.87						
218-01-9	Chrysene	E625	ug/kg	108						
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8						
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200						
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611						
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22						
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8						
58-90-2	Chlorophenols	E625	ug/kg	284						
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000						
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120						
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4						
67-72-1	Hexachloroethane	E625	ug/kg	804						
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL						
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139						
78-59-1	Isophorone	E625	ug/kg	511000						
83-32-9	Acenaphthene	E625	ug/kg	6.71						
84-66-2	Diethylphthalate	E625	ug/kg	218						
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160						
85-01-8	Phenanthrene	E625	ug/kg	86.7						
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800						
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100						
86-73-7	Fluorene	E625	ug/kg	19						
86-74-8	Carbazole	E625	ug/kg	NL						
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110						
87-86-5	Pentachlorophenol	E625	ug/kg	2970						
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650						
88-74-4	2-Nitroaniline	E625	ug/kg	60600						
88-75-5	2-Nitrophenol	E625	ug/kg	NL						

				sys_loc_code:	C74		C75		C76	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C74 0-12		C75 0-12		C76 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/23/2009		07/23/2009		07/10/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
91-20-3	Naphthalene	E625	ug/kg	34.6						
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2						
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000						
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080						
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220						
95-48-7	2-Methylphenol	E625	ug/kg	306000						
95-57-8	2-Chlorophenol	E625	ug/kg	344						
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830						
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819						
98-86-2	Acetophenone	E625	ug/kg	782000						
98-95-3	Nitrobenzene	E625	ug/kg	4790						
99-09-2	3-Nitroaniline	E625	ug/kg	NL						

				sys_loc_code:	C79			C80		C81	
				loc_name:	Area-11			Area-11		Area-11	
				sys_sample_code:	C79 0-12			C80 0-12		C81 0-12	
				depth:	0-12 in			0-12 in		0-12 in	
				sample_date:	07/13/2009			07/13/2009		07/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED							
7429-90-5	Aluminum	E200.7	mg/kg	7740	3140			1550		1870	J
7440-38-2	Arsenic	E200.7	mg/kg	0.389	11.2			8.6			
7440-70-2	Calcium	E200.7	mg/kg	NL	13300			1840		7160	
7440-50-8	Copper	E200.7	mg/kg	18.7							
7439-89-6	Iron	E200.7	mg/kg	2000	35700			14900		16200	J
7439-92-1	Lead	E200.7	mg/kg	30.2	9.4			13.3			
7439-95-4	Magnesium	E200.7	mg/kg	NL	909			540	J	579	
7439-96-5	Manganese	E200.7	mg/kg	183	53.9			53.9			
7440-09-7	Potassium	E200.7	mg/kg	NL	383	J		225	J	566	U
7440-23-5	Sodium	E200.7	mg/kg	NL	1500			1450		1050	
7440-66-6	Zinc	E200.7	mg/kg	124	49.2			67.3			
7440-36-0	Antimony	E200.8	mg/kg	2	1.2	U		1.2	U		
7440-38-2	Arsenic	E200.8	mg/kg	0.389							
7440-39-3	Barium	E200.8	mg/kg	130.1	4.1	J		1.8	J		
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.44			0.41			
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.29	U		0.3	U		
7440-47-3	Chromium	E200.8	mg/kg	52.3	13.8			12.5			
7440-48-4	Cobalt	E200.8	mg/kg	2.34	2	J		1.6	J		
7440-50-8	Copper	E200.8	mg/kg	18.7	8.8			10.8			
7439-92-1	Lead	E200.8	mg/kg	30.2							
7439-96-5	Manganese	E200.8	mg/kg	183							
7440-02-0	Nickel	E200.8	mg/kg	15.9	6.6	J		3.2	J		
7782-49-2	Selenium	E200.8	mg/kg	2	0.48	J		0.29	J		
7440-22-4	Silver	E200.8	mg/kg	0.73	0.29	UJ		0.3	UJ		
7440-28-0	Thallium	E200.8	mg/kg	100000	0.58	U		0.6	U		
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	24.8	J		19.2	J		
7440-66-6	Zinc	E200.8	mg/kg	124							
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.056			0.092			
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6							
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357							
309-00-2	Aldrin	CPEST	ug/kg	2							
319-84-6	Alpha-Bhc	CPEST	ug/kg	3							
319-85-7	Beta-Bhc	CPEST	ug/kg	3							

				sys_loc_code:	C79		C80		C81	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C79 0-12		C80 0-12		C81 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/13/2009		07/13/2009		07/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
319-86-8	Delta-Bhc	CPEST	ug/kg	3						
33213-65-9	Endosulfan II	CPEST	ug/kg	14						
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19						
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7						
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7						
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL						
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32						
60-57-1	Dieldrin	CPEST	ug/kg	0.72						
72-20-8	Endrin	CPEST	ug/kg	2.67						
72-43-5	Methoxychlor	CPEST	ug/kg	29.6						
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22						
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07						
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL						
76-44-8	Heptachlor	CPEST	ug/kg	68						
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1						
959-98-8	Endosulfan I	CPEST	ug/kg	2.9						
11096-82-5	Aroclor 1260	E608	ug/kg	21.6						
11097-69-1	Aroclor 1254	E608	ug/kg	23						
11100-14-4	Aroclor 1268	E608	ug/kg	21.6						
11104-28-2	Aroclor 1221	E608	ug/kg	21.6						
11141-16-5	Aroclor 1232	E608	ug/kg	21.6						
12672-29-6	Aroclor 1248	E608	ug/kg	21.6						
12674-11-2	Aroclor 1016	E608	ug/kg	21.6						
37324-23-5	Aroclor 1262	E608	ug/kg	21.6						
53469-21-9	Aroclor 1242	E608	ug/kg	21.6						
100-41-4	Ethylbenzene	E624	ug/kg	305						
100-42-5	Styrene	E624	ug/kg	7070						
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL						
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL						
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460						
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7						
107-06-2	1,2-Dichloroethane	E624	ug/kg	432						
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000						

				sys_loc_code:	C79		C80		C81	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C79 0-12		C80 0-12		C81 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/13/2009		07/13/2009		07/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
108-87-2	Methylcyclohexane	E624	ug/kg	NL						
108-88-3	Toluene	E624	ug/kg	1090						
108-90-7	Chlorobenzene	E624	ug/kg	162						
110-82-7	Cyclohexane	E624	ug/kg	117000						
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473						
123-91-1	1,4-Dioxane	E624	ug/kg	44100						
124-48-1	Dibromochloromethane	E624	ug/kg	680						
127-18-4	Tetrachloroethene	E624	ug/kg	190						
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200						
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300						
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300						
179601-23-1	m,p-Xylene	E624	ug/kg	NL						
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842						
56-23-5	Carbon tetrachloride	E624	ug/kg	248						
591-78-6	2-Hexanone	E624	ug/kg	20900						
67-64-1	Acetone	E624	ug/kg	6130000						
67-66-3	Chloroform	E624	ug/kg	295						
71-43-2	Benzene	E624	ug/kg	137						
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856						
74-83-9	Bromomethane	E624	ug/kg	732						
74-87-3	Chloromethane	E624	ug/kg	11900						
74-97-5	Bromochloromethane	E624	ug/kg	NL						
75-00-3	Chloroethane	E624	ug/kg	1450000						
75-01-4	Vinyl Chloride	E624	ug/kg	59.7						
75-09-2	Methylene chloride	E624	ug/kg	10700						
75-15-0	Carbon Disulfide	E624	ug/kg	0.851						
75-25-2	Bromoform	E624	ug/kg	1310						
75-27-4	Bromodichloromethane	E624	ug/kg	273						
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310						
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780						
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700						
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400						
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000						

				sys_loc_code:	C79		C80		C81	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C79 0-12		C80 0-12		C81 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/13/2009		07/13/2009		07/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
78-87-5	1,2-Dichloropropane	E624	ug/kg	895						
78-93-3	2-Butanone	E624	ug/kg	2780000						
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570						
79-01-6	Trichloroethene	E624	ug/kg	1600						
79-20-9	Methyl Acetate	E624	ug/kg	7820000						
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202						
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858						
95-47-6	o-Xylene	E624	ug/kg	NL						
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989						
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35						
98-82-8	Isopropylbenzene	E624	ug/kg	86						
100-01-6	4-Nitroaniline	E625	ug/kg	24300						
100-02-7	4-Nitrophenol	E625	ug/kg	NL						
100-52-7	Benzaldehyde	E625	ug/kg	782000						
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230						
105-60-2	Caprolactam	E625	ug/kg	3060000						
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29						
106-44-5	4-Methylphenol	E625	ug/kg	670						
106-47-8	4-Chloroaniline	E625	ug/kg	2430						
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570						
108-95-2	Phenol	E625	ug/kg	420						
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214						
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300						
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182						
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL						
118-74-1	Hexachlorobenzene	E625	ug/kg	20						
120-12-7	Anthracene	E625	ug/kg	46.9						
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117						
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6						
129-00-0	Pyrene	E625	ug/kg	153						
131-11-3	Dimethylphthalate	E625	ug/kg	NL						
132-64-9	Dibenzofuran	E625	ug/kg	7300						
1912-24-9	Atrazine	E625	ug/kg	6.62						

				sys_loc_code:	C79		C80		C81	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C79 0-12		C80 0-12		C81 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/13/2009		07/13/2009		07/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170						
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17						
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148						
206-44-0	Fluoranthene	E625	ug/kg	113						
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240						
208-96-8	Acenaphthylene	E625	ug/kg	5.87						
218-01-9	Chrysene	E625	ug/kg	108						
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8						
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200						
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611						
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22						
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8						
58-90-2	Chlorophenols	E625	ug/kg	284						
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000						
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120						
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4						
67-72-1	Hexachloroethane	E625	ug/kg	804						
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL						
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139						
78-59-1	Isophorone	E625	ug/kg	511000						
83-32-9	Acenaphthene	E625	ug/kg	6.71						
84-66-2	Diethylphthalate	E625	ug/kg	218						
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160						
85-01-8	Phenanthrene	E625	ug/kg	86.7						
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800						
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100						
86-73-7	Fluorene	E625	ug/kg	19						
86-74-8	Carbazole	E625	ug/kg	NL						
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110						
87-86-5	Pentachlorophenol	E625	ug/kg	2970						
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650						
88-74-4	2-Nitroaniline	E625	ug/kg	60600						
88-75-5	2-Nitrophenol	E625	ug/kg	NL						

				sys_loc_code:	C79		C80		C81	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C79 0-12		C80 0-12		C81 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/13/2009		07/13/2009		07/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
91-20-3	Naphthalene	E625	ug/kg	34.6						
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2						
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000						
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080						
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220						
95-48-7	2-Methylphenol	E625	ug/kg	306000						
95-57-8	2-Chlorophenol	E625	ug/kg	344						
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830						
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819						
98-86-2	Acetophenone	E625	ug/kg	782000						
98-95-3	Nitrobenzene	E625	ug/kg	4790						
99-09-2	3-Nitroaniline	E625	ug/kg	NL						

				sys_loc_code:	C82		C83		C84	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C82 0-12		C83 0-12		C84 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/23/2009		07/13/2009		07/13/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
7429-90-5	Aluminum	E200.7	mg/kg	7740	2690	J	1190		1670	
7440-38-2	Arsenic	E200.7	mg/kg	0.389			2.5	J	3.9	J
7440-70-2	Calcium	E200.7	mg/kg	NL	1570	J	578	UJ	582	UJ
7440-50-8	Copper	E200.7	mg/kg	18.7						
7439-89-6	Iron	E200.7	mg/kg	2000	36700	J	9990	J	12800	J
7439-92-1	Lead	E200.7	mg/kg	30.2			2.3		4.6	
7439-95-4	Magnesium	E200.7	mg/kg	NL	832		544	J	719	
7439-96-5	Manganese	E200.7	mg/kg	183			26.8	J	43.3	J
7440-09-7	Potassium	E200.7	mg/kg	NL	616	U	235	J	308	J
7440-23-5	Sodium	E200.7	mg/kg	NL	1290		1340		1460	
7440-66-6	Zinc	E200.7	mg/kg	124			13.6	J	19.8	J
7440-36-0	Antimony	E200.8	mg/kg	2			1.1	U	1.2	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389						
7440-39-3	Barium	E200.8	mg/kg	130.1			5.6	UJ	5.8	UJ
7440-41-7	Beryllium	E200.8	mg/kg	15.6			0.28	U	0.29	U
7440-43-9	Cadmium	E200.8	mg/kg	0.68			0.28	U	0.29	U
7440-47-3	Chromium	E200.8	mg/kg	52.3			6.5		7.6	
7440-48-4	Cobalt	E200.8	mg/kg	2.34			0.68	J	1.1	J
7440-50-8	Copper	E200.8	mg/kg	18.7			1.8		3.1	
7439-92-1	Lead	E200.8	mg/kg	30.2						
7439-96-5	Manganese	E200.8	mg/kg	183						
7440-02-0	Nickel	E200.8	mg/kg	15.9			1.6		2.2	
7782-49-2	Selenium	E200.8	mg/kg	2			0.098	J	0.13	J
7440-22-4	Silver	E200.8	mg/kg	0.73			0.28	UJ	0.29	UJ
7440-28-0	Thallium	E200.8	mg/kg	100000			0.56	U	0.58	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548			13.6		15.8	
7440-66-6	Zinc	E200.8	mg/kg	124						
7439-97-6	Mercury	E245.5	mg/kg	0.13			0.036	U	0.036	U
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6						
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357						
309-00-2	Aldrin	CPEST	ug/kg	2						
319-84-6	Alpha-Bhc	CPEST	ug/kg	3						
319-85-7	Beta-Bhc	CPEST	ug/kg	3						

				sys_loc_code:	C82		C83		C84	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C82 0-12		C83 0-12		C84 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/23/2009		07/13/2009		07/13/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
319-86-8	Delta-Bhc	CPEST	ug/kg	3						
33213-65-9	Endosulfan II	CPEST	ug/kg	14						
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19						
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7						
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7						
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL						
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32						
60-57-1	Dieldrin	CPEST	ug/kg	0.72						
72-20-8	Endrin	CPEST	ug/kg	2.67						
72-43-5	Methoxychlor	CPEST	ug/kg	29.6						
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22						
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07						
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL						
76-44-8	Heptachlor	CPEST	ug/kg	68						
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1						
959-98-8	Endosulfan I	CPEST	ug/kg	2.9						
11096-82-5	Aroclor 1260	E608	ug/kg	21.6						
11097-69-1	Aroclor 1254	E608	ug/kg	23						
11100-14-4	Aroclor 1268	E608	ug/kg	21.6						
11104-28-2	Aroclor 1221	E608	ug/kg	21.6						
11141-16-5	Aroclor 1232	E608	ug/kg	21.6						
12672-29-6	Aroclor 1248	E608	ug/kg	21.6						
12674-11-2	Aroclor 1016	E608	ug/kg	21.6						
37324-23-5	Aroclor 1262	E608	ug/kg	21.6						
53469-21-9	Aroclor 1242	E608	ug/kg	21.6						
100-41-4	Ethylbenzene	E624	ug/kg	305						
100-42-5	Styrene	E624	ug/kg	7070						
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL						
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL						
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460						
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7						
107-06-2	1,2-Dichloroethane	E624	ug/kg	432						
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000						

				sys_loc_code:	C82		C83		C84	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C82 0-12		C83 0-12		C84 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/23/2009		07/13/2009		07/13/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
108-87-2	Methylcyclohexane	E624	ug/kg	NL						
108-88-3	Toluene	E624	ug/kg	1090						
108-90-7	Chlorobenzene	E624	ug/kg	162						
110-82-7	Cyclohexane	E624	ug/kg	117000						
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473						
123-91-1	1,4-Dioxane	E624	ug/kg	44100						
124-48-1	Dibromochloromethane	E624	ug/kg	680						
127-18-4	Tetrachloroethene	E624	ug/kg	190						
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200						
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300						
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300						
179601-23-1	m,p-Xylene	E624	ug/kg	NL						
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842						
56-23-5	Carbon tetrachloride	E624	ug/kg	248						
591-78-6	2-Hexanone	E624	ug/kg	20900						
67-64-1	Acetone	E624	ug/kg	6130000						
67-66-3	Chloroform	E624	ug/kg	295						
71-43-2	Benzene	E624	ug/kg	137						
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856						
74-83-9	Bromomethane	E624	ug/kg	732						
74-87-3	Chloromethane	E624	ug/kg	11900						
74-97-5	Bromochloromethane	E624	ug/kg	NL						
75-00-3	Chloroethane	E624	ug/kg	1450000						
75-01-4	Vinyl Chloride	E624	ug/kg	59.7						
75-09-2	Methylene chloride	E624	ug/kg	10700						
75-15-0	Carbon Disulfide	E624	ug/kg	0.851						
75-25-2	Bromoform	E624	ug/kg	1310						
75-27-4	Bromodichloromethane	E624	ug/kg	273						
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310						
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780						
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700						
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400						
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000						

				sys_loc_code:	C82		C83		C84	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C82 0-12		C83 0-12		C84 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/23/2009		07/13/2009		07/13/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
78-87-5	1,2-Dichloropropane	E624	ug/kg	895						
78-93-3	2-Butanone	E624	ug/kg	2780000						
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570						
79-01-6	Trichloroethene	E624	ug/kg	1600						
79-20-9	Methyl Acetate	E624	ug/kg	7820000						
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202						
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858						
95-47-6	o-Xylene	E624	ug/kg	NL						
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989						
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35						
98-82-8	Isopropylbenzene	E624	ug/kg	86						
100-01-6	4-Nitroaniline	E625	ug/kg	24300						
100-02-7	4-Nitrophenol	E625	ug/kg	NL						
100-52-7	Benzaldehyde	E625	ug/kg	782000						
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230						
105-60-2	Caprolactam	E625	ug/kg	3060000						
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29						
106-44-5	4-Methylphenol	E625	ug/kg	670						
106-47-8	4-Chloroaniline	E625	ug/kg	2430						
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570						
108-95-2	Phenol	E625	ug/kg	420						
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214						
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300						
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182						
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL						
118-74-1	Hexachlorobenzene	E625	ug/kg	20						
120-12-7	Anthracene	E625	ug/kg	46.9						
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117						
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6						
129-00-0	Pyrene	E625	ug/kg	153						
131-11-3	Dimethylphthalate	E625	ug/kg	NL						
132-64-9	Dibenzofuran	E625	ug/kg	7300						
1912-24-9	Atrazine	E625	ug/kg	6.62						

				sys_loc_code:	C82		C83		C84	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C82 0-12		C83 0-12		C84 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/23/2009		07/13/2009		07/13/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170						
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17						
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148						
206-44-0	Fluoranthene	E625	ug/kg	113						
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240						
208-96-8	Acenaphthylene	E625	ug/kg	5.87						
218-01-9	Chrysene	E625	ug/kg	108						
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8						
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200						
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611						
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22						
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8						
58-90-2	Chlorophenols	E625	ug/kg	284						
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000						
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120						
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4						
67-72-1	Hexachloroethane	E625	ug/kg	804						
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL						
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139						
78-59-1	Isophorone	E625	ug/kg	511000						
83-32-9	Acenaphthene	E625	ug/kg	6.71						
84-66-2	Diethylphthalate	E625	ug/kg	218						
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160						
85-01-8	Phenanthrene	E625	ug/kg	86.7						
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800						
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100						
86-73-7	Fluorene	E625	ug/kg	19						
86-74-8	Carbazole	E625	ug/kg	NL						
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110						
87-86-5	Pentachlorophenol	E625	ug/kg	2970						
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650						
88-74-4	2-Nitroaniline	E625	ug/kg	60600						
88-75-5	2-Nitrophenol	E625	ug/kg	NL						

				sys_loc_code:	C82		C83		C84	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C82 0-12		C83 0-12		C84 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/23/2009		07/13/2009		07/13/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
91-20-3	Naphthalene	E625	ug/kg	34.6						
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2						
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000						
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080						
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220						
95-48-7	2-Methylphenol	E625	ug/kg	306000						
95-57-8	2-Chlorophenol	E625	ug/kg	344						
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830						
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819						
98-86-2	Acetophenone	E625	ug/kg	782000						
98-95-3	Nitrobenzene	E625	ug/kg	4790						
99-09-2	3-Nitroaniline	E625	ug/kg	NL						

				sys_loc_code:	C85			C86		C87	
				loc_name:	Area-11			Area-11		Area-11	
				sys_sample_code:	C85 0-12			C86 0-12		C87 0-12	
				depth:	0-12 in			0-12 in		0-12 in	
				sample_date:	07/13/2009			07/13/2009		07/10/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED							
7429-90-5	Aluminum	E200.7	mg/kg	7740	1320			2040		2430	J
7440-38-2	Arsenic	E200.7	mg/kg	0.389	5	J		8.3			
7440-70-2	Calcium	E200.7	mg/kg	NL	555	UJ		638		605	UJ
7440-50-8	Copper	E200.7	mg/kg	18.7							
7439-89-6	Iron	E200.7	mg/kg	2000	12000	J		18500		10700	J
7439-92-1	Lead	E200.7	mg/kg	30.2	7.6			10			
7439-95-4	Magnesium	E200.7	mg/kg	NL	517	J		760		605	UJ
7439-96-5	Manganese	E200.7	mg/kg	183	37.8	J		63.8			
7440-09-7	Potassium	E200.7	mg/kg	NL	211	J		322	J	605	UJ
7440-23-5	Sodium	E200.7	mg/kg	NL	1250			1530		135	J
7440-66-6	Zinc	E200.7	mg/kg	124	39.2	J		55.9			
7440-36-0	Antimony	E200.8	mg/kg	2	1.1	U		1.1	U	1.2	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389						11.6	J
7440-39-3	Barium	E200.8	mg/kg	130.1	5.7	UJ		3.9	J	13	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.28	U		0.27	U	0.75	
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.28	U		0.27	U	0.35	
7440-47-3	Chromium	E200.8	mg/kg	52.3	9.8			9.6		18.7	
7440-48-4	Cobalt	E200.8	mg/kg	2.34	1.6	J		1.5	J	4.7	
7440-50-8	Copper	E200.8	mg/kg	18.7	8.6			10.6		24.9	
7439-92-1	Lead	E200.8	mg/kg	30.2						23.1	
7439-96-5	Manganese	E200.8	mg/kg	183						18.6	
7440-02-0	Nickel	E200.8	mg/kg	15.9	4.2			5.7	J	9.8	
7782-49-2	Selenium	E200.8	mg/kg	2	0.4	J		0.48	J	0.71	J
7440-22-4	Silver	E200.8	mg/kg	0.73	0.28	UJ		0.27	UJ	0.14	J
7440-28-0	Thallium	E200.8	mg/kg	100000	0.57	U		0.55	U	0.61	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	20			17.9	J	75.1	
7440-66-6	Zinc	E200.8	mg/kg	124						79.4	
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.06			0.046		0.17	
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6							
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357							
309-00-2	Aldrin	CPEST	ug/kg	2							
319-84-6	Alpha-Bhc	CPEST	ug/kg	3							
319-85-7	Beta-Bhc	CPEST	ug/kg	3							

				sys_loc_code:	C85		C86		C87	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C85 0-12		C86 0-12		C87 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/13/2009		07/13/2009		07/10/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
319-86-8	Delta-Bhc	CPEST	ug/kg	3						
33213-65-9	Endosulfan II	CPEST	ug/kg	14						
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19						
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7						
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7						
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL						
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32						
60-57-1	Dieldrin	CPEST	ug/kg	0.72						
72-20-8	Endrin	CPEST	ug/kg	2.67						
72-43-5	Methoxychlor	CPEST	ug/kg	29.6						
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22						
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07						
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL						
76-44-8	Heptachlor	CPEST	ug/kg	68						
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1						
959-98-8	Endosulfan I	CPEST	ug/kg	2.9						
11096-82-5	Aroclor 1260	E608	ug/kg	21.6						
11097-69-1	Aroclor 1254	E608	ug/kg	23						
11100-14-4	Aroclor 1268	E608	ug/kg	21.6						
11104-28-2	Aroclor 1221	E608	ug/kg	21.6						
11141-16-5	Aroclor 1232	E608	ug/kg	21.6						
12672-29-6	Aroclor 1248	E608	ug/kg	21.6						
12674-11-2	Aroclor 1016	E608	ug/kg	21.6						
37324-23-5	Aroclor 1262	E608	ug/kg	21.6						
53469-21-9	Aroclor 1242	E608	ug/kg	21.6						
100-41-4	Ethylbenzene	E624	ug/kg	305						
100-42-5	Styrene	E624	ug/kg	7070						
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL						
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL						
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460						
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7						
107-06-2	1,2-Dichloroethane	E624	ug/kg	432						
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000						

				sys_loc_code:	C85		C86		C87	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C85 0-12		C86 0-12		C87 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/13/2009		07/13/2009		07/10/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
108-87-2	Methylcyclohexane	E624	ug/kg	NL						
108-88-3	Toluene	E624	ug/kg	1090						
108-90-7	Chlorobenzene	E624	ug/kg	162						
110-82-7	Cyclohexane	E624	ug/kg	117000						
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473						
123-91-1	1,4-Dioxane	E624	ug/kg	44100						
124-48-1	Dibromochloromethane	E624	ug/kg	680						
127-18-4	Tetrachloroethene	E624	ug/kg	190						
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200						
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300						
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300						
179601-23-1	m,p-Xylene	E624	ug/kg	NL						
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842						
56-23-5	Carbon tetrachloride	E624	ug/kg	248						
591-78-6	2-Hexanone	E624	ug/kg	20900						
67-64-1	Acetone	E624	ug/kg	6130000						
67-66-3	Chloroform	E624	ug/kg	295						
71-43-2	Benzene	E624	ug/kg	137						
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856						
74-83-9	Bromomethane	E624	ug/kg	732						
74-87-3	Chloromethane	E624	ug/kg	11900						
74-97-5	Bromochloromethane	E624	ug/kg	NL						
75-00-3	Chloroethane	E624	ug/kg	1450000						
75-01-4	Vinyl Chloride	E624	ug/kg	59.7						
75-09-2	Methylene chloride	E624	ug/kg	10700						
75-15-0	Carbon Disulfide	E624	ug/kg	0.851						
75-25-2	Bromoform	E624	ug/kg	1310						
75-27-4	Bromodichloromethane	E624	ug/kg	273						
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310						
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780						
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700						
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400						
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000						

				sys_loc_code:	C85		C86		C87	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C85 0-12		C86 0-12		C87 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/13/2009		07/13/2009		07/10/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
78-87-5	1,2-Dichloropropane	E624	ug/kg	895						
78-93-3	2-Butanone	E624	ug/kg	2780000						
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570						
79-01-6	Trichloroethene	E624	ug/kg	1600						
79-20-9	Methyl Acetate	E624	ug/kg	7820000						
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202						
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858						
95-47-6	o-Xylene	E624	ug/kg	NL						
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989						
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35						
98-82-8	Isopropylbenzene	E624	ug/kg	86						
100-01-6	4-Nitroaniline	E625	ug/kg	24300						
100-02-7	4-Nitrophenol	E625	ug/kg	NL						
100-52-7	Benzaldehyde	E625	ug/kg	782000						
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230						
105-60-2	Caprolactam	E625	ug/kg	3060000						
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29						
106-44-5	4-Methylphenol	E625	ug/kg	670						
106-47-8	4-Chloroaniline	E625	ug/kg	2430						
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570						
108-95-2	Phenol	E625	ug/kg	420						
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214						
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300						
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182						
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL						
118-74-1	Hexachlorobenzene	E625	ug/kg	20						
120-12-7	Anthracene	E625	ug/kg	46.9						
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117						
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6						
129-00-0	Pyrene	E625	ug/kg	153						
131-11-3	Dimethylphthalate	E625	ug/kg	NL						
132-64-9	Dibenzofuran	E625	ug/kg	7300						
1912-24-9	Atrazine	E625	ug/kg	6.62						

				sys_loc_code:	C85		C86		C87	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C85 0-12		C86 0-12		C87 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/13/2009		07/13/2009		07/10/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170						
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17						
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148						
206-44-0	Fluoranthene	E625	ug/kg	113						
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240						
208-96-8	Acenaphthylene	E625	ug/kg	5.87						
218-01-9	Chrysene	E625	ug/kg	108						
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8						
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200						
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611						
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22						
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8						
58-90-2	Chlorophenols	E625	ug/kg	284						
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000						
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120						
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4						
67-72-1	Hexachloroethane	E625	ug/kg	804						
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL						
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139						
78-59-1	Isophorone	E625	ug/kg	511000						
83-32-9	Acenaphthene	E625	ug/kg	6.71						
84-66-2	Diethylphthalate	E625	ug/kg	218						
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160						
85-01-8	Phenanthrene	E625	ug/kg	86.7						
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800						
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100						
86-73-7	Fluorene	E625	ug/kg	19						
86-74-8	Carbazole	E625	ug/kg	NL						
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110						
87-86-5	Pentachlorophenol	E625	ug/kg	2970						
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650						
88-74-4	2-Nitroaniline	E625	ug/kg	60600						
88-75-5	2-Nitrophenol	E625	ug/kg	NL						

				sys_loc_code:	C85		C86		C87	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C85 0-12		C86 0-12		C87 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/13/2009		07/13/2009		07/10/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
91-20-3	Naphthalene	E625	ug/kg	34.6						
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2						
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000						
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080						
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220						
95-48-7	2-Methylphenol	E625	ug/kg	306000						
95-57-8	2-Chlorophenol	E625	ug/kg	344						
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830						
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819						
98-86-2	Acetophenone	E625	ug/kg	782000						
98-95-3	Nitrobenzene	E625	ug/kg	4790						
99-09-2	3-Nitroaniline	E625	ug/kg	NL						

				sys_loc_code:	C88		C89		C89	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C88 0-12		C89 0-12		Z89 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/23/2009		07/23/2009		07/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
7429-90-5	Aluminum	E200.7	mg/kg	7740	2340	J	1950	J	1960	J
7440-38-2	Arsenic	E200.7	mg/kg	0.389						
7440-70-2	Calcium	E200.7	mg/kg	NL	5640		2200	J	975	J
7440-50-8	Copper	E200.7	mg/kg	18.7						
7439-89-6	Iron	E200.7	mg/kg	2000	14600	J	7190	J	8740	J
7439-92-1	Lead	E200.7	mg/kg	30.2						
7439-95-4	Magnesium	E200.7	mg/kg	NL	631		871		886	
7439-96-5	Manganese	E200.7	mg/kg	183						
7440-09-7	Potassium	E200.7	mg/kg	NL	607	U	649	U	647	U
7440-23-5	Sodium	E200.7	mg/kg	NL	1520		1760		1930	
7440-66-6	Zinc	E200.7	mg/kg	124						
7440-36-0	Antimony	E200.8	mg/kg	2						
7440-38-2	Arsenic	E200.8	mg/kg	0.389						
7440-39-3	Barium	E200.8	mg/kg	130.1						
7440-41-7	Beryllium	E200.8	mg/kg	15.6						
7440-43-9	Cadmium	E200.8	mg/kg	0.68						
7440-47-3	Chromium	E200.8	mg/kg	52.3						
7440-48-4	Cobalt	E200.8	mg/kg	2.34						
7440-50-8	Copper	E200.8	mg/kg	18.7						
7439-92-1	Lead	E200.8	mg/kg	30.2						
7439-96-5	Manganese	E200.8	mg/kg	183						
7440-02-0	Nickel	E200.8	mg/kg	15.9						
7782-49-2	Selenium	E200.8	mg/kg	2						
7440-22-4	Silver	E200.8	mg/kg	0.73						
7440-28-0	Thallium	E200.8	mg/kg	100000						
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548						
7440-66-6	Zinc	E200.8	mg/kg	124						
7439-97-6	Mercury	E245.5	mg/kg	0.13						
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6						
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357						
309-00-2	Aldrin	CPEST	ug/kg	2						
319-84-6	Alpha-Bhc	CPEST	ug/kg	3						
319-85-7	Beta-Bhc	CPEST	ug/kg	3						

				sys_loc_code:	C88		C89		C89	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C88 0-12		C89 0-12		Z89 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/23/2009		07/23/2009		07/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
319-86-8	Delta-Bhc	CPEST	ug/kg	3						
33213-65-9	Endosulfan II	CPEST	ug/kg	14						
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19						
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7						
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7						
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL						
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32						
60-57-1	Dieldrin	CPEST	ug/kg	0.72						
72-20-8	Endrin	CPEST	ug/kg	2.67						
72-43-5	Methoxychlor	CPEST	ug/kg	29.6						
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22						
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07						
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL						
76-44-8	Heptachlor	CPEST	ug/kg	68						
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1						
959-98-8	Endosulfan I	CPEST	ug/kg	2.9						
11096-82-5	Aroclor 1260	E608	ug/kg	21.6						
11097-69-1	Aroclor 1254	E608	ug/kg	23						
11100-14-4	Aroclor 1268	E608	ug/kg	21.6						
11104-28-2	Aroclor 1221	E608	ug/kg	21.6						
11141-16-5	Aroclor 1232	E608	ug/kg	21.6						
12672-29-6	Aroclor 1248	E608	ug/kg	21.6						
12674-11-2	Aroclor 1016	E608	ug/kg	21.6						
37324-23-5	Aroclor 1262	E608	ug/kg	21.6						
53469-21-9	Aroclor 1242	E608	ug/kg	21.6						
100-41-4	Ethylbenzene	E624	ug/kg	305						
100-42-5	Styrene	E624	ug/kg	7070						
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL						
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL						
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460						
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7						
107-06-2	1,2-Dichloroethane	E624	ug/kg	432						
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000						

				sys_loc_code:	C88		C89		C89	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C88 0-12		C89 0-12		Z89 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/23/2009		07/23/2009		07/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
108-87-2	Methylcyclohexane	E624	ug/kg	NL						
108-88-3	Toluene	E624	ug/kg	1090						
108-90-7	Chlorobenzene	E624	ug/kg	162						
110-82-7	Cyclohexane	E624	ug/kg	117000						
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473						
123-91-1	1,4-Dioxane	E624	ug/kg	44100						
124-48-1	Dibromochloromethane	E624	ug/kg	680						
127-18-4	Tetrachloroethene	E624	ug/kg	190						
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200						
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300						
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300						
179601-23-1	m,p-Xylene	E624	ug/kg	NL						
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842						
56-23-5	Carbon tetrachloride	E624	ug/kg	248						
591-78-6	2-Hexanone	E624	ug/kg	20900						
67-64-1	Acetone	E624	ug/kg	6130000						
67-66-3	Chloroform	E624	ug/kg	295						
71-43-2	Benzene	E624	ug/kg	137						
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856						
74-83-9	Bromomethane	E624	ug/kg	732						
74-87-3	Chloromethane	E624	ug/kg	11900						
74-97-5	Bromochloromethane	E624	ug/kg	NL						
75-00-3	Chloroethane	E624	ug/kg	1450000						
75-01-4	Vinyl Chloride	E624	ug/kg	59.7						
75-09-2	Methylene chloride	E624	ug/kg	10700						
75-15-0	Carbon Disulfide	E624	ug/kg	0.851						
75-25-2	Bromoform	E624	ug/kg	1310						
75-27-4	Bromodichloromethane	E624	ug/kg	273						
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310						
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780						
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700						
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400						
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000						

				sys_loc_code:	C88		C89		C89	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C88 0-12		C89 0-12		Z89 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/23/2009		07/23/2009		07/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
78-87-5	1,2-Dichloropropane	E624	ug/kg	895						
78-93-3	2-Butanone	E624	ug/kg	2780000						
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570						
79-01-6	Trichloroethene	E624	ug/kg	1600						
79-20-9	Methyl Acetate	E624	ug/kg	7820000						
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202						
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858						
95-47-6	o-Xylene	E624	ug/kg	NL						
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989						
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35						
98-82-8	Isopropylbenzene	E624	ug/kg	86						
100-01-6	4-Nitroaniline	E625	ug/kg	24300						
100-02-7	4-Nitrophenol	E625	ug/kg	NL						
100-52-7	Benzaldehyde	E625	ug/kg	782000						
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230						
105-60-2	Caprolactam	E625	ug/kg	3060000						
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29						
106-44-5	4-Methylphenol	E625	ug/kg	670						
106-47-8	4-Chloroaniline	E625	ug/kg	2430						
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570						
108-95-2	Phenol	E625	ug/kg	420						
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214						
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300						
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182						
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL						
118-74-1	Hexachlorobenzene	E625	ug/kg	20						
120-12-7	Anthracene	E625	ug/kg	46.9						
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117						
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6						
129-00-0	Pyrene	E625	ug/kg	153						
131-11-3	Dimethylphthalate	E625	ug/kg	NL						
132-64-9	Dibenzofuran	E625	ug/kg	7300						
1912-24-9	Atrazine	E625	ug/kg	6.62						

				sys_loc_code:	C88		C89		C89	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C88 0-12		C89 0-12		Z89 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/23/2009		07/23/2009		07/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170						
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17						
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148						
206-44-0	Fluoranthene	E625	ug/kg	113						
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240						
208-96-8	Acenaphthylene	E625	ug/kg	5.87						
218-01-9	Chrysene	E625	ug/kg	108						
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8						
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200						
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611						
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22						
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8						
58-90-2	Chlorophenols	E625	ug/kg	284						
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000						
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120						
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4						
67-72-1	Hexachloroethane	E625	ug/kg	804						
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL						
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139						
78-59-1	Isophorone	E625	ug/kg	511000						
83-32-9	Acenaphthene	E625	ug/kg	6.71						
84-66-2	Diethylphthalate	E625	ug/kg	218						
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160						
85-01-8	Phenanthrene	E625	ug/kg	86.7						
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800						
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100						
86-73-7	Fluorene	E625	ug/kg	19						
86-74-8	Carbazole	E625	ug/kg	NL						
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110						
87-86-5	Pentachlorophenol	E625	ug/kg	2970						
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650						
88-74-4	2-Nitroaniline	E625	ug/kg	60600						
88-75-5	2-Nitrophenol	E625	ug/kg	NL						

				sys_loc_code:	C88		C89		C89	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C88 0-12		C89 0-12		Z89 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/23/2009		07/23/2009		07/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
91-20-3	Naphthalene	E625	ug/kg	34.6						
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2						
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000						
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080						
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220						
95-48-7	2-Methylphenol	E625	ug/kg	306000						
95-57-8	2-Chlorophenol	E625	ug/kg	344						
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830						
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819						
98-86-2	Acetophenone	E625	ug/kg	782000						
98-95-3	Nitrobenzene	E625	ug/kg	4790						
99-09-2	3-Nitroaniline	E625	ug/kg	NL						

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				sys_loc_code:	C90		C90		C91		
				loc_name:	Area-11		Area-11		Area-11		
				sys_sample_code:	C90 0-12		Z90 0-12		C91 0-12		
				depth:	0-12 in		0-12 in		0-12 in		
				sample_date:	07/10/2009		07/10/2009		07/10/2009		
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED							
7429-90-5	Aluminum	E200.7	mg/kg	7740	3470		3020		4370		
7440-38-2	Arsenic	E200.7	mg/kg	0.389							
7440-70-2	Calcium	E200.7	mg/kg	NL	2270	J	1350	J	377	J	
7440-50-8	Copper	E200.7	mg/kg	18.7							
7439-89-6	Iron	E200.7	mg/kg	2000	9590	J	8910	J	11000	J	
7439-92-1	Lead	E200.7	mg/kg	30.2							
7439-95-4	Magnesium	E200.7	mg/kg	NL	1270		1140		1250		
7439-96-5	Manganese	E200.7	mg/kg	183							
7440-09-7	Potassium	E200.7	mg/kg	NL	685		603	J	718		
7440-23-5	Sodium	E200.7	mg/kg	NL	1770		1550		288	J	
7440-66-6	Zinc	E200.7	mg/kg	124							
7440-36-0	Antimony	E200.8	mg/kg	2	1.3	U	1.3	U	1.3	U	
7440-38-2	Arsenic	E200.8	mg/kg	0.389	8.8	J	8.9	J	13.1	J	
7440-39-3	Barium	E200.8	mg/kg	130.1	6.9	J	7.5	J	16.3	J	
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.28	J	0.3	J	0.29	J	
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.48		0.44		0.17	J	
7440-47-3	Chromium	E200.8	mg/kg	52.3	16	J	13.9	J	15.7	J	
7440-48-4	Cobalt	E200.8	mg/kg	2.34	2.2		2.2		2.6		
7440-50-8	Copper	E200.8	mg/kg	18.7	51.6		46		29.9		
7439-92-1	Lead	E200.8	mg/kg	30.2	28.5		31.5		30.1		
7439-96-5	Manganese	E200.8	mg/kg	183	53.8	J	54.3	J	35.5	J	
7440-02-0	Nickel	E200.8	mg/kg	15.9	8.5		7.8		6.1		
7782-49-2	Selenium	E200.8	mg/kg	2	0.88		0.83		1		
7440-22-4	Silver	E200.8	mg/kg	0.73	0.5		0.44		0.32	U	
7440-28-0	Thallium	E200.8	mg/kg	100000	0.67	U	0.64	U	0.65	U	
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	16	J	15.8	J	20	J	
7440-66-6	Zinc	E200.8	mg/kg	124	77	J	72.2	J	40	J	
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.22	J	0.36	J	0.31	J	
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6							
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357							
309-00-2	Aldrin	CPEST	ug/kg	2							
319-84-6	Alpha-Bhc	CPEST	ug/kg	3							
319-85-7	Beta-Bhc	CPEST	ug/kg	3							

				sys_loc_code:	C90		C90		C91	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C90 0-12		Z90 0-12		C91 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/10/2009		07/10/2009		07/10/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
319-86-8	Delta-Bhc	CPEST	ug/kg	3						
33213-65-9	Endosulfan II	CPEST	ug/kg	14						
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19						
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7						
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7						
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL						
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32						
60-57-1	Dieldrin	CPEST	ug/kg	0.72						
72-20-8	Endrin	CPEST	ug/kg	2.67						
72-43-5	Methoxychlor	CPEST	ug/kg	29.6						
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22						
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07						
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL						
76-44-8	Heptachlor	CPEST	ug/kg	68						
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1						
959-98-8	Endosulfan I	CPEST	ug/kg	2.9						
11096-82-5	Aroclor 1260	E608	ug/kg	21.6						
11097-69-1	Aroclor 1254	E608	ug/kg	23						
11100-14-4	Aroclor 1268	E608	ug/kg	21.6						
11104-28-2	Aroclor 1221	E608	ug/kg	21.6						
11141-16-5	Aroclor 1232	E608	ug/kg	21.6						
12672-29-6	Aroclor 1248	E608	ug/kg	21.6						
12674-11-2	Aroclor 1016	E608	ug/kg	21.6						
37324-23-5	Aroclor 1262	E608	ug/kg	21.6						
53469-21-9	Aroclor 1242	E608	ug/kg	21.6						
100-41-4	Ethylbenzene	E624	ug/kg	305						
100-42-5	Styrene	E624	ug/kg	7070						
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL						
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL						
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460						
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7						
107-06-2	1,2-Dichloroethane	E624	ug/kg	432						
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000						

				sys_loc_code:	C90		C90		C91	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C90 0-12		Z90 0-12		C91 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/10/2009		07/10/2009		07/10/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
108-87-2	Methylcyclohexane	E624	ug/kg	NL						
108-88-3	Toluene	E624	ug/kg	1090						
108-90-7	Chlorobenzene	E624	ug/kg	162						
110-82-7	Cyclohexane	E624	ug/kg	117000						
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473						
123-91-1	1,4-Dioxane	E624	ug/kg	44100						
124-48-1	Dibromochloromethane	E624	ug/kg	680						
127-18-4	Tetrachloroethene	E624	ug/kg	190						
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200						
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300						
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300						
179601-23-1	m,p-Xylene	E624	ug/kg	NL						
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842						
56-23-5	Carbon tetrachloride	E624	ug/kg	248						
591-78-6	2-Hexanone	E624	ug/kg	20900						
67-64-1	Acetone	E624	ug/kg	6130000						
67-66-3	Chloroform	E624	ug/kg	295						
71-43-2	Benzene	E624	ug/kg	137						
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856						
74-83-9	Bromomethane	E624	ug/kg	732						
74-87-3	Chloromethane	E624	ug/kg	11900						
74-97-5	Bromochloromethane	E624	ug/kg	NL						
75-00-3	Chloroethane	E624	ug/kg	1450000						
75-01-4	Vinyl Chloride	E624	ug/kg	59.7						
75-09-2	Methylene chloride	E624	ug/kg	10700						
75-15-0	Carbon Disulfide	E624	ug/kg	0.851						
75-25-2	Bromoform	E624	ug/kg	1310						
75-27-4	Bromodichloromethane	E624	ug/kg	273						
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310						
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780						
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700						
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400						
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000						

				sys_loc_code:	C90		C90		C91	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C90 0-12		Z90 0-12		C91 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/10/2009		07/10/2009		07/10/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
78-87-5	1,2-Dichloropropane	E624	ug/kg	895						
78-93-3	2-Butanone	E624	ug/kg	2780000						
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570						
79-01-6	Trichloroethene	E624	ug/kg	1600						
79-20-9	Methyl Acetate	E624	ug/kg	7820000						
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202						
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858						
95-47-6	o-Xylene	E624	ug/kg	NL						
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989						
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35						
98-82-8	Isopropylbenzene	E624	ug/kg	86						
100-01-6	4-Nitroaniline	E625	ug/kg	24300						
100-02-7	4-Nitrophenol	E625	ug/kg	NL						
100-52-7	Benzaldehyde	E625	ug/kg	782000						
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230						
105-60-2	Caprolactam	E625	ug/kg	3060000						
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29						
106-44-5	4-Methylphenol	E625	ug/kg	670						
106-47-8	4-Chloroaniline	E625	ug/kg	2430						
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570						
108-95-2	Phenol	E625	ug/kg	420						
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214						
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300						
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182						
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL						
118-74-1	Hexachlorobenzene	E625	ug/kg	20						
120-12-7	Anthracene	E625	ug/kg	46.9						
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117						
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6						
129-00-0	Pyrene	E625	ug/kg	153						
131-11-3	Dimethylphthalate	E625	ug/kg	NL						
132-64-9	Dibenzofuran	E625	ug/kg	7300						
1912-24-9	Atrazine	E625	ug/kg	6.62						

				sys_loc_code:	C90		C90		C91	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C90 0-12		Z90 0-12		C91 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/10/2009		07/10/2009		07/10/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170						
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17						
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148						
206-44-0	Fluoranthene	E625	ug/kg	113						
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240						
208-96-8	Acenaphthylene	E625	ug/kg	5.87						
218-01-9	Chrysene	E625	ug/kg	108						
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8						
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200						
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611						
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22						
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8						
58-90-2	Chlorophenols	E625	ug/kg	284						
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000						
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120						
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4						
67-72-1	Hexachloroethane	E625	ug/kg	804						
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL						
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139						
78-59-1	Isophorone	E625	ug/kg	511000						
83-32-9	Acenaphthene	E625	ug/kg	6.71						
84-66-2	Diethylphthalate	E625	ug/kg	218						
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160						
85-01-8	Phenanthrene	E625	ug/kg	86.7						
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800						
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100						
86-73-7	Fluorene	E625	ug/kg	19						
86-74-8	Carbazole	E625	ug/kg	NL						
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110						
87-86-5	Pentachlorophenol	E625	ug/kg	2970						
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650						
88-74-4	2-Nitroaniline	E625	ug/kg	60600						
88-75-5	2-Nitrophenol	E625	ug/kg	NL						

				sys_loc_code:	C90		C90		C91	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C90 0-12		Z90 0-12		C91 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/10/2009		07/10/2009		07/10/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
91-20-3	Naphthalene	E625	ug/kg	34.6						
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2						
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000						
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080						
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220						
95-48-7	2-Methylphenol	E625	ug/kg	306000						
95-57-8	2-Chlorophenol	E625	ug/kg	344						
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830						
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819						
98-86-2	Acetophenone	E625	ug/kg	782000						
98-95-3	Nitrobenzene	E625	ug/kg	4790						
99-09-2	3-Nitroaniline	E625	ug/kg	NL						

				sys_loc_code:	C92			C93		C93	
				loc_name:	Area-11			Area-11		Area-11	
				sys_sample_code:	C92 0-12			C93 0-12		Z93 0-12	
				depth:	0-12 in			0-12 in		0-12 in	
				sample_date:	07/22/2009			07/13/2009		07/13/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED							
7429-90-5	Aluminum	E200.7	mg/kg	7740	1900			1570		2210	
7440-38-2	Arsenic	E200.7	mg/kg	0.389				4.4	J	4.5	J
7440-70-2	Calcium	E200.7	mg/kg	NL	1690			256	J	475	J
7440-50-8	Copper	E200.7	mg/kg	18.7							
7439-89-6	Iron	E200.7	mg/kg	2000	9910			12500	J	11900	J
7439-92-1	Lead	E200.7	mg/kg	30.2				8		5.3	J
7439-95-4	Magnesium	E200.7	mg/kg	NL	759			641		964	
7439-96-5	Manganese	E200.7	mg/kg	183				44.3	J	49.9	J
7440-09-7	Potassium	E200.7	mg/kg	NL	433	J		272	J	435	J
7440-23-5	Sodium	E200.7	mg/kg	NL	1620			1470		1540	
7440-66-6	Zinc	E200.7	mg/kg	124				33.5	J	20.8	J
7440-36-0	Antimony	E200.8	mg/kg	2	1.2	U		1.1	U	1.1	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389	4.4						
7440-39-3	Barium	E200.8	mg/kg	130.1	6.1	UJ		5.7	UJ	4.3	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.28	J		0.29	U	0.28	U
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.31	U		0.29	U	0.28	U
7440-47-3	Chromium	E200.8	mg/kg	52.3	9.4			10.4		8.3	
7440-48-4	Cobalt	E200.8	mg/kg	2.34	1.5			1.7	J	1.7	J
7440-50-8	Copper	E200.8	mg/kg	18.7	5.6			6.5		4.3	
7439-92-1	Lead	E200.8	mg/kg	30.2	6.4	J					
7439-96-5	Manganese	E200.8	mg/kg	183	40.6	J					
7440-02-0	Nickel	E200.8	mg/kg	15.9	3.8			3.7		3.7	
7782-49-2	Selenium	E200.8	mg/kg	2	0.39	J		0.29	J	0.25	J
7440-22-4	Silver	E200.8	mg/kg	0.73	0.31	U		0.29	UJ	0.28	UJ
7440-28-0	Thallium	E200.8	mg/kg	100000	0.61	U		0.57	U	0.56	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	16.4	J		19.3		17.9	
7440-66-6	Zinc	E200.8	mg/kg	124	23.8						
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.07			0.036	U	0.036	U
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6							
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357							
309-00-2	Aldrin	CPEST	ug/kg	2							
319-84-6	Alpha-Bhc	CPEST	ug/kg	3							
319-85-7	Beta-Bhc	CPEST	ug/kg	3							

				sys_loc_code:	C92		C93		C93	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C92 0-12		C93 0-12		Z93 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/22/2009		07/13/2009		07/13/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
319-86-8	Delta-Bhc	CPEST	ug/kg	3						
33213-65-9	Endosulfan II	CPEST	ug/kg	14						
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19						
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7						
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7						
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL						
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32						
60-57-1	Dieldrin	CPEST	ug/kg	0.72						
72-20-8	Endrin	CPEST	ug/kg	2.67						
72-43-5	Methoxychlor	CPEST	ug/kg	29.6						
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22						
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07						
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL						
76-44-8	Heptachlor	CPEST	ug/kg	68						
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1						
959-98-8	Endosulfan I	CPEST	ug/kg	2.9						
11096-82-5	Aroclor 1260	E608	ug/kg	21.6						
11097-69-1	Aroclor 1254	E608	ug/kg	23						
11100-14-4	Aroclor 1268	E608	ug/kg	21.6						
11104-28-2	Aroclor 1221	E608	ug/kg	21.6						
11141-16-5	Aroclor 1232	E608	ug/kg	21.6						
12672-29-6	Aroclor 1248	E608	ug/kg	21.6						
12674-11-2	Aroclor 1016	E608	ug/kg	21.6						
37324-23-5	Aroclor 1262	E608	ug/kg	21.6						
53469-21-9	Aroclor 1242	E608	ug/kg	21.6						
100-41-4	Ethylbenzene	E624	ug/kg	305						
100-42-5	Styrene	E624	ug/kg	7070						
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL						
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL						
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460						
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7						
107-06-2	1,2-Dichloroethane	E624	ug/kg	432						
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000						

				sys_loc_code:	C92		C93		C93	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C92 0-12		C93 0-12		Z93 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/22/2009		07/13/2009		07/13/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
108-87-2	Methylcyclohexane	E624	ug/kg	NL						
108-88-3	Toluene	E624	ug/kg	1090						
108-90-7	Chlorobenzene	E624	ug/kg	162						
110-82-7	Cyclohexane	E624	ug/kg	117000						
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473						
123-91-1	1,4-Dioxane	E624	ug/kg	44100						
124-48-1	Dibromochloromethane	E624	ug/kg	680						
127-18-4	Tetrachloroethene	E624	ug/kg	190						
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200						
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300						
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300						
179601-23-1	m,p-Xylene	E624	ug/kg	NL						
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842						
56-23-5	Carbon tetrachloride	E624	ug/kg	248						
591-78-6	2-Hexanone	E624	ug/kg	20900						
67-64-1	Acetone	E624	ug/kg	6130000						
67-66-3	Chloroform	E624	ug/kg	295						
71-43-2	Benzene	E624	ug/kg	137						
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856						
74-83-9	Bromomethane	E624	ug/kg	732						
74-87-3	Chloromethane	E624	ug/kg	11900						
74-97-5	Bromochloromethane	E624	ug/kg	NL						
75-00-3	Chloroethane	E624	ug/kg	1450000						
75-01-4	Vinyl Chloride	E624	ug/kg	59.7						
75-09-2	Methylene chloride	E624	ug/kg	10700						
75-15-0	Carbon Disulfide	E624	ug/kg	0.851						
75-25-2	Bromoform	E624	ug/kg	1310						
75-27-4	Bromodichloromethane	E624	ug/kg	273						
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310						
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780						
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700						
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400						
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000						

				sys_loc_code:	C92		C93		C93	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C92 0-12		C93 0-12		Z93 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/22/2009		07/13/2009		07/13/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
78-87-5	1,2-Dichloropropane	E624	ug/kg	895						
78-93-3	2-Butanone	E624	ug/kg	2780000						
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570						
79-01-6	Trichloroethene	E624	ug/kg	1600						
79-20-9	Methyl Acetate	E624	ug/kg	7820000						
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202						
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858						
95-47-6	o-Xylene	E624	ug/kg	NL						
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989						
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35						
98-82-8	Isopropylbenzene	E624	ug/kg	86						
100-01-6	4-Nitroaniline	E625	ug/kg	24300						
100-02-7	4-Nitrophenol	E625	ug/kg	NL						
100-52-7	Benzaldehyde	E625	ug/kg	782000						
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230						
105-60-2	Caprolactam	E625	ug/kg	3060000						
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29						
106-44-5	4-Methylphenol	E625	ug/kg	670						
106-47-8	4-Chloroaniline	E625	ug/kg	2430						
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570						
108-95-2	Phenol	E625	ug/kg	420						
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214						
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300						
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182						
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL						
118-74-1	Hexachlorobenzene	E625	ug/kg	20						
120-12-7	Anthracene	E625	ug/kg	46.9						
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117						
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6						
129-00-0	Pyrene	E625	ug/kg	153						
131-11-3	Dimethylphthalate	E625	ug/kg	NL						
132-64-9	Dibenzofuran	E625	ug/kg	7300						
1912-24-9	Atrazine	E625	ug/kg	6.62						

				sys_loc_code:	C92		C93		C93	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C92 0-12		C93 0-12		Z93 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/22/2009		07/13/2009		07/13/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170						
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17						
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148						
206-44-0	Fluoranthene	E625	ug/kg	113						
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240						
208-96-8	Acenaphthylene	E625	ug/kg	5.87						
218-01-9	Chrysene	E625	ug/kg	108						
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8						
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200						
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611						
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22						
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8						
58-90-2	Chlorophenols	E625	ug/kg	284						
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000						
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120						
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4						
67-72-1	Hexachloroethane	E625	ug/kg	804						
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL						
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139						
78-59-1	Isophorone	E625	ug/kg	511000						
83-32-9	Acenaphthene	E625	ug/kg	6.71						
84-66-2	Diethylphthalate	E625	ug/kg	218						
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160						
85-01-8	Phenanthrene	E625	ug/kg	86.7						
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800						
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100						
86-73-7	Fluorene	E625	ug/kg	19						
86-74-8	Carbazole	E625	ug/kg	NL						
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110						
87-86-5	Pentachlorophenol	E625	ug/kg	2970						
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650						
88-74-4	2-Nitroaniline	E625	ug/kg	60600						
88-75-5	2-Nitrophenol	E625	ug/kg	NL						

				sys_loc_code:	C92		C93		C93	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C92 0-12		C93 0-12		Z93 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/22/2009		07/13/2009		07/13/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
91-20-3	Naphthalene	E625	ug/kg	34.6						
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2						
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000						
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080						
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220						
95-48-7	2-Methylphenol	E625	ug/kg	306000						
95-57-8	2-Chlorophenol	E625	ug/kg	344						
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830						
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819						
98-86-2	Acetophenone	E625	ug/kg	782000						
98-95-3	Nitrobenzene	E625	ug/kg	4790						
99-09-2	3-Nitroaniline	E625	ug/kg	NL						

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				sys_loc_code:	C94		C95		C95		
				loc_name:	Area-11		Area-11		Area-11		
				sys_sample_code:	C94 0-12		C95 0-12		Z95 0-12		
				depth:	0-12 in		0-12 in		0-12 in		
				sample_date:	07/27/2009		07/23/2009		07/23/2009		
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED							
7429-90-5	Aluminum	E200.7	mg/kg	7740			2400	J	1700		
7440-38-2	Arsenic	E200.7	mg/kg	0.389							
7440-70-2	Calcium	E200.7	mg/kg	NL			1700		943		
7440-50-8	Copper	E200.7	mg/kg	18.7							
7439-89-6	Iron	E200.7	mg/kg	2000			28500	J	19200	J	
7439-92-1	Lead	E200.7	mg/kg	30.2							
7439-95-4	Magnesium	E200.7	mg/kg	NL			645		530	J	
7439-96-5	Manganese	E200.7	mg/kg	183							
7440-09-7	Potassium	E200.7	mg/kg	NL			599	U	602	U	
7440-23-5	Sodium	E200.7	mg/kg	NL			1380	J	1320		
7440-66-6	Zinc	E200.7	mg/kg	124							
7440-36-0	Antimony	E200.8	mg/kg	2	1.2	U	1.2	U	1.2	U	
7440-38-2	Arsenic	E200.8	mg/kg	0.389	7.5		6.3	J	4.4	J	
7440-39-3	Barium	E200.8	mg/kg	130.1	2.9	J	6	U	6	UJ	
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.91		0.38		0.23	J	
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.1	J	0.3	U	0.21	J	
7440-47-3	Chromium	E200.8	mg/kg	52.3	35	J	22.9	J	10	J	
7440-48-4	Cobalt	E200.8	mg/kg	2.34	2.2	J	1.2		1.3		
7440-50-8	Copper	E200.8	mg/kg	18.7	6.9	J	9.6	J	11.4		
7439-92-1	Lead	E200.8	mg/kg	30.2	8.9	J	10.3		11.7		
7439-96-5	Manganese	E200.8	mg/kg	183	40.3	J	34		24.7		
7440-02-0	Nickel	E200.8	mg/kg	15.9	4.5		3.6		3.7		
7782-49-2	Selenium	E200.8	mg/kg	2	0.42	J	0.6	U	0.29	J	
7440-22-4	Silver	E200.8	mg/kg	0.73	0.062	J	0.3	U	0.3	UJ	
7440-28-0	Thallium	E200.8	mg/kg	100000	0.62	U	0.6	U	0.6	U	
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	29.4	J	45.4	J	18.5	J	
7440-66-6	Zinc	E200.8	mg/kg	124	32.5		47.8	J	59.2	J	
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.037	U	0.076		0.083		
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6							
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357							
309-00-2	Aldrin	CPEST	ug/kg	2							
319-84-6	Alpha-Bhc	CPEST	ug/kg	3							
319-85-7	Beta-Bhc	CPEST	ug/kg	3							

				sys_loc_code:	C94		C95		C95	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C94 0-12		C95 0-12		Z95 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/27/2009		07/23/2009		07/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
319-86-8	Delta-Bhc	CPEST	ug/kg	3						
33213-65-9	Endosulfan II	CPEST	ug/kg	14						
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19						
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7						
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7						
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL						
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32						
60-57-1	Dieldrin	CPEST	ug/kg	0.72						
72-20-8	Endrin	CPEST	ug/kg	2.67						
72-43-5	Methoxychlor	CPEST	ug/kg	29.6						
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22						
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07						
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL						
76-44-8	Heptachlor	CPEST	ug/kg	68						
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1						
959-98-8	Endosulfan I	CPEST	ug/kg	2.9						
11096-82-5	Aroclor 1260	E608	ug/kg	21.6						
11097-69-1	Aroclor 1254	E608	ug/kg	23						
11100-14-4	Aroclor 1268	E608	ug/kg	21.6						
11104-28-2	Aroclor 1221	E608	ug/kg	21.6						
11141-16-5	Aroclor 1232	E608	ug/kg	21.6						
12672-29-6	Aroclor 1248	E608	ug/kg	21.6						
12674-11-2	Aroclor 1016	E608	ug/kg	21.6						
37324-23-5	Aroclor 1262	E608	ug/kg	21.6						
53469-21-9	Aroclor 1242	E608	ug/kg	21.6						
100-41-4	Ethylbenzene	E624	ug/kg	305						
100-42-5	Styrene	E624	ug/kg	7070						
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL						
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL						
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460						
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7						
107-06-2	1,2-Dichloroethane	E624	ug/kg	432						
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000						

				sys_loc_code:	C94		C95		C95	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C94 0-12		C95 0-12		Z95 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/27/2009		07/23/2009		07/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
108-87-2	Methylcyclohexane	E624	ug/kg	NL						
108-88-3	Toluene	E624	ug/kg	1090						
108-90-7	Chlorobenzene	E624	ug/kg	162						
110-82-7	Cyclohexane	E624	ug/kg	117000						
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473						
123-91-1	1,4-Dioxane	E624	ug/kg	44100						
124-48-1	Dibromochloromethane	E624	ug/kg	680						
127-18-4	Tetrachloroethene	E624	ug/kg	190						
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200						
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300						
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300						
179601-23-1	m,p-Xylene	E624	ug/kg	NL						
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842						
56-23-5	Carbon tetrachloride	E624	ug/kg	248						
591-78-6	2-Hexanone	E624	ug/kg	20900						
67-64-1	Acetone	E624	ug/kg	6130000						
67-66-3	Chloroform	E624	ug/kg	295						
71-43-2	Benzene	E624	ug/kg	137						
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856						
74-83-9	Bromomethane	E624	ug/kg	732						
74-87-3	Chloromethane	E624	ug/kg	11900						
74-97-5	Bromochloromethane	E624	ug/kg	NL						
75-00-3	Chloroethane	E624	ug/kg	1450000						
75-01-4	Vinyl Chloride	E624	ug/kg	59.7						
75-09-2	Methylene chloride	E624	ug/kg	10700						
75-15-0	Carbon Disulfide	E624	ug/kg	0.851						
75-25-2	Bromoform	E624	ug/kg	1310						
75-27-4	Bromodichloromethane	E624	ug/kg	273						
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310						
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780						
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700						
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400						
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000						

				sys_loc_code:	C94		C95		C95	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C94 0-12		C95 0-12		Z95 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/27/2009		07/23/2009		07/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
78-87-5	1,2-Dichloropropane	E624	ug/kg	895						
78-93-3	2-Butanone	E624	ug/kg	2780000						
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570						
79-01-6	Trichloroethene	E624	ug/kg	1600						
79-20-9	Methyl Acetate	E624	ug/kg	7820000						
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202						
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858						
95-47-6	o-Xylene	E624	ug/kg	NL						
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989						
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35						
98-82-8	Isopropylbenzene	E624	ug/kg	86						
100-01-6	4-Nitroaniline	E625	ug/kg	24300						
100-02-7	4-Nitrophenol	E625	ug/kg	NL						
100-52-7	Benzaldehyde	E625	ug/kg	782000						
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230						
105-60-2	Caprolactam	E625	ug/kg	3060000						
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29						
106-44-5	4-Methylphenol	E625	ug/kg	670						
106-47-8	4-Chloroaniline	E625	ug/kg	2430						
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570						
108-95-2	Phenol	E625	ug/kg	420						
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214						
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300						
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182						
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL						
118-74-1	Hexachlorobenzene	E625	ug/kg	20						
120-12-7	Anthracene	E625	ug/kg	46.9						
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117						
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6						
129-00-0	Pyrene	E625	ug/kg	153						
131-11-3	Dimethylphthalate	E625	ug/kg	NL						
132-64-9	Dibenzofuran	E625	ug/kg	7300						
1912-24-9	Atrazine	E625	ug/kg	6.62						

				sys_loc_code:	C94		C95		C95	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C94 0-12		C95 0-12		Z95 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/27/2009		07/23/2009		07/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170						
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17						
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148						
206-44-0	Fluoranthene	E625	ug/kg	113						
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240						
208-96-8	Acenaphthylene	E625	ug/kg	5.87						
218-01-9	Chrysene	E625	ug/kg	108						
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8						
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200						
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611						
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22						
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8						
58-90-2	Chlorophenols	E625	ug/kg	284						
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000						
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120						
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4						
67-72-1	Hexachloroethane	E625	ug/kg	804						
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL						
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139						
78-59-1	Isophorone	E625	ug/kg	511000						
83-32-9	Acenaphthene	E625	ug/kg	6.71						
84-66-2	Diethylphthalate	E625	ug/kg	218						
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160						
85-01-8	Phenanthrene	E625	ug/kg	86.7						
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800						
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100						
86-73-7	Fluorene	E625	ug/kg	19						
86-74-8	Carbazole	E625	ug/kg	NL						
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110						
87-86-5	Pentachlorophenol	E625	ug/kg	2970						
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650						
88-74-4	2-Nitroaniline	E625	ug/kg	60600						
88-75-5	2-Nitrophenol	E625	ug/kg	NL						

				sys_loc_code:	C94		C95		C95	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C94 0-12		C95 0-12		Z95 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/27/2009		07/23/2009		07/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
91-20-3	Naphthalene	E625	ug/kg	34.6						
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2						
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000						
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080						
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220						
95-48-7	2-Methylphenol	E625	ug/kg	306000						
95-57-8	2-Chlorophenol	E625	ug/kg	344						
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830						
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819						
98-86-2	Acetophenone	E625	ug/kg	782000						
98-95-3	Nitrobenzene	E625	ug/kg	4790						
99-09-2	3-Nitroaniline	E625	ug/kg	NL						

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Area 11 Sediment < 12

				sys_loc_code:	C96			C97		C98	
				loc_name:	Area-11			Area-11		Area-11	
				sys_sample_code:	C96 0-12			C97 0-12		C98 0-12	
				depth:	0-12 in			0-12 in		0-12 in	
				sample_date:	07/23/2009			07/23/2009		07/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED							
7429-90-5	Aluminum	E200.7	mg/kg	7740	2120	J		1340	J	1800	J
7440-38-2	Arsenic	E200.7	mg/kg	0.389							
7440-70-2	Calcium	E200.7	mg/kg	NL	4190			2230		3000	J
7440-50-8	Copper	E200.7	mg/kg	18.7							
7439-89-6	Iron	E200.7	mg/kg	2000	21900	J		8660	J	5740	J
7439-92-1	Lead	E200.7	mg/kg	30.2							
7439-95-4	Magnesium	E200.7	mg/kg	NL	698			629	U	772	J
7439-96-5	Manganese	E200.7	mg/kg	183							
7440-09-7	Potassium	E200.7	mg/kg	NL	615	U		629	U	399	J
7440-23-5	Sodium	E200.7	mg/kg	NL	1560	J		1530	J	1850	J
7440-66-6	Zinc	E200.7	mg/kg	124							
7440-36-0	Antimony	E200.8	mg/kg	2	1.2	U		1.3	U	1.3	UJ
7440-38-2	Arsenic	E200.8	mg/kg	0.389	11.3	J		5.8	J	6.7	
7440-39-3	Barium	E200.8	mg/kg	130.1	6.1	U		6.3	U	6.4	UJ
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.44			0.31	U	0.19	J
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.31	U		0.31	U	0.37	
7440-47-3	Chromium	E200.8	mg/kg	52.3	22.7	J		11.7	J	10.4	
7440-48-4	Cobalt	E200.8	mg/kg	2.34	2.2			1.7		1.6	
7440-50-8	Copper	E200.8	mg/kg	18.7	18.7	J		22	J	38.8	
7439-92-1	Lead	E200.8	mg/kg	30.2	16			16.7		19.6	
7439-96-5	Manganese	E200.8	mg/kg	183	44.5			31.6		33.1	
7440-02-0	Nickel	E200.8	mg/kg	15.9	7.3			5		6.1	
7782-49-2	Selenium	E200.8	mg/kg	2	0.83			0.63	U	0.64	J
7440-22-4	Silver	E200.8	mg/kg	0.73	0.31	U		0.31	U	0.37	
7440-28-0	Thallium	E200.8	mg/kg	100000	0.61	U		0.63	U	0.64	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	31.1	J		16.5	J	11.1	J
7440-66-6	Zinc	E200.8	mg/kg	124	75.2	J		59.4	J	54.7	
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.11			0.15		0.18	
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6							
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357							
309-00-2	Aldrin	CPEST	ug/kg	2							
319-84-6	Alpha-Bhc	CPEST	ug/kg	3							
319-85-7	Beta-Bhc	CPEST	ug/kg	3							

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				sys_loc_code:	C96		C97		C98	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C96 0-12		C97 0-12		C98 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/23/2009		07/23/2009		07/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
319-86-8	Delta-Bhc	CPEST	ug/kg	3						
33213-65-9	Endosulfan II	CPEST	ug/kg	14						
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19						
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7						
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7						
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL						
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32						
60-57-1	Dieldrin	CPEST	ug/kg	0.72						
72-20-8	Endrin	CPEST	ug/kg	2.67						
72-43-5	Methoxychlor	CPEST	ug/kg	29.6						
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22						
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07						
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL						
76-44-8	Heptachlor	CPEST	ug/kg	68						
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1						
959-98-8	Endosulfan I	CPEST	ug/kg	2.9						
11096-82-5	Aroclor 1260	E608	ug/kg	21.6						
11097-69-1	Aroclor 1254	E608	ug/kg	23						
11100-14-4	Aroclor 1268	E608	ug/kg	21.6						
11104-28-2	Aroclor 1221	E608	ug/kg	21.6						
11141-16-5	Aroclor 1232	E608	ug/kg	21.6						
12672-29-6	Aroclor 1248	E608	ug/kg	21.6						
12674-11-2	Aroclor 1016	E608	ug/kg	21.6						
37324-23-5	Aroclor 1262	E608	ug/kg	21.6						
53469-21-9	Aroclor 1242	E608	ug/kg	21.6						
100-41-4	Ethylbenzene	E624	ug/kg	305						
100-42-5	Styrene	E624	ug/kg	7070						
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL						
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL						
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460						
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7						
107-06-2	1,2-Dichloroethane	E624	ug/kg	432						
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000						

				sys_loc_code:	C96		C97		C98	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C96 0-12		C97 0-12		C98 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/23/2009		07/23/2009		07/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
108-87-2	Methylcyclohexane	E624	ug/kg	NL						
108-88-3	Toluene	E624	ug/kg	1090						
108-90-7	Chlorobenzene	E624	ug/kg	162						
110-82-7	Cyclohexane	E624	ug/kg	117000						
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473						
123-91-1	1,4-Dioxane	E624	ug/kg	44100						
124-48-1	Dibromochloromethane	E624	ug/kg	680						
127-18-4	Tetrachloroethene	E624	ug/kg	190						
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200						
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300						
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300						
179601-23-1	m,p-Xylene	E624	ug/kg	NL						
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842						
56-23-5	Carbon tetrachloride	E624	ug/kg	248						
591-78-6	2-Hexanone	E624	ug/kg	20900						
67-64-1	Acetone	E624	ug/kg	6130000						
67-66-3	Chloroform	E624	ug/kg	295						
71-43-2	Benzene	E624	ug/kg	137						
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856						
74-83-9	Bromomethane	E624	ug/kg	732						
74-87-3	Chloromethane	E624	ug/kg	11900						
74-97-5	Bromochloromethane	E624	ug/kg	NL						
75-00-3	Chloroethane	E624	ug/kg	1450000						
75-01-4	Vinyl Chloride	E624	ug/kg	59.7						
75-09-2	Methylene chloride	E624	ug/kg	10700						
75-15-0	Carbon Disulfide	E624	ug/kg	0.851						
75-25-2	Bromoform	E624	ug/kg	1310						
75-27-4	Bromodichloromethane	E624	ug/kg	273						
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310						
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780						
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700						
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400						
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000						

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				sys_loc_code:	C96		C97		C98	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C96 0-12		C97 0-12		C98 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/23/2009		07/23/2009		07/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
78-87-5	1,2-Dichloropropane	E624	ug/kg	895						
78-93-3	2-Butanone	E624	ug/kg	2780000						
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570						
79-01-6	Trichloroethene	E624	ug/kg	1600						
79-20-9	Methyl Acetate	E624	ug/kg	7820000						
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202						
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858						
95-47-6	o-Xylene	E624	ug/kg	NL						
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989						
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35						
98-82-8	Isopropylbenzene	E624	ug/kg	86						
100-01-6	4-Nitroaniline	E625	ug/kg	24300						
100-02-7	4-Nitrophenol	E625	ug/kg	NL						
100-52-7	Benzaldehyde	E625	ug/kg	782000						
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230						
105-60-2	Caprolactam	E625	ug/kg	3060000						
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29						
106-44-5	4-Methylphenol	E625	ug/kg	670						
106-47-8	4-Chloroaniline	E625	ug/kg	2430						
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570						
108-95-2	Phenol	E625	ug/kg	420						
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214						
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300						
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182						
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL						
118-74-1	Hexachlorobenzene	E625	ug/kg	20						
120-12-7	Anthracene	E625	ug/kg	46.9						
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117						
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6						
129-00-0	Pyrene	E625	ug/kg	153						
131-11-3	Dimethylphthalate	E625	ug/kg	NL						
132-64-9	Dibenzofuran	E625	ug/kg	7300						
1912-24-9	Atrazine	E625	ug/kg	6.62						

				sys_loc_code:	C96		C97		C98	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C96 0-12		C97 0-12		C98 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/23/2009		07/23/2009		07/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170						
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17						
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148						
206-44-0	Fluoranthene	E625	ug/kg	113						
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240						
208-96-8	Acenaphthylene	E625	ug/kg	5.87						
218-01-9	Chrysene	E625	ug/kg	108						
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8						
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200						
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611						
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22						
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8						
58-90-2	Chlorophenols	E625	ug/kg	284						
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000						
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120						
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4						
67-72-1	Hexachloroethane	E625	ug/kg	804						
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL						
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139						
78-59-1	Isophorone	E625	ug/kg	511000						
83-32-9	Acenaphthene	E625	ug/kg	6.71						
84-66-2	Diethylphthalate	E625	ug/kg	218						
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160						
85-01-8	Phenanthrene	E625	ug/kg	86.7						
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800						
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100						
86-73-7	Fluorene	E625	ug/kg	19						
86-74-8	Carbazole	E625	ug/kg	NL						
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110						
87-86-5	Pentachlorophenol	E625	ug/kg	2970						
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650						
88-74-4	2-Nitroaniline	E625	ug/kg	60600						
88-75-5	2-Nitrophenol	E625	ug/kg	NL						

				sys_loc_code:	C96		C97		C98	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C96 0-12		C97 0-12		C98 0-12	
				depth:	0-12 in		0-12 in		0-12 in	
				sample_date:	07/23/2009		07/23/2009		07/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
91-20-3	Naphthalene	E625	ug/kg	34.6						
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2						
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000						
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080						
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220						
95-48-7	2-Methylphenol	E625	ug/kg	306000						
95-57-8	2-Chlorophenol	E625	ug/kg	344						
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830						
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819						
98-86-2	Acetophenone	E625	ug/kg	782000						
98-95-3	Nitrobenzene	E625	ug/kg	4790						
99-09-2	3-Nitroaniline	E625	ug/kg	NL						

				sys_loc_code:	C99	
				loc_name:	Area-11	
				sys_sample_code:	C99 0-12	
				depth:	0-12 in	
				sample_date:	07/10/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED		
7429-90-5	Aluminum	E200.7	mg/kg	7740	3560	J
7440-38-2	Arsenic	E200.7	mg/kg	0.389		
7440-70-2	Calcium	E200.7	mg/kg	NL	723	J
7440-50-8	Copper	E200.7	mg/kg	18.7		
7439-89-6	Iron	E200.7	mg/kg	2000	11600	J
7439-92-1	Lead	E200.7	mg/kg	30.2		
7439-95-4	Magnesium	E200.7	mg/kg	NL	1260	J
7439-96-5	Manganese	E200.7	mg/kg	183		
7440-09-7	Potassium	E200.7	mg/kg	NL	684	UJ
7440-23-5	Sodium	E200.7	mg/kg	NL	1270	J
7440-66-6	Zinc	E200.7	mg/kg	124		
7440-36-0	Antimony	E200.8	mg/kg	2	1.4	U
7440-38-2	Arsenic	E200.8	mg/kg	0.389	10.7	J
7440-39-3	Barium	E200.8	mg/kg	130.1	7.9	J
7440-41-7	Beryllium	E200.8	mg/kg	15.6	0.3	J
7440-43-9	Cadmium	E200.8	mg/kg	0.68	0.35	
7440-47-3	Chromium	E200.8	mg/kg	52.3	16.1	
7440-48-4	Cobalt	E200.8	mg/kg	2.34	2.3	
7440-50-8	Copper	E200.8	mg/kg	18.7	46.7	
7439-92-1	Lead	E200.8	mg/kg	30.2	27.6	
7439-96-5	Manganese	E200.8	mg/kg	183	51	
7440-02-0	Nickel	E200.8	mg/kg	15.9	7.8	
7782-49-2	Selenium	E200.8	mg/kg	2	1.1	J
7440-22-4	Silver	E200.8	mg/kg	0.73	0.43	J
7440-28-0	Thallium	E200.8	mg/kg	100000	0.69	U
7440-62-2	Vanadium (Fume Or Dust)	E200.8	mg/kg	0.548	19.5	
7440-66-6	Zinc	E200.8	mg/kg	124	68.3	
7439-97-6	Mercury	E245.5	mg/kg	0.13	0.31	
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6		
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357		
309-00-2	Aldrin	CPEST	ug/kg	2		
319-84-6	Alpha-Bhc	CPEST	ug/kg	3		
319-85-7	Beta-Bhc	CPEST	ug/kg	3		

				sys_loc_code:	C99	
				loc_name:	Area-11	
				sys_sample_code:	C99 0-12	
				depth:	0-12 in	
				sample_date:	07/10/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED		
319-86-8	Delta-Bhc	CPEST	ug/kg	3		
33213-65-9	Endosulfan II	CPEST	ug/kg	14		
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19		
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7		
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7		
53494-70-5	Endrin Ketone	CPEST	ug/kg	NL		
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32		
60-57-1	Dieldrin	CPEST	ug/kg	0.72		
72-20-8	Endrin	CPEST	ug/kg	2.67		
72-43-5	Methoxychlor	CPEST	ug/kg	29.6		
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22		
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07		
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	NL		
76-44-8	Heptachlor	CPEST	ug/kg	68		
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1		
959-98-8	Endosulfan I	CPEST	ug/kg	2.9		
11096-82-5	Aroclor 1260	E608	ug/kg	21.6		
11097-69-1	Aroclor 1254	E608	ug/kg	23		
11100-14-4	Aroclor 1268	E608	ug/kg	21.6		
11104-28-2	Aroclor 1221	E608	ug/kg	21.6		
11141-16-5	Aroclor 1232	E608	ug/kg	21.6		
12672-29-6	Aroclor 1248	E608	ug/kg	21.6		
12674-11-2	Aroclor 1016	E608	ug/kg	21.6		
37324-23-5	Aroclor 1262	E608	ug/kg	21.6		
53469-21-9	Aroclor 1242	E608	ug/kg	21.6		
100-41-4	Ethylbenzene	E624	ug/kg	305		
100-42-5	Styrene	E624	ug/kg	7070		
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	NL		
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	NL		
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460		
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7		
107-06-2	1,2-Dichloroethane	E624	ug/kg	432		
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000		

				sys_loc_code:	C99	
				loc_name:	Area-11	
				sys_sample_code:	C99 0-12	
				depth:	0-12 in	
				sample_date:	07/10/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED		
108-87-2	Methylcyclohexane	E624	ug/kg	NL		
108-88-3	Toluene	E624	ug/kg	1090		
108-90-7	Chlorobenzene	E624	ug/kg	162		
110-82-7	Cyclohexane	E624	ug/kg	117000		
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473		
123-91-1	1,4-Dioxane	E624	ug/kg	44100		
124-48-1	Dibromochloromethane	E624	ug/kg	680		
127-18-4	Tetrachloroethene	E624	ug/kg	190		
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200		
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300		
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300		
179601-23-1	m,p-Xylene	E624	ug/kg	NL		
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842		
56-23-5	Carbon tetrachloride	E624	ug/kg	248		
591-78-6	2-Hexanone	E624	ug/kg	20900		
67-64-1	Acetone	E624	ug/kg	6130000		
67-66-3	Chloroform	E624	ug/kg	295		
71-43-2	Benzene	E624	ug/kg	137		
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856		
74-83-9	Bromomethane	E624	ug/kg	732		
74-87-3	Chloromethane	E624	ug/kg	11900		
74-97-5	Bromochloromethane	E624	ug/kg	NL		
75-00-3	Chloroethane	E624	ug/kg	1450000		
75-01-4	Vinyl Chloride	E624	ug/kg	59.7		
75-09-2	Methylene chloride	E624	ug/kg	10700		
75-15-0	Carbon Disulfide	E624	ug/kg	0.851		
75-25-2	Bromoform	E624	ug/kg	1310		
75-27-4	Bromodichloromethane	E624	ug/kg	273		
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310		
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780		
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700		
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000		

				sys_loc_code:	C99	
				loc_name:	Area-11	
				sys_sample_code:	C99 0-12	
				depth:	0-12 in	
				sample_date:	07/10/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED		
78-87-5	1,2-Dichloropropane	E624	ug/kg	895		
78-93-3	2-Butanone	E624	ug/kg	2780000		
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570		
79-01-6	Trichloroethene	E624	ug/kg	1600		
79-20-9	Methyl Acetate	E624	ug/kg	7820000		
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202		
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858		
95-47-6	o-Xylene	E624	ug/kg	NL		
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989		
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35		
98-82-8	Isopropylbenzene	E624	ug/kg	86		
100-01-6	4-Nitroaniline	E625	ug/kg	24300		
100-02-7	4-Nitrophenol	E625	ug/kg	NL		
100-52-7	Benzaldehyde	E625	ug/kg	782000		
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230		
105-60-2	Caprolactam	E625	ug/kg	3060000		
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29		
106-44-5	4-Methylphenol	E625	ug/kg	670		
106-47-8	4-Chloroaniline	E625	ug/kg	2430		
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570		
108-95-2	Phenol	E625	ug/kg	420		
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214		
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300		
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182		
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	NL		
118-74-1	Hexachlorobenzene	E625	ug/kg	20		
120-12-7	Anthracene	E625	ug/kg	46.9		
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117		
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6		
129-00-0	Pyrene	E625	ug/kg	153		
131-11-3	Dimethylphthalate	E625	ug/kg	NL		
132-64-9	Dibenzofuran	E625	ug/kg	7300		
1912-24-9	Atrazine	E625	ug/kg	6.62		

				sys_loc_code:	C99	
				loc_name:	Area-11	
				sys_sample_code:	C99 0-12	
				depth:	0-12 in	
				sample_date:	07/10/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED		
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170		
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17		
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148		
206-44-0	Fluoranthene	E625	ug/kg	113		
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240		
208-96-8	Acenaphthylene	E625	ug/kg	5.87		
218-01-9	Chrysene	E625	ug/kg	108		
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8		
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200		
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611		
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22		
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8		
58-90-2	Chlorophenols	E625	ug/kg	284		
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000		
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120		
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4		
67-72-1	Hexachloroethane	E625	ug/kg	804		
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	NL		
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139		
78-59-1	Isophorone	E625	ug/kg	511000		
83-32-9	Acenaphthene	E625	ug/kg	6.71		
84-66-2	Diethylphthalate	E625	ug/kg	218		
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160		
85-01-8	Phenanthrene	E625	ug/kg	86.7		
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800		
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100		
86-73-7	Fluorene	E625	ug/kg	19		
86-74-8	Carbazole	E625	ug/kg	NL		
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110		
87-86-5	Pentachlorophenol	E625	ug/kg	2970		
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650		
88-74-4	2-Nitroaniline	E625	ug/kg	60600		
88-75-5	2-Nitrophenol	E625	ug/kg	NL		

				sys_loc_code:	C99	
				loc_name:	Area-11	
				sys_sample_code:	C99 0-12	
				depth:	0-12 in	
				sample_date:	07/10/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED		
91-20-3	Naphthalene	E625	ug/kg	34.6		
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2		
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000		
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080		
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220		
95-48-7	2-Methylphenol	E625	ug/kg	306000		
95-57-8	2-Chlorophenol	E625	ug/kg	344		
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830		
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819		
98-86-2	Acetophenone	E625	ug/kg	782000		
98-95-3	Nitrobenzene	E625	ug/kg	4790		
99-09-2	3-Nitroaniline	E625	ug/kg	NL		

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Sediment Results - Organics

Raritan Bay Slag Superfund Site
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Sample Results - Organics

				sys_loc_code:	A116		A136		A146		A17	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A116 0-6		A136 0-6		A146 0-6		A17 0-6	
				sample_date:	07/20/2009		07/14/2009		07/14/2009		07/01/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856	6.4	U	6.1	U	5.3	U	5.5	U
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202	6.4	U	6.1	U	5.3	U	5.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000	6.4	U	6.1	U	5.3	U	5.5	U
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570	6.4	U	6.1	U	5.3	U	5.5	U
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310	6.4	U	6.1	U	5.3	U	5.5	U
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780	6.4	U	6.1	U	5.3	U	5.5	U
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858	6.4	U	6.1	U	5.3	U	5.5	U
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473	6.4	U	6.1	U	5.3	U	5.5	U
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35	6.4	U	6.1	U	5.3	U	5.5	U
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7	6.4	U	6.1	U	5.3	U	5.5	U
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989	6.4	U	6.1	U	5.3	U	5.5	U
107-06-2	1,2-Dichloroethane	E624	ug/kg	432	6.4	U	6.1	U	5.3	U	5.5	U
78-87-5	1,2-Dichloropropane	E624	ug/kg	895	6.4	U	6.1	U	5.3	U	5.5	U
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842	6.4	U	6.1	U	5.3	U	5.5	U
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460	6.4	U	6.1	U	5.3	U	5.5	U
123-91-1	1,4-Dioxane	E624	ug/kg	44100	130	R	120	R	110	R	110	R
78-93-3	2-Butanone	E624	ug/kg	2780000	13	U	12	U	11	U	11	U
591-78-6	2-Hexanone	E624	ug/kg	20900	13	U	12	U	11	U	11	U
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000	13	U	12	U	11	U	11	U
67-64-1	Acetone	E624	ug/kg	6130000	28		12	U	11	U	11	U
71-43-2	Benzene	E624	ug/kg	137	6.4	U	6.1	U	5.3	U	5.5	U
74-97-5	Bromochloromethane	E624	ug/kg	N/A	6.4	U	6.1	U	5.3	U	5.5	U
75-27-4	Bromodichloromethane	E624	ug/kg	273	6.4	U	6.1	U	5.3	U	5.5	U
75-25-2	Bromoform	E624	ug/kg	1310	6.4	U	6.1	U	5.3	U	5.5	U
74-83-9	Bromomethane	E624	ug/kg	732	6.4	U	6.1	U	5.3	U	5.5	U
75-15-0	Carbon Disulfide	E624	ug/kg	0.851	2.1	J	6.1	U	5.3	U	5.5	U
56-23-5	Carbon tetrachloride	E624	ug/kg	248	6.4	U	6.1	U	5.3	U	5.5	U
108-90-7	Chlorobenzene	E624	ug/kg	162	6.4	U	6.1	U	5.3	U	1.2	J
75-00-3	Chloroethane	E624	ug/kg	1450000	6.4	U	6.1	U	5.3	U	5.5	U
67-66-3	Chloroform	E624	ug/kg	295	6.4	U	6.1	U	5.3	U	5.5	U
74-87-3	Chloromethane	E624	ug/kg	11900	6.4	U	6.1	U	5.3	U	5.5	U
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200	6.4	U	6.1	U	5.3	U	5.5	U

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Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Sample Results - Organics

				sys_loc_code:	A116		A136		A146		A17	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A116 0-6		A136 0-6		A146 0-6		A17 0-6	
				sample_date:	07/20/2009		07/14/2009		07/14/2009		07/01/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	N/A	6.4	U	6.1	U	5.3	U	5.5	U
110-82-7	Cyclohexane	E624	ug/kg	117000	6.4	U	6.1	U	5.3	U	5.5	U
124-48-1	Dibromochloromethane	E624	ug/kg	680	6.4	U	6.1	U	5.3	U	5.5	U
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400	6.4	U	6.1	U	5.3	U	5.5	U
100-41-4	Ethylbenzene	E624	ug/kg	305	6.4	U	6.1	U	5.3	U	5.5	U
98-82-8	Isopropylbenzene	E624	ug/kg	86	6.4	U	6.1	U	5.3	U	5.5	U
179601-23-1	m,p-Xylene	E624	ug/kg	N/A	6.4	U	6.1	U	5.3	U	5.5	U
79-20-9	Methyl Acetate	E624	ug/kg	7820000	6.4	U	6.1	U	5.3	U	5.5	U
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300	6.4	U	6.1	U	5.3	U	5.5	U
108-87-2	Methylcyclohexane	E624	ug/kg	N/A	6.4	U	6.1	U	5.3	U	5.5	U
75-09-2	Methylene chloride	E624	ug/kg	10700	6.4	U	6.1	U	5.3	U	5.5	U
95-47-6	o-Xylene	E624	ug/kg	N/A	6.4	U	6.1	U	5.3	U	5.5	U
100-42-5	Styrene	E624	ug/kg	7070	6.4	U	6.1	U	5.3	U	5.5	U
127-18-4	Tetrachloroethene	E624	ug/kg	190	6.4	U	6.1	U	5.3	U	5.5	U
108-88-3	Toluene	E624	ug/kg	1090	6.4	U	6.1	U	5.3	U	5.5	U
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300	6.4	U	6.1	U	5.3	U	5.5	U
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	N/A	6.4	U	6.1	U	5.3	U	5.5	U
79-01-6	Trichloroethene	E624	ug/kg	1600	6.4	U	6.1	U	5.3	U	5.5	U
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700	6.4	U	6.1	U	5.3	U	5.5	U
75-01-4	Vinyl Chloride	E624	ug/kg	59.7	6.4	U	6.1	U	5.3	U	5.5	U
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220	220	U	230	U	210	U	200	U
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830	220	U	230	U	210	U	200	U
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819	220	U	230	U	210	U	200	U
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650	220	U	230	U	210	U	200	U
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117	220	U	230	U	210	U	200	U
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29	220	U	230	U	210	U	200	U
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200	430	U	440	U	410	U	390	U
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6	220	U	230	U	210	U	200	U
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120	220	U	230	U	210	U	200	U
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000	220	U	230	U	210	U	200	U
95-57-8	2-Chlorophenol	E625	ug/kg	344	220	U	230	U	210	U	200	U
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2	220	U	230	U	210	U	200	U
95-48-7	2-Methylphenol	E625	ug/kg	306000	220	U	230	U	210	U	200	U
88-74-4	2-Nitroaniline	E625	ug/kg	60600	430	U	440	U	410	U	390	U

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Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Sample Results - Organics

				sys_loc_code:	A116		A136		A146		A17	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A116 0-6		A136 0-6		A146 0-6		A17 0-6	
				sample_date:	07/20/2009		07/14/2009		07/14/2009		07/01/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
88-75-5	2-Nitrophenol	E625	ug/kg	N/A	220	U	230	U	210	U	200	U
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080	220	U	230	U	210	U	200	U
99-09-2	3-Nitroaniline	E625	ug/kg	N/A	430	U	440	U	410	U	390	U
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611	430	U	440	U	410	U	390	U
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230	220	UJ	230	U	210	U	200	U
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000	220	U	230	U	210	U	200	U
106-47-8	4-Chloroaniline	E625	ug/kg	2430	220	U	230	U	210	U	200	U
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	N/A	220	U	230	U	210	U	200	U
106-44-5	4-Methylphenol	E625	ug/kg	670	220	U	230	U	210	U	200	U
100-01-6	4-Nitroaniline	E625	ug/kg	24300	430	U	440	U	410	U	390	U
100-02-7	4-Nitrophenol	E625	ug/kg	N/A	430	U	440	U	410	U	390	U
83-32-9	Acenaphthene	E625	ug/kg	6.71	220	U	230	U	210	U	200	U
208-96-8	Acenaphthylene	E625	ug/kg	5.87	220	U	230	U	210	U	200	U
98-86-2	Acetophenone	E625	ug/kg	782000	21	J	33	J	30	J	33	J
120-12-7	Anthracene	E625	ug/kg	46.9	220	U	230	U	210	U	200	U
1912-24-9	Atrazine	E625	ug/kg	6.62	220	U	230	U	210	U	200	U
100-52-7	Benzaldehyde	E625	ug/kg	782000	54	J	110	J	58	J	120	J
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8	12	J	13	J	210	U	8.6	J
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8	12	J	6.8	J	210	U	200	U
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148	14	J	10	J	210	U	11	J
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170	220	U	230	U	210	U	200	U
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240	220	U	230	U	210	U	200	U
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300	220	U	230	U	210	U	200	U
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214	220	U	230	U	210	U	200	U
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182	21	J	23	J	25	J	21	J
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570	220	U	230	U	210	U	200	U
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800	220	U	230	U	210	U	200	U
105-60-2	Caprolactam	E625	ug/kg	3060000	220	U	230	U	210	U	200	U
86-74-8	Carbazole	E625	ug/kg	N/A	220	U	230	U	210	U	200	U
58-90-2	Chlorophenols	E625	ug/kg	284	220	U	230	U	210	U	200	U
218-01-9	Chrysene	E625	ug/kg	108	7.2	J	230	U	210	U	7.5	J
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22	220	U	230	U	210	U	200	U
132-64-9	Dibenzofuran	E625	ug/kg	7300	220	U	230	U	210	U	200	U
84-66-2	Diethylphthalate	E625	ug/kg	218	7.5	J	12	J	210	U	200	U

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Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Sample Results - Organics

				sys_loc_code:	A116		A136		A146		A17	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A116 0-6		A136 0-6		A146 0-6		A17 0-6	
				sample_date:	07/20/2009		07/14/2009		07/14/2009		07/01/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
131-11-3	Dimethylphthalate	E625	ug/kg	N/A	220	U	230	U	210	U	200	U
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160	10	J	12	J	210	U	200	U
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	N/A	220	U	230	U	210	U	200	U
206-44-0	Fluoranthene	E625	ug/kg	113	13	J	18	J	210	U	14	J
86-73-7	Fluorene	E625	ug/kg	19	220	U	230	U	210	U	200	UJ
118-74-1	Hexachlorobenzene	E625	ug/kg	20	220	UJ	230	U	210	U	200	U
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110	220	U	230	U	210	U	200	U
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139	220	U	230	U	210	U	200	U
67-72-1	Hexachloroethane	E625	ug/kg	804	220	U	230	U	210	U	200	U
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17	220	U	230	U	210	U	200	U
78-59-1	Isophorone	E625	ug/kg	511000	220	U	230	U	210	U	200	U
91-20-3	Naphthalene	E625	ug/kg	34.6	220	U	7.5	J	210	U	200	U
98-95-3	Nitrobenzene	E625	ug/kg	4790	220	U	230	U	210	U	200	U
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4	220	U	230	U	210	U	200	U
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100	220	U	230	U	210	U	200	U
87-86-5	Pentachlorophenol	E625	ug/kg	2970	430	U	440	U	410	U	390	U
85-01-8	Phenanthrene	E625	ug/kg	86.7	7.4	J	9.8	J	6.9	J	7.8	J
108-95-2	Phenol	E625	ug/kg	420	28	J	60	J	27	J	16	J
129-00-0	Pyrene	E625	ug/kg	153	16	J	16	J	8.7	J	13	J
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6	2.2	U	2.3	U	2.1	UJ	0.19	J
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357	4.3	U	4.4	U	4.1	U	3.9	U
309-00-2	Aldrin	CPEST	ug/kg	2	2.2	U	2.3	U	2.1	U	2	U
319-84-6	Alpha-Bhc	CPEST	ug/kg	3	2.2	U	2.3	U	2.1	U	2	U
319-85-7	Beta-Bhc	CPEST	ug/kg	3	2.2	U	2.3	U	2.1	U	2	U
319-86-8	Delta-Bhc	CPEST	ug/kg	3	2.2	U	2.3	U	2.1	U	2	U
33213-65-9	Endosulfan II	CPEST	ug/kg	14	4.3	U	4.4	U	4.1	U	3.9	U
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19	4.3	UJ	4.4	UJ	0.41	J	3.9	U
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7	2.2	U	2.3	U	2.1	U	2	U
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7	2.2	U	2.3	U	0.23	J	2	U
53494-70-5	Endrin Ketone	CPEST	ug/kg	N/A	0.059	J	4.4	U	4.1	U	3.9	U
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32	2.2	U	2.3	U	2.1	U	2	U
60-57-1	Dieldrin	CPEST	ug/kg	0.72	4.3	U	4.4	U	4.1	U	3.9	U
72-20-8	Endrin	CPEST	ug/kg	2.67	4.3	U	4.4	U	4.1	U	3.9	U
72-43-5	Methoxychlor	CPEST	ug/kg	29.6	22	U	23	U	21	U	20	U

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Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Sample Results - Organics

				sys_loc_code:	A116		A136		A146		A17	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A116 0-6		A136 0-6		A146 0-6		A17 0-6	
				sample_date:	07/20/2009		07/14/2009		07/14/2009		07/01/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22	4.3	U	4.4	U	4.1	U	3.9	U
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07	4.3	U	4.4	U	4.1	U	3.9	U
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	N/A	4.3	U	4.4	U	4.1	U	3.9	U
76-44-8	Heptachlor	CPEST	ug/kg	68	2.2	U	2.3	U	2.1	U	2	U
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1	220	U	230	U	210	U	200	U
959-98-8	Endosulfan I	CPEST	ug/kg	2.9	2.2	U	2.3	U	2.1	U	0.087	J
11096-82-5	Aroclor 1260	E608	ug/kg	21.6	43	U	44	U	41	U	39	U
11097-69-1	Aroclor 1254	E608	ug/kg	23	43	U	44	UJ	41	U	39	U
11100-14-4	Aroclor 1268	E608	ug/kg	21.6	43	U	44	U	41	U	39	U
11104-28-2	Aroclor 1221	E608	ug/kg	21.6	43	U	44	U	41	U	39	U
11141-16-5	Aroclor 1232	E608	ug/kg	21.6	43	U	44	U	41	U	39	U
12672-29-6	Aroclor 1248	E608	ug/kg	21.6	43	U	44	U	41	U	39	U
12674-11-2	Aroclor 1016	E608	ug/kg	21.6	43	U	44	U	41	U	39	U
37324-23-5	Aroclor 1262	E608	ug/kg	21.6	43	U	44	U	41	U	39	U
53469-21-9	Aroclor 1242	E608	ug/kg	21.6	43	U	44	U	41	U	39	U

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Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Sample Results - Organics

				sys_loc_code:	A22		A32		A41		A50	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A22 0-6		A32 0-6		A41 0-6		A50 0-6	
				sample_date:	07/01/2009		07/01/2009		07/22/2009		07/16/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856	5.7	U	5.6	U	8.3	U	5.5	U
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202	5.7	U	5.6	U	8.3	U	5.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000	5.7	U	5.6	U	8.3	U	5.5	U
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570	5.7	U	5.6	U	8.3	U	5.5	U
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310	5.7	U	5.6	U	8.3	U	5.5	U
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780	5.7	U	5.6	U	8.3	U	5.5	U
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858	5.7	U	5.6	U	8.3	U	5.5	U
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473	5.7	U	5.6	U	8.3	U	5.5	U
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35	5.7	U	5.6	U	8.3	U	5.5	U
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7	5.7	U	5.6	U	8.3	U	5.5	U
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989	5.7	U	5.6	U	8.3	U	5.5	U
107-06-2	1,2-Dichloroethane	E624	ug/kg	432	5.7	U	5.6	U	8.3	U	5.5	U
78-87-5	1,2-Dichloropropane	E624	ug/kg	895	5.7	U	5.6	U	8.3	U	5.5	U
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842	5.7	U	5.6	U	8.3	U	5.5	U
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460	5.7	U	5.6	U	8.3	U	5.5	U
123-91-1	1,4-Dioxane	E624	ug/kg	44100	110	R	110	R	170	R	110	R
78-93-3	2-Butanone	E624	ug/kg	2780000	11	U	11	U	17	U	11	U
591-78-6	2-Hexanone	E624	ug/kg	20900	11	U	11	U	17	U	11	U
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000	11	U	11	U	17	U	11	U
67-64-1	Acetone	E624	ug/kg	6130000	11	U	11	U	17	U	11	U
71-43-2	Benzene	E624	ug/kg	137	5.7	U	5.6	U	8.3	U	5.5	U
74-97-5	Bromochloromethane	E624	ug/kg	N/A	5.7	U	5.6	U	8.3	U	5.5	U
75-27-4	Bromodichloromethane	E624	ug/kg	273	5.7	U	5.6	U	8.3	U	5.5	U
75-25-2	Bromoform	E624	ug/kg	1310	5.7	U	5.6	U	8.3	U	5.5	U
74-83-9	Bromomethane	E624	ug/kg	732	5.7	U	5.6	U	8.3	U	5.5	U
75-15-0	Carbon Disulfide	E624	ug/kg	0.851	5.7	U	0.84	J	5	J	0.99	J
56-23-5	Carbon tetrachloride	E624	ug/kg	248	5.7	U	5.6	U	8.3	U	5.5	U
108-90-7	Chlorobenzene	E624	ug/kg	162	0.42	J	0.98	J	8.3	U	5.5	U
75-00-3	Chloroethane	E624	ug/kg	1450000	5.7	U	5.6	U	8.3	U	5.5	U
67-66-3	Chloroform	E624	ug/kg	295	5.7	U	5.6	U	8.3	U	5.5	U
74-87-3	Chloromethane	E624	ug/kg	11900	5.7	U	5.6	U	8.3	U	5.5	U
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200	5.7	U	5.6	U	8.3	U	5.5	U

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Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Sample Results - Organics

				sys_loc_code:	A22		A32		A41		A50	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A22 0-6		A32 0-6		A41 0-6		A50 0-6	
				sample_date:	07/01/2009		07/01/2009		07/22/2009		07/16/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	N/A	5.7	U	5.6	U	8.3	U	5.5	U
110-82-7	Cyclohexane	E624	ug/kg	117000	5.7	U	5.6	U	8.3	U	5.5	U
124-48-1	Dibromochloromethane	E624	ug/kg	680	5.7	U	5.6	U	8.3	U	5.5	U
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400	5.7	U	5.6	U	8.3	U	5.5	U
100-41-4	Ethylbenzene	E624	ug/kg	305	5.7	U	5.6	U	8.3	U	5.5	U
98-82-8	Isopropylbenzene	E624	ug/kg	86	5.7	U	5.6	U	8.3	U	5.5	U
179601-23-1	m,p-Xylene	E624	ug/kg	N/A	5.7	U	5.6	U	8.3	U	5.5	U
79-20-9	Methyl Acetate	E624	ug/kg	7820000	5.7	U	5.6	U	8.3	U	5.5	U
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300	5.7	U	5.6	U	8.3	U	5.5	U
108-87-2	Methylcyclohexane	E624	ug/kg	N/A	5.7	U	5.6	U	8.3	U	5.5	U
75-09-2	Methylene chloride	E624	ug/kg	10700	5.7	U	5.6	U	8.3	U	5.5	U
95-47-6	o-Xylene	E624	ug/kg	N/A	5.7	U	5.6	U	8.3	U	5.5	U
100-42-5	Styrene	E624	ug/kg	7070	5.7	U	5.6	U	8.3	U	5.5	U
127-18-4	Tetrachloroethene	E624	ug/kg	190	5.7	U	5.6	U	8.3	U	5.5	U
108-88-3	Toluene	E624	ug/kg	1090	5.7	U	5.6	U	8.3	U	5.5	U
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300	5.7	U	5.6	U	8.3	U	5.5	U
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	N/A	5.7	U	5.6	U	8.3	U	5.5	U
79-01-6	Trichloroethene	E624	ug/kg	1600	5.7	U	5.6	U	8.3	U	5.5	U
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700	5.7	U	5.6	U	8.3	U	5.5	U
75-01-4	Vinyl Chloride	E624	ug/kg	59.7	5.7	U	5.6	U	8.3	U	5.5	U
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220	200	U	210	U	260	U	200	U
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830	200	U	210	U	260	U	200	U
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819	200	U	210	U	260	U	200	U
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650	200	U	210	U	260	U	200	U
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117	200	U	210	U	260	U	200	U
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29	200	U	210	U	260	U	200	U
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200	390	U	400	U	500	U	390	U
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6	200	U	210	U	260	U	200	U
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120	200	U	210	U	260	U	200	U
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000	200	U	210	U	260	U	200	U
95-57-8	2-Chlorophenol	E625	ug/kg	344	200	U	210	U	260	U	200	U
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2	200	U	210	U	260	U	200	U
95-48-7	2-Methylphenol	E625	ug/kg	306000	200	U	210	U	260	U	200	U
88-74-4	2-Nitroaniline	E625	ug/kg	60600	390	U	400	U	500	U	390	U

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Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Sample Results - Organics

				sys_loc_code:	A22		A32		A41		A50	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A22 0-6		A32 0-6		A41 0-6		A50 0-6	
				sample_date:	07/01/2009		07/01/2009		07/22/2009		07/16/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
88-75-5	2-Nitrophenol	E625	ug/kg	N/A	200	U	210	U	260	U	200	U
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080	200	U	210	U	260	U	200	U
99-09-2	3-Nitroaniline	E625	ug/kg	N/A	390	U	400	U	500	U	390	U
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611	390	U	400	U	500	U	390	U
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230	200	U	210	U	260	U	200	U
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000	200	U	210	U	260	U	200	U
106-47-8	4-Chloroaniline	E625	ug/kg	2430	200	U	210	U	260	U	200	U
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	N/A	200	U	210	U	260	U	200	U
106-44-5	4-Methylphenol	E625	ug/kg	670	200	U	210	U	260	U	200	U
100-01-6	4-Nitroaniline	E625	ug/kg	24300	390	U	400	U	500	U	390	U
100-02-7	4-Nitrophenol	E625	ug/kg	N/A	390	U	400	U	500	U	390	U
83-32-9	Acenaphthene	E625	ug/kg	6.71	200	U	210	U	260	U	200	U
208-96-8	Acenaphthylene	E625	ug/kg	5.87	200	U	210	U	260	U	200	U
98-86-2	Acetophenone	E625	ug/kg	782000	33	J	27	J	14	J	24	J
120-12-7	Anthracene	E625	ug/kg	46.9	200	U	210	U	260	U	200	U
1912-24-9	Atrazine	E625	ug/kg	6.62	200	U	210	U	260	U	200	U
100-52-7	Benzaldehyde	E625	ug/kg	782000	110	J	56	J	21	J	46	J
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8	11	J	210	U	260	U	6.1	J
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8	200	U	210	U	260	U	200	U
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148	200	U	210	U	260	U	5.9	J
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170	200	U	210	U	260	U	200	U
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240	200	U	210	U	260	U	200	U
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300	200	U	210	U	260	U	200	U
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214	200	U	210	U	260	U	200	U
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182	19	J	21	J	28	J	15	J
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570	200	U	210	U	260	U	200	U
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800	200	U	210	U	260	U	200	U
105-60-2	Caprolactam	E625	ug/kg	3060000	200	U	210	U	260	U	200	U
86-74-8	Carbazole	E625	ug/kg	N/A	200	U	210	U	260	U	200	U
58-90-2	Chlorophenols	E625	ug/kg	284	200	U	210	U	260	U	200	U
218-01-9	Chrysene	E625	ug/kg	108	6.6	J	210	U	260	U	200	U
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22	200	U	210	U	260	U	200	U
132-64-9	Dibenzofuran	E625	ug/kg	7300	200	U	210	U	260	U	200	U
84-66-2	Diethylphthalate	E625	ug/kg	218	200	U	210	U	260	U	200	U

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Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Sample Results - Organics

				sys_loc_code:	A22		A32		A41		A50	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A22 0-6		A32 0-6		A41 0-6		A50 0-6	
				sample_date:	07/01/2009		07/01/2009		07/22/2009		07/16/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
131-11-3	Dimethylphthalate	E625	ug/kg	N/A	200	U	210	U	260	U	200	U
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160	200	U	210	U	8.7	J	200	U
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	N/A	200	U	210	U	260	U	200	U
206-44-0	Fluoranthene	E625	ug/kg	113	15	J	210	UJ	260	U	200	U
86-73-7	Fluorene	E625	ug/kg	19	200	UJ	210	UJ	260	U	200	U
118-74-1	Hexachlorobenzene	E625	ug/kg	20	200	U	210	U	260	U	200	U
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110	200	U	210	U	260	U	200	U
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139	200	U	210	U	260	U	200	U
67-72-1	Hexachloroethane	E625	ug/kg	804	200	U	210	U	260	U	200	U
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17	200	U	210	U	260	UJ	200	U
78-59-1	Isophorone	E625	ug/kg	511000	200	U	210	U	260	U	200	U
91-20-3	Naphthalene	E625	ug/kg	34.6	7.9	J	7.1	J	260	U	6.8	J
98-95-3	Nitrobenzene	E625	ug/kg	4790	200	U	210	U	260	U	200	U
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4	200	U	210	U	260	U	200	U
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100	200	U	210	U	260	U	200	U
87-86-5	Pentachlorophenol	E625	ug/kg	2970	390	U	400	U	500	U	390	U
85-01-8	Phenanthrene	E625	ug/kg	86.7	200	U	210	U	260	U	6.5	J
108-95-2	Phenol	E625	ug/kg	420	13	J	22	J	18	J	48	J
129-00-0	Pyrene	E625	ug/kg	153	16	J	210	U	260	U	10	J
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6	2	U	2.1	U	2.6	UJ	0.78	J
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357	3.9	U	4	U	5	UJ	3.9	UJ
309-00-2	Aldrin	CPEST	ug/kg	2	2	U	2.1	U	2.6	U	2	U
319-84-6	Alpha-Bhc	CPEST	ug/kg	3	2	U	2.1	U	2.6	U	2	U
319-85-7	Beta-Bhc	CPEST	ug/kg	3	2	U	2.1	U	2.6	UJ	2	UJ
319-86-8	Delta-Bhc	CPEST	ug/kg	3	2	U	2.1	U	2.6	U	2	U
33213-65-9	Endosulfan II	CPEST	ug/kg	14	3.9	U	4	U	5	UJ	3.9	UJ
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19	3.9	U	4	U	5	U	1.9	J
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7	2	U	2.1	U	2.6	U	2	U
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7	2	U	2.1	U	2.6	U	2	UJ
53494-70-5	Endrin Ketone	CPEST	ug/kg	N/A	3.9	U	0.18	J	5	UJ	3.9	UJ
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32	2	U	2.1	U	2.6	UJ	2	U
60-57-1	Dieldrin	CPEST	ug/kg	0.72	3.9	U	4	U	5	U	3.9	U
72-20-8	Endrin	CPEST	ug/kg	2.67	3.9	U	4	U	5	U	3.9	U
72-43-5	Methoxychlor	CPEST	ug/kg	29.6	20	U	21	U	26	U	20	U

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Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Sample Results - Organics

				sys_loc_code:	A22		A32		A41		A50	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A22 0-6		A32 0-6		A41 0-6		A50 0-6	
				sample_date:	07/01/2009		07/01/2009		07/22/2009		07/16/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22	3.9	U	4	U	5	UJ	3.9	UJ
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07	3.9	U	4	U	0.13	J	3.9	UJ
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	N/A	3.9	U	4	U	5	UJ	3.9	UJ
76-44-8	Heptachlor	CPEST	ug/kg	68	2	U	2.1	U	2.6	U	2	UJ
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1	200	U	210	U	260	U	200	U
959-98-8	Endosulfan I	CPEST	ug/kg	2.9	0.047	J	2.1	U	2.6	U	2	U
11096-82-5	Aroclor 1260	E608	ug/kg	21.6	39	U	40	U	50	U	39	U
11097-69-1	Aroclor 1254	E608	ug/kg	23	39	U	40	U	50	U	39	U
11100-14-4	Aroclor 1268	E608	ug/kg	21.6	39	U	40	U	50	U	39	U
11104-28-2	Aroclor 1221	E608	ug/kg	21.6	39	U	40	U	50	U	39	U
11141-16-5	Aroclor 1232	E608	ug/kg	21.6	39	U	40	U	50	U	39	U
12672-29-6	Aroclor 1248	E608	ug/kg	21.6	39	U	40	U	50	U	39	U
12674-11-2	Aroclor 1016	E608	ug/kg	21.6	39	U	40	U	50	U	39	U
37324-23-5	Aroclor 1262	E608	ug/kg	21.6	39	U	40	U	50	U	39	U
53469-21-9	Aroclor 1242	E608	ug/kg	21.6	39	U	40	U	50	U	39	U

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Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Sample Results - Organics

				sys_loc_code:	A56		A60		A61		A68	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A56 0-6		A60 0-6		A61 0-6		A68 0-6	
				sample_date:	07/16/2009		07/14/2009		07/22/2009		07/17/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856	24	U	6.7	U	11	U	9.6	U
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202	24	U	6.7	U	11	U	9.6	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000	24	U	6.7	U	11	U	9.6	U
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570	24	U	6.7	U	11	U	9.6	U
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310	24	U	6.7	U	11	U	9.6	U
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780	24	U	6.7	U	11	U	9.6	U
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858	24	U	6.7	U	11	U	9.6	U
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473	24	U	6.7	U	11	U	9.6	U
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35	24	U	6.7	U	11	U	9.6	U
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7	24	U	6.7	U	11	U	9.6	U
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989	24	U	6.7	U	11	U	9.6	U
107-06-2	1,2-Dichloroethane	E624	ug/kg	432	24	U	6.7	U	11	U	9.6	U
78-87-5	1,2-Dichloropropane	E624	ug/kg	895	24	U	6.7	U	11	U	9.6	U
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842	24	U	6.7	U	11	U	9.6	U
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460	24	U	6.7	U	11	U	9.6	U
123-91-1	1,4-Dioxane	E624	ug/kg	44100	490	R	130	R	210	R	190	R
78-93-3	2-Butanone	E624	ug/kg	2780000	49	U	13	U	21	U	19	U
591-78-6	2-Hexanone	E624	ug/kg	20900	49	U	13	U	21	U	19	U
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000	49	U	13	U	21	U	19	U
67-64-1	Acetone	E624	ug/kg	6130000	49	U	13	U	21	U	40	
71-43-2	Benzene	E624	ug/kg	137	24	U	6.7	U	11	U	9.6	U
74-97-5	Bromochloromethane	E624	ug/kg	N/A	24	U	6.7	U	11	U	9.6	U
75-27-4	Bromodichloromethane	E624	ug/kg	273	24	U	6.7	U	11	U	9.6	U
75-25-2	Bromoform	E624	ug/kg	1310	24	U	6.7	U	11	U	9.6	U
74-83-9	Bromomethane	E624	ug/kg	732	24	U	6.7	U	11	U	9.6	U
75-15-0	Carbon Disulfide	E624	ug/kg	0.851	3.7	J	6.7	U	9.7	J	16	
56-23-5	Carbon tetrachloride	E624	ug/kg	248	24	U	6.7	U	11	U	9.6	U
108-90-7	Chlorobenzene	E624	ug/kg	162	24	U	6.7	U	11	U	9.6	U
75-00-3	Chloroethane	E624	ug/kg	1450000	24	U	6.7	U	11	U	9.6	U
67-66-3	Chloroform	E624	ug/kg	295	24	U	6.7	U	11	U	9.6	U
74-87-3	Chloromethane	E624	ug/kg	11900	24	U	6.7	U	11	U	9.6	U
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200	24	U	6.7	U	11	U	9.6	U

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Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Sample Results - Organics

				sys_loc_code:	A56		A60		A61		A68	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A56 0-6		A60 0-6		A61 0-6		A68 0-6	
				sample_date:	07/16/2009		07/14/2009		07/22/2009		07/17/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	N/A	24	U	6.7	U	11	U	9.6	U
110-82-7	Cyclohexane	E624	ug/kg	117000	24	U	6.7	U	11	U	9.6	U
124-48-1	Dibromochloromethane	E624	ug/kg	680	24	U	6.7	U	11	U	9.6	U
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400	24	U	6.7	U	11	U	9.6	U
100-41-4	Ethylbenzene	E624	ug/kg	305	24	U	6.7	U	11	U	9.6	U
98-82-8	Isopropylbenzene	E624	ug/kg	86	24	U	6.7	U	11	U	9.6	U
179601-23-1	m,p-Xylene	E624	ug/kg	N/A	24	U	6.7	U	11	U	9.6	U
79-20-9	Methyl Acetate	E624	ug/kg	7820000	24	U	6.7	U	11	U	9.6	U
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300	24	U	6.7	U	11	U	9.6	U
108-87-2	Methylcyclohexane	E624	ug/kg	N/A	24	U	6.7	U	11	U	9.6	U
75-09-2	Methylene chloride	E624	ug/kg	10700	24	U	6.7	U	11	U	9.6	U
95-47-6	o-Xylene	E624	ug/kg	N/A	24	U	6.7	U	11	U	9.6	U
100-42-5	Styrene	E624	ug/kg	7070	24	U	6.7	U	11	U	9.6	U
127-18-4	Tetrachloroethene	E624	ug/kg	190	24	U	6.7	U	11	U	9.6	U
108-88-3	Toluene	E624	ug/kg	1090	24	U	6.7	U	11	U	9.6	U
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300	24	U	6.7	U	11	U	9.6	U
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	N/A	24	U	6.7	U	11	U	9.6	U
79-01-6	Trichloroethene	E624	ug/kg	1600	24	U	6.7	U	11	U	9.6	U
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700	24	U	6.7	U	11	U	9.6	U
75-01-4	Vinyl Chloride	E624	ug/kg	59.7	24	U	6.7	U	11	U	9.6	U
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220	540	U	260	U	230	U	220	U
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830	540	U	260	U	230	U	220	U
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819	540	U	260	U	230	U	220	U
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650	540	U	260	U	230	U	220	U
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117	540	U	260	U	230	U	220	U
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29	540	U	260	U	230	U	220	U
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200	1000	U	500	U	450	U	430	U
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6	540	U	260	U	230	U	220	U
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120	540	U	260	U	230	U	220	U
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000	540	U	260	U	230	U	220	U
95-57-8	2-Chlorophenol	E625	ug/kg	344	540	U	260	U	230	U	220	U
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2	540	U	260	U	230	U	220	U
95-48-7	2-Methylphenol	E625	ug/kg	306000	540	U	260	U	230	U	220	U
88-74-4	2-Nitroaniline	E625	ug/kg	60600	1000	U	500	U	450	U	430	U

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Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Sample Results - Organics

				sys_loc_code:	A56		A60		A61		A68	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A56 0-6		A60 0-6		A61 0-6		A68 0-6	
				sample_date:	07/16/2009		07/14/2009		07/22/2009		07/17/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
88-75-5	2-Nitrophenol	E625	ug/kg	N/A	540	U	260	U	230	U	220	U
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080	540	U	260	U	230	U	220	U
99-09-2	3-Nitroaniline	E625	ug/kg	N/A	1000	U	500	U	450	U	430	U
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611	1000	U	500	U	450	U	430	U
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230	540	U	260	U	230	U	220	UJ
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000	540	U	260	U	230	U	220	U
106-47-8	4-Chloroaniline	E625	ug/kg	2430	540	U	260	U	230	U	220	U
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	N/A	540	U	260	U	230	U	220	U
106-44-5	4-Methylphenol	E625	ug/kg	670	540	U	9.2	J	230	U	14	J
100-01-6	4-Nitroaniline	E625	ug/kg	24300	1000	U	500	U	450	U	430	U
100-02-7	4-Nitrophenol	E625	ug/kg	N/A	1000	U	500	U	450	U	430	U
83-32-9	Acenaphthene	E625	ug/kg	6.71	540	U	260	U	230	U	220	U
208-96-8	Acenaphthylene	E625	ug/kg	5.87	540	U	260	U	230	U	220	U
98-86-2	Acetophenone	E625	ug/kg	782000	61	J	42	J	16	J	16	J
120-12-7	Anthracene	E625	ug/kg	46.9	540	U	260	U	230	U	220	U
1912-24-9	Atrazine	E625	ug/kg	6.62	540	U	260	U	230	U	220	U
100-52-7	Benzaldehyde	E625	ug/kg	782000	140	J	140	J	33	J	46	J
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8	540	U	11	J	16	J	7.3	J
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8	540	U	260	U	16	J	220	U
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148	540	U	9	J	14	J	6.9	J
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170	540	U	260	U	7.7	J	220	U
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240	540	U	260	U	7.2	J	220	U
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300	540	U	260	U	230	U	220	U
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214	540	U	260	U	230	U	220	U
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182	38	J	30	J	17	J	12	J
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570	540	U	260	U	230	U	220	U
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800	540	U	260	U	230	U	220	U
105-60-2	Caprolactam	E625	ug/kg	3060000	540	U	260	U	230	U	220	U
86-74-8	Carbazole	E625	ug/kg	N/A	540	U	260	U	230	U	220	U
58-90-2	Chlorophenols	E625	ug/kg	284	540	U	260	U	230	U	220	U
218-01-9	Chrysene	E625	ug/kg	108	540	U	260	U	12	J	220	U
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22	540	U	260	U	230	U	220	U
132-64-9	Dibenzofuran	E625	ug/kg	7300	540	U	260	U	230	U	220	U
84-66-2	Diethylphthalate	E625	ug/kg	218	540	U	8.8	J	230	U	8.5	J

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Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Sample Results - Organics

				sys_loc_code:	A56		A60		A61		A68	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A56 0-6		A60 0-6		A61 0-6		A68 0-6	
				sample_date:	07/16/2009		07/14/2009		07/22/2009		07/17/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
131-11-3	Dimethylphthalate	E625	ug/kg	N/A	540	U	260	U	230	U	220	U
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160	540	U	12	J	8.3	J	9	J
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	N/A	540	U	260	U	230	U	220	U
206-44-0	Fluoranthene	E625	ug/kg	113	540	U	11	J	29	J	10	J
86-73-7	Fluorene	E625	ug/kg	19	540	U	260	U	230	U	220	U
118-74-1	Hexachlorobenzene	E625	ug/kg	20	540	U	260	U	230	U	220	UJ
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110	540	U	260	U	230	U	220	U
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139	540	U	260	U	230	U	220	U
67-72-1	Hexachloroethane	E625	ug/kg	804	540	U	260	U	230	U	220	U
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17	540	U	260	U	230	UJ	220	U
78-59-1	Isophorone	E625	ug/kg	511000	540	U	260	U	230	U	220	U
91-20-3	Naphthalene	E625	ug/kg	34.6	18	J	9.8	J	230	U	220	U
98-95-3	Nitrobenzene	E625	ug/kg	4790	540	U	260	U	230	U	220	U
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4	540	U	260	U	230	U	220	U
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100	540	U	260	U	230	U	220	U
87-86-5	Pentachlorophenol	E625	ug/kg	2970	1000	U	500	U	450	U	430	U
85-01-8	Phenanthrene	E625	ug/kg	86.7	20	J	9.2	J	22	J	6.6	J
108-95-2	Phenol	E625	ug/kg	420	73	J	110	J	34	J	30	J
129-00-0	Pyrene	E625	ug/kg	153	540	U	12	J	25	J	11	J
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6	0.45	J	2.6	U	0.3	J	2.2	U
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357	10	U	5	U	4.5	UJ	4.3	U
309-00-2	Aldrin	CPEST	ug/kg	2	5.4	U	2.6	U	2.3	U	2.2	U
319-84-6	Alpha-Bhc	CPEST	ug/kg	3	5.4	U	2.6	U	2.3	U	2.2	U
319-85-7	Beta-Bhc	CPEST	ug/kg	3	5.4	U	2.6	U	2.3	U	2.2	U
319-86-8	Delta-Bhc	CPEST	ug/kg	3	5.4	U	2.6	U	2.3	U	2.2	U
33213-65-9	Endosulfan II	CPEST	ug/kg	14	10	U	5	U	4.5	U	4.3	U
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19	0.56	J	5	UJ	4.5	U	4.3	U
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7	5.4	U	2.6	U	2.3	U	2.2	U
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7	5.4	U	2.6	U	2.3	U	2.2	U
53494-70-5	Endrin Ketone	CPEST	ug/kg	N/A	10	U	5	U	4.5	UJ	0.054	J
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32	5.4	U	2.6	U	2.3	UJ	2.2	U
60-57-1	Dieldrin	CPEST	ug/kg	0.72	10	U	5	U	4.5	U	4.3	U
72-20-8	Endrin	CPEST	ug/kg	2.67	10	U	5	U	4.5	U	4.3	U
72-43-5	Methoxychlor	CPEST	ug/kg	29.6	54	U	26	U	23	U	22	U

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Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Sample Results - Organics

				sys_loc_code:	A56		A60		A61		A68	
				loc_name:	Area-01		Area-01		Area-01		Area-01	
				sys_sample_code:	A56 0-6		A60 0-6		A61 0-6		A68 0-6	
				sample_date:	07/16/2009		07/14/2009		07/22/2009		07/17/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22	10	U	5	U	4.5	UJ	4.3	U
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07	10	U	0.17	J	0.16	J	4.3	U
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	N/A	10	UJ	5	U	4.5	UJ	4.3	U
76-44-8	Heptachlor	CPEST	ug/kg	68	5.4	U	2.6	U	2.3	U	2.2	U
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1	540	U	260	U	230	U	220	U
959-98-8	Endosulfan I	CPEST	ug/kg	2.9	5.4	U	2.6	U	2.3	U	2.2	U
11096-82-5	Aroclor 1260	E608	ug/kg	21.6	100	U	50	U	45	U	43	U
11097-69-1	Aroclor 1254	E608	ug/kg	23	100	U	50	U	45	U	43	U
11100-14-4	Aroclor 1268	E608	ug/kg	21.6	100	U	50	U	45	U	43	U
11104-28-2	Aroclor 1221	E608	ug/kg	21.6	100	U	50	U	45	U	43	U
11141-16-5	Aroclor 1232	E608	ug/kg	21.6	100	U	50	U	45	U	43	U
12672-29-6	Aroclor 1248	E608	ug/kg	21.6	100	U	50	U	45	U	43	U
12674-11-2	Aroclor 1016	E608	ug/kg	21.6	100	U	50	U	45	U	43	U
37324-23-5	Aroclor 1262	E608	ug/kg	21.6	100	U	50	U	45	U	43	U
53469-21-9	Aroclor 1242	E608	ug/kg	21.6	100	U	50	U	45	U	43	U

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Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Sample Results - Organics

				sys_loc_code:	A8		A80		A92		A110	
				loc_name:	Area-01		Area-01		Area-01		Area-02	
				sys_sample_code:	A8 0-6		A80 0-6		A92 0-6		A110 0-6	
				sample_date:	07/01/2009		07/17/2009		07/17/2009		06/30/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856	5.5	U	5.9	U	5.8	U	5.9	U
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202	5.5	U	5.9	U	5.8	U	5.9	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000	5.5	U	5.9	U	5.8	U	5.9	U
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570	5.5	U	5.9	U	5.8	U	5.9	U
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310	5.5	U	5.9	U	5.8	U	5.9	U
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780	5.5	U	5.9	U	5.8	U	5.9	U
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858	5.5	U	5.9	U	5.8	U	5.9	U
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473	5.5	U	5.9	U	5.8	U	5.9	U
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35	5.5	U	5.9	U	5.8	U	5.9	U
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7	5.5	U	5.9	U	5.8	U	5.9	U
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989	5.5	U	5.9	U	5.8	U	5.9	U
107-06-2	1,2-Dichloroethane	E624	ug/kg	432	5.5	U	5.9	U	5.8	U	5.9	U
78-87-5	1,2-Dichloropropane	E624	ug/kg	895	5.5	U	5.9	U	5.8	U	5.9	U
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842	5.5	U	5.9	U	5.8	U	5.9	U
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460	5.5	U	5.9	U	5.8	U	5.9	U
123-91-1	1,4-Dioxane	E624	ug/kg	44100	110	R	120	R	120	R	120	R
78-93-3	2-Butanone	E624	ug/kg	2780000	11	U	12	U	15		12	U
591-78-6	2-Hexanone	E624	ug/kg	20900	11	U	12	U	12	U	12	U
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000	11	U	12	U	12	U	12	U
67-64-1	Acetone	E624	ug/kg	6130000	11	U	12	U	18	U	12	U
71-43-2	Benzene	E624	ug/kg	137	5.5	U	5.9	U	5.8	U	5.9	U
74-97-5	Bromochloromethane	E624	ug/kg	N/A	5.5	U	5.9	U	5.8	U	5.9	U
75-27-4	Bromodichloromethane	E624	ug/kg	273	5.5	U	5.9	U	5.8	U	5.9	U
75-25-2	Bromoform	E624	ug/kg	1310	5.5	U	5.9	U	5.8	U	5.9	U
74-83-9	Bromomethane	E624	ug/kg	732	5.5	U	5.9	U	5.8	U	5.9	U
75-15-0	Carbon Disulfide	E624	ug/kg	0.851	0.42	J	5.9	U	4.6	J	0.62	J
56-23-5	Carbon tetrachloride	E624	ug/kg	248	5.5	U	5.9	U	5.8	U	5.9	U
108-90-7	Chlorobenzene	E624	ug/kg	162	5.5	U	5.9	U	5.8	U	5.9	U
75-00-3	Chloroethane	E624	ug/kg	1450000	5.5	U	5.9	U	5.8	U	5.9	U
67-66-3	Chloroform	E624	ug/kg	295	5.5	U	5.9	U	5.8	U	5.9	U
74-87-3	Chloromethane	E624	ug/kg	11900	5.5	U	5.9	U	5.8	U	5.9	U
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200	5.5	U	5.9	U	5.8	U	5.9	U

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Sample Results - Organics

				sys_loc_code:	A8	A80	A92	A110
				loc_name:	Area-01	Area-01	Area-01	Area-02
				sys_sample_code:	A8 0-6	A80 0-6	A92 0-6	A110 0-6
				sample_date:	07/01/2009	07/17/2009	07/17/2009	06/30/2009
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED				
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	N/A	5.5 U	5.9 U	5.8 U	5.9 U
110-82-7	Cyclohexane	E624	ug/kg	117000	5.5 U	5.9 U	5.8 U	5.9 U
124-48-1	Dibromochloromethane	E624	ug/kg	680	5.5 U	5.9 U	5.8 U	5.9 U
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400	5.5 U	5.9 U	5.8 U	5.9 U
100-41-4	Ethylbenzene	E624	ug/kg	305	5.5 U	5.9 U	5.8 U	5.9 U
98-82-8	Isopropylbenzene	E624	ug/kg	86	5.5 U	5.9 U	5.8 U	5.9 U
179601-23-1	m,p-Xylene	E624	ug/kg	N/A	5.5 U	5.9 U	5.8 U	5.9 U
79-20-9	Methyl Acetate	E624	ug/kg	7820000	5.5 U	5.9 U	5.8 U	5.9 U
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300	5.5 U	5.9 U	5.8 U	5.9 U
108-87-2	Methylcyclohexane	E624	ug/kg	N/A	5.5 U	5.9 U	5.8 U	5.9 U
75-09-2	Methylene chloride	E624	ug/kg	10700	5.5 U	5.9 U	5.8 U	5.9 U
95-47-6	o-Xylene	E624	ug/kg	N/A	5.5 U	5.9 U	5.8 U	5.9 U
100-42-5	Styrene	E624	ug/kg	7070	5.5 U	5.9 U	5.8 U	5.9 U
127-18-4	Tetrachloroethene	E624	ug/kg	190	5.5 U	5.9 U	5.8 U	5.9 U
108-88-3	Toluene	E624	ug/kg	1090	5.5 U	5.9 U	5.8 U	5.9 U
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300	5.5 U	5.9 U	5.8 U	5.9 U
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	N/A	5.5 U	5.9 U	5.8 U	5.9 U
79-01-6	Trichloroethene	E624	ug/kg	1600	5.5 U	5.9 U	5.8 U	5.9 U
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700	5.5 U	5.9 U	5.8 U	5.9 U
75-01-4	Vinyl Chloride	E624	ug/kg	59.7	5.5 U	5.9 U	5.8 U	5.9 U
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220	210 U	220 U	220 U	220 U
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830	210 U	220 U	220 U	220 U
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819	210 U	220 U	220 U	220 U
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650	210 U	220 U	220 U	220 U
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117	210 U	220 U	220 U	220 U
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29	210 U	220 U	220 U	220 U
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200	400 U	430 U	420 U	420 U
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6	210 U	220 U	220 U	220 U
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120	210 U	220 U	220 U	220 U
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000	210 U	220 U	220 U	220 U
95-57-8	2-Chlorophenol	E625	ug/kg	344	210 U	220 U	220 U	220 U
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2	210 U	220 U	220 U	220 U
95-48-7	2-Methylphenol	E625	ug/kg	306000	210 U	220 U	220 U	220 U
88-74-4	2-Nitroaniline	E625	ug/kg	60600	400 U	430 U	420 U	420 U

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Sample Results - Organics

				sys_loc_code:	A8		A80		A92		A110	
				loc_name:	Area-01		Area-01		Area-01		Area-02	
				sys_sample_code:	A8 0-6		A80 0-6		A92 0-6		A110 0-6	
				sample_date:	07/01/2009		07/17/2009		07/17/2009		06/30/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
88-75-5	2-Nitrophenol	E625	ug/kg	N/A	210	U	220	U	220	U	220	U
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080	210	U	220	U	220	U	220	U
99-09-2	3-Nitroaniline	E625	ug/kg	N/A	400	U	430	U	420	U	420	U
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611	400	U	430	U	420	U	420	U
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230	210	U	220	UJ	220	UJ	220	U
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000	210	U	220	U	220	U	220	U
106-47-8	4-Chloroaniline	E625	ug/kg	2430	210	U	220	U	220	U	220	U
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	N/A	210	U	220	U	220	U	220	U
106-44-5	4-Methylphenol	E625	ug/kg	670	210	U	6.8	J	220	U	220	U
100-01-6	4-Nitroaniline	E625	ug/kg	24300	400	U	430	U	420	U	420	U
100-02-7	4-Nitrophenol	E625	ug/kg	N/A	400	U	430	U	420	U	420	U
83-32-9	Acenaphthene	E625	ug/kg	6.71	210	U	220	U	220	U	220	U
208-96-8	Acenaphthylene	E625	ug/kg	5.87	210	U	220	U	220	U	220	U
98-86-2	Acetophenone	E625	ug/kg	782000	30	J	21	J	20	J	37	J
120-12-7	Anthracene	E625	ug/kg	46.9	210	U	220	U	220	U	220	U
1912-24-9	Atrazine	E625	ug/kg	6.62	210	U	220	U	220	U	220	U
100-52-7	Benzaldehyde	E625	ug/kg	782000	85	J	51	J	52	J	78	J
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8	210	U	12	J	16	J	220	U
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8	210	U	8.7	J	8.9	J	220	U
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148	210	U	12	J	15	J	220	U
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170	210	U	6.8	J	220	U	220	U
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240	210	U	220	U	6.9	J	220	U
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300	210	U	220	U	220	U	220	U
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214	210	U	220	U	220	U	220	U
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182	23	J	20	J	30	J	21	J
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570	210	U	220	U	220	U	220	U
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800	210	U	7	J	220	U	220	U
105-60-2	Caprolactam	E625	ug/kg	3060000	210	U	220	U	220	U	220	U
86-74-8	Carbazole	E625	ug/kg	N/A	210	U	220	U	220	U	220	U
58-90-2	Chlorophenols	E625	ug/kg	284	210	U	220	U	220	U	220	U
218-01-9	Chrysene	E625	ug/kg	108	210	U	9.7	J	12	J	220	U
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22	210	U	220	U	220	U	220	U
132-64-9	Dibenzofuran	E625	ug/kg	7300	210	U	220	U	220	U	220	U
84-66-2	Diethylphthalate	E625	ug/kg	218	210	U	13	J	9	J	220	U

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Sample Results - Organics

				sys_loc_code:	A8		A80		A92		A110	
				loc_name:	Area-01		Area-01		Area-01		Area-02	
				sys_sample_code:	A8 0-6		A80 0-6		A92 0-6		A110 0-6	
				sample_date:	07/01/2009		07/17/2009		07/17/2009		06/30/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
131-11-3	Dimethylphthalate	E625	ug/kg	N/A	210	U	220	U	220	U	220	U
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160	210	U	11	J	11	J	220	U
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	N/A	210	U	220	U	220	U	220	U
206-44-0	Fluoranthene	E625	ug/kg	113	210	UJ	18	J	25	J	220	UJ
86-73-7	Fluorene	E625	ug/kg	19	210	UJ	220	U	220	U	220	UJ
118-74-1	Hexachlorobenzene	E625	ug/kg	20	210	U	220	UJ	220	UJ	220	U
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110	210	U	220	U	220	U	220	U
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139	210	U	220	U	220	U	220	U
67-72-1	Hexachloroethane	E625	ug/kg	804	210	U	220	U	220	U	220	U
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17	210	U	220	U	220	U	220	U
78-59-1	Isophorone	E625	ug/kg	511000	210	U	220	U	220	U	220	U
91-20-3	Naphthalene	E625	ug/kg	34.6	7.8	J	220	U	220	U	220	U
98-95-3	Nitrobenzene	E625	ug/kg	4790	210	U	220	U	220	U	220	U
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4	210	U	220	U	220	U	220	U
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100	210	U	220	U	220	U	220	U
87-86-5	Pentachlorophenol	E625	ug/kg	2970	400	U	430	U	420	U	420	U
85-01-8	Phenanthrene	E625	ug/kg	86.7	210	U	11	J	11	J	220	U
108-95-2	Phenol	E625	ug/kg	420	210	U	21	J	22	J	13	J
129-00-0	Pyrene	E625	ug/kg	153	210	U	20	J	23	J	9.7	J
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6	0.082	J	2.2	U	2.2	U	2.2	U
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357	4	U	4.3	U	4.2	U	4.2	U
309-00-2	Aldrin	CPEST	ug/kg	2	2.1	U	2.2	U	2.2	U	2.2	U
319-84-6	Alpha-Bhc	CPEST	ug/kg	3	2.1	U	2.2	U	2.2	U	2.2	U
319-85-7	Beta-Bhc	CPEST	ug/kg	3	2.1	U	2.2	U	2.2	U	2.2	U
319-86-8	Delta-Bhc	CPEST	ug/kg	3	2.1	U	2.2	U	2.2	U	2.2	U
33213-65-9	Endosulfan II	CPEST	ug/kg	14	4	U	4.3	U	4.2	U	4.2	U
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19	4	U	4.3	U	4.2	U	3.2	J
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7	2.1	U	2.2	U	2.2	U	2.2	U
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7	2.1	U	2.2	U	2.2	U	2.2	U
53494-70-5	Endrin Ketone	CPEST	ug/kg	N/A	4	U	0.071	J	0.098	J	4.2	U
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32	2.1	U	2.2	U	2.2	U	2.2	U
60-57-1	Dieldrin	CPEST	ug/kg	0.72	4	U	4.3	U	4.2	U	4.2	U
72-20-8	Endrin	CPEST	ug/kg	2.67	4	U	4.3	U	4.2	U	4.2	U
72-43-5	Methoxychlor	CPEST	ug/kg	29.6	21	U	22	U	22	U	22	U

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Data Gap Technical Memorandum
Sample Results - Organics

				sys_loc_code:	A8		A80		A92		A110	
				loc_name:	Area-01		Area-01		Area-01		Area-02	
				sys_sample_code:	A8 0-6		A80 0-6		A92 0-6		A110 0-6	
				sample_date:	07/01/2009		07/17/2009		07/17/2009		06/30/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22	4	U	4.3	U	4.2	U	4.2	U
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07	4	U	4.3	U	4.2	U	1.1	J
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	N/A	4	U	4.3	U	4.2	U	4.2	U
76-44-8	Heptachlor	CPEST	ug/kg	68	2.1	U	0.15	J	2.2	U	2.2	U
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1	210	U	220	U	220	U	220	U
959-98-8	Endosulfan I	CPEST	ug/kg	2.9	2.1	U	2.2	U	2.2	U	2.2	U
11096-82-5	Aroclor 1260	E608	ug/kg	21.6	40	U	43	U	42	U	42	U
11097-69-1	Aroclor 1254	E608	ug/kg	23	40	U	43	U	42	U	42	
11100-14-4	Aroclor 1268	E608	ug/kg	21.6	40	U	43	U	42	U	42	U
11104-28-2	Aroclor 1221	E608	ug/kg	21.6	40	U	43	U	42	U	42	U
11141-16-5	Aroclor 1232	E608	ug/kg	21.6	40	U	43	U	42	U	42	U
12672-29-6	Aroclor 1248	E608	ug/kg	21.6	40	U	43	U	42	U	42	U
12674-11-2	Aroclor 1016	E608	ug/kg	21.6	40	U	43	U	42	U	42	U
37324-23-5	Aroclor 1262	E608	ug/kg	21.6	40	U	43	U	42	U	42	U
53469-21-9	Aroclor 1242	E608	ug/kg	21.6	40	U	43	U	42	U	42	U

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Data Gap Technical Memorandum
Sample Results - Organics

				sys_loc_code:	A122		A133		B11		B14	
				loc_name:	Area-02		Area-05		Area-05		Area-05	
				sys_sample_code:	A122 0-6		A133 0-6		B11 0-6		B14 0-6	
				sample_date:	06/30/2009		06/30/2009		07/23/2009		07/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856	6.3	U	6	U	5.8	U	5.7	U
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202	6.3	U	6	U	5.8	U	5.7	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000	6.3	U	6	U	5.8	U	5.7	U
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570	6.3	U	6	U	5.8	U	5.7	U
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310	6.3	U	6	U	5.8	U	5.7	U
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780	6.3	U	6	U	5.8	U	5.7	U
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858	6.3	U	6	U	5.8	U	5.7	U
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473	6.3	U	6	U	5.8	U	5.7	U
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35	6.3	U	6	U	5.8	U	5.7	U
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7	6.3	U	6	U	5.8	U	5.7	U
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989	6.3	U	6	U	5.8	U	5.7	U
107-06-2	1,2-Dichloroethane	E624	ug/kg	432	6.3	U	6	U	5.8	U	5.7	U
78-87-5	1,2-Dichloropropane	E624	ug/kg	895	6.3	U	6	U	5.8	U	5.7	U
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842	6.3	U	6	U	5.8	U	5.7	U
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460	6.3	U	6	U	5.8	U	5.7	U
123-91-1	1,4-Dioxane	E624	ug/kg	44100	130	R	120	R	120	R	110	R
78-93-3	2-Butanone	E624	ug/kg	2780000	13	U	12	U	12	U	11	U
591-78-6	2-Hexanone	E624	ug/kg	20900	13	U	12	U	12	U	11	U
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000	13	U	12	U	12	U	11	U
67-64-1	Acetone	E624	ug/kg	6130000	16		13		6.4	J	6.1	J
71-43-2	Benzene	E624	ug/kg	137	6.3	U	6	U	5.8	U	5.7	U
74-97-5	Bromochloromethane	E624	ug/kg	N/A	6.3	U	6	U	5.8	U	5.7	U
75-27-4	Bromodichloromethane	E624	ug/kg	273	6.3	U	6	U	5.8	U	5.7	U
75-25-2	Bromoform	E624	ug/kg	1310	6.3	U	6	U	5.8	U	5.7	U
74-83-9	Bromomethane	E624	ug/kg	732	6.3	U	6	U	5.8	U	5.7	U
75-15-0	Carbon Disulfide	E624	ug/kg	0.851	0.72	J	1.3	J	0.71	J	1.7	J
56-23-5	Carbon tetrachloride	E624	ug/kg	248	6.3	U	6	U	5.8	U	5.7	U
108-90-7	Chlorobenzene	E624	ug/kg	162	6.3	U	6	U	5.8	U	5.7	U
75-00-3	Chloroethane	E624	ug/kg	1450000	6.3	U	6	U	5.8	U	5.7	U
67-66-3	Chloroform	E624	ug/kg	295	6.3	U	6	U	5.8	U	5.7	U
74-87-3	Chloromethane	E624	ug/kg	11900	6.3	U	6	U	5.8	U	5.7	U
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200	6.3	U	6	U	5.8	U	5.7	U

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Data Gap Technical Memorandum
Sample Results - Organics

				sys_loc_code:	A122		A133		B11		B14	
				loc_name:	Area-02		Area-05		Area-05		Area-05	
				sys_sample_code:	A122 0-6		A133 0-6		B11 0-6		B14 0-6	
				sample_date:	06/30/2009		06/30/2009		07/23/2009		07/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	N/A	6.3	U	6	U	5.8	U	5.7	U
110-82-7	Cyclohexane	E624	ug/kg	117000	6.3	U	6	U	5.8	U	5.7	U
124-48-1	Dibromochloromethane	E624	ug/kg	680	6.3	U	6	U	5.8	U	5.7	U
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400	6.3	U	6	U	5.8	U	5.7	U
100-41-4	Ethylbenzene	E624	ug/kg	305	6.3	U	6	U	5.8	U	5.7	U
98-82-8	Isopropylbenzene	E624	ug/kg	86	6.3	U	6	U	5.8	U	5.7	U
179601-23-1	m,p-Xylene	E624	ug/kg	N/A	6.3	U	6	U	5.8	U	5.7	U
79-20-9	Methyl Acetate	E624	ug/kg	7820000	6.3	U	6	U	5.8	U	5.7	U
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300	6.3	U	6	U	5.8	U	5.7	U
108-87-2	Methylcyclohexane	E624	ug/kg	N/A	6.3	U	6	U	5.8	U	5.7	U
75-09-2	Methylene chloride	E624	ug/kg	10700	6.3	U	6	U	5.8	U	5.7	U
95-47-6	o-Xylene	E624	ug/kg	N/A	6.3	U	6	U	5.8	U	5.7	U
100-42-5	Styrene	E624	ug/kg	7070	6.3	U	6	U	5.8	U	5.7	U
127-18-4	Tetrachloroethene	E624	ug/kg	190	6.3	U	6	U	5.8	U	5.7	U
108-88-3	Toluene	E624	ug/kg	1090	6.3	U	6	U	5.8	U	5.7	U
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300	6.3	U	6	U	5.8	U	5.7	U
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	N/A	6.3	U	6	U	5.8	U	5.7	U
79-01-6	Trichloroethene	E624	ug/kg	1600	6.3	U	6	U	5.8	U	5.7	U
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700	6.3	U	6	U	5.8	U	5.7	U
75-01-4	Vinyl Chloride	E624	ug/kg	59.7	6.3	U	6	U	5.8	U	5.7	U
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220	220	U	210	U	220	U	220	U
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830	220	U	210	U	220	U	220	U
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819	220	U	210	U	220	U	220	U
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650	220	U	210	U	220	U	220	U
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117	220	U	210	U	220	U	220	U
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29	220	U	210	U	220	U	220	U
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200	430	U	410	U	430	U	430	U
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6	220	U	210	U	220	U	220	U
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120	220	U	210	U	220	U	220	U
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000	220	U	210	U	220	U	220	U
95-57-8	2-Chlorophenol	E625	ug/kg	344	220	U	210	U	220	U	220	U
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2	220	U	210	U	220	U	220	U
95-48-7	2-Methylphenol	E625	ug/kg	306000	220	U	210	U	220	U	220	U
88-74-4	2-Nitroaniline	E625	ug/kg	60600	430	U	410	U	430	U	430	U

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Sample Results - Organics

				sys_loc_code:	A122		A133		B11		B14	
				loc_name:	Area-02		Area-05		Area-05		Area-05	
				sys_sample_code:	A122 0-6		A133 0-6		B11 0-6		B14 0-6	
				sample_date:	06/30/2009		06/30/2009		07/23/2009		07/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
88-75-5	2-Nitrophenol	E625	ug/kg	N/A	220	U	210	U	220	U	220	U
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080	220	U	210	U	220	U	220	U
99-09-2	3-Nitroaniline	E625	ug/kg	N/A	430	U	410	U	430	U	430	U
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611	430	U	410	U	430	U	430	U
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230	220	U	210	U	220	U	220	U
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000	220	U	210	U	220	U	220	U
106-47-8	4-Chloroaniline	E625	ug/kg	2430	220	U	210	U	220	U	220	U
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	N/A	220	U	210	U	220	U	220	U
106-44-5	4-Methylphenol	E625	ug/kg	670	220	U	210	U	220	U	220	U
100-01-6	4-Nitroaniline	E625	ug/kg	24300	430	U	410	U	430	U	430	U
100-02-7	4-Nitrophenol	E625	ug/kg	N/A	430	U	410	U	430	U	430	U
83-32-9	Acenaphthene	E625	ug/kg	6.71	220	U	210	U	220	U	220	U
208-96-8	Acenaphthylene	E625	ug/kg	5.87	220	U	210	U	220	U	220	U
98-86-2	Acetophenone	E625	ug/kg	782000	38	J	38	J	23	J	21	J
120-12-7	Anthracene	E625	ug/kg	46.9	220	U	210	U	220	U	220	U
1912-24-9	Atrazine	E625	ug/kg	6.62	220	U	210	U	220	U	220	U
100-52-7	Benzaldehyde	E625	ug/kg	782000	61	J	64	J	44	J	29	J
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8	14	J	32	J	7.7	J	6.9	J
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8	16	J	40	J	220	U	220	U
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148	18	J	54	J	220	U	7.8	J
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170	220	U	23	J	220	U	220	U
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240	9.5	J	16	J	220	U	220	U
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300	220	U	210	U	220	U	220	U
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214	220	U	210	U	220	U	220	U
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182	28	J	26	J	24	J	19	J
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570	220	U	210	U	220	U	220	U
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800	220	U	210	U	220	U	220	U
105-60-2	Caprolactam	E625	ug/kg	3060000	220	U	210	U	220	U	220	U
86-74-8	Carbazole	E625	ug/kg	N/A	220	U	210	U	220	U	220	U
58-90-2	Chlorophenols	E625	ug/kg	284	220	U	210	U	220	U	220	U
218-01-9	Chrysene	E625	ug/kg	108	15	J	27	J	220	U	220	U
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22	220	U	210	U	220	U	220	U
132-64-9	Dibenzofuran	E625	ug/kg	7300	220	U	210	U	220	U	220	U
84-66-2	Diethylphthalate	E625	ug/kg	218	220	U	210	U	220	U	6.5	J

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Sample Results - Organics

				sys_loc_code:	A122		A133		B11		B14	
				loc_name:	Area-02		Area-05		Area-05		Area-05	
				sys_sample_code:	A122 0-6		A133 0-6		B11 0-6		B14 0-6	
				sample_date:	06/30/2009		06/30/2009		07/23/2009		07/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
131-11-3	Dimethylphthalate	E625	ug/kg	N/A	220	U	210	U	220	U	220	U
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160	220	U	210	U	8.1	J	8.5	J
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	N/A	220	U	210	U	220	U	220	U
206-44-0	Fluoranthene	E625	ug/kg	113	22	J	44	J	8.1	J	7.5	J
86-73-7	Fluorene	E625	ug/kg	19	220	UJ	210	UJ	220	U	220	U
118-74-1	Hexachlorobenzene	E625	ug/kg	20	220	U	210	U	220	U	220	U
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110	220	U	210	U	220	U	220	U
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139	220	U	210	U	220	U	220	U
67-72-1	Hexachloroethane	E625	ug/kg	804	220	U	210	U	220	U	220	U
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17	220	U	32	J	220	UJ	220	UJ
78-59-1	Isophorone	E625	ug/kg	511000	220	U	210	U	220	U	220	U
91-20-3	Naphthalene	E625	ug/kg	34.6	220	U	210	U	220	U	220	U
98-95-3	Nitrobenzene	E625	ug/kg	4790	220	U	210	U	220	U	220	U
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4	220	U	210	U	220	U	220	U
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100	220	U	210	U	220	U	220	U
87-86-5	Pentachlorophenol	E625	ug/kg	2970	430	U	410	U	430	U	430	U
85-01-8	Phenanthrene	E625	ug/kg	86.7	11	J	23	J	220	U	220	U
108-95-2	Phenol	E625	ug/kg	420	12	J	19	J	64	J	31	J
129-00-0	Pyrene	E625	ug/kg	153	22	J	34	J	10	J	11	J
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6	3.6	R	2.1	U	2.2	UJ	2.2	UJ
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357	4.3	U	4.1	U	4.3	U	4.3	U
309-00-2	Aldrin	CPEST	ug/kg	2	2.2	U	2.1	U	2.2	U	2.2	U
319-84-6	Alpha-Bhc	CPEST	ug/kg	3	2.2	U	2.1	U	2.2	UJ	2.2	U
319-85-7	Beta-Bhc	CPEST	ug/kg	3	2.2	U	2.1	U	2.2	UJ	2.2	UJ
319-86-8	Delta-Bhc	CPEST	ug/kg	3	2.2	U	2.1	U	2.2	U	2.2	U
33213-65-9	Endosulfan II	CPEST	ug/kg	14	4.3	U	4.1	U	4.3	UJ	4.3	UJ
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19	60		4.3	J	4.3	UJ	4.3	UJ
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7	2.2	U	2.1	U	2.2	U	2.2	U
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7	2.2	U	2.1	U	2.2	U	2.2	UJ
53494-70-5	Endrin Ketone	CPEST	ug/kg	N/A	4.3	U	4.1	U	0.13	J	0.074	J
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32	2.2	U	2.1	U	2.2	UJ	2.2	U
60-57-1	Dieldrin	CPEST	ug/kg	0.72	14	R	4.1	U	4.3	U	4.3	U
72-20-8	Endrin	CPEST	ug/kg	2.67	4.3	U	4.1	U	4.3	UJ	4.3	U
72-43-5	Methoxychlor	CPEST	ug/kg	29.6	22	U	21	U	22	U	22	UJ

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Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Sample Results - Organics

				sys_loc_code:	A122		A133		B11		B14	
				loc_name:	Area-02		Area-05		Area-05		Area-05	
				sys_sample_code:	A122 0-6		A133 0-6		B11 0-6		B14 0-6	
				sample_date:	06/30/2009		06/30/2009		07/23/2009		07/23/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22	4.3	U	4.1	U	4.3	U	4.3	U
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07	19		1.4	J	1.3	J	4.3	U
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	N/A	4.3	U	4.1	U	4.3	UJ	4.3	UJ
76-44-8	Heptachlor	CPEST	ug/kg	68	2.2	U	2.1	U	2.2	UJ	2.2	UJ
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1	220	U	210	U	220	U	220	U
959-98-8	Endosulfan I	CPEST	ug/kg	2.9	2.2	U	2.1	U	2.2	U	2.2	U
11096-82-5	Aroclor 1260	E608	ug/kg	21.6	43	U	41	U	43	U	43	U
11097-69-1	Aroclor 1254	E608	ug/kg	23	480		50		37	J	43	U
11100-14-4	Aroclor 1268	E608	ug/kg	21.6	43	U	41	U	43	U	43	U
11104-28-2	Aroclor 1221	E608	ug/kg	21.6	43	U	41	U	43	U	43	U
11141-16-5	Aroclor 1232	E608	ug/kg	21.6	43	U	41	U	43	U	43	U
12672-29-6	Aroclor 1248	E608	ug/kg	21.6	43	U	41	U	43	U	43	U
12674-11-2	Aroclor 1016	E608	ug/kg	21.6	43	U	41	U	43	U	43	U
37324-23-5	Aroclor 1262	E608	ug/kg	21.6	43	U	41	U	43	U	43	U
53469-21-9	Aroclor 1242	E608	ug/kg	21.6	43	U	41	U	43	U	43	U

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Raritan Bay Slag Superfund Site
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Data Gap Technical Memorandum
Sample Results - Organics

				sys_loc_code:	B4		B31		B34		B63	
				loc_name:	Area-05		Area-06		Area-06		Area-06	
				sys_sample_code:	B4 0-6		B31 0-6		B34 0-6		B63 0-6	
				sample_date:	07/23/2009		07/23/2009		07/08/2009		07/27/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856	7.1	U	6	U	6.2	U	6.1	U
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202	7.1	U	6	U	6.2	U	6.1	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000	7.1	U	6	U	6.2	U	6.1	U
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570	7.1	U	6	U	6.2	U	6.1	U
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310	7.1	U	6	U	6.2	U	6.1	U
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780	7.1	U	6	U	6.2	U	6.1	U
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858	7.1	U	6	U	6.2	U	6.1	U
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473	7.1	U	6	U	6.2	U	6.1	U
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35	7.1	U	6	U	6.2	U	6.1	U
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7	7.1	U	6	U	6.2	U	6.1	U
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989	7.1	U	6	U	6.2	U	6.1	U
107-06-2	1,2-Dichloroethane	E624	ug/kg	432	7.1	U	6	U	6.2	U	6.1	U
78-87-5	1,2-Dichloropropane	E624	ug/kg	895	7.1	U	6	U	6.2	U	6.1	U
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842	7.1	U	6	U	6.2	U	6.1	U
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460	7.1	U	6	U	6.2	U	6.1	U
123-91-1	1,4-Dioxane	E624	ug/kg	44100	140	R	120	R	120	R	120	R
78-93-3	2-Butanone	E624	ug/kg	2780000	6.3	J	5.5	J	12	U	12	U
591-78-6	2-Hexanone	E624	ug/kg	20900	14	U	12	U	12	U	12	U
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000	14	U	12	U	12	U	12	U
67-64-1	Acetone	E624	ug/kg	6130000	6.3	J	5.9	J	12	U	8.2	J
71-43-2	Benzene	E624	ug/kg	137	7.1	U	6	U	6.2	U	6.1	U
74-97-5	Bromochloromethane	E624	ug/kg	N/A	7.1	U	6	U	6.2	U	6.1	U
75-27-4	Bromodichloromethane	E624	ug/kg	273	7.1	U	6	U	6.2	U	6.1	U
75-25-2	Bromoform	E624	ug/kg	1310	7.1	U	6	U	6.2	U	6.1	U
74-83-9	Bromomethane	E624	ug/kg	732	7.1	U	6	U	6.2	U	6.1	U
75-15-0	Carbon Disulfide	E624	ug/kg	0.851	1.5	J	0.47	J	0.58	J	0.58	J
56-23-5	Carbon tetrachloride	E624	ug/kg	248	7.1	U	6	U	6.2	U	6.1	U
108-90-7	Chlorobenzene	E624	ug/kg	162	7.1	U	6	U	6.2	U	0.73	J
75-00-3	Chloroethane	E624	ug/kg	1450000	7.1	U	6	U	6.2	U	6.1	U
67-66-3	Chloroform	E624	ug/kg	295	7.1	U	6	U	6.2	U	6.1	U
74-87-3	Chloromethane	E624	ug/kg	11900	7.1	U	6	U	6.2	U	6.1	U
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200	7.1	U	6	U	6.2	U	6.1	U

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Data Gap Technical Memorandum
Sample Results - Organics

				sys_loc_code:	B4		B31		B34		B63	
				loc_name:	Area-05		Area-06		Area-06		Area-06	
				sys_sample_code:	B4 0-6		B31 0-6		B34 0-6		B63 0-6	
				sample_date:	07/23/2009		07/23/2009		07/08/2009		07/27/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	N/A	7.1	U	6	U	6.2	U	6.1	U
110-82-7	Cyclohexane	E624	ug/kg	117000	7.1	U	6	U	6.2	U	6.1	U
124-48-1	Dibromochloromethane	E624	ug/kg	680	7.1	U	6	U	6.2	U	6.1	U
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400	7.1	U	6	U	6.2	U	6.1	U
100-41-4	Ethylbenzene	E624	ug/kg	305	7.1	U	6	U	6.2	U	6.1	U
98-82-8	Isopropylbenzene	E624	ug/kg	86	7.1	U	6	U	6.2	U	6.1	U
179601-23-1	m,p-Xylene	E624	ug/kg	N/A	7.1	U	6	U	6.2	U	6.1	U
79-20-9	Methyl Acetate	E624	ug/kg	7820000	7.1	U	6	U	6.2	U	6.1	U
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300	7.1	U	6	U	6.2	U	6.1	U
108-87-2	Methylcyclohexane	E624	ug/kg	N/A	7.1	U	6	U	6.2	U	6.1	U
75-09-2	Methylene chloride	E624	ug/kg	10700	7.1	U	6	U	6.2	U	6.1	U
95-47-6	o-Xylene	E624	ug/kg	N/A	7.1	U	6	U	6.2	U	6.1	U
100-42-5	Styrene	E624	ug/kg	7070	7.1	U	6	U	6.2	U	6.1	U
127-18-4	Tetrachloroethene	E624	ug/kg	190	7.1	U	6	U	6.2	U	6.1	U
108-88-3	Toluene	E624	ug/kg	1090	7.1	U	6	U	6.2	U	6.1	U
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300	7.1	U	6	U	6.2	U	6.1	U
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	N/A	7.1	U	6	U	6.2	U	6.1	U
79-01-6	Trichloroethene	E624	ug/kg	1600	7.1	U	6	U	6.2	U	6.1	U
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700	7.1	U	6	U	6.2	U	6.1	U
75-01-4	Vinyl Chloride	E624	ug/kg	59.7	7.1	U	6	U	6.2	U	6.1	U
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220	240	U	230	U	220	U	220	U
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830	240	U	230	U	220	U	220	U
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819	240	U	230	U	220	U	220	U
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650	240	U	230	U	220	U	220	U
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117	240	U	230	U	220	U	220	U
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29	240	U	230	U	220	U	220	U
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200	460	U	440	U	430	U	430	U
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6	240	U	230	U	220	U	220	U
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120	240	U	230	U	220	U	220	U
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000	240	U	230	U	220	U	220	U
95-57-8	2-Chlorophenol	E625	ug/kg	344	240	U	230	U	220	U	220	U
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2	240	U	230	U	220	U	220	U
95-48-7	2-Methylphenol	E625	ug/kg	306000	240	U	230	U	220	U	220	U
88-74-4	2-Nitroaniline	E625	ug/kg	60600	460	U	440	U	430	U	430	U

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Data Gap Technical Memorandum
Sample Results - Organics

				sys_loc_code:	B4		B31		B34		B63	
				loc_name:	Area-05		Area-06		Area-06		Area-06	
				sys_sample_code:	B4 0-6		B31 0-6		B34 0-6		B63 0-6	
				sample_date:	07/23/2009		07/23/2009		07/08/2009		07/27/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
88-75-5	2-Nitrophenol	E625	ug/kg	N/A	240	U	230	U	220	U	220	U
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080	240	U	230	U	220	U	220	U
99-09-2	3-Nitroaniline	E625	ug/kg	N/A	460	U	440	U	430	U	430	U
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611	460	U	440	U	430	U	430	U
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230	240	U	230	U	220	U	220	U
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000	240	U	230	U	220	U	220	U
106-47-8	4-Chloroaniline	E625	ug/kg	2430	240	U	230	U	220	U	220	U
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	N/A	240	U	230	U	220	U	220	U
106-44-5	4-Methylphenol	E625	ug/kg	670	240	U	230	U	220	U	220	U
100-01-6	4-Nitroaniline	E625	ug/kg	24300	460	U	440	U	430	U	430	U
100-02-7	4-Nitrophenol	E625	ug/kg	N/A	460	U	440	U	430	U	430	U
83-32-9	Acenaphthene	E625	ug/kg	6.71	240	U	230	U	220	U	220	U
208-96-8	Acenaphthylene	E625	ug/kg	5.87	240	U	230	U	220	U	220	U
98-86-2	Acetophenone	E625	ug/kg	782000	21	J	22	J	30	J	41	J
120-12-7	Anthracene	E625	ug/kg	46.9	240	U	230	U	220	U	220	U
1912-24-9	Atrazine	E625	ug/kg	6.62	240	U	230	U	220	U	220	U
100-52-7	Benzaldehyde	E625	ug/kg	782000	43	J	48	J	44	J	56	J
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8	24	J	16	J	7.3	J	220	U
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8	21	J	18	J	220	U	220	U
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148	25	J	18	J	220	U	220	U
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170	13	J	11	J	220	U	220	U
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240	10	J	8.5	J	220	U	220	U
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300	240	U	230	U	220	U	220	U
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214	240	U	230	U	220	U	220	U
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182	25	J	26	J	17	J	22	J
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570	240	U	230	U	220	U	220	U
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800	240	U	230	U	220	U	220	U
105-60-2	Caprolactam	E625	ug/kg	3060000	240	U	230	U	220	U	220	U
86-74-8	Carbazole	E625	ug/kg	N/A	240	U	230	U	220	U	220	U
58-90-2	Chlorophenols	E625	ug/kg	284	240	U	230	U	220	U	220	U
218-01-9	Chrysene	E625	ug/kg	108	19	J	17	J	7	J	220	U
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22	240	U	230	U	220	U	220	U
132-64-9	Dibenzofuran	E625	ug/kg	7300	240	U	230	U	220	U	220	U
84-66-2	Diethylphthalate	E625	ug/kg	218	240	U	230	U	9.2	J	220	U

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Sample Results - Organics

				sys_loc_code:	B4		B31		B34		B63	
				loc_name:	Area-05		Area-06		Area-06		Area-06	
				sys_sample_code:	B4 0-6		B31 0-6		B34 0-6		B63 0-6	
				sample_date:	07/23/2009		07/23/2009		07/08/2009		07/27/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
131-11-3	Dimethylphthalate	E625	ug/kg	N/A	240	U	230	U	220	U	220	U
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160	11	J	12	J	8.3	J	8.2	J
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	N/A	240	U	230	U	220	U	220	U
206-44-0	Fluoranthene	E625	ug/kg	113	34	J	49	J	220	U	220	U
86-73-7	Fluorene	E625	ug/kg	19	240	U	230	U	220	U	220	U
118-74-1	Hexachlorobenzene	E625	ug/kg	20	240	U	230	U	220	U	220	U
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110	240	U	230	U	220	U	220	U
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139	240	U	230	U	220	U	220	U
67-72-1	Hexachloroethane	E625	ug/kg	804	240	U	230	U	220	U	220	U
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17	15	J	11	J	220	U	220	U
78-59-1	Isophorone	E625	ug/kg	511000	240	U	230	U	220	U	220	U
91-20-3	Naphthalene	E625	ug/kg	34.6	240	U	9	J	220	U	220	U
98-95-3	Nitrobenzene	E625	ug/kg	4790	240	U	230	U	220	U	220	U
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4	240	U	230	U	220	U	220	U
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100	240	U	230	U	220	U	220	U
87-86-5	Pentachlorophenol	E625	ug/kg	2970	460	U	440	U	430	U	430	U
85-01-8	Phenanthrene	E625	ug/kg	86.7	14	J	49	J	220	U	220	U
108-95-2	Phenol	E625	ug/kg	420	45	J	44	J	20	J	40	J
129-00-0	Pyrene	E625	ug/kg	153	31	J	45	J	220	U	9.1	J
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6	2.4	UJ	2.3	UJ	2.2	UJ	2.2	U
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357	4.6	U	4.4	U	4.3	U	4.3	U
309-00-2	Aldrin	CPEST	ug/kg	2	2.4	U	2.3	U	2.2	U	2.2	U
319-84-6	Alpha-Bhc	CPEST	ug/kg	3	2.4	U	0.042	J	2.2	U	2.2	U
319-85-7	Beta-Bhc	CPEST	ug/kg	3	2.4	UJ	0.052	J	2.2	U	0.11	J
319-86-8	Delta-Bhc	CPEST	ug/kg	3	2.4	U	2.3	U	2.2	U	2.2	U
33213-65-9	Endosulfan II	CPEST	ug/kg	14	4.6	UJ	4.4	U	4.3	U	4.3	U
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19	4.6	UJ	4.4	U	4.3	UJ	4.3	UJ
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7	2.4	U	2.3	U	2.2	U	2.2	U
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7	2.4	UJ	2.3	U	2.2	U	2.2	U
53494-70-5	Endrin Ketone	CPEST	ug/kg	N/A	4.6	UJ	4.4	U	4.3	U	0.11	J
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32	2.4	U	2.3	U	2.2	U	2.2	U
60-57-1	Dieldrin	CPEST	ug/kg	0.72	4.6	U	4.4	U	4.3	U	4.3	U
72-20-8	Endrin	CPEST	ug/kg	2.67	4.6	U	4.4	U	0.13	J	0.11	J
72-43-5	Methoxychlor	CPEST	ug/kg	29.6	24	UJ	23	U	22	U	22	U

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Raritan Bay Slag Superfund Site
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Data Gap Technical Memorandum
Sample Results - Organics

				sys_loc_code:	B4		B31		B34		B63	
				loc_name:	Area-05		Area-06		Area-06		Area-06	
				sys_sample_code:	B4 0-6		B31 0-6		B34 0-6		B63 0-6	
				sample_date:	07/23/2009		07/23/2009		07/08/2009		07/27/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22	4.6	UJ	4.4	U	4.3	U	4.3	U
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07	4.6	U	4.4	U	4.3	U	4.3	U
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	N/A	4.6	UJ	4.4	U	4.3	U	4.3	U
76-44-8	Heptachlor	CPEST	ug/kg	68	2.4	UJ	2.3	U	2.2	U	2.2	U
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1	240	U	230	U	220	U	220	U
959-98-8	Endosulfan I	CPEST	ug/kg	2.9	2.4	U	2.3	U	2.2	U	2.2	U
11096-82-5	Aroclor 1260	E608	ug/kg	21.6	46	U	44	U	43	U	43	U
11097-69-1	Aroclor 1254	E608	ug/kg	23	46	U	17	J	43	U	43	U
11100-14-4	Aroclor 1268	E608	ug/kg	21.6	46	U	44	U	43	U	43	U
11104-28-2	Aroclor 1221	E608	ug/kg	21.6	46	U	44	U	43	U	43	U
11141-16-5	Aroclor 1232	E608	ug/kg	21.6	46	U	44	U	43	U	43	U
12672-29-6	Aroclor 1248	E608	ug/kg	21.6	46	U	44	U	43	U	43	U
12674-11-2	Aroclor 1016	E608	ug/kg	21.6	46	U	44	U	43	U	43	U
37324-23-5	Aroclor 1262	E608	ug/kg	21.6	46	U	44	U	43	U	43	U
53469-21-9	Aroclor 1242	E608	ug/kg	21.6	46	U	44	U	43	U	43	U

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Data Gap Technical Memorandum
Sample Results - Organics

				sys_loc_code:	C121		C121		C28		C37	
				loc_name:	Area-07		Area-07		Area-08		Area-08	
				sys_sample_code:	C121 0-6		Z121 0-6		C28 0-6		C37 0-6	
				sample_date:	07/08/2009		07/08/2009		07/09/2009		07/09/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856	5.1	U	5.4	U	6.6	U	15	U
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202	5.1	U	5.4	U	6.6	U	15	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000	5.1	U	5.4	U	6.6	U	15	U
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570	5.1	U	5.4	U	6.6	U	15	U
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310	5.1	U	5.4	U	6.6	U	15	U
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780	5.1	U	5.4	U	6.6	U	15	U
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858	5.1	U	5.4	U	6.6	U	15	U
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473	5.1	U	5.4	U	6.6	U	15	U
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35	5.1	U	5.4	U	6.6	U	15	U
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7	5.1	U	5.4	U	6.6	U	15	U
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989	5.1	U	5.4	U	6.6	U	15	U
107-06-2	1,2-Dichloroethane	E624	ug/kg	432	5.1	U	5.4	U	6.6	U	15	U
78-87-5	1,2-Dichloropropane	E624	ug/kg	895	5.1	U	5.4	U	6.6	U	15	U
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842	5.1	U	5.4	U	6.6	U	15	U
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460	5.1	U	5.4	U	6.6	U	15	U
123-91-1	1,4-Dioxane	E624	ug/kg	44100	100	R	110	R	130	R	290	R
78-93-3	2-Butanone	E624	ug/kg	2780000	10	U	11	U	13	U	29	U
591-78-6	2-Hexanone	E624	ug/kg	20900	10	U	11	U	13	U	29	U
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000	10	U	11	U	13	U	29	U
67-64-1	Acetone	E624	ug/kg	6130000	11	U	16	U	13	U	29	U
71-43-2	Benzene	E624	ug/kg	137	5.1	U	5.4	U	6.6	U	15	U
74-97-5	Bromochloromethane	E624	ug/kg	N/A	5.1	U	5.4	U	6.6	U	15	U
75-27-4	Bromodichloromethane	E624	ug/kg	273	5.1	U	5.4	U	6.6	U	15	U
75-25-2	Bromoform	E624	ug/kg	1310	5.1	U	5.4	U	6.6	U	15	U
74-83-9	Bromomethane	E624	ug/kg	732	5.1	U	5.4	U	6.6	U	15	U
75-15-0	Carbon Disulfide	E624	ug/kg	0.851	1.4	J	1.3	J	1.1	J	5.6	J
56-23-5	Carbon tetrachloride	E624	ug/kg	248	5.1	U	5.4	U	6.6	U	15	U
108-90-7	Chlorobenzene	E624	ug/kg	162	5.1	U	5.4	U	6.6	U	15	U
75-00-3	Chloroethane	E624	ug/kg	1450000	5.1	U	5.4	U	6.6	U	15	U
67-66-3	Chloroform	E624	ug/kg	295	5.1	U	5.4	U	6.6	U	15	U
74-87-3	Chloromethane	E624	ug/kg	11900	5.1	U	5.4	U	6.6	U	15	U
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200	5.1	U	5.4	U	6.6	U	15	U

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Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Sample Results - Organics

				sys_loc_code:	C121		C121		C28		C37	
				loc_name:	Area-07		Area-07		Area-08		Area-08	
				sys_sample_code:	C121 0-6		Z121 0-6		C28 0-6		C37 0-6	
				sample_date:	07/08/2009		07/08/2009		07/09/2009		07/09/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	N/A	5.1	U	5.4	U	6.6	U	15	U
110-82-7	Cyclohexane	E624	ug/kg	117000	5.1	U	5.4	U	6.6	U	15	U
124-48-1	Dibromochloromethane	E624	ug/kg	680	5.1	U	5.4	U	6.6	U	15	U
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400	5.1	U	5.4	U	6.6	U	15	U
100-41-4	Ethylbenzene	E624	ug/kg	305	5.1	U	5.4	U	6.6	U	15	U
98-82-8	Isopropylbenzene	E624	ug/kg	86	5.1	U	5.4	U	6.6	U	15	U
179601-23-1	m,p-Xylene	E624	ug/kg	N/A	5.1	U	5.4	U	6.6	U	15	U
79-20-9	Methyl Acetate	E624	ug/kg	7820000	5.1	U	5.4	U	6.6	U	15	U
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300	5.1	U	5.4	U	6.6	U	15	U
108-87-2	Methylcyclohexane	E624	ug/kg	N/A	5.1	U	5.4	U	6.6	U	15	U
75-09-2	Methylene chloride	E624	ug/kg	10700	5.1	U	5.4	U	6.6	U	15	U
95-47-6	o-Xylene	E624	ug/kg	N/A	5.1	U	5.4	U	6.6	U	15	U
100-42-5	Styrene	E624	ug/kg	7070	5.1	U	5.4	U	6.6	U	15	U
127-18-4	Tetrachloroethene	E624	ug/kg	190	5.1	U	5.4	U	6.6	U	15	U
108-88-3	Toluene	E624	ug/kg	1090	5.1	U	5.4	U	6.6	U	15	U
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300	5.1	U	5.4	U	6.6	U	15	U
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	N/A	5.1	U	5.4	U	6.6	U	15	U
79-01-6	Trichloroethene	E624	ug/kg	1600	5.1	U	5.4	U	6.6	U	15	U
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700	5.1	U	5.4	U	6.6	U	15	U
75-01-4	Vinyl Chloride	E624	ug/kg	59.7	5.1	U	5.4	U	6.6	U	15	U
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220	210	U	210	U	220	U	340	U
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830	210	U	210	U	220	U	340	U
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819	210	U	210	U	220	U	340	U
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650	210	U	210	U	220	U	340	U
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117	210	U	210	U	220	U	340	U
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29	210	U	210	U	220	U	340	U
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200	410	U	400	U	430	U	670	U
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6	210	U	210	U	220	U	340	U
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120	210	U	210	U	220	U	340	U
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000	210	U	210	U	220	U	340	U
95-57-8	2-Chlorophenol	E625	ug/kg	344	210	U	210	U	220	U	340	U
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2	210	U	210	U	12	J	340	U
95-48-7	2-Methylphenol	E625	ug/kg	306000	210	U	210	U	220	U	340	U
88-74-4	2-Nitroaniline	E625	ug/kg	60600	410	U	400	U	430	U	670	U

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				sys_loc_code:	C121		C121		C28		C37	
				loc_name:	Area-07		Area-07		Area-08		Area-08	
				sys_sample_code:	C121 0-6		Z121 0-6		C28 0-6		C37 0-6	
				sample_date:	07/08/2009		07/08/2009		07/09/2009		07/09/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
88-75-5	2-Nitrophenol	E625	ug/kg	N/A	210	U	210	U	220	U	340	U
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080	210	U	210	U	220	U	340	U
99-09-2	3-Nitroaniline	E625	ug/kg	N/A	410	U	400	U	430	U	670	U
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611	410	U	400	U	430	U	670	U
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230	210	U	210	U	220	U	340	U
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000	210	U	210	U	220	U	340	U
106-47-8	4-Chloroaniline	E625	ug/kg	2430	210	U	210	U	220	U	340	U
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	N/A	210	U	210	U	220	U	340	U
106-44-5	4-Methylphenol	E625	ug/kg	670	7.1	J	210	U	15	J	17	J
100-01-6	4-Nitroaniline	E625	ug/kg	24300	410	U	400	U	430	U	670	U
100-02-7	4-Nitrophenol	E625	ug/kg	N/A	410	U	400	U	430	U	670	U
83-32-9	Acenaphthene	E625	ug/kg	6.71	210	U	210	U	220	U	340	U
208-96-8	Acenaphthylene	E625	ug/kg	5.87	210	U	6.6	J	220	U	340	U
98-86-2	Acetophenone	E625	ug/kg	782000	35	J	23	J	37	J	60	J
120-12-7	Anthracene	E625	ug/kg	46.9	210	U	37	J	18	J	13	J
1912-24-9	Atrazine	E625	ug/kg	6.62	210	U	210	U	220	U	340	U
100-52-7	Benzaldehyde	E625	ug/kg	782000	37	J	17	J	46	J	67	J
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8	26	J	130	J	110	J	71	J
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8	42	J	100	J	100	J	85	J
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148	74	J	140	J	160	J	120	J
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170	29	J	68	J	73	J	50	J
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240	23	J	49	J	51	J	21	J
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300	210	U	210	U	220	U	340	U
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214	210	U	210	U	220	U	340	U
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182	39	J	50	J	90	J	72	J
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570	210	U	210	U	220	U	340	U
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800	210	U	210	U	9.3	J	340	U
105-60-2	Caprolactam	E625	ug/kg	3060000	210	U	210	U	220	U	340	U
86-74-8	Carbazole	E625	ug/kg	N/A	210	U	210	U	7.3	J	340	U
58-90-2	Chlorophenols	E625	ug/kg	284	210	U	210	U	220	U	340	U
218-01-9	Chrysene	E625	ug/kg	108	26	J	100	J	98	J	63	J
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22	9.5	J	19	J	18	J	13	J
132-64-9	Dibenzofuran	E625	ug/kg	7300	210	U	210	U	220	U	340	U
84-66-2	Diethylphthalate	E625	ug/kg	218	210	U	210	U	7.6	J	340	U

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				sys_loc_code:	C121		C121		C28		C37	
				loc_name:	Area-07		Area-07		Area-08		Area-08	
				sys_sample_code:	C121 0-6		Z121 0-6		C28 0-6		C37 0-6	
				sample_date:	07/08/2009		07/08/2009		07/09/2009		07/09/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
131-11-3	Dimethylphthalate	E625	ug/kg	N/A	210	U	210	U	220	U	340	U
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160	210	U	210	U	9.6	J	13	J
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	N/A	210	U	210	U	220	U	340	U
206-44-0	Fluoranthene	E625	ug/kg	113	43	J	260		190	J	130	J
86-73-7	Fluorene	E625	ug/kg	19	210	U	12	J	8.3	J	12	J
118-74-1	Hexachlorobenzene	E625	ug/kg	20	210	U	210	U	220	U	340	U
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110	210	U	210	U	220	U	340	U
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139	210	U	210	U	220	U	340	U
67-72-1	Hexachloroethane	E625	ug/kg	804	210	U	210	U	220	U	340	U
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17	35	J	70	J	83	J	56	J
78-59-1	Isophorone	E625	ug/kg	511000	210	U	210	U	220	U	340	U
91-20-3	Naphthalene	E625	ug/kg	34.6	7.1	J	6.5	J	18	J	20	J
98-95-3	Nitrobenzene	E625	ug/kg	4790	210	U	210	U	220	U	340	U
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4	210	U	210	U	220	U	340	U
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100	210	U	210	U	220	U	340	U
87-86-5	Pentachlorophenol	E625	ug/kg	2970	410	U	400	U	430	U	670	U
85-01-8	Phenanthrene	E625	ug/kg	86.7	19	J	150	J	86	J	56	J
108-95-2	Phenol	E625	ug/kg	420	20	J	16	J	26	J	34	J
129-00-0	Pyrene	E625	ug/kg	153	56	J	220		210	J	110	J
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6	2.1	UJ	2.2	R	2.2	UJ	3.4	UJ
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357	4.1	U	4	U	4.3	U	6.7	U
309-00-2	Aldrin	CPEST	ug/kg	2	2.1	U	2.1	U	2.2	U	3.4	U
319-84-6	Alpha-Bhc	CPEST	ug/kg	3	2.1	UJ	2.1	U	2.2	U	3.4	U
319-85-7	Beta-Bhc	CPEST	ug/kg	3	2.1	U	2.1	U	2.2	U	3.4	U
319-86-8	Delta-Bhc	CPEST	ug/kg	3	2.1	U	2.1	U	2.2	U	3.4	U
33213-65-9	Endosulfan II	CPEST	ug/kg	14	0.2	J	4	UJ	4.3	UJ	6.7	UJ
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19	4.1	UJ	29	J	0.59	J	6.7	UJ
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7	2.1	UJ	2.1	U	2.2	U	3.4	U
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7	2.1	U	2.1	U	2.2	UJ	3.4	U
53494-70-5	Endrin Ketone	CPEST	ug/kg	N/A	4.1	U	4	U	4.3	U	6.7	U
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32	2.1	U	2.1	U	2.2	U	3.4	UJ
60-57-1	Dieldrin	CPEST	ug/kg	0.72	4.1	U	4	U	4.3	U	6.7	U
72-20-8	Endrin	CPEST	ug/kg	2.67	4.1	U	4	UJ	4.3	UJ	6.7	UJ
72-43-5	Methoxychlor	CPEST	ug/kg	29.6	21	U	21	U	22	U	34	UJ

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				sys_loc_code:	C121		C121		C28		C37	
				loc_name:	Area-07		Area-07		Area-08		Area-08	
				sys_sample_code:	C121 0-6		Z121 0-6		C28 0-6		C37 0-6	
				sample_date:	07/08/2009		07/08/2009		07/09/2009		07/09/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22	4.1	UJ	4	U	4.3	UJ	6.7	UJ
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07	4.1	U	11	J	0.45	J	6.7	U
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	N/A	4.1	U	4	UJ	4.3	U	6.7	U
76-44-8	Heptachlor	CPEST	ug/kg	68	2.1	U	2.1	UJ	2.2	UJ	3.4	UJ
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1	210	U	210	U	220	U	340	U
959-98-8	Endosulfan I	CPEST	ug/kg	2.9	2.1	U	2.1	U	2.2	U	3.4	U
11096-82-5	Aroclor 1260	E608	ug/kg	21.6	41	U	40	U	43	U	67	U
11097-69-1	Aroclor 1254	E608	ug/kg	23	12	J	240	J	43	UJ	31	J
11100-14-4	Aroclor 1268	E608	ug/kg	21.6	41	U	40	U	43	U	67	U
11104-28-2	Aroclor 1221	E608	ug/kg	21.6	41	U	40	U	43	U	67	U
11141-16-5	Aroclor 1232	E608	ug/kg	21.6	41	U	40	U	43	U	67	U
12672-29-6	Aroclor 1248	E608	ug/kg	21.6	41	U	40	U	43	U	67	U
12674-11-2	Aroclor 1016	E608	ug/kg	21.6	41	U	40	U	43	U	67	U
37324-23-5	Aroclor 1262	E608	ug/kg	21.6	41	U	40	U	43	U	67	U
53469-21-9	Aroclor 1242	E608	ug/kg	21.6	41	U	40	U	43	U	67	U

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Sample Results - Organics

				sys_loc_code:	C68		C104		C23		C55	
				loc_name:	Area-08		Area-11		Area-11		Area-11	
				sys_sample_code:	C68 0-6		C104 0-6		C23 0-6		C55 0-6	
				sample_date:	07/10/2009		07/27/2009		07/09/2009		07/13/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856	5.9	U	5.8	U	11	U	6.2	U
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202	5.9	U	5.8	U	11	U	6.2	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000	5.9	U	5.8	U	11	U	6.2	U
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570	5.9	U	5.8	U	11	U	6.2	U
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310	5.9	U	5.8	U	11	U	6.2	U
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780	5.9	U	5.8	U	11	U	6.2	U
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858	5.9	U	5.8	U	11	U	6.2	U
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473	5.9	U	5.8	U	11	U	6.2	U
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35	5.9	U	5.8	U	11	U	6.2	U
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7	5.9	U	5.8	U	11	U	6.2	U
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989	5.9	U	5.8	U	11	U	6.2	U
107-06-2	1,2-Dichloroethane	E624	ug/kg	432	5.9	U	5.8	U	11	U	6.2	U
78-87-5	1,2-Dichloropropane	E624	ug/kg	895	5.9	U	5.8	U	11	U	6.2	U
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842	5.9	U	5.8	U	11	U	6.2	U
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460	5.9	U	5.8	U	11	U	6.2	U
123-91-1	1,4-Dioxane	E624	ug/kg	44100	120	R	120	R	230	R	120	R
78-93-3	2-Butanone	E624	ug/kg	2780000	12	U	12	U	23	U	12	U
591-78-6	2-Hexanone	E624	ug/kg	20900	12	U	12	U	23	U	12	U
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000	12	U	12	U	23	U	12	U
67-64-1	Acetone	E624	ug/kg	6130000	12	U	11	J	23	U	15	U
71-43-2	Benzene	E624	ug/kg	137	5.9	U	5.8	U	11	U	6.2	U
74-97-5	Bromochloromethane	E624	ug/kg	N/A	5.9	U	5.8	U	11	U	6.2	U
75-27-4	Bromodichloromethane	E624	ug/kg	273	5.9	U	5.8	U	11	U	6.2	U
75-25-2	Bromoform	E624	ug/kg	1310	5.9	U	5.8	U	11	U	6.2	U
74-83-9	Bromomethane	E624	ug/kg	732	5.9	U	5.8	U	11	U	6.2	U
75-15-0	Carbon Disulfide	E624	ug/kg	0.851	3.9	J	1	J	4.7	J	1.4	J
56-23-5	Carbon tetrachloride	E624	ug/kg	248	5.9	U	5.8	U	11	U	6.2	U
108-90-7	Chlorobenzene	E624	ug/kg	162	5.9	U	5.8	U	11	U	6.2	U
75-00-3	Chloroethane	E624	ug/kg	1450000	5.9	U	5.8	U	11	U	6.2	U
67-66-3	Chloroform	E624	ug/kg	295	5.9	U	5.8	U	11	U	6.2	U
74-87-3	Chloromethane	E624	ug/kg	11900	5.9	U	5.8	U	11	U	6.2	U
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200	5.9	U	5.8	U	11	U	6.2	U

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Sample Results - Organics

				sys_loc_code:	C68		C104		C23		C55	
				loc_name:	Area-08		Area-11		Area-11		Area-11	
				sys_sample_code:	C68 0-6		C104 0-6		C23 0-6		C55 0-6	
				sample_date:	07/10/2009		07/27/2009		07/09/2009		07/13/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	N/A	5.9	U	5.8	U	11	U	6.2	U
110-82-7	Cyclohexane	E624	ug/kg	117000	5.9	U	5.8	U	11	U	6.2	U
124-48-1	Dibromochloromethane	E624	ug/kg	680	5.9	U	5.8	U	11	U	6.2	U
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400	5.9	U	5.8	U	11	U	6.2	U
100-41-4	Ethylbenzene	E624	ug/kg	305	5.9	U	5.8	U	11	U	6.2	U
98-82-8	Isopropylbenzene	E624	ug/kg	86	5.9	U	5.8	U	11	U	6.2	U
179601-23-1	m,p-Xylene	E624	ug/kg	N/A	5.9	U	5.8	U	11	U	6.2	U
79-20-9	Methyl Acetate	E624	ug/kg	7820000	5.9	U	5.8	U	11	U	6.2	U
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300	5.9	U	5.8	U	11	U	6.2	U
108-87-2	Methylcyclohexane	E624	ug/kg	N/A	5.9	U	5.8	U	11	U	6.2	U
75-09-2	Methylene chloride	E624	ug/kg	10700	5.9	U	5.8	U	11	U	6.2	U
95-47-6	o-Xylene	E624	ug/kg	N/A	5.9	U	5.8	U	11	U	6.2	U
100-42-5	Styrene	E624	ug/kg	7070	5.9	U	5.8	U	11	U	6.2	U
127-18-4	Tetrachloroethene	E624	ug/kg	190	5.9	U	5.8	U	11	U	6.2	U
108-88-3	Toluene	E624	ug/kg	1090	5.9	U	5.8	U	11	U	6.2	U
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300	5.9	U	5.8	U	11	U	6.2	U
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	N/A	5.9	U	5.8	U	11	U	6.2	U
79-01-6	Trichloroethene	E624	ug/kg	1600	5.9	U	5.8	U	11	U	6.2	U
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700	5.9	U	5.8	U	11	U	6.2	U
75-01-4	Vinyl Chloride	E624	ug/kg	59.7	5.9	U	5.8	U	11	U	6.2	U
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220	210	U	220	U	330	U	220	U
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830	210	U	220	U	330	U	220	U
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819	210	U	220	U	330	U	220	U
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650	210	U	220	U	330	U	220	U
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117	210	U	220	U	330	U	220	U
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29	210	U	220	U	330	U	220	U
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200	410	U	420	U	630	U	440	U
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6	210	U	220	U	330	U	220	U
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120	210	U	220	U	330	U	220	U
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000	210	U	220	U	330	U	220	U
95-57-8	2-Chlorophenol	E625	ug/kg	344	210	U	220	U	330	U	220	U
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2	210	U	220	U	11	J	220	U
95-48-7	2-Methylphenol	E625	ug/kg	306000	210	U	220	U	330	U	220	U
88-74-4	2-Nitroaniline	E625	ug/kg	60600	410	U	420	U	630	U	440	U

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Data Gap Technical Memorandum
Sample Results - Organics

				sys_loc_code:	C68		C104		C23		C55	
				loc_name:	Area-08		Area-11		Area-11		Area-11	
				sys_sample_code:	C68 0-6		C104 0-6		C23 0-6		C55 0-6	
				sample_date:	07/10/2009		07/27/2009		07/09/2009		07/13/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
88-75-5	2-Nitrophenol	E625	ug/kg	N/A	210	U	220	U	330	U	220	U
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080	210	U	220	U	330	U	220	U
99-09-2	3-Nitroaniline	E625	ug/kg	N/A	410	U	420	U	630	U	440	U
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611	410	U	420	U	630	U	440	U
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230	210	U	220	U	330	U	220	U
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000	210	U	220	U	330	U	220	U
106-47-8	4-Chloroaniline	E625	ug/kg	2430	210	U	220	U	330	U	220	U
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	N/A	210	U	220	U	330	U	220	U
106-44-5	4-Methylphenol	E625	ug/kg	670	210	U	220	U	38	J	220	U
100-01-6	4-Nitroaniline	E625	ug/kg	24300	410	U	420	U	630	U	440	U
100-02-7	4-Nitrophenol	E625	ug/kg	N/A	410	U	420	U	630	U	440	U
83-32-9	Acenaphthene	E625	ug/kg	6.71	210	U	220	U	330	U	220	U
208-96-8	Acenaphthylene	E625	ug/kg	5.87	210	U	220	U	330	U	220	U
98-86-2	Acetophenone	E625	ug/kg	782000	24	J	42	J	37	J	39	J
120-12-7	Anthracene	E625	ug/kg	46.9	210	U	220	U	18	J	7.7	J
1912-24-9	Atrazine	E625	ug/kg	6.62	210	U	220	U	330	U	220	U
100-52-7	Benzaldehyde	E625	ug/kg	782000	43	J	38	J	44	J	93	J
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8	210	U	220	U	49	J	31	J
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8	210	U	220	U	61	J	38	J
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148	210	U	220	U	63	J	51	J
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170	210	U	220	U	33	J	40	J
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240	210	U	220	U	16	J	26	J
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300	210	U	220	U	330	U	220	U
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214	210	U	220	U	330	U	220	U
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182	23	J	19	J	23	J	58	J
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570	210	U	220	U	330	U	220	U
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800	210	U	220	U	330	U	220	U
105-60-2	Caprolactam	E625	ug/kg	3060000	210	U	220	U	330	U	220	U
86-74-8	Carbazole	E625	ug/kg	N/A	210	U	220	U	330	U	220	U
58-90-2	Chlorophenols	E625	ug/kg	284	210	U	220	U	330	U	220	U
218-01-9	Chrysene	E625	ug/kg	108	210	U	220	U	45	J	33	J
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22	210	U	220	U	330	U	9.5	J
132-64-9	Dibenzofuran	E625	ug/kg	7300	210	U	220	U	330	U	220	U
84-66-2	Diethylphthalate	E625	ug/kg	218	6.7	J	220	U	330	U	12	J

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Data Gap Technical Memorandum
Sample Results - Organics

				sys_loc_code:	C68		C104		C23		C55	
				loc_name:	Area-08		Area-11		Area-11		Area-11	
				sys_sample_code:	C68 0-6		C104 0-6		C23 0-6		C55 0-6	
				sample_date:	07/10/2009		07/27/2009		07/09/2009		07/13/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
131-11-3	Dimethylphthalate	E625	ug/kg	N/A	210	U	220	U	330	U	220	U
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160	9	J	220	U	11	J	10	J
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	N/A	210	U	220	U	330	U	220	U
206-44-0	Fluoranthene	E625	ug/kg	113	210	U	220	U	67	J	70	J
86-73-7	Fluorene	E625	ug/kg	19	210	U	220	U	330	U	220	U
118-74-1	Hexachlorobenzene	E625	ug/kg	20	210	U	220	U	330	U	220	U
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110	210	U	220	U	330	U	220	U
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139	210	U	220	U	330	U	220	U
67-72-1	Hexachloroethane	E625	ug/kg	804	210	U	220	U	330	U	220	U
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17	210	U	220	U	32	J	39	J
78-59-1	Isophorone	E625	ug/kg	511000	210	U	220	U	330	U	220	U
91-20-3	Naphthalene	E625	ug/kg	34.6	210	U	220	U	33	J	11	J
98-95-3	Nitrobenzene	E625	ug/kg	4790	210	U	220	U	330	U	220	U
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4	210	U	220	U	330	U	220	U
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100	210	U	220	U	330	U	220	U
87-86-5	Pentachlorophenol	E625	ug/kg	2970	410	U	420	U	630	U	440	U
85-01-8	Phenanthrene	E625	ug/kg	86.7	210	U	220	U	33	J	34	J
108-95-2	Phenol	E625	ug/kg	420	15	J	47	J	36	J	41	J
129-00-0	Pyrene	E625	ug/kg	153	210	U	220	U	73	J	50	J
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6	2.1	U	0.24	J	3.3	U	2.2	UJ
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357	4.1	U	4.2	U	6.3	U	4.4	U
309-00-2	Aldrin	CPEST	ug/kg	2	2.1	U	2.2	U	3.3	U	2.2	U
319-84-6	Alpha-Bhc	CPEST	ug/kg	3	2.1	U	2.2	U	3.3	U	2.2	UJ
319-85-7	Beta-Bhc	CPEST	ug/kg	3	2.1	U	2.2	U	3.3	U	2.2	UJ
319-86-8	Delta-Bhc	CPEST	ug/kg	3	2.1	U	2.2	U	3.3	U	2.2	U
33213-65-9	Endosulfan II	CPEST	ug/kg	14	4.1	U	4.2	U	0.24	J	4.4	UJ
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19	4.1	UJ	4.2	U	6.3	UJ	1.6	J
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7	2.1	U	2.2	U	3.3	U	2.2	U
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7	2.1	U	2.2	U	3.3	U	2.2	UJ
53494-70-5	Endrin Ketone	CPEST	ug/kg	N/A	4.1	U	4.2	U	6.3	U	0.068	J
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32	2.1	U	2.2	U	3.3	U	2.2	UJ
60-57-1	Dieldrin	CPEST	ug/kg	0.72	4.1	U	4.2	U	6.3	U	4.4	U
72-20-8	Endrin	CPEST	ug/kg	2.67	4.1	U	4.2	U	6.3	U	4.4	U
72-43-5	Methoxychlor	CPEST	ug/kg	29.6	21	U	22	U	33	U	22	U

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Data Gap Technical Memorandum
Sample Results - Organics

				sys_loc_code:	C68		C104		C23		C55	
				loc_name:	Area-08		Area-11		Area-11		Area-11	
				sys_sample_code:	C68 0-6		C104 0-6		C23 0-6		C55 0-6	
				sample_date:	07/10/2009		07/27/2009		07/09/2009		07/13/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED								
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22	4.1	U	4.2	U	6.3	U	4.4	UJ
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07	4.1	U	0.13	J	6.3	U	4.4	U
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	N/A	4.1	U	4.2	U	6.3	U	4.4	UJ
76-44-8	Heptachlor	CPEST	ug/kg	68	2.1	U	2.2	U	3.3	U	2.2	U
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1	210	U	220	U	330	U	220	U
959-98-8	Endosulfan I	CPEST	ug/kg	2.9	2.1	U	2.2	U	3.3	U	2.2	U
11096-82-5	Aroclor 1260	E608	ug/kg	21.6	41	U	42	U	63	U	44	U
11097-69-1	Aroclor 1254	E608	ug/kg	23	41	U	42	U	63	U	44	UJ
11100-14-4	Aroclor 1268	E608	ug/kg	21.6	41	U	42	U	63	U	44	U
11104-28-2	Aroclor 1221	E608	ug/kg	21.6	41	U	42	U	63	U	44	U
11141-16-5	Aroclor 1232	E608	ug/kg	21.6	41	U	42	U	63	U	44	U
12672-29-6	Aroclor 1248	E608	ug/kg	21.6	41	U	42	U	63	U	44	U
12674-11-2	Aroclor 1016	E608	ug/kg	21.6	41	U	42	U	63	U	44	U
37324-23-5	Aroclor 1262	E608	ug/kg	21.6	41	U	42	U	63	U	44	U
53469-21-9	Aroclor 1242	E608	ug/kg	21.6	41	U	42	U	63	U	44	U

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Raritan Bay Slag Superfund Site
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Data Gap Technical Memorandum
Sample Results - Organics

				sys_loc_code:	C71		C91		C94	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C71 0-6		C91 0-6		C94 0-6	
				sample_date:	07/10/2009		07/10/2009		07/27/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
71-55-6	1,1,1-Trichloroethane	E624	ug/kg	856	6.7	U	6.1	U	6.1	U
79-34-5	1,1,2,2-Tetrachloroethane	E624	ug/kg	202	6.7	U	6.1	U	6.1	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	E624	ug/kg	910000	6.7	U	6.1	U	6.1	U
79-00-5	1,1,2-Trichloroethane	E624	ug/kg	570	6.7	U	6.1	U	6.1	U
75-34-3	1,1-Dichloroethane	E624	ug/kg	3310	6.7	U	6.1	U	6.1	U
75-35-4	1,1-Dichloroethene	E624	ug/kg	2780	6.7	U	6.1	U	6.1	U
87-61-6	1,2,3-Trichlorobenzene	E624	ug/kg	858	6.7	U	6.1	U	6.1	U
120-82-1	1,2,4-Trichlorobenzene	E624	ug/kg	473	6.7	U	6.1	U	6.1	U
96-12-8	1,2-Dibromo-3-chloropropane	E624	ug/kg	5.35	6.7	U	6.1	U	6.1	U
106-93-4	1,2-Dibromoethane	E624	ug/kg	33.7	6.7	U	6.1	U	6.1	U
95-50-1	1,2-Dichlorobenzene	E624	ug/kg	989	6.7	U	6.1	U	6.1	U
107-06-2	1,2-Dichloroethane	E624	ug/kg	432	6.7	U	6.1	U	6.1	U
78-87-5	1,2-Dichloropropane	E624	ug/kg	895	6.7	U	6.1	U	6.1	U
541-73-1	1,3-Dichlorobenzene	E624	ug/kg	842	6.7	U	6.1	U	6.1	U
106-46-7	1,4-Dichlorobenzene	E624	ug/kg	460	6.7	U	6.1	U	6.1	U
123-91-1	1,4-Dioxane	E624	ug/kg	44100	130	R	120	R	120	R
78-93-3	2-Butanone	E624	ug/kg	2780000	12	J	12	U	12	U
591-78-6	2-Hexanone	E624	ug/kg	20900	13	U	12	U	12	U
108-10-1	4-Methyl-2-Pentanone	E624	ug/kg	532000	13	U	12	U	12	U
67-64-1	Acetone	E624	ug/kg	6130000	13	U	12	U	6.9	J
71-43-2	Benzene	E624	ug/kg	137	6.7	U	6.1	U	6.1	U
74-97-5	Bromochloromethane	E624	ug/kg	N/A	6.7	U	6.1	U	6.1	U
75-27-4	Bromodichloromethane	E624	ug/kg	273	6.7	U	6.1	U	6.1	U
75-25-2	Bromoform	E624	ug/kg	1310	6.7	U	6.1	U	6.1	U
74-83-9	Bromomethane	E624	ug/kg	732	6.7	U	6.1	U	6.1	U
75-15-0	Carbon Disulfide	E624	ug/kg	0.851	2.2	J	2.1	J	1.4	J
56-23-5	Carbon tetrachloride	E624	ug/kg	248	6.7	U	6.1	U	6.1	U
108-90-7	Chlorobenzene	E624	ug/kg	162	6.7	U	6.1	U	6.1	U
75-00-3	Chloroethane	E624	ug/kg	1450000	6.7	U	6.1	U	6.1	U
67-66-3	Chloroform	E624	ug/kg	295	6.7	U	6.1	U	6.1	U
74-87-3	Chloromethane	E624	ug/kg	11900	6.7	U	6.1	U	6.1	U
156-59-2	cis-1,2-Dichloroethene	E624	ug/kg	78200	6.7	U	6.1	U	6.1	U

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Data Gap Technical Memorandum
Sample Results - Organics

				sys_loc_code:	C71		C91		C94	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C71 0-6		C91 0-6		C94 0-6	
				sample_date:	07/10/2009		07/10/2009		07/27/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
10061-01-5	cis-1,3-Dichloropropene	E624	ug/kg	N/A	6.7	U	6.1	U	6.1	U
110-82-7	Cyclohexane	E624	ug/kg	117000	6.7	U	6.1	U	6.1	U
124-48-1	Dibromochloromethane	E624	ug/kg	680	6.7	U	6.1	U	6.1	U
75-71-8	Dichlorodifluoromethane	E624	ug/kg	18400	6.7	U	6.1	U	6.1	U
100-41-4	Ethylbenzene	E624	ug/kg	305	6.7	U	6.1	U	6.1	U
98-82-8	Isopropylbenzene	E624	ug/kg	86	6.7	U	6.1	U	6.1	U
179601-23-1	m,p-Xylene	E624	ug/kg	N/A	6.7	U	6.1	U	6.1	U
79-20-9	Methyl Acetate	E624	ug/kg	7820000	6.7	U	6.1	U	6.1	U
1634-04-4	Methyl tert-Butyl Ether	E624	ug/kg	43300	6.7	U	1.3	J	6.1	U
108-87-2	Methylcyclohexane	E624	ug/kg	N/A	6.7	U	6.1	U	6.1	U
75-09-2	Methylene chloride	E624	ug/kg	10700	6.7	U	6.1	U	6.1	U
95-47-6	o-Xylene	E624	ug/kg	N/A	6.7	U	6.1	U	6.1	U
100-42-5	Styrene	E624	ug/kg	7070	6.7	U	6.1	U	6.1	U
127-18-4	Tetrachloroethene	E624	ug/kg	190	6.7	U	6.1	U	6.1	U
108-88-3	Toluene	E624	ug/kg	1090	6.7	U	6.1	U	6.1	U
156-60-5	trans-1,2-Dichloroethene	E624	ug/kg	15300	6.7	U	6.1	U	6.1	U
10061-02-6	trans-1,3-Dichloropropene	E624	ug/kg	N/A	6.7	U	6.1	U	6.1	U
79-01-6	Trichloroethene	E624	ug/kg	1600	6.7	U	6.1	U	6.1	U
75-69-4	Trichlorofluoromethane	E624	ug/kg	78700	6.7	U	6.1	U	6.1	U
75-01-4	Vinyl Chloride	E624	ug/kg	59.7	6.7	U	6.1	U	6.1	U
92-52-4	1,1'-Biphenyl	E625	ug/kg	1220	210	U	230	U	220	U
95-94-3	1,2,4,5-Tetrachlorobenzene	E625	ug/kg	1830	210	U	230	U	220	U
95-95-4	2,4,5-Trichlorophenol	E625	ug/kg	819	210	U	230	U	220	U
88-06-2	2,4,6-Trichlorophenol	E625	ug/kg	2650	210	U	230	U	220	U
120-83-2	2,4-Dichlorophenol	E625	ug/kg	117	210	U	230	U	220	U
105-67-9	2,4-Dimethylphenol	E625	ug/kg	29	210	U	230	U	220	U
51-28-5	2,4-Dinitrophenol	E625	ug/kg	12200	410	U	440	U	420	U
121-14-2	2,4-Dinitrotoluene	E625	ug/kg	41.6	210	U	230	U	220	U
606-20-2	2,6-Dinitrotoluene	E625	ug/kg	6120	210	U	230	U	220	U
91-58-7	2-Chloronaphthalene	E625	ug/kg	175000	210	U	230	U	220	U
95-57-8	2-Chlorophenol	E625	ug/kg	344	210	U	230	U	220	U
91-57-6	2-Methylnaphthalene	E625	ug/kg	20.2	21	J	36	J	220	U
95-48-7	2-Methylphenol	E625	ug/kg	306000	210	U	230	U	220	U
88-74-4	2-Nitroaniline	E625	ug/kg	60600	410	U	440	U	420	U

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Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Sample Results - Organics

				sys_loc_code:	C71		C91		C94	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C71 0-6		C91 0-6		C94 0-6	
				sample_date:	07/10/2009		07/10/2009		07/27/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
88-75-5	2-Nitrophenol	E625	ug/kg	N/A	210	U	230	U	220	U
91-94-1	3,3`-Dichlorobenzidine	E625	ug/kg	1080	210	U	230	U	220	U
99-09-2	3-Nitroaniline	E625	ug/kg	N/A	410	U	440	U	420	U
534-52-1	4,6-Dinitro-2-Methylphenol	E625	ug/kg	611	410	U	440	U	420	U
101-55-3	4-Bromophenyl Phenyl Ether	E625	ug/kg	1230	210	U	230	U	220	U
59-50-7	4-Chloro-3-Methylphenol	E625	ug/kg	611000	210	U	230	U	220	U
106-47-8	4-Chloroaniline	E625	ug/kg	2430	210	U	230	U	220	U
7005-72-3	4-Chlorophenyl Phenylether	E625	ug/kg	N/A	210	U	230	U	220	U
106-44-5	4-Methylphenol	E625	ug/kg	670	18	J	22	J	220	U
100-01-6	4-Nitroaniline	E625	ug/kg	24300	410	U	440	U	420	U
100-02-7	4-Nitrophenol	E625	ug/kg	N/A	410	U	440	U	420	U
83-32-9	Acenaphthene	E625	ug/kg	6.71	210	U	23	J	220	U
208-96-8	Acenaphthylene	E625	ug/kg	5.87	10	J	11	J	220	U
98-86-2	Acetophenone	E625	ug/kg	782000	21	J	29	J	32	J
120-12-7	Anthracene	E625	ug/kg	46.9	30	J	75	J	220	U
1912-24-9	Atrazine	E625	ug/kg	6.62	210	U	230	U	220	U
100-52-7	Benzaldehyde	E625	ug/kg	782000	27	J	27	J	54	J
56-55-3	Benzo(a)anthracene	E625	ug/kg	74.8	200	J	520		220	U
50-32-8	Benzo(a)pyrene	E625	ug/kg	14.8	180	J	400		220	U
205-99-2	Benzo(b)fluoranthene	E625	ug/kg	148	240		490		220	U
191-24-2	Benzo(g,h,i)perylene	E625	ug/kg	170	120	J	270		220	U
207-08-9	Benzo(k)fluoranthene	E625	ug/kg	240	88	J	160	J	220	U
111-91-1	Bis(2-Chloroethoxy) methane	E625	ug/kg	18300	210	U	230	U	220	U
111-44-4	Bis(2-Chloroethyl) ether	E625	ug/kg	214	210	U	230	U	220	U
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	ug/kg	182	760		160	J	16	J
108-60-1	Bis-Chloroisopropyl ether	E625	ug/kg	4570	210	U	230	U	220	U
85-68-7	Butylbenzylphthalate	E625	ug/kg	16800	29	J	230	U	220	U
105-60-2	Caprolactam	E625	ug/kg	3060000	210	U	230	U	220	U
86-74-8	Carbazole	E625	ug/kg	N/A	7.8	J	38	J	220	U
58-90-2	Chlorophenols	E625	ug/kg	284	210	U	230	U	220	U
218-01-9	Chrysene	E625	ug/kg	108	180	J	520		220	U
53-70-3	Dibenzo(a,h)anthracene	E625	ug/kg	6.22	27	J	71	J	220	U
132-64-9	Dibenzofuran	E625	ug/kg	7300	7.5	J	17	J	220	U
84-66-2	Diethylphthalate	E625	ug/kg	218	10	J	12	J	220	U

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Raritan Bay Slag Superfund Site
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Data Gap Technical Memorandum
Sample Results - Organics

				sys_loc_code:	C71		C91		C94	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C71 0-6		C91 0-6		C94 0-6	
				sample_date:	07/10/2009		07/10/2009		07/27/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
131-11-3	Dimethylphthalate	E625	ug/kg	N/A	210	U	230	U	220	U
84-74-2	Di-N-Butylphthalate	E625	ug/kg	1160	30	J	28	J	220	U
117-84-0	Di-N-Octyl Phthalate	E625	ug/kg	N/A	100	J	230	U	220	U
206-44-0	Fluoranthene	E625	ug/kg	113	370		710		220	U
86-73-7	Fluorene	E625	ug/kg	19	10	J	37	J	220	U
118-74-1	Hexachlorobenzene	E625	ug/kg	20	210	U	230	U	220	U
87-68-3	Hexachlorobutadiene	E625	ug/kg	6110	210	U	230	U	220	U
77-47-4	Hexachlorocyclopentadiene	E625	ug/kg	139	210	U	230	U	220	U
67-72-1	Hexachloroethane	E625	ug/kg	804	210	U	230	U	220	U
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	ug/kg	17	140	J	230		220	U
78-59-1	Isophorone	E625	ug/kg	511000	210	U	230	U	220	U
91-20-3	Naphthalene	E625	ug/kg	34.6	21	J	37	J	220	U
98-95-3	Nitrobenzene	E625	ug/kg	4790	210	U	230	U	220	U
621-64-7	N-Nitroso-Di-N-Propylamine	E625	ug/kg	69.4	210	U	230	U	220	U
86-30-6	N-Nitrosodiphenylamine	E625	ug/kg	99100	210	U	230	U	220	U
87-86-5	Pentachlorophenol	E625	ug/kg	2970	410	U	440	U	420	U
85-01-8	Phenanthrene	E625	ug/kg	86.7	180	J	450		220	U
108-95-2	Phenol	E625	ug/kg	420	31	J	19	J	26	J
129-00-0	Pyrene	E625	ug/kg	153	350		710		220	U
1024-57-3	Heptachlor Epoxide	CPEST	ug/kg	0.6	2.1	U	2.3	U	0.77	J
1031-07-8	Endosulfan Sulfate	CPEST	ug/kg	0.357	4.1	U	4.4	U	4.2	U
309-00-2	Aldrin	CPEST	ug/kg	2	2.1	U	2.3	U	2.2	U
319-84-6	Alpha-Bhc	CPEST	ug/kg	3	2.1	U	2.3	U	2.2	U
319-85-7	Beta-Bhc	CPEST	ug/kg	3	2.1	U	2.3	U	0.098	J
319-86-8	Delta-Bhc	CPEST	ug/kg	3	2.1	U	2.3	U	2.2	U
33213-65-9	Endosulfan II	CPEST	ug/kg	14	4.1	U	4.4	U	4.2	U
50-29-3	4,4'-DDT	CPEST	ug/kg	1.19	13	J	7.6	J	4.2	U
5103-71-9	Alpha-Chlordane	CPEST	ug/kg	7	2.1	U	2.3	U	2.2	U
5103-74-2	Gamma-Chlordane	CPEST	ug/kg	7	2.1	U	2.3	U	2.2	U
53494-70-5	Endrin Ketone	CPEST	ug/kg	N/A	4.1	U	4.4	U	4.2	U
58-89-9	Gamma-Bhc (Lindane)	CPEST	ug/kg	0.32	2.1	U	2.3	U	2.2	U
60-57-1	Dieldrin	CPEST	ug/kg	0.72	4.1	U	4.4	U	4.2	U
72-20-8	Endrin	CPEST	ug/kg	2.67	1.6	J	4.4	U	4.2	U
72-43-5	Methoxychlor	CPEST	ug/kg	29.6	21	U	23	U	22	U

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Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Sample Results - Organics

				sys_loc_code:	C71		C91		C94	
				loc_name:	Area-11		Area-11		Area-11	
				sys_sample_code:	C71 0-6		C91 0-6		C94 0-6	
				sample_date:	07/10/2009		07/10/2009		07/27/2009	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-SED						
72-54-8	4,4'-DDD	CPEST	ug/kg	1.22	4.1	U	5.6	R	4.2	U
72-55-9	4,4'-DDE	CPEST	ug/kg	2.07	5.1		3.9	J	0.13	J
7421-93-4	Endrin Aldehyde	CPEST	ug/kg	N/A	4.1	U	4.4	U	4.2	U
76-44-8	Heptachlor	CPEST	ug/kg	68	0.38	J	2.3	U	2.2	U
8001-35-2	Chlorinated Camphene	CPEST	ug/kg	0.1	210	U	230	U	220	U
959-98-8	Endosulfan I	CPEST	ug/kg	2.9	2.1	U	2.3	U	2.2	U
11096-82-5	Aroclor 1260	E608	ug/kg	21.6	41	U	44	U	42	U
11097-69-1	Aroclor 1254	E608	ug/kg	23	140	J	87	JN	42	U
11100-14-4	Aroclor 1268	E608	ug/kg	21.6	41	U	44	U	42	U
11104-28-2	Aroclor 1221	E608	ug/kg	21.6	41	U	44	U	42	U
11141-16-5	Aroclor 1232	E608	ug/kg	21.6	41	U	44	U	42	U
12672-29-6	Aroclor 1248	E608	ug/kg	21.6	41	U	44	U	42	U
12674-11-2	Aroclor 1016	E608	ug/kg	21.6	41	U	44	U	42	U
37324-23-5	Aroclor 1262	E608	ug/kg	21.6	41	U	44	U	42	U
53469-21-9	Aroclor 1242	E608	ug/kg	21.6	41	U	44	U	42	U

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Soil Sample Results - Organics

Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Soil Sample Results - Organics

				sys_loc_code:	OBMUA-SB-1A		OBMUA-SB-1B		OBMUA-SB-1B		OBMUA-SB-2B	
				loc_name:	Area-09		Area-09		Area-09		Area-09	
				sys_sample_code:	SB-1A 2.5-3.0		SB-1B 0.0-0.5		SB-1B 1.5-2.0		SB-2B 3.0-3.5	
				sample_date:	05/11/2007		05/11/2007		05/11/2007		05/11/2007	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-Soil								
95-50-1	1,2-Dichlorobenzene	E625	mg/kg	2.96	0.41	U	0.36	U	0.37	U	0.39	U
56-55-3	Benzo(a)anthracene	E625	mg/kg	0.148	0.41	U	0.36	U	0.37	U	0.39	U
50-32-8	Benzo(a)pyrene	E625	mg/kg	0.0148	0.41	U	0.36	U	0.37	U	0.39	U
205-99-2	Benzo(b)fluoranthene	E625	mg/kg	0.148	0.41	U	0.36	U	0.37	U	0.39	U
191-24-2	Benzo(g,h,i)perylene	E625	mg/kg	1.1	0.41	U	0.36	U	0.37	U	0.39	U
207-08-9	Benzo(k)fluoranthene	E625	mg/kg	1.48	0.41	U	0.36	U	0.37	U	0.39	U
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	mg/kg	0.925	0.41	U	2.1		0.37	U	0.39	U
218-01-9	Chrysene	E625	mg/kg	1.1	0.41	U	0.36	U	0.37	U	0.39	U
53-70-3	Dibenzo(a,h)anthracene	E625	mg/kg	0.0148	0.41	U	0.36	U	0.37	U	0.39	U
84-74-2	Di-N-Butylphthalate	E625	mg/kg	0.15	0.41	U	0.36	U	0.37	U	0.39	U
206-44-0	Fluoranthene	E625	mg/kg	1.1	0.41	U	0.36	U	0.37	U	0.39	U
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	mg/kg	0.148	0.41	U	0.36	U	0.37	U	0.39	U
91-20-3	Naphthalene	E625	mg/kg	0.0994	0.41	U	0.36	U	0.37	U	0.39	U
85-01-8	Phenanthrene	E625	mg/kg	29	0.41	U	0.36	U	0.37	U	0.39	U
129-00-0	Pyrene	E625	mg/kg	1.1	0.41	U	0.36	U	0.37	U	0.39	U
50-29-3	4,4'-DDT	CPEST	mg/kg	0.0035	0.003	U			0.0028	U	0.0029	U

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Raritan Bay Slag Superfund Site
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Data Gap Technical Memorandum
Soil Sample Results - Organics

				sys_loc_code:	OBMUA-SB-2C		OBMUA-SB-2C		OBMUA-SB-3B		OBMUA-SB-3B	
				loc_name:	Area-09		Area-09		Area-09		Area-09	
				sys_sample_code:	SB-2C 0.0-0.5		SB-2C 6.0-6.5		SB-3B 0.0-0.5		SB-3B 3.0-3.5	
				sample_date:	05/11/2007		05/11/2007		05/14/2007		05/11/2007	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-Soil								
95-50-1	1,2-Dichlorobenzene	E625	mg/kg	2.96	0.41	U	0.41	U	0.42	U	0.39	U
56-55-3	Benzo(a)anthracene	E625	mg/kg	0.148	0.41	U	0.41	U	0.42	U	0.39	U
50-32-8	Benzo(a)pyrene	E625	mg/kg	0.0148	0.41	U	0.41	U	0.42	U	0.39	U
205-99-2	Benzo(b)fluoranthene	E625	mg/kg	0.148	0.41	U	0.41	U	0.42	U	0.39	U
191-24-2	Benzo(g,h,i)perylene	E625	mg/kg	1.1	0.41	U	0.41	U	0.42	U	0.39	U
207-08-9	Benzo(k)fluoranthene	E625	mg/kg	1.48	0.41	U	0.41	U	0.42	U	0.39	U
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	mg/kg	0.925	0.41	U	0.41	U	0.049	J	0.39	U
218-01-9	Chrysene	E625	mg/kg	1.1	0.41	U	0.41	U	0.42	U	0.39	U
53-70-3	Dibenzo(a,h)anthracene	E625	mg/kg	0.0148	0.41	U	0.41	U	0.42	U	0.39	U
84-74-2	Di-N-Butylphthalate	E625	mg/kg	0.15	0.41	U	0.41	U	0.42	U	0.39	U
206-44-0	Fluoranthene	E625	mg/kg	1.1	0.41	U	0.41	U	0.42	U	0.39	U
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	mg/kg	0.148	0.41	U	0.41	U	0.42	U	0.39	U
91-20-3	Naphthalene	E625	mg/kg	0.0994	0.41	U	0.41	U	0.42	U	0.39	U
85-01-8	Phenanthrene	E625	mg/kg	29	0.41	U	0.41	U	0.42	U	0.39	U
129-00-0	Pyrene	E625	mg/kg	1.1	0.41	U	0.41	U	0.42	U	0.39	U
50-29-3	4,4'-DDT	CPEST	mg/kg	0.0035			0.003	U			0.0029	U

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Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Soil Sample Results - Organics

				sys_loc_code:	OBMUA-SB-4B		OBMUA-SB-4C		OBMUA-SB-5B		OBMUA-SB-5C	
				loc_name:	Area-09		Area-09		Area-09		Area-09	
				sys_sample_code:	SB-4B 0.0-0.5		SB-4C 8.5-9.0		SB-5B 0.0-0.5		SB-5C 7.0-7.5	
				sample_date:	05/14/2007		05/14/2007		05/14/2007		05/14/2007	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-Soil								
95-50-1	1,2-Dichlorobenzene	E625	mg/kg	2.96	0.046	J	0.46	U	0.39	U	0.39	U
56-55-3	Benzo(a)anthracene	E625	mg/kg	0.148	0.18	J	0.46	U	0.049	J	0.39	U
50-32-8	Benzo(a)pyrene	E625	mg/kg	0.0148	0.25	J	0.46	U	0.064	J	0.39	U
205-99-2	Benzo(b)fluoranthene	E625	mg/kg	0.148	0.25	J	0.46	U	0.053	J	0.39	U
191-24-2	Benzo(g,h,i)perylene	E625	mg/kg	1.1	0.23	J	0.46	U	0.064	J	0.39	U
207-08-9	Benzo(k)fluoranthene	E625	mg/kg	1.48	0.16	J	0.46	U	0.056	J	0.39	U
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	mg/kg	0.925	0.11	J	0.46	U	0.082	J	0.046	J
218-01-9	Chrysene	E625	mg/kg	1.1	0.28	J	0.46	U	0.06	J	0.39	U
53-70-3	Dibenzo(a,h)anthracene	E625	mg/kg	0.0148	0.068	J	0.46	U	0.39	U	0.39	U
84-74-2	Di-N-Butylphthalate	E625	mg/kg	0.15	0.057	J	0.46	U	0.39	U	0.39	U
206-44-0	Fluoranthene	E625	mg/kg	1.1	0.11	J	0.46	U	0.047	J	0.39	U
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	mg/kg	0.148	0.17	J	0.46	U	0.053	J	0.39	U
91-20-3	Naphthalene	E625	mg/kg	0.0994	0.056	J	0.46	U	0.39	U	0.39	U
85-01-8	Phenanthrene	E625	mg/kg	29	0.12	J	0.46	U	0.39	U	0.39	U
129-00-0	Pyrene	E625	mg/kg	1.1	0.19	J	0.46	U	0.067	J	0.39	U
50-29-3	4,4'-DDT	CPEST	mg/kg	0.0035			0.034	U			0.0049	D

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Raritan Bay Slag Superfund Site
Remedial Investigation/Feasibility Study
Data Gap Technical Memorandum
Soil Sample Results - Organics

				sys_loc_code:	OBMUA-SB-6A		OBMUA-SB-6C	
				loc_name:	Area-09		Area-09	
				sys_sample_code:	SB-6A 5.5-6.0		SB-6C 0.0-0.5	
				sample_date:	05/14/2007		05/14/2007	
cas_rn	chemical_name	analytic_method	result_unit	Raritan-Soil				
95-50-1	1,2-Dichlorobenzene	E625	mg/kg	2.96	0.36	U	0.38	U
56-55-3	Benzo(a)anthracene	E625	mg/kg	0.148	0.065	J	0.04	J
50-32-8	Benzo(a)pyrene	E625	mg/kg	0.0148	0.047	J	0.38	U
205-99-2	Benzo(b)fluoranthene	E625	mg/kg	0.148	0.075	J	0.073	J
191-24-2	Benzo(g,h,i)perylene	E625	mg/kg	1.1	0.36	U	0.38	U
207-08-9	Benzo(k)fluoranthene	E625	mg/kg	1.48	0.36	U	0.38	U
117-81-7	Bis(2-Ethylhexyl) phthalate	E625	mg/kg	0.925	0.36	U	0.064	J
218-01-9	Chrysene	E625	mg/kg	1.1	0.052	J	0.048	J
53-70-3	Dibenzo(a,h)anthracene	E625	mg/kg	0.0148	0.36	U	0.38	U
84-74-2	Di-N-Butylphthalate	E625	mg/kg	0.15	0.36	U	0.38	U
206-44-0	Fluoranthene	E625	mg/kg	1.1	0.09	J	0.056	J
193-39-5	Indeno(1,2,3-Cd)Pyrene	E625	mg/kg	0.148	0.36	U	0.38	U
91-20-3	Naphthalene	E625	mg/kg	0.0994	0.36	U	0.38	U
85-01-8	Phenanthrene	E625	mg/kg	29	0.041	J	0.38	U
129-00-0	Pyrene	E625	mg/kg	1.1	0.087	J	0.066	J
50-29-3	4,4'-DDT	CPEST	mg/kg	0.0035	0.0027	U		

R2-0001987

Appendix B

NJDEP March 2007 Sampling Results

April 2007 Site Investigation Report (NJDEP)

SITE INVESTIGATION REPORT
FOR
OLD BRIDGE TOWNSHIP – MARGARETS CREEK PROPERTY
OLD BRIDGE TOWNSHIP, MIDDLESEX COUNTY
April 20, 2007

1. Preliminary assessment. Review of available environmental records was completed. The property, Block 1, lot 54.11, located on Route 35, is not listed in the State's Known Contaminated Sites or Solid Waste Disposal Area databases. The local health department, Middlesex County Department of Public Health, had no records on the property. Old Bridge Township – the site's owner- has no knowledge of the nature of the fill material.

Fig. 1 Site Location

1.1 Review of historic aerial photography revealed the subject to be, in 1930, tidal marsh – with a road traversing southwest –northeast from Route 35 to a cluster of structures on Raritan Bay. In 1974 the filling of a ± 20 acre portion of the site is apparent.

Fig. 2 1930

R2-0001990

Fig. 3 1974 (Showing land filling)

1.2 On December 13, 2006, a limited site investigation was completed to visually characterize fill material via excavation of test pits. Using a skid steer backhoe, representatives of the New Jersey Geological Survey completed 11 test pits biased (using historic aerial photography) to the thickest deposits of fill or based upon evidence of surficial waste materials. Test pits were excavated to native material. Only minor amounts of non-soil materials were encountered and in only one of 11 locations.

Waste materials were evident in numerous locations across the surface of the filled area, several of which included large quantities of what appeared to be shredded automotive battery casings, brick – including apparent refractory brick – and slag, suggesting possible disposal of industrial wastes (see Figures 4 & 5).

Fig. 4 Main access road, showing crushed car battery casings.

Fig. 5 Area of slag, refractory brick & miscellaneous solid waste.

2. Site Investigation.

2.1 Field work. On March 4, 2007, representatives of the Bureau of Environmental Measurements & Site Assessment collected 16 soil samples, biased to areas with accumulations of shredded battery casings and in areas devoid of vegetation in which refractory brick, slag and other waste materials were evident. Samples L-1 through L-13 were collected in areas of accumulated battery casings, for lead analyses. Samples S-1 through S-4 were collected in areas devoid of vegetation in which refractory brick, slag and other waste materials were evident, for the complete Target Analyte List/Target Compound List analyses. The lead and TAL samples were collected in the 0-6" interval beneath waste materials. The TCL samples were collected at 6-12" bgs. Samples for volatile organic compound analyses were collected using Encore coring devices from within the boring.

2.2 Results. Lead was detected in all lead-only sample locations (L-1 though L-13) and at one TCL/TAL location (S-1) at concentrations above the non-restricted future use and restricted future use Soil Cleanup Criteria (400 ppm/600 ppm) with a concentration range of 701 ppm to 146,000 ppm, with an average concentration of 50,482 ppm (See Figure 6.)

Fig. 6 Sample location map.

2.3 Discussion: The detected concentrations of lead significantly exceed the Department's human health-based Soil Cleanup Criteria. Ample visual evidence of human use of the site was observed during the site investigation, including footprints, bike/ATV tracks, campsites and promiscuous dumping.

In addition, the site is situated adjacent to sensitive environmental receptors – the wetlands and open water of the Margarets Creek and Raritan Bay. The site is mapped in the Department's Geographic Information System as "Critical Emergent Wetland" and as foraging habitat for a State-threatened species: the Black-Crowned Night Heron. The proximity of the contaminated areas to wetlands and open water suggests the possibility that contamination may be or may have migrated to these receptors via overland flow in surface runoff or via groundwater.

Given the sample results and potential receptors/exposures, this information was reported to the Department's Environmental Hotline and was assigned case # 07-04-18-1110-28.

3. Recommendation. It is recommended that Green Acres not purchase this property. Old Bridge Township should be advised of the results of the site investigation and be urged to enter a Memorandum of Agreement with the Site Remediation & Waste Management Program to address the contamination. Green Acres may reconsider acquisition of the site upon receipt by the Township of a No Further Action determination by the Site Remediation & Waste Management Program.

Appendix C

NJDEP May 2007 Sampling Results

State of New Jersey

JON S. CORZINE
Governor

DEPARTMENT OF ENVIRONMENTAL PROTECTION
SITE REMEDIATION AND SOLID WASTE MANAGEMENT PROGRAM
DIVISION OF REMEDIATION SUPPORT
BUREAU OF ENVIRONMENTAL MEASUREMENTS AND SITE ASSESSMENT
P.O. BOX 407
TRENTON, NEW JERSEY 08625-0407

LISA P. JACKSON
Commissioner

JUN 05 2007

MEMORANDUM

To: Ed Putnam, Assistant Director,
Site Remediation Program

Results due 6/25

Through: Jerry R. Schoenleber, Section Chief JRS
Environmental Measurements Section

From: David Dibblee, HSMS 2 6/5/07
Environmental Measurements Section

Subject: Laurence Harbor Seawall Soil Sampling
Field Sampling Summary Report

At the request of Assistant Director Putnam, a soil sampling event was conducted at the Laurence Harbor Seawall, Old Bridge Township, Middlesex County. For this event a total of 34 soil samples were collected for metals on March 14, 2007. After collection of each sample its location was plotted using a Trimble GPS logger. All samples were collected in accordance with the latest NJDEP Field Sampling Procedures Manual.

These samples were collected at the 0-6" interval after homogenizing the soil using a dedicated stainless steel trowel. An enclosed map is provided to indicate soil sampling locations.

Any questions regarding this sampling event may be directed to me at (609) 584-4280.

c: Chron File

R2-0001995

State of New Jersey

Department of Environmental Protection

Jon S. Corzine
Governor

Lisa P. Jackson
Commissioner

MEMORANDUM

TO: Ed Putnam
Remedial Planning and Design Element

THROUGH: Greg Toffoli, Section Chief 8/22/07
Office of Data Quality
Hazardous Site Science Element

AUG 2 2 2007

FROM: Carol Pillsbury 8/22/07
Office of Data Quality
Hazardous Site Science Element

SUBJECT: Quality Assurance Review –**Laurence Harbor Petroleum (SDG 120127)** Site. STL Burlington, Colchester, VT analyzed twenty nonaqueous samples for TAL Metals according to USEPA CLP SOW ILM05.3.

Field ID	Laboratory ID	Sample Date	Matrix
S1A	711236	05/23/2007	NONAQUEOUS
S1B	711237	05/23/2007	NONAQUEOUS
S1C	711238	05/23/2007	NONAQUEOUS
S2B	711239	05/23/2007	NONAQUEOUS
S2A	711240	05/23/2007	NONAQUEOUS
S3A	711241	05/23/2007	NONAQUEOUS
S3B	711242	05/23/2007	NONAQUEOUS
S3C	711243	05/23/2007	NONAQUEOUS
S4A	711244	05/23/2007	NONAQUEOUS
S4B	711245	05/23/2007	NONAQUEOUS
S4C	711246	05/23/2007	NONAQUEOUS
S16	711247	05/23/2007	NONAQUEOUS
S15	711248	05/23/2007	NONAQUEOUS
S14	711249	05/23/2007	NONAQUEOUS
S17	711250	05/23/2007	NONAQUEOUS
S19	711251	05/23/2007	NONAQUEOUS
S18	711252	05/23/2007	NONAQUEOUS
S20	711253	05/23/2007	NONAQUEOUS
S12	711254	05/23/2007	NONAQUEOUS
S5B	711255	05/23/2007	NONAQUEOUS

The Office of Data Quality, Hazardous Site Science Element, Division of Remediation Management and Response has reviewed the above listed nonaqueous samples according to Full CLP Deliverable Requirements as specified in the Technical Requirements for Site

Remediation, N.J.A.C. 7:26E. A Target Analyte Summary List is provided for your convenience. Specific comments are provided below:

Metals

Samples S1A (711236), S3B (711242), S3C (711243) and S12 (711254) were analyzed undiluted and at 100 fold dilutions because lead, sodium and zinc were present at levels above the linear range of the instrument. The dilution analyses were sufficient to bring the concentrations of lead and zinc within the linear range. The dilutions were too extensive for sodium in the above listed samples and the detection limits were elevated above the Contract Required Quantitation Limits (CRQLs). A 50-fold dilution would have been more appropriate for sodium. The nondetected results and detection levels for sodium in the above mentioned samples are suspect.

The remaining metals data are acceptable with the qualifications resulting from QA/QC outliers in the following analyses: sample spike, sample duplicate, serial dilution, preparation blank and negative drifting.

Should you have any questions regarding this review, please contact this office at 633-0752.

C. Dave Diblee, SAS

Project Name: 32950000
SDG: 120127
Project Number: 32950000

Laboratory Name: STL-Burlington
Laboratory Location: Colchester, VT

Analyte	CAS Number	Laboratory Reported Conc.	Q	QA Reported Conc.	Retention Time NT Only	QA Decision	Footnotes
Field ID Num: S5B; Lab ID Num: 711255; Sampling Date: 05/23/2007; Matrix: SOIL							
Solids (%)							
Dilution Factor: 1.0							
Solids, Percent	SRP 141	94.2		94.2			
Mercury (mg/Kg)							
Dilution Factor: 1.00							
Mercury	7439-97-6	0.039	UJ	0.039		Qualify	8
ICPAES Metals (mg/Kg)							
Dilution Factor: 1.00							
Aluminum	7429-90-5	3040		3040			
Antimony	7440-36-0	98.9		98.9			
Arsenic	7440-38-2	103	J	103		Qualify	4
Barium	7440-39-3	30.7		30.7			
Beryllium	7440-41-7	0.51	J	0.51		Qualify	5
Cadmium	7440-43-9	0.76	J	0.76		Qualify	5
Calcium	7440-70-2	1620	J	1620		Qualify	1
Chromium	7440-47-3	34.9	J	34.9		Qualify	2,4
Cobalt	7440-48-4	3.1	J	3.1		Qualify	1,5
Copper	7440-50-8	51.1	J	51.1		Qualify	3
Iron	7439-89-6	55100		55100			
Lead	7439-92-1	734		734			
Magnesium	7439-95-4	689		689			
Manganese	7439-96-5	150	J	150		Qualify	4
Nickel	7440-02-0	11.3		11.3			
Potassium	7440-09-7	352	J	352		Qualify	1
Sodium	7440-23-5	681		681			
Thallium	7440-28-0	0.64	J	0.64		Qualify	1
Vanadium	7440-62-2	62.5		62.5			
Zinc	7440-66-6	109		109			
Field ID Num: S12; Lab ID Num: 711254; Sampling Date: 05/23/2007; Matrix: SOIL							
Solids (%)							
Dilution Factor: 1.0							
Solids, Percent	SRP 141	95.3		95.3			
Mercury (mg/Kg)							
Dilution Factor: 1.00							
Mercury	7439-97-6	0.034	J	0.034		Qualify	1,8
ICPAES Metals (mg/Kg)							
Dilution Factor: 1.00							
Aluminum	7429-90-5	1230		1230			
Antimony	7440-36-0	962		962			
Arsenic	7440-38-2	141	J	141		Qualify	4
Barium	7440-39-3	176		176			
Beryllium	7440-41-7	0.16	J	0.16		Qualify	1,5
Cadmium	7440-43-9	11.9	J	11.9		Qualify	5
Calcium	7440-70-2	486	J	486		Qualify	1
Chromium	7440-47-3	6.8	J	6.8		Qualify	2,4
Cobalt	7440-48-4	3.5	J	3.5		Qualify	1,5
Copper	7440-50-8	130	J	130		Qualify	3
Iron	7439-89-6	15200		15200			
Lead	7439-92-1	25600		25600			
Magnesium	7439-95-4	93.5	J	93.5		Qualify	1
Manganese	7439-96-5	89.5	J	89.5		Qualify	4

R2-0001998

Project Name: 32950000
SDG: 120127
Project Number: 32950000

Laboratory Name: STL-Burlington
Laboratory Location: Colchester, VT

Analyte	CAS Number	Laboratory Reported Conc.	Q	QA Reported Conc.	Retention Time NT Only	QA Decision	Footnotes
Nickel	7440-02-0	13.9		13.9			
Potassium	7440-09-7	212	J	212		Qualify	1
Selenium	7782-49-2	0.69	J	0.69		Qualify	1
Silver	7440-22-4	1.1		1.1			
Sodium	7440-23-5	4010	UJ	4010		Suspect	10
Thallium	7440-28-0	1.6	J	1.6		Qualify	1
Vanadium	7440-62-2	8.9		8.9			
Zinc	7440-66-6	170		170			
Field ID Num: S20; Lab ID Num: 711253; Sampling Date: 05/23/2007; Matrix: SOIL							
Solids (%)							
Dilution Factor: 1.0							
Solids, Percent	SRP 141	96		96			
Mercury (mg/Kg)							
Dilution Factor: 1.00							
Mercury	7439-97-6	0.047	UJ	0.047		Qualify	8
ICPAES Metals (mg/Kg)							
Dilution Factor: 1.00							
Aluminum	7429-90-5	1790		1790			
Antimony	7440-36-0	9.3		9.3			
Arsenic	7440-38-2	15.3	J	15.3		Qualify	4
Barium	7440-39-3	52.1		52.1			
Beryllium	7440-41-7	0.25	J	0.25		Qualify	1,5
Cadmium	7440-43-9	0.51	J	0.51		Qualify	5
Calcium	7440-70-2	3670	J	3670		Qualify	1
Chromium	7440-47-3	10.6	J	10.6		Qualify	2,4
Cobalt	7440-48-4	1.4	J	1.4		Qualify	1,5
Copper	7440-50-8	24.2	J	24.2		Qualify	3
Iron	7439-89-6	21600		21600			
Lead	7439-92-1	260		260			
Magnesium	7439-95-4	481		481			
Manganese	7439-96-5	113	J	113		Qualify	4
Nickel	7440-02-0	4.5		4.5			
Potassium	7440-09-7	243	J	243		Qualify	1
Sodium	7440-23-5	497		497			
Vanadium	7440-62-2	32.4		32.4			
Zinc	7440-66-6	53.1		53.1			
Field ID Num: S18; Lab ID Num: 711252; Sampling Date: 05/23/2007; Matrix: SOIL							
Solids (%)							
Dilution Factor: 1.0							
Solids, Percent	SRP 141	94.9		94.9			
Mercury (mg/Kg)							
Dilution Factor: 1.00							
Mercury	7439-97-6	0.053	UJ	0.053		Qualify	8
ICPAES Metals (mg/Kg)							
Dilution Factor: 1.00							
Aluminum	7429-90-5	1790		1790			
Antimony	7440-36-0	17.8		17.8			
Arsenic	7440-38-2	26	J	26		Qualify	4
Barium	7440-39-3	8.1	J	8.1		Qualify	1
Beryllium	7440-41-7	0.32	J	0.32		Qualify	1,5
Cadmium	7440-43-9	0.36	J	0.36		Qualify	1,5
Calcium	7440-70-2	13500		13500			

R2-0001999

Project Name: 32950000
SDG: 120127
Project Number: 32950000

Laboratory Name: STL-Burlington
Laboratory Location: Colchester, VT

Analyte	CAS Number	Laboratory Reported Conc.	Q	QA Reported Conc.	Retention Time NT Only	QA Decision	Footnotes
Chromium	7440-47-3	23.7	J	23.7		Qualify	2,4
Cobalt	7440-48-4	2	J	2		Qualify	1,5
Copper	7440-50-8	29.6	J	29.6		Qualify	3
Iron	7439-89-6	20200		20200			
Lead	7439-92-1	334		334			
Magnesium	7439-95-4	685		685			
Manganese	7439-96-5	104	J	104		Qualify	4
Nickel	7440-02-0	6.3		6.3			
Potassium	7440-09-7	273	J	273		Qualify	1
Sodium	7440-23-5	645		645			
Vanadium	7440-62-2	34.4		34.4			
Zinc	7440-66-6	56.1		56.1			
Field ID Num: S19; Lab ID Num: 711251; Sampling Date: 05/23/2007; Matrix: SOIL							
Solids (%)							
Dilution Factor: 1.0							
Solids, Percent	SRP 141	95.2		95.2			
Mercury (mg/Kg)							
Dilution Factor: 1.00							
Mercury	7439-97-6	0.037	UJ	0.037		Qualify	8
ICPAES Metals (mg/Kg)							
Dilution Factor: 1.00							
Aluminum	7429-90-5	2830		2830			
Antimony	7440-36-0	17.9		17.9			
Arsenic	7440-38-2	23.6	J	23.6		Qualify	4
Barium	7440-39-3	8.8	J	8.8		Qualify	1
Beryllium	7440-41-7	0.25	J	0.25		Qualify	1,5
Cadmium	7440-43-9	0.35	J	0.35		Qualify	1,5
Calcium	7440-70-2	8830		8830			
Chromium	7440-47-3	11.7	J	11.7		Qualify	2,4
Cobalt	7440-48-4	1.9	J	1.9		Qualify	1,5
Copper	7440-50-8	37	J	37		Qualify	3
Iron	7439-89-6	27600		27600			
Lead	7439-92-1	245		245			
Magnesium	7439-95-4	560		560			
Manganese	7439-96-5	68.8	J	68.8		Qualify	4
Nickel	7440-02-0	7.1		7.1			
Potassium	7440-09-7	330	J	330		Qualify	1
Sodium	7440-23-5	622		622			
Vanadium	7440-62-2	25.9		25.9			
Zinc	7440-66-6	39		39			
Field ID Num: S17; Lab ID Num: 711250; Sampling Date: 05/23/2007; Matrix: SOIL							
Solids (%)							
Dilution Factor: 1.0							
Solids, Percent	SRP 141	93.7		93.7			
Mercury (mg/Kg)							
Dilution Factor: 1.00							
Mercury	7439-97-6	0.051	UJ	0.051		Qualify	8
ICPAES Metals (mg/Kg)							
Dilution Factor: 1.00							
Aluminum	7429-90-5	1360		1360			
Antimony	7440-36-0	67.6		67.6			
Arsenic	7440-38-2	39.3	J	39.3		Qualify	4

Project Name: 32950000
SDG: 120127
Project Number: 32950000

Laboratory Name: STL-Burlington
Laboratory Location: Colchester, VT

Analyte	CAS Number	Laboratory Reported Conc.	Q	QA Reported Conc.	Retention Time NT Only	QA Decision	Footnotes
Barium	7440-39-3	16.8		16.8			
Beryllium	7440-41-7	0.23	J	0.23		Qualify	1,5
Cadmium	7440-43-9	0.32	J	0.32		Qualify	1,5
Calcium	7440-70-2	2320	J	2320		Qualify	1
Chromium	7440-47-3	13.2	J	13.2		Qualify	2,4
Cobalt	7440-48-4	1.3	J	1.3		Qualify	1,5
Copper	7440-50-8	71.3	J	71.3		Qualify	3
Iron	7439-89-6	17100		17100			
Lead	7439-92-1	647		647			
Magnesium	7439-95-4	353	J	353		Qualify	1
Manganese	7439-96-5	65.1	J	65.1		Qualify	4
Nickel	7440-02-0	5.9		5.9			
Potassium	7440-09-7	233	J	233		Qualify	1
Sodium	7440-23-5	402	J	402		Qualify	1
Vanadium	7440-62-2	32.8		32.8			
Zinc	7440-66-6	65.5		65.5			
Field ID Num: S14; Lab ID Num: 711249; Sampling Date: 05/23/2007; Matrix: SOIL							
Solids (%)							
Dilution Factor: 1.0							
Solids, Percent	SRP 141	81.3		81.3			
Mercury (mg/Kg)							
Dilution Factor: 1.00							
Mercury	7439-97-6	0.079	J	0.079		Qualify	8
ICPAES Metals (mg/Kg)							
Dilution Factor: 1.00							
Aluminum	7429-90-5	9930		9930			
Antimony	7440-36-0	0.86	JB	0.86		Negate	6
Arsenic	7440-38-2	13	J	13		Qualify	4
Barium	7440-39-3	58.3		58.3			
Beryllium	7440-41-7	0.6	J	0.6		Qualify	5
Cadmium	7440-43-9	0.27	J	0.27		Qualify	1,5
Calcium	7440-70-2	2960	J	2960		Qualify	1
Chromium	7440-47-3	28.7	J	28.7		Qualify	2,4
Cobalt	7440-48-4	5.4	J	5.4		Qualify	5
Copper	7440-50-8	24.9	J	24.9		Qualify	3
Iron	7439-89-6	27800		27800			
Magnesium	7439-95-4	2520		2520			
Manganese	7439-96-5	168	J	168		Qualify	4
Nickel	7440-02-0	12.8		12.8			
Potassium	7440-09-7	1490		1490			
Lead	7439-92-1	70.5		70.5			
Sodium	7440-23-5	157	J	157		Qualify	1
Vanadium	7440-62-2	40.1		40.1			
Zinc	7440-66-6	57.1		57.1			
Field ID Num: S15; Lab ID Num: 711248; Sampling Date: 05/23/2007; Matrix: SOIL							
Solids (%)							
Dilution Factor: 1.0							
Solids, Percent	SRP 141	91.5		91.5			
Mercury (mg/Kg)							
Dilution Factor: 1.00							
Mercury	7439-97-6	0.055	UJ	0.055		Qualify	8
ICPAES Metals (mg/Kg)							

Analyte	CAS Number	Laboratory Reported Conc.	Q	QA Reported Conc.	Retention Time NT Only	QA Decision	Footnotes
Dilution Factor: 1.00							
Aluminum	7429-90-5	3080		3080			
Antimony	7440-36-0	1.5	JB	1.5		Negate	6
Arsenic	7440-38-2	2	J	2		Qualify	4
Barium	7440-39-3	13.6	J	13.6		Qualify	1
Beryllium	7440-41-7	0.24	J	0.24		Qualify	1,5
Calcium	7440-70-2	442		442			
Chromium	7440-47-3	6.6	J	6.6		Qualify	2,4
Cobalt	7440-48-4	0.32	J	0.32		Qualify	1,5
Copper	7440-50-8	4.2	JB	4.2		Qualify	3,7
Iron	7439-89-6	2680		2680			
Magnesium	7439-95-4	107	J	107		Qualify	1
Manganese	7439-96-5	17.7	J	17.7		Qualify	4
Nickel	7440-02-0	0.52	J	0.52		Qualify	1
Potassium	7440-09-7	330	J	330		Qualify	1
Lead	7439-92-1	8.1		8.1			
Vanadium	7440-62-2	6		6			
Zinc	7440-66-6	4.1	JB	4.1		Negate	6
Field ID Num: S16; Lab ID Num: 711247; Sampling Date: 05/23/2007; Matrix: SOIL							
Solids (%)							
Dilution Factor: 1.0							
Solids, Percent	SRP 141	94.4		94.4			
Mercury (mg/Kg)							
Dilution Factor: 1.00							
Mercury	7439-97-6	0.05	UJ	0.05		Qualify	8
ICPAES Metals (mg/Kg)							
Dilution Factor: 1.00							
Aluminum	7429-90-5	7510		7510			
Antimony	7440-36-0	2.8	JB	2.8		Qualify	1,7
Arsenic	7440-38-2	6.1	J	6.1		Qualify	4
Barium	7440-39-3	17.6		17.6			
Beryllium	7440-41-7	0.24	J	0.24		Qualify	1,5
Cadmium	7440-43-9	0.17	J	0.17		Qualify	1,5
Calcium	7440-70-2	5280		5280			
Chromium	7440-47-3	21.9	J	21.9		Qualify	2,4
Cobalt	7440-48-4	3.5	J	3.5		Qualify	1,5
Copper	7440-50-8	23.8	J	23.8		Qualify	3
Iron	7439-89-6	12600		12600			
Magnesium	7439-95-4	2370		2370			
Manganese	7439-96-5	93.4	J	93.4		Qualify	4
Nickel	7440-02-0	9.9		9.9			
Potassium	7440-09-7	609		609			
Lead	7439-92-1	27.1		27.1			
Sodium	7440-23-5	431		431			
Vanadium	7440-62-2	32.5		32.5			
Zinc	7440-66-6	24.5		24.5			
Field ID Num: S4C; Lab ID Num: 711246; Sampling Date: 05/23/2007; Matrix: SOIL							
Solids (%)							
Dilution Factor: 1.0							
Solids, Percent	SRP 141	94.7		94.7			
Mercury (mg/Kg)							
Dilution Factor: 1.00							

Project Name: 32950000
SDG: 120127
Project Number: 32950000

Laboratory Name: STL-Burlington
Laboratory Location: Colchester, VT

Analyte	CAS Number	Laboratory Reported Conc.	Q	QA Reported Conc.	Retention Time NT Only	QA Decision	Footnotes
Mercury	7439-97-6	0.06	J	0.06		Qualify	8
ICPAES Metals (mg/Kg)							
Dilution Factor: 1.00							
Aluminum	7429-90-5	3260		3260			
Antimony	7440-36-0	633		633			
Arsenic	7440-38-2	386	J	386		Qualify	4
Barium	7440-39-3	100		100			
Beryllium	7440-41-7	0.57	J	0.57		Qualify	5
Cadmium	7440-43-9	3.8	J	3.8		Qualify	5
Calcium	7440-70-2	3500		3500			
Chromium	7440-47-3	27.6	J	27.6		Qualify	2,4
Cobalt	7440-48-4	18.4	J	18.4		Qualify	5
Copper	7440-50-8	770	J	770		Qualify	3
Iron	7439-89-6	74000		74000			
Lead	7439-92-1	14700		14700			
Magnesium	7439-95-4	1090		1090			
Manganese	7439-96-5	433	J	433		Qualify	4
Nickel	7440-02-0	80.6		80.6			
Potassium	7440-09-7	518		518			
Selenium	7782-49-2	0.47	J	0.47		Qualify	1
Silver	7440-22-4	0.65	J	0.65		Qualify	1
Sodium	7440-23-5	1110	J	1110		Qualify	9
Thallium	7440-28-0	1	J	1		Qualify	1
Vanadium	7440-62-2	64.5		64.5			
Zinc	7440-66-6	319		319			
Field ID Num: S4B; Lab ID Num: 711245; Sampling Date: 05/23/2007; Matrix: SOIL							
Solids (%)							
Dilution Factor: 1.0							
Solids, Percent	SRP 141	98		98			
Mercury (mg/Kg)							
Dilution Factor: 1.00							
Mercury	7439-97-6	0.42		0.42			
ICPAES Metals (mg/Kg)							
Dilution Factor: 1.00							
Aluminum	7429-90-5	3170		3170			
Antimony	7440-36-0	4730		4730			
Arsenic	7440-38-2	3350	J	3350		Qualify	4
Barium	7440-39-3	289		289			
Beryllium	7440-41-7	0.26	J	0.26		Qualify	1,5
Cadmium	7440-43-9	6.4	J	6.4		Qualify	5
Calcium	7440-70-2	2150		2150			
Chromium	7440-47-3	44.3	J	44.3		Qualify	2,4
Cobalt	7440-48-4	24.9	J	24.9		Qualify	5
Copper	7440-50-8	3590	J	3590		Qualify	3
Iron	7439-89-6	217000		217000			
Lead	7439-92-1	25100		25100			
Magnesium	7439-95-4	479		479			
Manganese	7439-96-5	499	J	499		Qualify	4
Nickel	7440-02-0	286		286			
Potassium	7440-09-7	630		630			
Selenium	7782-49-2	15.7		15.7			
Silver	7440-22-4	1.4		1.4			

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Analyte	CAS Number	Laboratory Reported Conc.	Q	QA Reported Conc.	Retention Time NT Only	QA Decision	Footnotes
Sodium	7440-23-5	638	J	638		Qualify	9
Thallium	7440-28-0	2.6		2.6			
Vanadium	7440-62-2	52.9		52.9			
Zinc	7440-66-6	655		655			
Field ID Num: S4A; Lab ID Num: 711244; Sampling Date: 05/23/2007; Matrix: SOIL							
Solids (%)							
Dilution Factor: 1.0							
Solids, Percent	SRP 141	95.6		95.6			
Mercury (mg/Kg)							
Dilution Factor: 1.00							
Mercury	7439-97-6	0.54		0.54			
ICPAES Metals (mg/Kg)							
Dilution Factor: 1.00							
Aluminum	7429-90-5	1790		1790			
Antimony	7440-36-0	145		145			
Arsenic	7440-38-2	92.1	J	92.1		Qualify	4
Barium	7440-39-3	45		45			
Beryllium	7440-41-7	0.14	J	0.14		Qualify	1,5
Cadmium	7440-43-9	1.1	J	1.1		Qualify	5
Calcium	7440-70-2	576		576			
Chromium	7440-47-3	9.2	J	9.2		Qualify	2,4
Cobalt	7440-48-4	1.1	J	1.1		Qualify	1,5
Copper	7440-50-8	131	J	131		Qualify	3
Iron	7439-89-6	11600		11600			
Lead	7439-92-1	4970		4970			
Magnesium	7439-95-4	258	J	258		Qualify	1
Manganese	7439-96-5	41.8	J	41.8		Qualify	4
Nickel	7440-02-0	7.9		7.9			
Potassium	7440-09-7	290	J	290		Qualify	1
Selenium	7782-49-2	0.56	J	0.56		Qualify	1
Silver	7440-22-4	1		1			
Sodium	7440-23-5	92.5	J	92.5		Qualify	1
Thallium	7440-28-0	0.39	J	0.39		Qualify	1
Vanadium	7440-62-2	13.6		13.6			
Zinc	7440-66-6	55.7		55.7			
Field ID Num: S3C; Lab ID Num: 711243; Sampling Date: 05/23/2007; Matrix: SOIL							
Solids (%)							
Dilution Factor: 1.0							
Solids, Percent	SRP 141	88.9		88.9			
Mercury (mg/Kg)							
Dilution Factor: 1.00							
Mercury	7439-97-6	0.054	J	0.054		Qualify	8
ICPAES Metals (mg/Kg)							
Dilution Factor: 1.00							
Aluminum	7429-90-5	2710		2710			
Antimony	7440-36-0	12900		12900			
Arsenic	7440-38-2	850	J	850		Qualify	4
Barium	7440-39-3	24.9		24.9			
Beryllium	7440-41-7	0.46	J	0.46		Qualify	5
Cadmium	7440-43-9	6.4	J	6.4		Qualify	5
Calcium	7440-70-2	4890		4890			
Chromium	7440-47-3	30.4	J	30.4		Qualify	2,4

Project Name: 32950000
SDG: 120127
Project Number: 32950000

Laboratory Name: STL-Burlington
Laboratory Location: Colchester, VT

Analyte	CAS Number	Laboratory Reported Conc.	Q	QA Reported Conc.	Retention Time NT Only	QA Decision	Footnotes
Cobalt	7440-48-4	10.2	J	10.2		Qualify	5
Copper	7440-50-8	1220	J	1220		Qualify	3
Iron	7439-89-6	101000		101000			
Lead	7439-92-1	142000		142000			
Magnesium	7439-95-4	701		701			
Manganese	7439-96-5	325	J	325		Qualify	4
Nickel	7440-02-0	59.2		59.2			
Potassium	7440-09-7	286	J	286		Qualify	1
Selenium	7782-49-2	2.1	J	2.1		Qualify	1
Silver	7440-22-4	11.8		11.8			
Sodium	7440-23-5	42900	UJ	42900		Suspect	10
Thallium	7440-28-0	2.8		2.8			
Vanadium	7440-62-2	51.3		51.3			
Zinc	7440-66-6	347	J	347		Qualify	9
Field ID Num: S3B; Lab ID Num: 711242; Sampling Date: 05/23/2007; Matrix: SOIL							
Solids (%)							
Dilution Factor: 1.0							
Solids, Percent	SRP 141	94.5		94.5			
Mercury (mg/Kg)							
Dilution Factor: 1.00							
Mercury	7439-97-6	1.3		1.3			
ICPAES Metals (mg/Kg)							
Dilution Factor: 1.00							
Aluminum	7429-90-5	5100		5100			
Antimony	7440-36-0	864		864			
Arsenic	7440-38-2	544	J	544		Qualify	4
Barium	7440-39-3	525		525			
Beryllium	7440-41-7	0.27	J	0.27		Qualify	1,5
Cadmium	7440-43-9	3.2	J	3.2		Qualify	5
Calcium	7440-70-2	1050		1050			
Chromium	7440-47-3	47.5	J	47.5		Qualify	2,4
Cobalt	7440-48-4	6.6	J	6.6		Qualify	5
Copper	7440-50-8	1130	J	1130		Qualify	3
Iron	7439-89-6	78100		78100			
Lead	7439-92-1	39900		39900			
Magnesium	7439-95-4	522		522			
Manganese	7439-96-5	469	J	469		Qualify	4
Nickel	7440-02-0	41.7		41.7			
Potassium	7440-09-7	704		704			
Selenium	7782-49-2	2.8	J	2.8		Qualify	1
Silver	7440-22-4	1.7		1.7			
Sodium	7440-23-5	4010	UJ	4010		Suspect	10
Thallium	7440-28-0	2.5		2.5			
Vanadium	7440-62-2	49.4		49.4			
Zinc	7440-66-6	394		394			
Field ID Num: S3A; Lab ID Num: 711241; Sampling Date: 05/23/2007; Matrix: SOIL							
Solids (%)							
Dilution Factor: 1.0							
Solids, Percent	SRP 141	89		89			
Mercury (mg/Kg)							
Dilution Factor: 1.00							
Mercury	7439-97-6	0.035	J	0.035		Qualify	1,8

Project Name: 32950000
SDG: 120127
Project Number: 32950000

Laboratory Name: STL-Burlington
Laboratory Location: Colchester, VT

Analyte	CAS Number	Laboratory Reported Conc.	Q	QA Reported Conc.	Retention Time NT Only	QA Decision	Footnotes
ICPAES Metals (mg/Kg)							
Dilution Factor: 1.00							
Aluminum	7429-90-5	5770		5770			
Antimony	7440-36-0	4.6	JB	4.6		Qualify	1,7
Arsenic	7440-38-2	35.4	J	35.4		Qualify	4
Barium	7440-39-3	50.3		50.3			
Beryllium	7440-41-7	0.35	J	0.35		Qualify	1,5
Cadmium	7440-43-9	0.37	J	0.37		Qualify	1,5
Calcium	7440-70-2	1760		1760			
Chromium	7440-47-3	17.2	J	17.2		Qualify	2,4
Cobalt	7440-48-4	2.9	J	2.9		Qualify	1,5
Copper	7440-50-8	121	J	121		Qualify	3
Iron	7439-89-6	10500		10500			
Lead	7439-92-1	324		324			
Magnesium	7439-95-4	1360		1360			
Manganese	7439-96-5	168	J	168		Qualify	4
Nickel	7440-02-0	11.5		11.5			
Potassium	7440-09-7	612		612			
Silver	7440-22-4	0.15	J	0.15		Qualify	1
Sodium	7440-23-5	128	J	128		Qualify	1
Vanadium	7440-62-2	34.4		34.4			
Zinc	7440-66-6	33.2		33.2			
Field ID Num: S2A; Lab ID Num: 711240; Sampling Date: 05/23/2007; Matrix: SOIL							
Solids (%)							
Dilution Factor: 1.0							
Solids, Percent	SRP 141	97.1		97.1			
Mercury (mg/Kg)							
Dilution Factor: 1.00							
Mercury	7439-97-6	0.049	J	0.049		Qualify	8
ICPAES Metals (mg/Kg)							
Dilution Factor: 1.00							
Aluminum	7429-90-5	4660		4660			
Antimony	7440-36-0	7.6		7.6			
Arsenic	7440-38-2	30.7	J	30.7		Qualify	4
Barium	7440-39-3	53.4		53.4			
Beryllium	7440-41-7	0.26	J	0.26		Qualify	1,5
Cadmium	7440-43-9	0.34	J	0.34		Qualify	1,5
Calcium	7440-70-2	1030		1030			
Chromium	7440-47-3	8.7	J	8.7		Qualify	2,4
Cobalt	7440-48-4	1.9	J	1.9		Qualify	1,5
Copper	7440-50-8	199	J	199		Qualify	3
Iron	7439-89-6	10400		10400			
Lead	7439-92-1	672		672			
Magnesium	7439-95-4	563		563			
Manganese	7439-96-5	87	J	87		Qualify	4
Nickel	7440-02-0	12.5		12.5			
Potassium	7440-09-7	648		648			
Selenium	7782-49-2	0.85	J	0.85		Qualify	1
Silver	7440-22-4	0.64	J	0.64		Qualify	1
Sodium	7440-23-5	173	J	173		Qualify	1
Vanadium	7440-62-2	46.1		46.1			
Zinc	7440-66-6	38.7		38.7			

Analyte	CAS Number	Laboratory Reported Conc.	Q	QA Reported Conc.	Retention Time NT Only	QA Decision	Footnotes
Field ID Num: S2B; Lab ID Num: 711239; Sampling Date: 05/23/2007; Matrix: SOIL							
Solids (%)							
Dilution Factor: 1.0							
Solids, Percent	SRP 141	91.4		91.4			
Mercury (mg/Kg)							
Dilution Factor: 1.00							
Mercury	7439-97-6	0.05	UJ	0.05		Qualify	8
ICPAES Metals (mg/Kg)							
Dilution Factor: 1.00							
Aluminum	7429-90-5	2950		2950			
Antimony	7440-36-0	8.6		8.6			
Arsenic	7440-38-2	29.4	J	29.4		Qualify	4
Barium	7440-39-3	5.6	J	5.6		Qualify	1
Beryllium	7440-41-7	0.6	J	0.6		Qualify	5
Cadmium	7440-43-9	0.57	J	0.57		Qualify	5
Calcium	7440-70-2	298	J	298		Qualify	1
Chromium	7440-47-3	44.3	J	44.3		Qualify	2,4
Cobalt	7440-48-4	1.9	J	1.9		Qualify	1,5
Copper	7440-50-8	42.7	J	42.7		Qualify	3
Iron	7439-89-6	47700		47700			
Lead	7439-92-1	155		155			
Magnesium	7439-95-4	513		513			
Manganese	7439-96-5	79.5	J	79.5		Qualify	4
Nickel	7440-02-0	8.8		8.8			
Potassium	7440-09-7	374	J	374		Qualify	1
Sodium	7440-23-5	147	J	147		Qualify	1
Vanadium	7440-62-2	65.5		65.5			
Zinc	7440-66-6	89.2		89.2			
Field ID Num: S1C; Lab ID Num: 711238; Sampling Date: 05/23/2007; Matrix: SOIL							
Solids (%)							
Dilution Factor: 1.0							
Solids, Percent	SRP 141	90.7		90.7			
Mercury (mg/Kg)							
Dilution Factor: 1.00							
Mercury	7439-97-6	0.039	J	0.039		Qualify	1,8
ICPAES Metals (mg/Kg)							
Dilution Factor: 1.00							
Aluminum	7429-90-5	3740		3740			
Antimony	7440-36-0	628		628			
Arsenic	7440-38-2	228	J	228		Qualify	4
Barium	7440-39-3	58.1		58.1			
Beryllium	7440-41-7	0.56	J	0.56		Qualify	5
Cadmium	7440-43-9	1.2	J	1.2		Qualify	5
Calcium	7440-70-2	2720		2720			
Chromium	7440-47-3	43	J	43		Qualify	2,4
Cobalt	7440-48-4	67.6	J	67.6		Qualify	5
Copper	7440-50-8	821	J	821		Qualify	3
Iron	7439-89-6	91100		91100			
Lead	7439-92-1	6120		6120			
Magnesium	7439-95-4	1670		1670			
Manganese	7439-96-5	480	J	480		Qualify	4
Nickel	7440-02-0	244		244			

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Project Name: 32950000
SDG: 120127
Project Number: 32950000

Laboratory Name: STL-Burlington
Laboratory Location: Colchester, VT

Analyte	CAS Number	Laboratory Reported Conc.	Q	QA Reported Conc.	Retention Time NT Only	QA Decision	Footnotes
Potassium	7440-09-7	507		507			
Silver	7440-22-4	0.4	J	0.4		Qualify	1
Sodium	7440-23-5	1280		1280			
Thallium	7440-28-0	0.63	J	0.63		Qualify	1
Vanadium	7440-62-2	85.6		85.6			
Zinc	7440-66-6	339		339			
Field ID Num: S1B; Lab ID Num: 711237; Sampling Date: 05/23/2007; Matrix: SOIL							
Solids (%)							
Dilution Factor: 1.0							
Solids, Percent	SRP 141	95.5		95.5			
Mercury (mg/Kg)							
Dilution Factor: 1.00							
Mercury	7439-97-6	0.048	UJ	0.048		Qualify	8
ICPAES Metals (mg/Kg)							
Dilution Factor: 1.00							
Aluminum	7429-90-5	2710		2710			
Antimony	7440-36-0	68.1		68.1			
Arsenic	7440-38-2	54	J	54		Qualify	4
Barium	7440-39-3	118		118			
Beryllium	7440-41-7	0.31	J	0.31		Qualify	1,5
Cadmium	7440-43-9	0.71	J	0.71		Qualify	5
Calcium	7440-70-2	7370		7370			
Chromium	7440-47-3	19.9	J	19.9		Qualify	2,4
Cobalt	7440-48-4	2.3	J	2.3		Qualify	1,5
Copper	7440-50-8	180	J	180		Qualify	3
Iron	7439-89-6	44600		44600			
Lead	7439-92-1	1670		1670			
Magnesium	7439-95-4	2470		2470			
Manganese	7439-96-5	135	J	135		Qualify	4
Nickel	7440-02-0	16.4		16.4			
Potassium	7440-09-7	314	J	314		Qualify	1
Silver	7440-22-4	0.45	J	0.45		Qualify	1
Sodium	7440-23-5	824		824			
Vanadium	7440-62-2	47.9		47.9			
Zinc	7440-66-6	146		146			
Field ID Num: S1A; Lab ID Num: 711236; Sampling Date: 05/23/2007; Matrix: SOIL							
Solids (%)							
Dilution Factor: 1.0							
Solids, Percent	SRP 141	89.7		89.7			
Mercury (mg/Kg)							
Dilution Factor: 1.00							
Mercury	7439-97-6	0.61	J	0.61		Qualify	8
ICPAES Metals (mg/Kg)							
Dilution Factor: 1.00							
Aluminum	7429-90-5	6990		6990			
Antimony	7440-36-0	562		562			
Arsenic	7440-38-2	147	J	147		Qualify	4
Barium	7440-39-3	311		311			
Beryllium	7440-41-7	0.46	J	0.46		Qualify	5
Cadmium	7440-43-9	7.1	J	7.1		Qualify	5
Calcium	7440-70-2	2090		2090			
Chromium	7440-47-3	22.3	J	22.3		Qualify	2,4

R2-0002008

Project Name: 32950000
SDG: 120127
Project Number: 32950000

Laboratory Name: STL-Burlington
Laboratory Location: Colchester, VT

Analyte	CAS Number	Laboratory Reported Conc.	Q	QA Reported Conc.	Retention Time NT Only	QA Decision	Footnotes
Cobalt	7440-48-4	5.8	J	5.8		Qualify	5
Copper	7440-50-8	321	J	321		Qualify	3
Iron	7439-89-6	39300		39300			
Lead	7439-92-1	7630		7630			
Magnesium	7439-95-4	1360		1360			
Manganese	7439-96-5	247		247		Qualify	4
Nickel	7440-02-0	40.9		40.9			
Potassium	7440-09-7	1290		1290			
Selenium	7782-49-2	0.72	J	0.72		Qualify	1
Silver	7440-22-4	1.6		1.6			
Sodium	7440-23-5	4290	UJ	4290		Suspect	10
Thallium	7440-28-0	0.82	J	0.82		Qualify	1
Vanadium	7440-62-2	104		104			
Zinc	7440-66-6	422		422			

FOOTNOTES

1. The reported concentration is quantitatively qualified because it is above the Method Detection Level (MDL) but below the Contract Required Quantitation Limit (CRQL).

2. The reported concentration is quantitatively qualified and may be biased low or the detection limit for the nondetected result may be estimated because the %recovery for the sample spike analysis was below the QA/QC limits of 75-125%.

3. The reported concentration is quantitatively qualified and may be biased high because the %recovery for the sample spike analysis was above the QA/QC limits of 75-125%.

4. The reported concentration is quantitatively qualified because the Relative %Difference between the sample and sample duplicate results was greater than 20%.

5. The reported concentration is quantitatively qualified because the %Difference between the sample result and the Sample Serial Dilution result for this analyte was greater than 10%.

6. The reported concentration in the sample is less than 3 X the value in the method/preparation blank. It is the policy of ODQ to negate the reported value due to probable contamination unrelated to the actual sample.

7. The reported concentration in the sample is greater than 3X the value in the method/preparation blank and is considered "real". However, the reported value must be quantitatively qualified "J" due to method/preparation blank contamination. The "B" qualifier alerts the end-user to the presence of this analyte in the method/preparation blank.

8. The positive result is qualified "J" and may be biased low, the nondetected results are qualified "UJ" and the detection limits may be estimated due to negative drifting of this analyte in the preparation blank.

9. The reported concentration of this analyte is taken from a dilution analysis. The concentration is above the MDL but below the elevated CRQL.

10. The non detected result for this analyte is suspect because the sample was diluted too extensively.

State of New Jersey

Department of Environmental Protection

Jon S. Corzine
Governor

Lisa P. Jackson
Commissioner

MEMORANDUM

TO: Ed Putnam
Remedial Planning and Design Element

THROUGH: Greg Toffoli, Section Chief GT 8/16/07
Office of Data Quality
Hazardous Site Science Element

AUG 16 2007

FROM: Carol Pillsbury CP 8/16/07
Office of Data Quality
Hazardous Site Science Element

SUBJECT: Quality Assurance Review –**Laurence Harbor Petroleum (SDG 120128)** Site. STL Burlington, Colchester, VT analyzed seventeen nonaqueous samples for TAL Metals according to USEPA CLP SOW ILM05.3.

Field ID	Laboratory ID	Sample Date	Matrix
S13	711256	05/23/2007	NONAQUEOUS
S5A	711257	05/23/2007	NONAQUEOUS
S5C	711258	05/23/2007	NONAQUEOUS
S6A	711259	05/23/2007	NONAQUEOUS
S6B	711260	05/23/2007	NONAQUEOUS
S6C	711261	05/23/2007	NONAQUEOUS
S7A	711262	05/23/2007	NONAQUEOUS
S7B	711263	05/23/2007	NONAQUEOUS
S8A	711264	05/23/2007	NONAQUEOUS
S8B	711265	05/23/2007	NONAQUEOUS
S8C	711266	05/23/2007	NONAQUEOUS
S9A	711267	05/23/2007	NONAQUEOUS
S9B	711268	05/23/2007	NONAQUEOUS
S9C	711269	05/23/2007	NONAQUEOUS
DUP1	711270	05/23/2007	NONAQUEOUS
DUP2	711271	05/23/2007	NONAQUEOUS
DUP3	711272	05/23/2007	NONAQUEOUS

The Office of Data Quality, Hazardous Site Science Element, Division of Remediation Management and Response has reviewed the above listed nonaqueous samples according to Full CLP Deliverable Requirements as specified in the Technical Requirements for Site Remediation, N.J.A.C. 7:26E. A Target Analyte Summary List is provided for your convenience. Specific comments are provided below:

Metals

Samples S6B (711260), S7B (711263), S8B (711265), S9B (711268), S9C (711269), DUP1 (711270) and DUP2 (711271) were analyzed undiluted and at 100 fold dilutions because lead, sodium and zinc were present at levels above the linear range of the instrument. The dilution analyses were sufficient to bring the concentrations of lead and zinc within the linear range. The dilutions were too extensive for sodium in the above listed samples and the detection limits were elevated above the Contract Required Quantitation Limits (CRQLs). A 50-fold dilution would have been more appropriate for sodium. The nondetected results and detection levels for sodium in the above mentioned samples are suspect.

The remaining metals data are acceptable with the qualifications resulting from QA/QC outliers in the following analyses: sample spike, sample duplicate, serial dilution and preparation blank.

Should you have any questions regarding this review, please contact this office at 633-0752.

C. Dave Diblee, SAS

Project Name: 32950000
SDG: 120128
Project Number: 32950000

Laboratory Name: STL-Burlington
Laboratory Location: Colchester, VT

Analyte	CAS Number	Laboratory Reported Conc.	Q	QA Reported Conc.	Retention Time NT Only	QA Decision	Footnotes
Field ID Num: DUP3; Lab ID Num: 711272; Sampling Date: 05/23/2007; Matrix: SOIL							
Solids (%)							
Dilution Factor: 1.0							
Solids, Percent	SRP 141	92.5		92.5			
Mercury (mg/Kg)							
Dilution Factor: 1.00							
ICPAES Metals (mg/Kg)							
Dilution Factor: 1.00							
Aluminum	7429-90-5	1670	J	1670		Qualify	3
Antimony	7440-36-0	68.3	J	68.3		Qualify	2,3
Arsenic	7440-38-2	54.5	J	54.5		Qualify	3,7
Barium	7440-39-3	9.4	J	9.4		Qualify	1,3
Beryllium	7440-41-7	0.32	JB	0.32		Qualify	1,5
Cadmium	7440-43-9	0.22	J	0.22		Qualify	1
Calcium	7440-70-2	4810	J	4810		Qualify	3
Chromium	7440-47-3	14.3		14.3			
Cobalt	7440-48-4	1.9	J	1.9		Qualify	1
Copper	7440-50-8	47.2	J	47.2		Qualify	3
Iron	7439-89-6	30600	J	30600		Qualify	3
Magnesium	7439-95-4	436		436			
Manganese	7439-96-5	160	J	160		Qualify	2,3
Nickel	7440-02-0	7.1		7.1			
Potassium	7440-09-7	225	JB	225		Qualify	1,5
Lead	7439-92-1	1090	J	1090		Qualify	3
Sodium	7440-23-5	479		479			
Vanadium	7440-62-2	30.3	J	30.3		Qualify	3
Zinc	7440-66-6	66.9	J	66.9		Qualify	3,4
Field ID Num: DUP2; Lab ID Num: 711271; Sampling Date: 05/23/2007; Matrix: SOIL							
Solids (%)							
Dilution Factor: 1.0							
Solids, Percent	SRP 141	86		86			
Mercury (mg/Kg)							
Dilution Factor: 1.00							
Mercury	7439-97-6	0.041	J	0.041		Qualify	1
ICPAES Metals (mg/Kg)							
Dilution Factor: 1.00							
Aluminum	7429-90-5	1470	J	1470		Qualify	3
Antimony	7440-36-0	934	J	934		Qualify	2,3
Arsenic	7440-38-2	161	J	161		Qualify	3,7
Barium	7440-39-3	173	J	173		Qualify	3
Beryllium	7440-41-7	0.22	JB	0.22		Qualify	1,5
Cadmium	7440-43-9	10.3		10.3			
Calcium	7440-70-2	633	J	633		Qualify	3
Chromium	7440-47-3	8.2		8.2			
Cobalt	7440-48-4	3.9	J	3.9		Qualify	1
Copper	7440-50-8	140	J	140		Qualify	3
Iron	7439-89-6	16800	J	16800		Qualify	3
Magnesium	7439-95-4	137	J	137		Qualify	1
Manganese	7439-96-5	87.5	J	87.5		Qualify	2,3
Nickel	7440-02-0	15.2		15.2			

R2-0002013

Project Name: 32950000
SDG: 120128
Project Number: 32950000

Laboratory Name: STL-Burlington
Laboratory Location: Colchester, VT

Analyte	CAS Number	Laboratory Reported Conc.	Q	QA Reported Conc.	Retention Time NT Only	QA Decision	Footnotes
Potassium	7440-09-7	266	JB	266		Qualify	1,5
Lead	7439-92-1	43700	J	43700		Qualify	3
Silver	7440-22-4	1.4		1.4			
Selenium	7782-49-2	0.95	J	0.95		Qualify	1
Thallium	7440-28-0	1.2	J	1.2		Qualify	1
Vanadium	7440-62-2	11.7	J	11.7		Qualify	3
Zinc	7440-66-6	274	J	274		Qualify	3,4,8
Field ID Num: DUP1; Lab ID Num: 711270; Sampling Date: 05/23/2007; Matrix: SOIL							
Solids (%)							
Dilution Factor: 1.0							
Solids, Percent	SRP 141	92.2		92.2			
Mercury (mg/Kg)							
Dilution Factor: 1.00							
Mercury	7439-97-6	0.04	J	0.04		Qualify	1
ICPAES Metals (mg/Kg)							
Dilution Factor: 1.00							
Aluminum	7429-90-5	3520	J	3520		Qualify	3
Antimony	7440-36-0	833	J	833		Qualify	2,3
Arsenic	7440-38-2	391	J	391		Qualify	3,7
Barium	7440-39-3	197	J	197		Qualify	3
Beryllium	7440-41-7	0.46		0.46			
Cadmium	7440-43-9	1		1			
Calcium	7440-70-2	4240	J	4240		Qualify	3
Chromium	7440-47-3	41		41			
Cobalt	7440-48-4	56.7		56.7			
Copper	7440-50-8	903	J	903		Qualify	3
Iron	7439-89-6	87400	J	87400		Qualify	3
Magnesium	7439-95-4	1530		1530			
Manganese	7439-96-5	436	J	436		Qualify	2,3
Nickel	7440-02-0	227		227			
Potassium	7440-09-7	462	J	462		Qualify	5
Lead	7439-92-1	12600	J	12600		Qualify	3
Silver	7440-22-4	0.73	J	0.73		Qualify	1
Vanadium	7440-62-2	81.3	J	81.3		Qualify	3
Zinc	7440-66-6	470	J	470		Qualify	3,4,8
Field ID Num: S9C; Lab ID Num: 711269; Sampling Date: 05/23/2007; Matrix: SOIL							
Solids (%)							
Dilution Factor: 1.0							
Solids, Percent	SRP 141	93.7		93.7			
Mercury (mg/Kg)							
Dilution Factor: 1.00							
Mercury	7439-97-6	0.024	J	0.024		Qualify	1
ICPAES Metals (mg/Kg)							
Dilution Factor: 1.00							
Aluminum	7429-90-5	3020	J	3020		Qualify	3
Antimony	7440-36-0	1240	J	1240		Qualify	2,3
Arsenic	7440-38-2	227	J	227		Qualify	3,7
Barium	7440-39-3	208	J	208		Qualify	3
Beryllium	7440-41-7	0.47		0.47			
Cadmium	7440-43-9	2		2			

R2-0002014

Analyte	CAS Number	Laboratory Reported Conc.	Q	QA Reported Conc.	Retention Time NT Only	QA Decision	Footnotes
Calcium	7440-70-2	2310	J	2310		Qualify	3
Chromium	7440-47-3	36.9		36.9			
Cobalt	7440-48-4	4.6		4.6			
Copper	7440-50-8	609	J	609		Qualify	3
Iron	7439-89-6	65400	J	65400		Qualify	3
Magnesium	7439-95-4	926		926			
Manganese	7439-96-5	260	J	260		Qualify	2,3
Nickel	7440-02-0	23.4		23.4			
Potassium	7440-09-7	480	JB	480		Qualify	5
Lead	7439-92-1	24000	J	24000		Qualify	3
Silver	7440-22-4	0.87		0.87			
Thallium	7440-28-0	0.42	J	0.42		Qualify	1
Vanadium	7440-62-2	52.4	J	52.4		Qualify	3
Zinc	7440-66-6	428	J	428		Qualify	3,4,8
Field ID Num: S9B; Lab ID Num: 711268; Sampling Date: 05/23/2007; Matrix: SOIL							
Solids (%)							
Dilution Factor: 1.0							
Solids, Percent	SRP 141	86.8		86.8			
Mercury (mg/Kg)							
Dilution Factor: 1.00							
Mercury	7439-97-6	0.026	J	0.026		Qualify	1
ICPAES Metals (mg/Kg)							
Dilution Factor: 1.00							
Aluminum	7429-90-5	4360	J	4360		Qualify	3
Antimony	7440-36-0	738	J	738		Qualify	2,3
Arsenic	7440-38-2	362	J	362		Qualify	3,7
Barium	7440-39-3	95.4	J	95.4		Qualify	3
Beryllium	7440-41-7	0.54		0.54			
Cadmium	7440-43-9	2.8		2.8			
Calcium	7440-70-2	6910	J	6910		Qualify	3
Chromium	7440-47-3	35		35			
Cobalt	7440-48-4	7.5		7.5			
Copper	7440-50-8	709	J	709		Qualify	3
Iron	7439-89-6	106000	J	106000		Qualify	3
Magnesium	7439-95-4	3020		3020			
Manganese	7439-96-5	294	J	294		Qualify	2,3
Nickel	7440-02-0	69.8		69.8			
Potassium	7440-09-7	482	JB	482		Qualify	5
Lead	7439-92-1	19600	J	19600		Qualify	3
Silver	7440-22-4	0.95		0.95			
Selenium	7782-49-2	0.24	J	0.24		Qualify	1
Vanadium	7440-62-2	72.7	J	72.7		Qualify	3
Zinc	7440-66-6	480	J	480		Qualify	3,4,8
Field ID Num: S9A; Lab ID Num: 711267; Sampling Date: 05/23/2007; Matrix: SOIL							
Solids (%)							
Dilution Factor: 1.0							
Solids, Percent	SRP 141	93.4		93.4			
Mercury (mg/Kg)							
Dilution Factor: 1.00							
Mercury	7439-97-6	0.068		0.068			

R2-0002015

Analyte	CAS Number	Laboratory Reported Conc.	Q	QA Reported Conc.	Retention Time NT Only	QA Decision	Footnotes
ICPAES Metals (mg/Kg)							
Dilution Factor: 1.00							
Aluminum	7429-90-5	6380	J	6380		Qualify	3
Antimony	7440-36-0	2.8	J	2.8		Qualify	1,2,3
Arsenic	7440-38-2	10.3	J	10.3		Qualify	3,7
Barium	7440-39-3	31.6	J	31.6		Qualify	3
Beryllium	7440-41-7	0.43		0.43			
Calcium	7440-70-2	258	J	258		Qualify	3
Chromium	7440-47-3	25.6		25.6			
Cobalt	7440-48-4	2.6	J	2.6		Qualify	1
Copper	7440-50-8	16.6	J	16.6		Qualify	3
Iron	7439-89-6	24900	J	24900		Qualify	3
Lead	7439-92-1	38.3	J	38.3		Qualify	3
Magnesium	7439-95-4	1280		1280			
Manganese	7439-96-5	64.1	J	64.1		Qualify	2,3
Nickel	7440-02-0	6.7		6.7			
Potassium	7440-09-7	1330		1330			
Sodium	7440-23-5	312	JB	312		Qualify	1,5
Vanadium	7440-62-2	37.2	J	37.2		Qualify	3
Zinc	7440-66-6	26.4	J	26.4		Qualify	3,4
Field ID Num: S8C; Lab ID Num: 711266; Sampling Date: 05/23/2007; Matrix: SOIL							
Solids (%)							
Dilution Factor: 1.0							
Solids, Percent	SRP 141	91.2		91.2			
Mercury (mg/Kg)							
Dilution Factor: 1.00							
ICPAES Metals (mg/Kg)							
Dilution Factor: 1.00							
Aluminum	7429-90-5	1680	J	1680		Qualify	3
Antimony	7440-36-0	285	J	285		Qualify	2,3
Arsenic	7440-38-2	225	J	225		Qualify	3,7
Barium	7440-39-3	15.7	J	15.7		Qualify	1,3
Beryllium	7440-41-7	0.33	J	0.33		Qualify	1
Cadmium	7440-43-9	1.1		1.1			
Calcium	7440-70-2	469	J	469		Qualify	3
Chromium	7440-47-3	21.8		21.8			
Cobalt	7440-48-4	2.8	J	2.8		Qualify	1
Copper	7440-50-8	204	J	204		Qualify	3
Iron	7439-89-6	34000	J	34000		Qualify	3
Lead	7439-92-1	4690	J	4690		Qualify	3
Magnesium	7439-95-4	517		517			
Manganese	7439-96-5	99.7	J	99.7		Qualify	2,3
Nickel	7440-02-0	17.1		17.1			
Potassium	7440-09-7	268	J	268		Qualify	1
Silver	7440-22-4	0.29	J	0.29		Qualify	1
Sodium	7440-23-5	1230		1230			
Vanadium	7440-62-2	35	J	35		Qualify	3
Zinc	7440-66-6	112	J	112		Qualify	3,4
Field ID Num: S8B; Lab ID Num: 711265; Sampling Date: 05/23/2007; Matrix: SOIL							
Solids (%)							

R2-0002016

Analyte	CAS Number	Laboratory Reported Conc.	Q	QA Reported Conc.	Retention Time NT Only	QA Decision	Footnotes
Dilution Factor: 1.0							
Solids, Percent	SRP 141	95.2		95.2			
Mercury (mg/Kg)							
Dilution Factor: 1.00							
ICPAES Metals (mg/Kg)							
Dilution Factor: 1.00							
Aluminum	7429-90-5	2490	J	2490		Qualify	3
Antimony	7440-36-0	5870	J	5870		Qualify	2,3
Arsenic	7440-38-2	521	J	521		Qualify	3,7
Barium	7440-39-3	37.5	J	37.5		Qualify	3
Beryllium	7440-41-7	0.45		0.45			
Cadmium	7440-43-9	2.9		2.9			
Calcium	7440-70-2	3910	J	3910		Qualify	3
Chromium	7440-47-3	29		29			
Cobalt	7440-48-4	4.2		4.2			
Copper	7440-50-8	332	J	332		Qualify	3
Iron	7439-89-6	42800	J	42800		Qualify	3
Magnesium	7439-95-4	805		805			
Manganese	7439-96-5	147	J	147		Qualify	2,3
Nickel	7440-02-0	21.8		21.8			
Potassium	7440-09-7	285	J	285		Qualify	1
Lead	7439-92-1	78900	J	78900		Qualify	3
Silver	7440-22-4	5.7		5.7			
Thallium	7440-28-0	1.7	J	1.7		Qualify	1
Vanadium	7440-62-2	55.2	J	55.2		Qualify	3
Zinc	7440-66-6	240	J	240		Qualify	3,4,8
Field ID Num: S8A; Lab ID Num: 711264; Sampling Date: 05/23/2007; Matrix: SOIL							
Solids (%)							
Dilution Factor: 1.0							
Solids, Percent	SRP 141	91.7		91.7			
Mercury (mg/Kg)							
Dilution Factor: 1.00							
Mercury	7439-97-6	0.017	J	0.017		Qualify	1
ICPAES Metals (mg/Kg)							
Dilution Factor: 1.00							
Aluminum	7429-90-5	3490	J	3490		Qualify	3
Antimony	7440-36-0	22.8	J	22.8		Qualify	2,3
Arsenic	7440-38-2	23.9	J	23.9		Qualify	3,7
Barium	7440-39-3	17.5	J	17.5		Qualify	3
Beryllium	7440-41-7	0.28	J	0.28		Qualify	1
Cadmium	7440-43-9	0.31	J	0.31		Qualify	1
Calcium	7440-70-2	1350	J	1350		Qualify	3
Chromium	7440-47-3	19.1		19.1			
Cobalt	7440-48-4	3.3	J	3.3		Qualify	1
Copper	7440-50-8	244	J	244		Qualify	3
Iron	7439-89-6	17400	J	17400		Qualify	3
Lead	7439-92-1	1240	J	1240		Qualify	3
Magnesium	7439-95-4	908		908			
Manganese	7439-96-5	77.9	J	77.9		Qualify	2,3
Nickel	7440-02-0	11.5		11.5			

R2-0002017

Analyte	CAS Number	Laboratory Reported Conc.	Q	QA Reported Conc.	Retention Time NT Only	QA Decision	Footnotes
Potassium	7440-09-7	433		433			
Silver	7440-22-4	0.25	J	0.25		Qualify	1
Sodium	7440-23-5	103	JB	103		Negate	6
Vanadium	7440-62-2	25.9	J	25.9		Qualify	3
Zinc	7440-66-6	54.1	J	54.1		Qualify	3,4
Field ID Num: S7B; Lab ID Num: 711263; Sampling Date: 05/23/2007; Matrix: SOIL							
Solids (%)							
Dilution Factor: 1.0							
Solids, Percent	SRP 141	87.7		87.7			
Mercury (mg/Kg)							
Dilution Factor: 1.00							
ICPAES Metals (mg/Kg)							
Dilution Factor: 1.00							
Aluminum	7429-90-5	5420	J	5420		Qualify	3
Antimony	7440-36-0	294	J	294		Qualify	2,3
Arsenic	7440-38-2	286	J	286		Qualify	3,7
Barium	7440-39-3	239	J	239		Qualify	3
Beryllium	7440-41-7	1		1			
Cadmium	7440-43-9	2		2			
Calcium	7440-70-2	2740	J	2740		Qualify	3
Chromium	7440-47-3	54.4		54.4			
Cobalt	7440-48-4	4.7		4.7			
Copper	7440-50-8	210	J	210		Qualify	3
Iron	7439-89-6	70900	J	70900		Qualify	3
Lead	7439-92-1	16800	J	16800		Qualify	3
Magnesium	7439-95-4	918		918			
Manganese	7439-96-5	542	J	542		Qualify	2,3
Nickel	7440-02-0	29.5		29.5			
Potassium	7440-09-7	565		565			
Silver	7440-22-4	0.4	J	0.4		Qualify	1
Thallium	7440-28-0	0.89	J	0.89		Qualify	1
Vanadium	7440-62-2	103	J	103		Qualify	3
Zinc	7440-66-6	683	J	683		Qualify	3,4
Field ID Num: S7A; Lab ID Num: 711262; Sampling Date: 05/23/2007; Matrix: SOIL							
Solids (%)							
Dilution Factor: 1.0							
Solids, Percent	SRP 141	96.3		96.3			
Mercury (mg/Kg)							
Dilution Factor: 1.00							
Mercury	7439-97-6	0.13		0.13			
ICPAES Metals (mg/Kg)							
Dilution Factor: 1.00							
Aluminum	7429-90-5	6780	J	6780		Qualify	3
Antimony	7440-36-0	1.5	J	1.5		Qualify	1,2,3
Arsenic	7440-38-2	7.3	J	7.3		Qualify	3,7
Barium	7440-39-3	41.5	J	41.5		Qualify	3
Beryllium	7440-41-7	0.45		0.45			
Cadmium	7440-43-9	0.17	J	0.17		Qualify	1
Calcium	7440-70-2	770	J	770		Qualify	3
Chromium	7440-47-3	19.2		19.2			

R2-0002018

Analyte	CAS Number	Laboratory Reported Conc.	Q	QA Reported Conc.	Retention Time NT Only	QA Decision	Footnotes
Cobalt	7440-48-4	4		4			
Copper	7440-50-8	19.4	J	19.4		Qualify	3
Iron	7439-89-6	16900	J	16900		Qualify	3
Lead	7439-92-1	83.6	J	83.6		Qualify	3
Magnesium	7439-95-4	1510		1510			
Manganese	7439-96-5	108	J	108		Qualify	2,3
Nickel	7440-02-0	8.8		8.8			
Potassium	7440-09-7	1080		1080			
Sodium	7440-23-5	251	J	251		Qualify	1
Vanadium	7440-62-2	30.5	J	30.5		Qualify	3
Zinc	7440-66-6	35.3	J	35.3		Qualify	3,4
Field ID Num: S6C; Lab ID Num: 711261; Sampling Date: 05/23/2007; Matrix: SOIL							
Solids (%)							
Dilution Factor: 1.0							
Solids, Percent	SRP 141	92.3		92.3			
Mercury (mg/Kg)							
Dilution Factor: 1.00							
Mercury	7439-97-6	0.022	J	0.022		Qualify	1
ICPAES Metals (mg/Kg)							
Dilution Factor: 1.00							
Aluminum	7429-90-5	2500	J	2500		Qualify	3
Antimony	7440-36-0	331	J	331		Qualify	2,3
Arsenic	7440-38-2	123	J	123		Qualify	3,7
Barium	7440-39-3	14.2	J	14.2		Qualify	1,3
Beryllium	7440-41-7	0.46		0.46			
Cadmium	7440-43-9	0.49		0.49			
Calcium	7440-70-2	576	J	576		Qualify	3
Chromium	7440-47-3	29.3		29.3			
Cobalt	7440-48-4	2.8	J	2.8		Qualify	1
Copper	7440-50-8	117	J	117		Qualify	3
Iron	7439-89-6	44700	J	44700		Qualify	3
Lead	7439-92-1	8300	J	8300		Qualify	3
Magnesium	7439-95-4	702		702			
Manganese	7439-96-5	101	J	101		Qualify	2,3
Nickel	7440-02-0	17.2		17.2			
Potassium	7440-09-7	492		492			
Silver	7440-22-4	0.24	J	0.24		Qualify	1
Sodium	7440-23-5	1700		1700			
Vanadium	7440-62-2	62.6	J	62.6		Qualify	3
Zinc	7440-66-6	90.7	J	90.7		Qualify	3,4
Field ID Num: S6B; Lab ID Num: 711260; Sampling Date: 05/23/2007; Matrix: SOIL							
Solids (%)							
Dilution Factor: 1.0							
Solids, Percent	SRP 141	82.6		82.6			
Mercury (mg/Kg)							
Dilution Factor: 1.00							
Mercury	7439-97-6	0.02	J	0.02		Qualify	1
ICPAES Metals (mg/Kg)							
Dilution Factor: 1.00							
Aluminum	7429-90-5	3430	J	3430		Qualify	3

R2-0002019

Analyte	CAS Number	Laboratory Reported Conc.	Q	QA Reported Conc.	Retention Time NT Only	QA Decision	Footnotes
Antimony	7440-36-0	246	J	246		Qualify	2,3
Arsenic	7440-38-2	205	J	205		Qualify	3,7
Barium	7440-39-3	64	J	64		Qualify	3
Beryllium	7440-41-7	0.58		0.58			
Cadmium	7440-43-9	6.8		6.8			
Calcium	7440-70-2	8290	J	8290		Qualify	3
Chromium	7440-47-3	46.8		46.8			
Cobalt	7440-48-4	4.4	J	4.4		Qualify	1
Copper	7440-50-8	411	J	411		Qualify	3
Iron	7439-89-6	62900	J	62900		Qualify	3
Lead	7439-92-1	12800	J	12800		Qualify	3
Magnesium	7439-95-4	833		833			
Manganese	7439-96-5	171	J	171		Qualify	2,3
Nickel	7440-02-0	23.8		23.8			
Potassium	7440-09-7	410	J	410		Qualify	1
Silver	7440-22-4	0.62	J	0.62		Qualify	1
Thallium	7440-28-0	0.79	J	0.79		Qualify	1
Vanadium	7440-62-2	75.1	J	75.1		Qualify	3
Zinc	7440-66-6	234	J	234		Qualify	3,4,8
Field ID Num: S6A; Lab ID Num: 711259; Sampling Date: 05/23/2007; Matrix: SOIL							
Solids (%)							
Dilution Factor: 1.0							
Solids, Percent	SRP 141	93.3		93.3			
Mercury (mg/Kg)							
Dilution Factor: 1.00							
Mercury	7439-97-6	0.048	J	0.048		Qualify	1
ICPAES Metals (mg/Kg)							
Dilution Factor: 1.00							
Aluminum	7429-90-5	4850	J	4850		Qualify	3
Antimony	7440-36-0	4.8	J	4.8		Qualify	1,2,3
Arsenic	7440-38-2	9.7	J	9.7		Qualify	3,7
Barium	7440-39-3	21.5	J	21.5		Qualify	3
Beryllium	7440-41-7	0.38	J	0.38		Qualify	1
Cadmium	7440-43-9	0.76		0.76			
Calcium	7440-70-2	1100	J	1100		Qualify	3
Chromium	7440-47-3	13.2		13.2			
Cobalt	7440-48-4	2.5	J	2.5		Qualify	1
Copper	7440-50-8	39.4	J	39.4		Qualify	3
Iron	7439-89-6	15500	J	15500		Qualify	3
Lead	7439-92-1	962	J	962		Qualify	3
Magnesium	7439-95-4	1330		1330			
Manganese	7439-96-5	71.4	J	71.4		Qualify	2,3
Nickel	7440-02-0	8		8			
Potassium	7440-09-7	682		682			
Silver	7440-22-4	0.16	J	0.16		Qualify	1
Sodium	7440-23-5	126	JB	126		Negate	6
Vanadium	7440-62-2	25.5	J	25.5		Qualify	3
Zinc	7440-66-6	79.7	J	79.7		Qualify	3,4
Field ID Num: S5C; Lab ID Num: 711258; Sampling Date: 05/23/2007; Matrix: SOIL							
Solids (%)							

R2-0002020

Project Name: 32950000
SDG: 120128
Project Number: 32950000

Laboratory Name: STL-Burlington
Laboratory Location: Colchester, VT

Analyte	CAS Number	Laboratory Reported Conc.	Q	QA Reported Conc.	Retention Time NT Only	QA Decision	Footnotes
Dilution Factor: 1.0							
Solids, Percent	SRP 141	85.3		85.3			
Mercury (mg/Kg)							
Dilution Factor: 1.00							
ICPAES Metals (mg/Kg)							
Dilution Factor: 1.00							
Aluminum	7429-90-5	2810	J	2810		Qualify	3
Antimony	7440-36-0	94.1	J	94.1		Qualify	2,3
Arsenic	7440-38-2	61.3	J	61.3		Qualify	3,7
Barium	7440-39-3	16.9	J	16.9		Qualify	1,2,3
Beryllium	7440-41-7	0.51		0.51			
Cadmium	7440-43-9	0.8		0.8			
Calcium	7440-70-2	808	J	808		Qualify	3
Chromium	7440-47-3	50.2		50.2			
Cobalt	7440-48-4	3.3	J	3.3		Qualify	1
Copper	7440-50-8	147	J	147		Qualify	3
Iron	7439-89-6	60500	J	60500		Qualify	3
Lead	7439-92-1	3470	J	3470		Qualify	3
Magnesium	7439-95-4	806		806			
Manganese	7439-96-5	107	J	107		Qualify	2,3
Nickel	7440-02-0	17.5		17.5			
Potassium	7440-09-7	385	J	385		Qualify	1
Silver	7440-22-4	0.21	J	0.21		Qualify	1
Sodium	7440-23-5	1900		1900			
Vanadium	7440-62-2	58.7	J	58.7		Qualify	3
Zinc	7440-66-6	105	J	105		Qualify	3,4
Field ID Num: S5A; Lab ID Num: 711257; Sampling Date: 05/23/2007; Matrix: SOIL							
Solids (%)							
Dilution Factor: 1.0							
Solids, Percent	SRP 141	85.7		85.7			
Mercury (mg/Kg)							
Dilution Factor: 1.00							
Mercury	7439-97-6	0.037	J	0.037		Qualify	1
ICPAES Metals (mg/Kg)							
Dilution Factor: 1.00							
Aluminum	7429-90-5	5930	J	5930		Qualify	3
Antimony	7440-36-0	3.3	J	3.3		Qualify	1,2,3
Arsenic	7440-38-2	7.7	J	7.7		Qualify	3,7
Barium	7440-39-3	28.7	J	28.7		Qualify	3
Beryllium	7440-41-7	0.38	J	0.38		Qualify	1
Cadmium	7440-43-9	0.12	J	0.12		Qualify	1
Calcium	7440-70-2	657	J	657		Qualify	3
Chromium	7440-47-3	14.3		14.3			
Cobalt	7440-48-4	3.3	J	3.3		Qualify	1
Copper	7440-50-8	21.4	J	21.4		Qualify	3
Iron	7439-89-6	15600	J	15600		Qualify	3
Lead	7439-92-1	182	J	182		Qualify	3
Magnesium	7439-95-4	1230		1230			
Manganese	7439-96-5	141	J	141		Qualify	2,3
Nickel	7440-02-0	6.4		6.4			

R2-0002021

Analyte	CAS Number	Laboratory Reported Conc.	Q	QA Reported Conc.	Retention Time NT Only	QA Decision	Footnotes
Potassium	7440-09-7	886		886			
Sodium	7440-23-5	975		975			
Vanadium	7440-62-2	25.6	J	25.6		Qualify	3
Zinc	7440-66-6	37.2	J	37.2		Qualify	3,4
Field ID Num: S13; Lab ID Num: 711256; Sampling Date: 05/23/2007; Matrix: SOIL							
Solids (%)							
Dilution Factor: 1.0							
Solids, Percent	SRP 141	87		87			
Mercury (mg/Kg)							
Dilution Factor: 1.00							
ICPAES Metals (mg/Kg)							
Dilution Factor: 1.00							
Aluminum	7429-90-5	2350	J	2350		Qualify	3
Antimony	7440-36-0	29.3	J	29.3		Qualify	2,3
Arsenic	7440-38-2	18.4	J	18.4		Qualify	3,7
Barium	7440-39-3	31.1	J	31.1		Qualify	3
Beryllium	7440-41-7	0.15	J	0.15		Qualify	1
Cadmium	7440-43-9	0.64		0.64			
Calcium	7440-70-2	100	JB	100		Qualify	1,3,5
Chromium	7440-47-3	8.2		8.2			
Cobalt	7440-48-4	0.69	J	0.69		Qualify	1
Copper	7440-50-8	47.1	J	47.1		Qualify	3
Iron	7439-89-6	5190	J	5190		Qualify	3
Lead	7439-92-1	3740	J	3740		Qualify	3
Magnesium	7439-95-4	80.3	J	80.3		Qualify	1
Manganese	7439-96-5	19.9	J	19.9		Qualify	2,3
Nickel	7440-02-0	2.5	J	2.5		Qualify	1
Potassium	7440-09-7	395	J	395		Qualify	1
Selenium	7782-49-2	0.26	J	0.26		Qualify	1
Vanadium	7440-62-2	19.2	JB	19.2		Qualify	3
Zinc	7440-66-6	16	JB	16		Qualify	3,4,5

R2-0002022

FOOTNOTES

1. The reported concentration is quantitatively qualified because it is above the Method Detection Level (MDL) but below the Contract Required Quantitation Limit (CRQL).

2. The reported concentration is quantitatively qualified and may be biased low or the detection limit for the nondetected result may be estimated because the %recovery for the sample spike analysis was below the QA/QC limits of 75-125%.

3. The reported concentration is quantitatively qualified because the Relative %Difference between the sample and sample duplicate results was greater than 20%.

4. The reported concentration is quantitatively qualified because the %Difference between the sample result and the Sample Serial Dilution result for this analyte was greater than 10%.

5. The reported concentration in the sample is greater than 3X the value in the method/preparation blank and is considered "real". However, the reported value must be quantitatively qualified "J" due to method/preparation blank contamination. The "B" qualifier alerts the end-user to the presence of this analyte in the method/preparation blank.

6. The reported concentration in the sample is less than 3 X the value in the method/preparation blank. It is the policy of ODQ to negate the reported value due to probable contamination unrelated to the actual sample.

7. The reported concentration is quantitatively qualified and may be biased high because the %recovery for the sample spike analysis was above the QA/QC limits of 75-125%.

8. The reported concentration of this analyte is taken from a dilution analysis. The concentration is above the MDL but below the elevated CRQL.

9. The non detected result for this analyte is suspect because the sample was diluted too extensively.

S1B
S1C
S1A
S2B
S2A
S13
S12
S3C
S3B
S3A
S4C
S4B
S4A
S5C
S5B
S5A
S6C
S6B
S6A
S7B
S7A
S8C
S8B
S8A
S9C
S9B
S9A
S14
S15
S16
S17 DUP3
S18
S19
S20

Appendix D

NJDEP July 2007 Sampling Results

State of New Jersey

JON S. CORZINE
Governor

DEPARTMENT OF ENVIRONMENTAL PROTECTION
SITE REMEDIATION AND WASTE MANAGEMENT PROGRAM
DIVISION OF REMEDIATION SUPPORT
BUREAU OF ENVIRONMENTAL MEASUREMENTS AND SITE ASSESSMENT
P.O. BOX 407
TRENTON, NEW JERSEY 08625-0407

LISA P. JACKSON
Commissioner

Memorandum

To: Fred Mumford, Case Manager
Remedial Response Element

AUG 6 2007

From: Jerry R. Schoenleber, Section Chief JRS
Environmental Measurements Section

Subject: Margaret's Creek Lead Contamination – A4639300
Soil Sampling – July 24, 2007

At your request the Environmental Measurements Section conducted surface soil sampling at the Old Bridge Waterfront Walkway at Laurence Harbor on July 24th, 2007. This event constitutes the second round of sampling, the first being conducted in May of this year. Soil associated with the seawall analyzed during the first event revealed elevated levels of lead, antimony and arsenic. This prompted a second round of surface soil sampling to further investigate the expanse associated with the park where exposure to walkway users would most likely occur. Thirty-one locations were chosen over the park area including an expanse of beach east of the footbridge over Margaret's Creek. The attached maps depict sample locations that were fixed using global positioning satellites. All samples were collected from the 0-6 inch depth interval using dedicated decontaminated stainless steel trowels.

As a precautionary measure, a radiation meter (Micro R/Model 19 w/ Gamma probe) was used to scan the crucible slag waste material along the seawall between S29 and S30 and again at locations S34 and S35. Reading never went above the background measurement of 5-6 mR/hr. Based on these observations, it may be assumed that the crucible slag presents no immediate radiological concerns.

Samples were shipped to Test America in Burlington, Vermont for trace metals analysis per state contract A57425 line item #50. Results should be available on or about August 26th. If you have any questions regarding sample collection or the status of samples analysis please contact the writer @ 588-3104.

C: Ed Putnam, Assistant Director, RRE, w/attachments
William Lowry, Chief, BEMSA
Chron

R2-0002026

State of New Jersey

Department of Environmental Protection

Jon S. Corzine
Governor

Lisa P. Jackson
Commissioner

MEMORANDUM

TO: Kevin Schick, Bureau Chief
Bureau of Environmental Evaluation and Risk Assessment

THROUGH: Greg Toffoli, Section Chief GT 9/4/07
Office of Data Quality
Hazardous Site Science Element

SEP 04 2007

FROM: Carol Pillsbury CP 9/4/07
Office of Data Quality
Hazardous Site Science Element

SUBJECT: Quality Assurance Review –**Margaret Creek Lead Contamination (SDG 121058)** Site. STL Burlington, Colchester, VT analyzed sixteen nonaqueous samples for TAL Metals according to USEPA CLP SOW ILM05.3.

Field ID	Laboratory ID	Sample Date	Matrix
S37	718739	07/24/2007	NONAQUEOUS
S38	718740	07/24/2007	NONAQUEOUS
S39	718741	07/24/2007	NONAQUEOUS
S40	718742	07/24/2007	NONAQUEOUS
S41	718743	07/24/2007	NONAQUEOUS
S42	718744	07/24/2007	NONAQUEOUS
S43	718745	07/24/2007	NONAQUEOUS
S44	718746	07/24/2007	NONAQUEOUS
S45	718747	07/24/2007	NONAQUEOUS
S46	718748	07/24/2007	NONAQUEOUS
S47	718749	07/24/2007	NONAQUEOUS
S48	718750	07/24/2007	NONAQUEOUS
S49	718751	07/24/2007	NONAQUEOUS
S50	718752	07/24/2007	NONAQUEOUS
S51	718753	07/24/2007	NONAQUEOUS
S52	718754	07/24/2007	NONAQUEOUS

The Office of Data Quality, Hazardous Site Science Element, Division of Remediation Management and Response has reviewed the above listed nonaqueous samples according to Full CLP Deliverable Requirements as specified in the Technical Requirements for Site Remediation, N.J.A.C. 7:26E. A Target Analyte Summary List is provided for your convenience. Specific comments are provided below:

R2-0002027

Metals

The metals data are acceptable with the qualifications resulting from QA/QC outliers in the following analyses: sample spike, sample duplicate, serial dilution, negative drifting and preparation blank.

Should you have any questions regarding this review, please contact this office at 633-0752.

C. Ed Putnam, RPDE
Jerry Schoenleber, EMS
Mindy Mumford, OCR

Project Name: A4639300
SDG: 121058
Project Number: A4639300

Laboratory Name: STL-Burlington
Laboratory Location: Colchester, VT

Analyte	CAS Number	Laboratory Reported Conc.	Q	QA Reported Conc.	Retention Time NT Only	QA Decision	Footnotes
Field ID Num: S52; Lab ID Num: 718754; Sampling Date: 07/24/2007; Matrix: SOIL							
Solids (%)							
Dilution Factor: 1.0							
Solids, Percent	SRP 141	86.9		86.9			
ICPAES Metals (mg/Kg)							
Dilution Factor: 1.00							
Aluminum	7429-90-5	4820		4820			
Antimony	7440-36-0	5.3	UJ	5.3		Qualify	4
Arsenic	7440-38-2	6.3		6.3			
Barium	7440-39-3	18.8		18.8			
Beryllium	7440-41-7	0.24	J	0.24		Qualify	1
Cadmium	7440-43-9	0.2	J	0.2		Qualify	1
Calcium	7440-70-2	507		507			
Chromium	7440-47-3	11.5		11.5			
Cobalt	7440-48-4	1.4	J	1.4		Qualify	1
Copper	7440-50-8	10		10			
Iron	7439-89-6	11400	J	11400		Qualify	5
Magnesium	7439-95-4	579		579			
Manganese	7439-96-5	74.6		74.6			
Nickel	7440-02-0	4.4		4.4			
Potassium	7440-09-7	710		710			
Selenium	7782-49-2	3.1	UJ	3.1		Qualify	2
Lead	7439-92-1	25.1	J	25.1		Qualify	5
Vanadium	7440-62-2	24.9		24.9			
Zinc	7440-66-6	23.6	J	23.6		Qualify	6
Field ID Num: S51; Lab ID Num: 718753; Sampling Date: 07/24/2007; Matrix: SOIL							
Solids (%)							
Dilution Factor: 1.0							
Solids, Percent	SRP 141	92		92			
ICPAES Metals (mg/Kg)							
Dilution Factor: 1.00							
Aluminum	7429-90-5	7170		7170			
Antimony	7440-36-0	5	UJ	5		Qualify	4
Arsenic	7440-38-2	9		9			
Barium	7440-39-3	34.4		34.4			
Beryllium	7440-41-7	0.42		0.42			
Cadmium	7440-43-9	0.28	J	0.28		Qualify	1
Calcium	7440-70-2	669		669			
Chromium	7440-47-3	24.5		24.5			
Cobalt	7440-48-4	3.6	J	3.6		Qualify	1
Copper	7440-50-8	27.3		27.3			
Iron	7439-89-6	23100	J	23100		Qualify	5
Magnesium	7439-95-4	1370		1370			
Manganese	7439-96-5	85.4		85.4			
Nickel	7440-02-0	9.5		9.5			
Potassium	7440-09-7	1120		1120			
Selenium	7782-49-2	2.9	UJ	2.9		Qualify	2
Lead	7439-92-1	40.1	J	40.1		Qualify	5
Sodium	7440-23-5	73.3	J	73.3		Qualify	1
Thallium	7440-28-0	0.55	J	0.55		Qualify	1
Vanadium	7440-62-2	35.7		35.7			
Zinc	7440-66-6	32.3	J	32.3		Qualify	6

R2-0002029

Project Name: A4639300
SDG: 121058
Project Number: A4639300

Laboratory Name: STL-Burlington
Laboratory Location: Colchester, VT

Analyte	CAS Number	Laboratory Reported Conc.	Q	QA Reported Conc.	Retention Time NT Only	QA Decision	Footnotes
Field ID Num: S50; Lab ID Num: 718752; Sampling Date: 07/24/2007; Matrix: SOIL							
Solids (%)							
Dilution Factor: 1.0							
Solids, Percent	SRP 141	90.4		90.4			
ICPAES Metals (mg/Kg)							
Dilution Factor: 1.00							
Aluminum	7429-90-5	2470		2470			
Antimony	7440-36-0	5	UJ	5		Qualify	4
Arsenic	7440-38-2	10.2		10.2			
Barium	7440-39-3	6.9	J	6.9		Qualify	1
Beryllium	7440-41-7	0.21	J	0.21		Qualify	1
Cadmium	7440-43-9	0.37	J	0.37		Qualify	1
Calcium	7440-70-2	64.2	J	64.2		Qualify	1
Chromium	7440-47-3	20.8		20.8			
Cobalt	7440-48-4	0.73	J	0.73		Qualify	1
Copper	7440-50-8	31.8		31.8			
Iron	7439-89-6	42000	J	42000		Qualify	5
Magnesium	7439-95-4	213	J	213		Qualify	1
Manganese	7439-96-5	30.3		30.3			
Nickel	7440-02-0	3.8		3.8			
Potassium	7440-09-7	332	J	332		Qualify	1
Selenium	7782-49-2	2.9	UJ	2.9		Qualify	2
Lead	7439-92-1	24.8	J	24.8		Qualify	5
Thallium	7440-28-0	0.41	J	0.41		Qualify	1
Vanadium	7440-62-2	38.1		38.1			
Zinc	7440-66-6	33	J	33		Qualify	6
Field ID Num: S49; Lab ID Num: 718751; Sampling Date: 07/24/2007; Matrix: SOIL							
Solids (%)							
Dilution Factor: 1.0							
Solids, Percent	SRP 141	95.1		95.1			
ICPAES Metals (mg/Kg)							
Dilution Factor: 1.00							
Aluminum	7429-90-5	443		443			
Antimony	7440-36-0	4.8	UJ	4.8		Qualify	4
Arsenic	7440-38-2	2.3		2.3			
Barium	7440-39-3	2.2	J	2.2		Qualify	1
Beryllium	7440-41-7	0.094	J	0.094		Qualify	1
Calcium	7440-70-2	468		468			
Chromium	7440-47-3	5		5			
Cobalt	7440-48-4	0.26	J	0.26		Qualify	1
Copper	7440-50-8	3.7		3.7			
Iron	7439-89-6	3870	J	3870		Qualify	5
Magnesium	7439-95-4	150	J	150		Qualify	1
Manganese	7439-96-5	30.2		30.2			
Nickel	7440-02-0	0.82	J	0.82		Qualify	1
Potassium	7440-09-7	81.4	J	81.4		Qualify	1
Selenium	7782-49-2	2.8	UJ	2.8		Qualify	2
Lead	7439-92-1	4.1	J	4.1		Qualify	5
Sodium	7440-23-5	388	J	388		Qualify	1
Vanadium	7440-62-2	6.5		6.5			
Zinc	7440-66-6	10.7	J	10.7		Qualify	6
Field ID Num: S48; Lab ID Num: 718750; Sampling Date: 07/24/2007; Matrix: SOIL							

R2-0002030

Project Name: A4639300
SDG: 121058
Project Number: A4639300

Laboratory Name: STL-Burlington
Laboratory Location: Colchester, VT

Analyte	CAS Number	Laboratory Reported Conc.	Q	QA Reported Conc.	Retention Time NT Only	QA Decision	Footnotes
Solids (%)							
Dilution Factor: 1.0							
Solids, Percent	SRP 141	97.8		97.8			
ICPAES Metals (mg/Kg)							
Dilution Factor: 1.00							
Aluminum	7429-90-5	238		238			
Antimony	7440-36-0	4.7	UJ	4.7		Qualify	4
Arsenic	7440-38-2	1.3		1.3			
Barium	7440-39-3	1.1	J	1.1		Qualify	1
Beryllium	7440-41-7	0.063	J	0.063		Qualify	1
Calcium	7440-70-2	42.8	JB	42.8		Qualify	1,3
Chromium	7440-47-3	2.8		2.8			
Copper	7440-50-8	1	J	1		Qualify	1
Iron	7439-89-6	2600	J	2600		Qualify	5
Magnesium	7439-95-4	39	J	39		Qualify	1
Manganese	7439-96-5	16.8		16.8			
Nickel	7440-02-0	0.52	J	0.52		Qualify	1
Potassium	7440-09-7	42.6	J	42.6		Qualify	1
Selenium	7782-49-2	2.8	UJ	2.8		Qualify	2
Lead	7439-92-1	3.1	J	3.1		Qualify	5
Vanadium	7440-62-2	4.2		4.2			
Zinc	7440-66-6	7.2	J	7.2		Qualify	6
Field ID Num: S47; Lab ID Num: 718749; Sampling Date: 07/24/2007; Matrix: SOIL							
Solids (%)							
Dilution Factor: 1.0							
Solids, Percent	SRP 141	92.4		92.4			
ICPAES Metals (mg/Kg)							
Dilution Factor: 1.00							
Aluminum	7429-90-5	1360		1360			
Antimony	7440-36-0	5	UJ	5		Qualify	4
Arsenic	7440-38-2	8.7		8.7			
Barium	7440-39-3	1.8	J	1.8		Qualify	1
Beryllium	7440-41-7	0.22	J	0.22		Qualify	1
Cadmium	7440-43-9	0.38	J	0.38		Qualify	1
Calcium	7440-70-2	573		573			
Chromium	7440-47-3	11.7		11.7			
Cobalt	7440-48-4	1.6	J	1.6		Qualify	1
Copper	7440-50-8	3.9		3.9			
Iron	7439-89-6	32800	J	32800		Qualify	5
Magnesium	7439-95-4	392	J	392		Qualify	1
Manganese	7439-96-5	66		66			
Nickel	7440-02-0	4.2		4.2			
Potassium	7440-09-7	166	J	166		Qualify	1
Selenium	7782-49-2	2.9	UJ	2.9		Qualify	2
Lead	7439-92-1	6.5	J	6.5		Qualify	5
Sodium	7440-23-5	867		867			
Vanadium	7440-62-2	29.3		29.3			
Zinc	7440-66-6	34.4	J	34.4		Qualify	6
Field ID Num: S46; Lab ID Num: 718748; Sampling Date: 07/24/2007; Matrix: SOIL							
Solids (%)							
Dilution Factor: 1.0							
Solids, Percent	SRP 141	82.7		82.7			

R2-0002031

Project Name: A4639300
SDG: 121058
Project Number: A4639300

Laboratory Name: STL-Burlington
Laboratory Location: Colchester, VT

Analyte	CAS Number	Laboratory Reported Conc.	Q	QA Reported Conc.	Retention Time NT Only	QA Decision	Footnotes
ICPAES Metals (mg/Kg)							
Dilution Factor: 1.00							
Aluminum	7429-90-5	892		892			
Antimony	7440-36-0	5.5	UJ	5.5		Qualify	4
Arsenic	7440-38-2	4.7		4.7			
Barium	7440-39-3	6.2	J	6.2		Qualify	1
Beryllium	7440-41-7	0.089	J	0.089		Qualify	1
Cadmium	7440-43-9	0.061	J	0.061		Qualify	1
Calcium	7440-70-2	284	J	284		Qualify	1
Chromium	7440-47-3	3.7		3.7			
Cobalt	7440-48-4	0.29	J	0.29		Qualify	1
Copper	7440-50-8	7.5		7.5			
Iron	7439-89-6	4510	J	4510		Qualify	5
Magnesium	7439-95-4	82.1	J	82.1		Qualify	1
Manganese	7439-96-5	7.2		7.2			
Nickel	7440-02-0	1.7	J	1.7		Qualify	1
Potassium	7440-09-7	166	J	166		Qualify	1
Selenium	7782-49-2	3.2	UJ	3.2		Qualify	2
Lead	7439-92-1	36.2	J	36.2		Qualify	5
Vanadium	7440-62-2	8.2		8.2			
Zinc	7440-66-6	8.1	J	8.1		Qualify	6
Field ID Num: S45; Lab ID Num: 718747; Sampling Date: 07/24/2007; Matrix: SOIL							
Solids (%)							
Dilution Factor: 1.0							
Solids, Percent	SRP 141	87		87			
ICPAES Metals (mg/Kg)							
Dilution Factor: 1.00							
Aluminum	7429-90-5	1400		1400			
Antimony	7440-36-0	0.42	J	0.42		Qualify	1,4
Arsenic	7440-38-2	7.3		7.3			
Barium	7440-39-3	4.5	J	4.5		Qualify	1
Beryllium	7440-41-7	0.16	J	0.16		Qualify	1
Cadmium	7440-43-9	0.34	J	0.34		Qualify	1
Calcium	7440-70-2	434	J	434		Qualify	1
Chromium	7440-47-3	21.5		21.5			
Cobalt	7440-48-4	2.5	J	2.5		Qualify	1
Copper	7440-50-8	26.2		26.2			
Iron	7439-89-6	26600	J	26600		Qualify	5
Lead	7439-92-1	63.8	J	63.8		Qualify	5
Magnesium	7439-95-4	334	J	334		Qualify	1
Manganese	7439-96-5	56.9		56.9			
Nickel	7440-02-0	5.2		5.2			
Potassium	7440-09-7	188	J	188		Qualify	1
Selenium	7782-49-2	3.1	UJ	3.1		Qualify	2
Sodium	7440-23-5	164	J	164		Qualify	1
Vanadium	7440-62-2	26.2		26.2			
Zinc	7440-66-6	36.4	J	36.4		Qualify	6
Field ID Num: S44; Lab ID Num: 718746; Sampling Date: 07/24/2007; Matrix: SOIL							
Solids (%)							
Dilution Factor: 1.0							
Solids, Percent	SRP 141	82.6		82.6			
ICPAES Metals (mg/Kg)							

R2-0002032

Project Name: A4639300
SDG: 121058
Project Number: A4639300

Laboratory Name: STL-Burlington
Laboratory Location: Colchester, VT

Analyte	CAS Number	Laboratory Reported Conc.	Q	QA Reported Conc.	Retention Time NT Only	QA Decision	Footnotes
Dilution Factor: 1.00							
Aluminum	7429-90-5	3540		3540			
Antimony	7440-36-0	5.5	UJ	5.5		Qualify	4
Arsenic	7440-38-2	4.6		4.6			
Barium	7440-39-3	14.5	J	14.5		Qualify	1
Beryllium	7440-41-7	0.17	J	0.17		Qualify	1
Cadmium	7440-43-9	0.12	J	0.12		Qualify	1
Calcium	7440-70-2	736		736			
Chromium	7440-47-3	7.8		7.8			
Cobalt	7440-48-4	1	J	1		Qualify	1
Copper	7440-50-8	9		9			
Iron	7439-89-6	9720	J	9720		Qualify	5
Lead	7439-92-1	24.1	J	24.1		Qualify	5
Magnesium	7439-95-4	455	J	455		Qualify	1
Manganese	7439-96-5	54.8		54.8			
Nickel	7440-02-0	3	J	3		Qualify	1
Potassium	7440-09-7	418	J	418		Qualify	1
Selenium	7782-49-2	3.2	UJ	3.2		Qualify	2
Vanadium	7440-62-2	16.6		16.6			
Zinc	7440-66-6	19.9	J	19.9		Qualify	6
Field ID Num: S43; Lab ID Num: 718745; Sampling Date: 07/24/2007; Matrix: SOIL							
Solids (%)							
Dilution Factor: 1.0							
Solids, Percent	SRP 141	69.3		69.3			
ICPAES Metals (mg/Kg)							
Dilution Factor: 1.00							
Aluminum	7429-90-5	5990		5990			
Antimony	7440-36-0	6.7	UJ	6.7		Qualify	4
Arsenic	7440-38-2	3.7		3.7			
Barium	7440-39-3	38.6		38.6			
Beryllium	7440-41-7	0.27	J	0.27		Qualify	1
Cadmium	7440-43-9	0.27	J	0.27		Qualify	1
Calcium	7440-70-2	12700		12700			
Chromium	7440-47-3	17.5		17.5			
Cobalt	7440-48-4	1.7	J	1.7		Qualify	1
Copper	7440-50-8	27.5		27.5			
Iron	7439-89-6	8850	J	8850		Qualify	5
Lead	7439-92-1	34	J	34		Qualify	5
Magnesium	7439-95-4	924		924			
Manganese	7439-96-5	120		120			
Nickel	7440-02-0	6.5		6.5			
Potassium	7440-09-7	729		729			
Selenium	7782-49-2	3.9	UJ	3.9		Qualify	2
Silver	7440-22-4	0.5	J	0.5		Qualify	1
Vanadium	7440-62-2	18.1		18.1			
Zinc	7440-66-6	50.7	J	50.7		Qualify	6
Field ID Num: S42; Lab ID Num: 718744; Sampling Date: 07/24/2007; Matrix: SOIL							
Solids (%)							
Dilution Factor: 1.0							
Solids, Percent	SRP 141	85.2		85.2			
ICPAES Metals (mg/Kg)							
Dilution Factor: 1.00							

R2-0002033

Project Name: A4639300
SDG: 121058
Project Number: A4639300

Laboratory Name: STL-Burlington
Laboratory Location: Colchester, VT

Analyte	CAS Number	Laboratory Reported Conc.	Q	QA Reported Conc.	Retention Time NT Only	QA Decision	Footnotes
Aluminum	7429-90-5	1910		1910			
Antimony	7440-36-0	5.3	UJ	5.3		Qualify	4
Arsenic	7440-38-2	2.8		2.8			
Barium	7440-39-3	10.7	J	10.7		Qualify	1
Beryllium	7440-41-7	0.1	J	0.1		Qualify	1
Cadmium	7440-43-9	0.13	J	0.13		Qualify	1
Calcium	7440-70-2	378	J	378		Qualify	1
Chromium	7440-47-3	6.9		6.9			
Cobalt	7440-48-4	0.37	J	0.37		Qualify	1
Copper	7440-50-8	8.2		8.2			
Iron	7439-89-6	16500	J	16500		Qualify	5
Lead	7439-92-1	22.7	J	22.7		Qualify	5
Magnesium	7439-95-4	196	J	196		Qualify	1
Manganese	7439-96-5	20.9		20.9			
Nickel	7440-02-0	1.8	J	1.8		Qualify	1
Potassium	7440-09-7	200	J	200		Qualify	1
Selenium	7782-49-2	3.1	UJ	3.1		Qualify	2
Vanadium	7440-62-2	14.5		14.5			
Zinc	7440-66-6	22.9	J	22.9		Qualify	6
Field ID Num: S41; Lab ID Num: 718743; Sampling Date: 07/24/2007; Matrix: SOIL							
Solids (%)							
Dilution Factor: 1.0							
Solids, Percent	SRP 141	62.2		62.2			
ICPAES Metals (mg/Kg)							
Dilution Factor: 1.00							
Aluminum	7429-90-5	8390		8390			
Antimony	7440-36-0	7.3	UJ	7.3		Qualify	4
Arsenic	7440-38-2	3.5		3.5			
Barium	7440-39-3	50.8		50.8			
Beryllium	7440-41-7	0.33	J	0.33		Qualify	1
Cadmium	7440-43-9	0.29	J	0.29		Qualify	1
Calcium	7440-70-2	5360		5360			
Chromium	7440-47-3	23.3		23.3			
Cobalt	7440-48-4	3.3	J	3.3		Qualify	1
Copper	7440-50-8	39.7		39.7			
Iron	7439-89-6	14400	J	14400		Qualify	5
Lead	7439-92-1	33.9	J	33.9		Qualify	5
Magnesium	7439-95-4	1620		1620			
Manganese	7439-96-5	213		213			
Nickel	7440-02-0	9.9		9.9			
Potassium	7440-09-7	920		920			
Selenium	7782-49-2	4.3	UJ	4.3		Qualify	2
Silver	7440-22-4	0.5	J	0.5		Qualify	1
Sodium	7440-23-5	247	J	247		Qualify	1
Vanadium	7440-62-2	23.2		23.2			
Zinc	7440-66-6	51.6	J	51.6		Qualify	6
Field ID Num: S40; Lab ID Num: 718742; Sampling Date: 07/24/2007; Matrix: SOIL							
Solids (%)							
Dilution Factor: 1.0							
Solids, Percent	SRP 141	91.6		91.6			
ICPAES Metals (mg/Kg)							
Dilution Factor: 1.00							

R2-0002034

Project Name: A4639300
SDG: 121058
Project Number: A4639300

Laboratory Name: STL-Burlington
Laboratory Location: Colchester, VT

Analyte	CAS Number	Laboratory Reported Conc.	Q	QA Reported Conc.	Retention Time NT Only	QA Decision	Footnotes
Aluminum	7429-90-5	873		873			
Antimony	7440-36-0	5	UJ	5		Qualify	4
Arsenic	7440-38-2	2.4		2.4			
Barium	7440-39-3	4	J	4		Qualify	1
Beryllium	7440-41-7	0.073	J	0.073		Qualify	1
Cadmium	7440-43-9	0.07	J	0.07		Qualify	1
Calcium	7440-70-2	241	J	241		Qualify	1
Chromium	7440-47-3	5		5			
Cobalt	7440-48-4	0.31	J	0.31		Qualify	1
Copper	7440-50-8	3.4		3.4			
Iron	7439-89-6	5990	J	5990		Qualify	5
Lead	7439-92-1	35.6	J	35.6		Qualify	5
Magnesium	7439-95-4	86.5	J	86.5		Qualify	1
Manganese	7439-96-5	8.6		8.6			
Nickel	7440-02-0	1	J	1		Qualify	1
Potassium	7440-09-7	120	J	120		Qualify	1
Selenium	7782-49-2	2.9	UJ	2.9		Qualify	2
Vanadium	7440-62-2	8.7		8.7			
Zinc	7440-66-6	4.9	JB	4.9		Qualify	1,3,6
Field ID Num: S39; Lab ID Num: 718741; Sampling Date: 07/24/2007; Matrix: SOIL							
Solids (%)							
Dilution Factor: 1.0							
Solids, Percent	SRP 141	93.1		93.1			
ICPAES Metals (mg/Kg)							
Dilution Factor: 1.00							
Aluminum	7429-90-5	9150		9150			
Antimony	7440-36-0	5	UJ	5		Qualify	4
Arsenic	7440-38-2	6		6			
Barium	7440-39-3	43.3		43.3			
Beryllium	7440-41-7	0.55		0.55			
Cadmium	7440-43-9	0.37	J	0.37		Qualify	1
Calcium	7440-70-2	1940		1940			
Chromium	7440-47-3	17.7		17.7			
Cobalt	7440-48-4	5.4		5.4			
Copper	7440-50-8	35.3		35.3			
Iron	7439-89-6	17300	J	17300		Qualify	5
Lead	7439-92-1	48	J	48		Qualify	5
Magnesium	7439-95-4	1640		1640			
Manganese	7439-96-5	244		244			
Nickel	7440-02-0	13		13			
Potassium	7440-09-7	1080		1080			
Selenium	7782-49-2	2.9	UJ	2.9		Qualify	2
Sodium	7440-23-5	228	J	228		Qualify	1
Vanadium	7440-62-2	27.8		27.8			
Zinc	7440-66-6	38.9	J	38.9		Qualify	6
Field ID Num: S38; Lab ID Num: 718740; Sampling Date: 07/24/2007; Matrix: SOIL							
Solids (%)							
Dilution Factor: 1.0							
Solids, Percent	SRP 141	83.4		83.4			
ICPAES Metals (mg/Kg)							
Dilution Factor: 1.00							
Aluminum	7429-90-5	1230		1230			

R2-0002035

FOOTNOTES

1. The reported concentration is quantitatively qualified because it is above the Method Detection Level (MDL) but below the Contract Required Quantitation Limit (CRQL).

2. The positive result is qualified "J" and may be biased low, the nondetected results are qualified "UJ" and the detection limits may be estimated due to negative drifting of this analyte in the preparation blank.

3. The reported concentration in the sample is greater than 3X the value in the method/preparation blank and is considered "real". However, the reported value must be quantitatively qualified "J" due to method/preparation blank contamination. The "B" qualifier alerts the end-user to the presence of this analyte in the method/preparation blank.

4. The reported concentration is quantitatively qualified and may be biased low or the detection limit for the nondetected result may be estimated because the %recovery for the sample spike analysis was below the QA/QC limits of 75-125%.

5. The reported concentration is quantitatively qualified because the Relative %Difference between the sample and sample duplicate results was greater than 20%.

6. The reported concentration is quantitatively qualified because the %Difference between the sample result and the Sample Serial Dilution result for this analyte was greater than 10%.

State of New Jersey

Jon S. Corzine
Governor

Department of Environmental Protection

Lisa P. Jackson
Commissioner

MEMORANDUM

TO: Kevin Schick, Bureau Chief
Bureau of Environmental Evaluation and Risk Assessment

THROUGH: Greg Toffoli, Section Chief GT 9/4/07
Office of Data Quality
Hazardous Site Science Element

SEP 04 2007

FROM: Carol Pillsbury CP 9/4/07
Office of Data Quality
Hazardous Site Science Element

SUBJECT: Quality Assurance Review –**Margaret Creek Lead Contamination (SDG 121055)** Site. STL Burlington, Colchester, VT analyzed eighteen nonaqueous samples for TAL Metals according to USEPA CLP SOW ILM05.3.

Field ID	Laboratory ID	Sample Date	Matrix
S21	718700	07/23/2007	NONAQUEOUS
S22	718701	07/23/2007	NONAQUEOUS
S23	718702	07/23/2007	NONAQUEOUS
S24	718703	07/23/2007	NONAQUEOUS
S25	718704	07/23/2007	NONAQUEOUS
S26	718705	07/23/2007	NONAQUEOUS
S27	718706	07/23/2007	NONAQUEOUS
DUP2	718707	07/23/2007	NONAQUEOUS
S28	718708	07/23/2007	NONAQUEOUS
S29	718709	07/23/2007	NONAQUEOUS
S30	718710	07/23/2007	NONAQUEOUS
S31	718711	07/23/2007	NONAQUEOUS
S32	718712	07/23/2007	NONAQUEOUS
S33	718713	07/23/2007	NONAQUEOUS
S34	718714	07/23/2007	NONAQUEOUS
DUP1	718715	07/23/2007	NONAQUEOUS
S35	718716	07/23/2007	NONAQUEOUS
S36	718717	07/23/2007	NONAQUEOUS

The Office of Data Quality, Hazardous Site Science Element, Division of Remediation Management and Response has reviewed the above listed nonaqueous samples according to Full CLP Deliverable Requirements as specified in the Technical Requirements for Site Remediation, N.J.A.C. 7:26E. A Target Analyte Summary List is provided for your convenience. Specific comments are provided below:

Metals

The metals data are acceptable with the qualifications resulting from QA/QC outliers in the following analyses: sample spike, sample duplicate, serial dilution, negative drifting and preparation blank.

Should you have any questions regarding this review, please contact this office at 633-0752.

C. Ed Putnam, RPDE
Jerry Schoenleber, EMS
Mindy Mumford, OCR

Project Name: A4639300
SDG: 121055
Project Number: A4639300

Laboratory Name: STL-Burlington
Laboratory Location: Colchester, VT

Analyte	CAS Number	Laboratory Reported Conc.	Q	QA Reported Conc.	Retention Time NT Only	QA Decision	Footnotes
Field ID Num: S36; Lab ID Num: 718717; Sampling Date: 07/24/2007; Matrix: SOIL							
Solids (%)							
Dilution Factor: 1.0							
Solids, Percent	SRP 141	82.2		82.2			
ICPAES Metals (mg/Kg)							
Dilution Factor: 1.00							
Aluminum	7429-90-5	1870		1870			
Antimony	7440-36-0	0.87	J	0.87		Qualify	1,3
Arsenic	7440-38-2	3.7		3.7			
Barium	7440-39-3	9.1	J	9.1		Qualify	1
Beryllium	7440-41-7	0.058	J	0.058		Qualify	1
Calcium	7440-70-2	782	J	782		Qualify	4
Cobalt	7440-48-4	0.53	J	0.53		Qualify	1
Chromium	7440-47-3	6.1		6.1			
Copper	7440-50-8	6		6			
Iron	7439-89-6	7940		7940			
Magnesium	7439-95-4	247	J	247		Qualify	1
Manganese	7439-96-5	26.5	J	26.5		Qualify	4
Sodium	7440-23-5	12.5	J	12.5		Qualify	1,5
Nickel	7440-02-0	1.6	J	1.6		Qualify	1
Lead	7439-92-1	33.1	J	33.1		Qualify	4
Potassium	7440-09-7	226	J	226		Qualify	1
Vanadium	7440-62-2	12.1		12.1			
Zinc	7440-66-6	14.3		14.3			
Field ID Num: S35; Lab ID Num: 718716; Sampling Date: 07/24/2007; Matrix: SOIL							
Solids (%)							
Dilution Factor: 1.0							
Solids, Percent	SRP 141	85.3		85.3			
ICPAES Metals (mg/Kg)							
Dilution Factor: 1.00							
Aluminum	7429-90-5	3470		3470			
Antimony	7440-36-0	1.1	J	1.1		Qualify	1,3
Arsenic	7440-38-2	7.3		7.3			
Barium	7440-39-3	13.8	J	13.8		Qualify	1
Beryllium	7440-41-7	0.22	J	0.22		Qualify	1
Calcium	7440-70-2	137	J	137		Qualify	1,4
Cobalt	7440-48-4	0.97	J	0.97		Qualify	1
Chromium	7440-47-3	17.5		17.5			
Copper	7440-50-8	9		9			
Iron	7439-89-6	21900		21900			
Magnesium	7439-95-4	147	J	147		Qualify	1
Manganese	7439-96-5	20.3	J	20.3		Qualify	4
Sodium	7440-23-5	28.6	J	28.6		Qualify	1,5
Nickel	7440-02-0	2.3	J	2.3		Qualify	1
Lead	7439-92-1	12.9	J	12.9		Qualify	4
Potassium	7440-09-7	461		461			
Vanadium	7440-62-2	28		28			
Zinc	7440-66-6	13.2		13.2			
Field ID Num: DUP1; Lab ID Num: 718715; Sampling Date: 07/24/2007; Matrix: SOIL							
Solids (%)							

R2-0002039

Project Name: A4639300
SDG: 121055
Project Number: A4639300

Laboratory Name: STL-Burlington
Laboratory Location: Colchester, VT

Analyte	CAS Number	Laboratory Reported Conc.	Q	QA Reported Conc.	Retention Time NT Only	QA Decision	Footnotes
Dilution Factor: 1.0							
Solids, Percent	SRP 141	86.6		86.6			
ICPAES Metals (mg/Kg)							
Dilution Factor: 1.00							
Aluminum	7429-90-5	9030		9030			
Antimony	7440-36-0	1.3	J	1.3		Qualify	1,3
Arsenic	7440-38-2	8.4		8.4			
Barium	7440-39-3	40		40			
Beryllium	7440-41-7	0.43	J	0.43		Qualify	1
Calcium	7440-70-2	1710	J	1710		Qualify	4
Cadmium	7440-43-9	0.076	J	0.076		Qualify	1
Cobalt	7440-48-4	6		6			
Chromium	7440-47-3	34.4		34.4			
Copper	7440-50-8	24		24			
Iron	7439-89-6	24300		24300			
Magnesium	7439-95-4	1750		1750			
Manganese	7439-96-5	179	J	179		Qualify	4
Sodium	7440-23-5	106	J	106		Qualify	1,5
Nickel	7440-02-0	10.2		10.2			
Lead	7439-92-1	52.8	J	52.8		Qualify	4
Potassium	7440-09-7	1150		1150			
Vanadium	7440-62-2	41.5		41.5			
Zinc	7440-66-6	54.1		54.1			
Field ID Num: S34; Lab ID Num: 718714; Sampling Date: 07/24/2007; Matrix: SOIL							
Solids (%)							
Dilution Factor: 1.0							
Solids, Percent	SRP 141	86.9		86.9			
ICPAES Metals (mg/Kg)							
Dilution Factor: 1.00							
Aluminum	7429-90-5	8610		8610			
Antimony	7440-36-0	1.3	J	1.3		Qualify	1,3
Arsenic	7440-38-2	7.5		7.5			
Barium	7440-39-3	40.9		40.9			
Beryllium	7440-41-7	0.43	J	0.43		Qualify	1
Calcium	7440-70-2	2040	J	2040		Qualify	4
Cadmium	7440-43-9	0.1	J	0.1		Qualify	1
Cobalt	7440-48-4	5.3		5.3			
Chromium	7440-47-3	22.9		22.9			
Copper	7440-50-8	23		23			
Iron	7439-89-6	22300		22300			
Magnesium	7439-95-4	1970		1970			
Manganese	7439-96-5	193	J	193		Qualify	4
Sodium	7440-23-5	136	J	136		Qualify	1,5
Nickel	7440-02-0	10.3		10.3			
Lead	7439-92-1	53.6	J	53.6		Qualify	4
Potassium	7440-09-7	1140		1140			
Vanadium	7440-62-2	34.8		34.8			
Zinc	7440-66-6	50.9		50.9			
Field ID Num: S33; Lab ID Num: 718713; Sampling Date: 07/24/2007; Matrix: SOIL							
Solids (%)							

R2-0002040

Project Name: A4639300
SDG: 121055
Project Number: A4639300

Laboratory Name: STL-Burlington
Laboratory Location: Colchester, VT

Analyte	CAS Number	Laboratory Reported Conc.	Q	QA Reported Conc.	Retention Time NT Only	QA Decision	Footnotes
Dilution Factor: 1.0							
Solids, Percent	SRP 141	88.1		88.1			
ICPAES Metals (mg/Kg)							
Dilution Factor: 1.00							
Aluminum	7429-90-5	3040		3040			
Antimony	7440-36-0	1.1	J	1.1		Qualify	1,3
Arsenic	7440-38-2	5.6		5.6			
Barium	7440-39-3	12.7	J	12.7		Qualify	1
Beryllium	7440-41-7	0.2	J	0.2		Qualify	1
Calcium	7440-70-2	509	J	509		Qualify	4
Cobalt	7440-48-4	1.3	J	1.3		Qualify	1
Chromium	7440-47-3	12.7		12.7			
Copper	7440-50-8	13.6		13.6			
Iron	7439-89-6	19300		19300			
Magnesium	7439-95-4	305	J	305		Qualify	1
Manganese	7439-96-5	29.4	J	29.4		Qualify	4
Sodium	7440-23-5	27.5	J	27.5		Qualify	1,5
Nickel	7440-02-0	3	J	3		Qualify	1
Lead	7439-92-1	23.6	J	23.6		Qualify	4
Potassium	7440-09-7	359	J	359		Qualify	1
Vanadium	7440-62-2	16.9		16.9			
Zinc	7440-66-6	20		20			
Field ID Num: S32; Lab ID Num: 718712; Sampling Date: 07/24/2007; Matrix: SOIL							
Solids (%)							
Dilution Factor: 1.0							
Solids, Percent	SRP 141	85.3		85.3			
ICPAES Metals (mg/Kg)							
Dilution Factor: 1.00							
Aluminum	7429-90-5	3280		3280			
Antimony	7440-36-0	0.5	J	0.5		Qualify	1,3
Arsenic	7440-38-2	2.6		2.6			
Barium	7440-39-3	13.9	J	13.9		Qualify	1
Beryllium	7440-41-7	0.1	J	0.1		Qualify	1
Calcium	7440-70-2	368	J	368		Qualify	1,4
Cobalt	7440-48-4	1.4	J	1.4		Qualify	1
Chromium	7440-47-3	7.8		7.8			
Copper	7440-50-8	8.6		8.6			
Iron	7439-89-6	8860		8860			
Magnesium	7439-95-4	359	J	359		Qualify	1
Manganese	7439-96-5	45.5	J	45.5		Qualify	4
Sodium	7440-23-5	30.9	J	30.9		Qualify	1,5
Nickel	7440-02-0	2.8	J	2.8		Qualify	1
Lead	7439-92-1	20.3	J	20.3		Qualify	4
Potassium	7440-09-7	314	J	314		Qualify	1
Vanadium	7440-62-2	13.9		13.9			
Zinc	7440-66-6	14.4		14.4			
Field ID Num: S31; Lab ID Num: 718711; Sampling Date: 07/24/2007; Matrix: SOIL							
Solids (%)							
Dilution Factor: 1.0							
Solids, Percent	SRP 141	82		82			

R2-0002041

Project Name: A4639300
SDG: 121055
Project Number: A4639300

Laboratory Name: STL-Burlington
Laboratory Location: Colchester, VT

Analyte	CAS Number	Laboratory Reported Conc.	Q	QA Reported Conc.	Retention Time NT Only	QA Decision	Footnotes
ICPAES Metals (mg/Kg)							
Dilution Factor: 1.00							
Aluminum	7429-90-5	6890		6890			
Antimony	7440-36-0	1.6	J	1.6		Qualify	1,3
Arsenic	7440-38-2	6.7		6.7			
Barium	7440-39-3	33.8		33.8			
Beryllium	7440-41-7	0.27	J	0.27		Qualify	1
Calcium	7440-70-2	2250	J	2250		Qualify	4
Cadmium	7440-43-9	0.15	J	0.15		Qualify	1
Cobalt	7440-48-4	3.7	J	3.7		Qualify	1
Chromium	7440-47-3	16.2		16.2			
Copper	7440-50-8	25.7		25.7			
Iron	7439-89-6	16300		16300			
Magnesium	7439-95-4	1390		1390			
Manganese	7439-96-5	118	J	118		Qualify	4
Sodium	7440-23-5	93.7	J	93.7		Qualify	1,5
Nickel	7440-02-0	7.7		7.7			
Lead	7439-92-1	74.7	J	74.7		Qualify	4
Potassium	7440-09-7	866		866			
Vanadium	7440-62-2	27		27			
Zinc	7440-66-6	47.2		47.2			
Field ID Num: S30; Lab ID Num: 718710; Sampling Date: 07/24/2007; Matrix: SOIL							
Solids (%)							
Dilution Factor: 1.0							
Solids, Percent	SRP 141	86.3		86.3			
ICPAES Metals (mg/Kg)							
Dilution Factor: 1.00							
Aluminum	7429-90-5	11800		11800			
Antimony	7440-36-0	1.4	J	1.4		Qualify	1,3
Arsenic	7440-38-2	19.5		19.5			
Barium	7440-39-3	25.6		25.6			
Beryllium	7440-41-7	0.49		0.49			
Calcium	7440-70-2	440	J	440		Qualify	1,4
Cobalt	7440-48-4	2.7	J	2.7		Qualify	1
Chromium	7440-47-3	26.2		26.2			
Copper	7440-50-8	14.2		14.2			
Iron	7439-89-6	30800		30800			
Magnesium	7439-95-4	1210		1210			
Manganese	7439-96-5	58.2	J	58.2		Qualify	4
Sodium	7440-23-5	64.4	J	64.4		Qualify	1,5
Nickel	7440-02-0	6.1		6.1			
Lead	7439-92-1	18.4	J	18.4		Qualify	4
Potassium	7440-09-7	2040		2040			
Vanadium	7440-62-2	64.9		64.9			
Zinc	7440-66-6	30.1		30.1			
Field ID Num: S29; Lab ID Num: 718709; Sampling Date: 07/24/2007; Matrix: SOIL							
Solids (%)							
Dilution Factor: 1.0							
Solids, Percent	SRP 141	89.3		89.3			
ICPAES Metals (mg/Kg)							

R2-0002042

Project Name: A4639300
SDG: 121055
Project Number: A4639300

Laboratory Name: STL-Burlington
Laboratory Location: Colchester, VT

Analyte	CAS Number	Laboratory Reported Conc.	Q	QA Reported Conc.	Retention Time NT Only	QA Decision	Footnotes
Dilution Factor: 1.00							
Aluminum	7429-90-5	6370		6370			
Antimony	7440-36-0	1.3	J	1.3		Qualify	1,3
Arsenic	7440-38-2	6.4		6.4			
Barium	7440-39-3	27.4		27.4			
Beryllium	7440-41-7	0.3	J	0.3		Qualify	1
Calcium	7440-70-2	922	J	922		Qualify	4
Cadmium	7440-43-9	0.051	J	0.051		Qualify	1
Cobalt	7440-48-4	3.3	J	3.3		Qualify	1
Chromium	7440-47-3	17		17			
Copper	7440-50-8	20.8		20.8			
Iron	7439-89-6	16200		16200			
Magnesium	7439-95-4	1300		1300			
Manganese	7439-96-5	97.6	J	97.6		Qualify	4
Sodium	7440-23-5	76.9	J	76.9		Qualify	1,5
Nickel	7440-02-0	6.9		6.9			
Lead	7439-92-1	63.1	J	63.1		Qualify	4
Potassium	7440-09-7	1080		1080			
Vanadium	7440-62-2	24.3		24.3			
Zinc	7440-66-6	37.7		37.7			
Field ID Num: S28; Lab ID Num: 718708; Sampling Date: 07/24/2007; Matrix: SOIL							
Solids (%)							
Dilution Factor: 1.0							
Solids, Percent	SRP 141	88.6		88.6			
ICPAES Metals (mg/Kg)							
Dilution Factor: 1.00							
Aluminum	7429-90-5	2070		2070			
Antimony	7440-36-0	1.7	J	1.7		Qualify	1,3
Arsenic	7440-38-2	4.6		4.6			
Barium	7440-39-3	9.9	J	9.9		Qualify	1
Beryllium	7440-41-7	0.14	J	0.14		Qualify	1
Calcium	7440-70-2	267	J	267		Qualify	1,4
Cobalt	7440-48-4	1	J	1		Qualify	1
Chromium	7440-47-3	8.9		8.9			
Copper	7440-50-8	8.6		8.6			
Iron	7439-89-6	10100		10100			
Magnesium	7439-95-4	407	J	407		Qualify	1
Manganese	7439-96-5	35.1	J	35.1		Qualify	4
Sodium	7440-23-5	28.4	J	28.4		Qualify	1,5
Nickel	7440-02-0	3.2	J	3.2		Qualify	1
Lead	7439-92-1	59	J	59		Qualify	4
Potassium	7440-09-7	382	J	382		Qualify	1
Vanadium	7440-62-2	13.8		13.8			
Zinc	7440-66-6	14.6		14.6			
Field ID Num: DUP2; Lab ID Num: 718707; Sampling Date: 07/24/2007; Matrix: SOIL							
Solids (%)							
Dilution Factor: 1.0							
Solids, Percent	SRP 141	89.5		89.5			
ICPAES Metals (mg/Kg)							
Dilution Factor: 1.00							

R2-0002043

Project Name: A4639300
SDG: 121055
Project Number: A4639300

Laboratory Name: STL-Burlington
Laboratory Location: Colchester, VT

Analyte	CAS Number	Laboratory Reported Conc.	Q	QA Reported Conc.	Retention Time NT Only	QA Decision	Footnotes
Aluminum	7429-90-5	4700		4700			
Antimony	7440-36-0	2.3	J	2.3		Qualify	1,3
Arsenic	7440-38-2	5.5		5.5			
Barium	7440-39-3	19.8		19.8			
Beryllium	7440-41-7	0.16	J	0.16		Qualify	1
Calcium	7440-70-2	878	J	878		Qualify	4
Cadmium	7440-43-9	0.032	J	0.032		Qualify	1
Cobalt	7440-48-4	1.5	J	1.5		Qualify	1
Chromium	7440-47-3	12.1		12.1			
Copper	7440-50-8	19.1		19.1			
Iron	7439-89-6	14900		14900			
Magnesium	7439-95-4	843		843			
Manganese	7439-96-5	43.2	J	43.2		Qualify	4
Sodium	7440-23-5	36.6	J	36.6		Qualify	1,5
Nickel	7440-02-0	4.2		4.2			
Lead	7439-92-1	82.3	J	82.3		Qualify	4
Potassium	7440-09-7	736		736			
Vanadium	7440-62-2	23.2		23.2			
Zinc	7440-66-6	27.8		27.8			
Field ID Num: S27; Lab ID Num: 718706; Sampling Date: 07/24/2007; Matrix: SOIL							
Solids (%)							
Dilution Factor: 1.0							
Solids, Percent	SRP 141	88.7		88.7			
ICPAES Metals (mg/Kg)							
Dilution Factor: 1.00							
Aluminum	7429-90-5	4370		4370			
Antimony	7440-36-0	1.6	J	1.6		Qualify	1,3
Arsenic	7440-38-2	5.4		5.4			
Barium	7440-39-3	18.6		18.6			
Beryllium	7440-41-7	0.14	J	0.14		Qualify	1
Calcium	7440-70-2	1330	J	1330		Qualify	4
Cadmium	7440-43-9	0.03	J	0.03		Qualify	1
Cobalt	7440-48-4	1.9	J	1.9		Qualify	1
Chromium	7440-47-3	17.8		17.8			
Copper	7440-50-8	44		44			
Iron	7439-89-6	14900		14900			
Magnesium	7439-95-4	823		823			
Manganese	7439-96-5	45.5	J	45.5		Qualify	4
Sodium	7440-23-5	38.3	J	38.3		Qualify	1,5
Nickel	7440-02-0	3.7		3.7			
Lead	7439-92-1	72.5	J	72.5		Qualify	4
Potassium	7440-09-7	701		701			
Vanadium	7440-62-2	23.4		23.4			
Zinc	7440-66-6	22.6		22.6			
Field ID Num: S26; Lab ID Num: 718705; Sampling Date: 07/24/2007; Matrix: SOIL							
Solids (%)							
Dilution Factor: 1.0							
Solids, Percent	SRP 141	87.4		87.4			
ICPAES Metals (mg/Kg)							
Dilution Factor: 1.00							

R2-0002044

Project Name: A4639300
SDG: 121055
Project Number: A4639300

Laboratory Name: STL-Burlington
Laboratory Location: Colchester, VT

Analyte	CAS Number	Laboratory Reported Conc.	Q	QA Reported Conc.	Retention Time NT Only	QA Decision	Footnotes
Aluminum	7429-90-5	3130		3130			
Antimony	7440-36-0	0.58	J	0.58		Qualify	1,3
Arsenic	7440-38-2	3.7		3.7			
Barium	7440-39-3	20.8		20.8			
Beryllium	7440-41-7	0.14	J	0.14		Qualify	1
Calcium	7440-70-2	109	J	109		Qualify	1,4
Cobalt	7440-48-4	0.61	J	0.61		Qualify	1
Chromium	7440-47-3	10.1		10.1			
Copper	7440-50-8	9.7		9.7			
Iron	7439-89-6	9290		9290			
Magnesium	7439-95-4	182	J	182		Qualify	1
Manganese	7439-96-5	11.4	J	11.4		Qualify	4
Sodium	7440-23-5	20.7	J	20.7		Qualify	1,5
Nickel	7440-02-0	1.9	J	1.9		Qualify	1
Lead	7439-92-1	15.9	J	15.9		Qualify	4
Potassium	7440-09-7	388	J	388		Qualify	1
Vanadium	7440-62-2	21.2		21.2			
Zinc	7440-66-6	9.7		9.7			
Field ID Num: S25; Lab ID Num: 718704; Sampling Date: 07/24/2007; Matrix: SOIL							
Solids (%)							
Dilution Factor: 1.0							
Solids, Percent	SRP 141	93.3		93.3			
ICPAES Metals (mg/Kg)							
Dilution Factor: 1.00							
Aluminum	7429-90-5	2070		2070			
Antimony	7440-36-0	19.2	J	19.2		Qualify	3
Arsenic	7440-38-2	24.5		24.5			
Barium	7440-39-3	14.3	J	14.3		Qualify	1
Beryllium	7440-41-7	0.22	J	0.22		Qualify	1
Calcium	7440-70-2	1600	J	1600		Qualify	4
Cobalt	7440-48-4	0.8	J	0.8		Qualify	1
Chromium	7440-47-3	19.3		19.3			
Copper	7440-50-8	26.9		26.9			
Iron	7439-89-6	29100		29100			
Magnesium	7439-95-4	255	J	255		Qualify	1
Manganese	7439-96-5	29.3	J	29.3		Qualify	4
Sodium	7440-23-5	30.6	J	30.6		Qualify	1,5
Nickel	7440-02-0	3.8		3.8			
Lead	7439-92-1	545	J	545		Qualify	4
Potassium	7440-09-7	432		432			
Vanadium	7440-62-2	36.7		36.7			
Zinc	7440-66-6	22.2		22.2			
Field ID Num: S24; Lab ID Num: 718703; Sampling Date: 07/24/2007; Matrix: SOIL							
Solids (%)							
Dilution Factor: 1.0							
Solids, Percent	SRP 141	90		90			
ICPAES Metals (mg/Kg)							
Dilution Factor: 1.00							
Aluminum	7429-90-5	1450		1450			
Antimony	7440-36-0	1.5	J	1.5		Qualify	1,3

R2-0002045

Project Name: A4639300
SDG: 121055
Project Number: A4639300

Laboratory Name: STL-Burlington
Laboratory Location: Colchester, VT

Analyte	CAS Number	Laboratory Reported Conc.	Q	QA Reported Conc.	Retention Time NT Only	QA Decision	Footnotes
Arsenic	7440-38-2	12.8		12.8			
Barium	7440-39-3	6.5	J	6.5		Qualify	1,2
Beryllium	7440-41-7	0.097	J	0.097		Qualify	1
Calcium	7440-70-2	444	J	444		Qualify	4
Cobalt	7440-48-4	0.66	J	0.66		Qualify	1
Chromium	7440-47-3	16.6		16.6			
Copper	7440-50-8	29.4		29.4			
Iron	7439-89-6	6590		6590			
Magnesium	7439-95-4	234	J	234		Qualify	1
Manganese	7439-96-5	17.7	J	17.7		Qualify	4
Sodium	7440-23-5	16.3	J	16.3		Qualify	1,5
Nickel	7440-02-0	1.8	J	1.8		Qualify	1
Lead	7439-92-1	61.5	J	61.5		Qualify	4
Potassium	7440-09-7	346	J	346		Qualify	1
Vanadium	7440-62-2	11.1		11.1			
Zinc	7440-66-6	20		20			
Field ID Num: S23; Lab ID Num: 718702; Sampling Date: 07/24/2007; Matrix: SOIL							
Solids (%)							
Dilution Factor: 1.0							
Solids, Percent	SRP 141	92.7		92.7			
ICPAES Metals (mg/Kg)							
Dilution Factor: 1.00							
Aluminum	7429-90-5	2040		2040			
Antimony	7440-36-0	0.73	J	0.73		Qualify	1,3
Arsenic	7440-38-2	3.3		3.3			
Barium	7440-39-3	4.3	J	4.3		Qualify	1,2
Beryllium	7440-41-7	0.2	J	0.2		Qualify	1
Calcium	7440-70-2	2430	J	2430		Qualify	4
Cobalt	7440-48-4	1.6	J	1.6		Qualify	1
Chromium	7440-47-3	9.7		9.7			
Copper	7440-50-8	3.5		3.5			
Iron	7439-89-6	8390		8390			
Magnesium	7439-95-4	885		885			
Manganese	7439-96-5	41.5	J	41.5		Qualify	4
Sodium	7440-23-5	47.6	J	47.6		Qualify	1,5
Nickel	7440-02-0	3.7		3.7			
Lead	7439-92-1	15.8	J	15.8		Qualify	4
Potassium	7440-09-7	928		928			
Vanadium	7440-62-2	11.2		11.2			
Zinc	7440-66-6	11.2		11.2			
Field ID Num: S22; Lab ID Num: 718701; Sampling Date: 07/24/2007; Matrix: SOIL							
Solids (%)							
Dilution Factor: 1.0							
Solids, Percent	SRP 141	80.6		80.6			
ICPAES Metals (mg/Kg)							
Dilution Factor: 1.00							
Aluminum	7429-90-5	5820		5820			
Antimony	7440-36-0	1.9	J	1.9		Qualify	1,3
Arsenic	7440-38-2	8.6		8.6			
Barium	7440-39-3	60.7		60.7			

R2-0002046

Project Name: A4639300
SDG: 121055
Project Number: A4639300

Laboratory Name: STL-Burlington
Laboratory Location: Colchester, VT

Analyte	CAS Number	Laboratory Reported Conc.	Q	QA Reported Conc.	Retention Time NT Only	QA Decision	Footnotes
Beryllium	7440-41-7	0.18	J	0.18		Qualify	1
Calcium	7440-70-2	661	J	661		Qualify	4
Cobalt	7440-48-4	1.1	J	1.1		Qualify	1
Chromium	7440-47-3	18.8		18.8			
Copper	7440-50-8	17.5		17.5			
Iron	7439-89-6	19400		19400			
Magnesium	7439-95-4	657		657			
Manganese	7439-96-5	23.6	J	23.6		Qualify	4
Sodium	7440-23-5	172	J	172		Qualify	1,5
Nickel	7440-02-0	3.4	J	3.4		Qualify	1
Lead	7439-92-1	61.6	J	61.6		Qualify	4
Potassium	7440-09-7	973		973			
Vanadium	7440-62-2	34.6		34.6			
Zinc	7440-66-6	15		15			
Field ID Num: S21; Lab ID Num: 718700; Sampling Date: 07/24/2007; Matrix: SOIL							
Solids (%)							
Dilution Factor: 1.0							
Solids, Percent	SRP 141	98.9		98.9			
ICPAES Metals (mg/Kg)							
Dilution Factor: 1.00							
Aluminum	7429-90-5	1160		1160			
Antimony	7440-36-0	20.2	J	20.2		Qualify	3
Arsenic	7440-38-2	16.1		16.1			
Barium	7440-39-3	8.7	J	8.7		Qualify	1
Beryllium	7440-41-7	0.18	J	0.18		Qualify	1
Calcium	7440-70-2	698	J	698		Qualify	4
Cobalt	7440-48-4	1.1	J	1.1		Qualify	1
Chromium	7440-47-3	11.9		11.9			
Copper	7440-50-8	13.4		13.4			
Iron	7439-89-6	19200		19200			
Magnesium	7439-95-4	472		472			
Manganese	7439-96-5	60.4	J	60.4		Qualify	4
Sodium	7440-23-5	91.5	J	91.5		Qualify	1,5
Nickel	7440-02-0	3.6		3.6			
Lead	7439-92-1	378	J	378		Qualify	4
Potassium	7440-09-7	186	J	186		Qualify	1
Vanadium	7440-62-2	18.9		18.9			
Zinc	7440-66-6	33.1		33.1			

FOOTNOTES

1. The reported concentration is quantitatively qualified because it is above the Method Detection Level (MDL) but below the Contract Required Quantitation Limit (CRQL).

2. The positive result is qualified "J" and may be biased low, the nondetected results are qualified "UJ" and the detection limits may be estimated due to negative drifting of this analyte in the preparation blank.

3. The reported concentration is quantitatively qualified and may be biased low or the detection limit for the nondetected result may be estimated because the %recovery for the sample spike analysis was below the QA/QC limits of 75-125%.

4. The reported concentration is quantitatively qualified because the Relative %Difference between the sample and sample duplicate results was greater than 20%.

5. The reported concentration is quantitatively qualified because the %Difference between the sample result and the Sample Serial Dilution result for this analyte was greater than 10%.

Appendix E

OBMUA May 2007 Sampling Results

Table 1. Site Investigation Results Summary (Sheet 1 of 3)

				SAMPLE ID:		SB-4A		SB-4B			SB-4B		SB-4B REP		SB-4C			SB-4C		B-4A		B-4B	
				STATION:		8+24 10' L		8+24 CL			8+24 CL		8+24 CL		8+24 10' R			8+24 10' R		7+00 10' L		7+00 CL	
				DEPTH:		0.0-0.5'		0.0-0.5			0.0-0.5'		0.0-0.5'		8.5-9.0'			0.0-0.5'		0.0-0.5'		0.0-0.5'	
				DATA TYPE:		XRF		Laboratory			XRF		XRF		Laboratory			XRF		XRF		XRF	
				SAMPLE DATE:		5/14/2007		5/14/2007			5/14/07		5/14/07		5/14/2007			5/14/2007		5/14/2007		5/14/2007	
Parameter	RDCSCC (mg/kg)	NRDCSCC (mg/kg)	IGWSCC (mg/kg)	Conc (mg/kg)	Error (+/-)	Result (mg/kg)	Flg	RL (mg/kg)	Conc (mg/kg)	Error (+/-)	Conc (mg/kg)	Error (+/-)	Result (mg/kg)	Flg	RL (mg/kg)	Conc (mg/kg)	Error (+/-)	Conc (mg/kg)	Error (+/-)	Conc (mg/kg)	Error (+/-)		
Metals																							
Mercury	14	270	---	46	10	ND		0.09	*156*	*13.76*	*ND*		ND		0.11	*ND*		*ND*		*ND*		*ND*	
Antimony	14	340	---	ND		14		2.2	*ND*		*85*	*64.33*	ND		2.7	*ND*		*ND*		*ND*		*ND*	
Arsenic	20	20	---	92	16	11		2.2	*78*	*21*	*ND*		23		2.7	*ND*		*ND*		66	14		
Lead	400	600	---	1,753	27	3,500		5	*3,080*	*41*	*3,298*	*44*	38		6.8	2,277	32	1,152	19	1,554	23		

14 Indicates parameter exceeding the most restrictive Soil Cleanup Criteria (SCC).

RL = Laboratory Reporting Limit

ND = Parameter not detected at RL

REP = Replicate XRF measurement of same soil sample

Table 1. Site Investigation Results Summary (Sheet 2 of 3)

				SAMPLE ID:			B-4C		B-4C REP		B-4D		B-4E			B-4E		B-4E REP	
				STATION:			7+00 10' R		7+00 10' R		7+65 CL		8+15 CL			8+15 CL		8+15 CL	
				DEPTH:			0.0-0.5		0.0-0.5'		0.0-0.5'		0.0-0.5			0.0-0.5'		0.0-0.5'	
				DATA TYPE:			Laboratory		XRF		XRF		Laboratory			XRF		XRF	
				SAMPLE DATE:			5/14/2007		5/14/07		5/14/2007		5/14/2007			5/14/07		5/14/07	
Parameter	RDCSCC (mg/kg)	NRDCSCC (mg/kg)	IGWSCC (mg/kg)	Result (mg/kg)	Flg	RL (mg/kg)	Conc (mg/kg)	Error (+/-)	Conc (mg/kg)	Error (+/-)	Conc (mg/kg)	Error (+/-)	Result (mg/kg)	Flg	RL (mg/kg)	Conc (mg/kg)	Error (+/-)	Conc (mg/kg)	Error (+/-)
Metals																			
Mercury	14	270	---	1.1		0.1	*ND*		*ND*		*ND*		ND		0.084	*ND*		*ND*	
Antimony	14	340	---	11		2.4	*ND*		*ND*		*ND*		110		2	*210*	*86*	*ND*	
Arsenic	20	20	---	9		2.4	*ND*		*ND*		*ND*		18		2	*852*	*100*	*ND*	
Lead	400	600	---	2,000		6.1	*1,747*	*25*	*1,704*	*25*	1,439	21	24,000		51	*39,162*	*491*	*12,868*	*147*

14 Indicates parameter exceeding the most re

RL = Laboratory Reporting Limit

ND = Parameter not detected at RL

REP = Replicate XRF measurement of same soil sample

Table 1. Site Investigation Results Summary (Sheet 3 of 3)

	SAMPLE ID:	B-4E	B-4E	B-4E REP	B-5B	B-5C	B-5D	B-5D	B-5D REP
	STATION:	8+15 CL	8+15 CL	8+15 CL	9+00 CL	9+00 10' R	9+00 CL	9+00 CL	9+00 CL
	DEPTH:	0.5-1.0	0.5-1.0'	0.5-1.0'	0.5-1.0'	0.5-1.0'	0.0-0.5	0.0-0.5'	0.0-0.5'
	DATA TYPE:	Laboratory	XRF	XRF	XRF	XRF	Laboratory	XRF	XRF
	SAMPLE DATE:	5/15/2007	5/15/07	5/15/07	5/14/2007	5/14/2007	5/14/2007	5/14/07	5/14/07

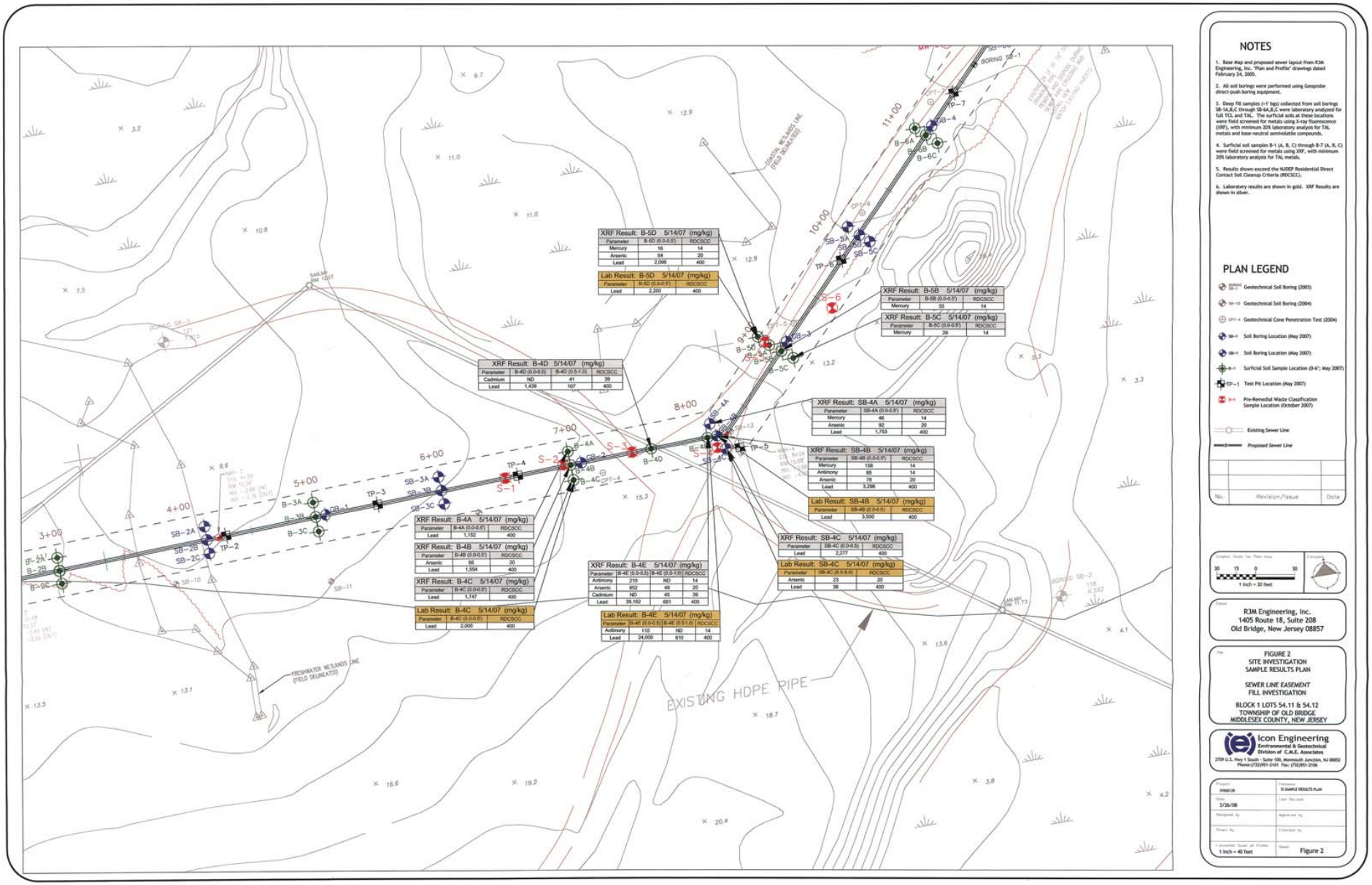
Parameter	RDCSCC (mg/kg)	NRDCSCC (mg/kg)	IGWSCC (mg/kg)	Result (mg/kg)	Flg	RL (mg/kg)	Conc (mg/kg)	Error (+/-)	Conc (mg/kg)	Error (+/-)	Conc (mg/kg)	Error (+/-)	Conc (mg/kg)	Error (+/-)	Result (mg/kg)	Flg	RL (mg/kg)	Conc (mg/kg)	Error (+/-)	Conc (mg/kg)	Error (+/-)
Metals																					
Mercury	14	270	---	ND		0.1	*ND*		*ND*		33	7.2	29	7.1	ND		0.093	*16*	*9.1*	*ND*	
Antimony	14	340	---	ND		2.4	*ND*		*ND*		*ND*				11		2.2	*ND*		*ND*	
Arsenic	20	20	---	13		2.4	*29*	*9.59*	*49*	*9.95*	18	3.7	16	5.0	10		2.2	*58*	*17.1*	*64*	*17*
Lead	400	600	---	610		6	*667*	*15*	*681*	*15*	59	5.1	176	7.3	2,200		6	*2,096*	*31*	*2,090*	*31*

14 Indicates parameter exceeding the most re

RL = Laboratory Reporting Limit

ND = Parameter not detected at RL

REP = Replicate XRF measurement of same soil sample



NOTES

1. Base Map and proposed sewer layout from R3M Engineering, Inc. "Plan and Profile" drawings dated February 24, 2005.
2. All soil borings were performed using Geoprobe direct-push boring equipment.
3. Deep fill samples (>1' bgs) collected from soil borings SB-1A,B,C through SB-6A,B,C were laboratory analyzed for full TCL and TAL. The surficial soils at these locations were field screened for metals using X-ray fluorescence (XRF), with minimum 20% laboratory analysis for TAL metals and base-neutral semivolatile compounds.
4. Surficial soil samples B-1 (A, B, C) through B-7 (A, B, C) were field screened for metals using XRF, with minimum 20% laboratory analysis for TAL metals.
5. Results shown exceed the NJDEP Residential Direct Contact Soil Cleanup Criteria (RDCSCC).
6. Laboratory results are shown in gold. XRF Results are shown in silver.

PLAN LEGEND

- Geotechnical Soil Boring (2003)
- Geotechnical Soil Boring (2004)
- Geotechnical Cone Penetration Test (2004)
- Soil Boring Location (May 2007)
- Soil Boring Location (May 2007)
- Surficial Soil Sample Location (0-6"; May 2007)
- Test Pit Location (May 2007)
- Pre-Remedial Waste Classification Sample Location (October 2007)
- Existing Sewer Line
- Proposed Sewer Line

No.	Revision/Issue	Date

Graphic Scale for Plot View: 30 15 0 30 — 1 inch = 30 feet

R3M Engineering, Inc.
1405 Route 18, Suite 208
Old Bridge, New Jersey 08857

FIGURE 2
SITE INVESTIGATION
SAMPLE RESULTS PLAN

SEWER LINE EASEMENT
FILL INVESTIGATION

BLOCK 1 LOTS 54.11 & 54.12
TOWNSHIP OF OLD BRIDGE
MIDDLESEX COUNTY, NEW JERSEY

Icon Engineering
Environmental & Geotechnical
Division of C.M.E. Associates
2759 U.S. Hwy 1 South - Suite 100, Monmouth Junction, NJ 08852
Phone:(732)951-2101 Fax: (732)951-2106

Project: 0708019	Filename: S-SAMPLE RESULTS PLAN
Date: 3/26/08	Last Revised:
Designed by:	Approved by:
Drawn by:	Checked by:
Horizontal Scale of Profile: 1 inch = 40 feet	Sheet: Figure 2

R2-0002053

Appendix F

OBMUA October 2007 to February 2008 Sampling Results

LIMITED SITE INVESTIGATION REPORT AND REMEDIAL ACTION WORKPLAN

NJDEP Case No. 07-04-18-1110-28

Laurence Harbor Interceptor Sewer Easement
Block 1 Lot 54.11 & 54.12
Township of Old Bridge
Middlesex County, New Jersey

Prepared for:

R3M Engineering
1405 Route 18, Suite 208
Old Bridge, New Jersey 08857

Prepared by:

Icon Engineering
3759 U.S. Highway 1 South, Suite 100
Monmouth Junction, New Jersey 08852

Submitted to:

New Jersey Department of Environmental Protection
Division of Remediation Management & Response
401 E. State Street
P.O. Box 028
Trenton, NJ 08625

August 2007

Icon Engineering
The Environmental and Geotechnical Division of CME Associates
3759 U.S. Highway 1 South, Suite 100, Monmouth Junction, NJ 08852

R2-0002055

EXECUTIVE SUMMARY

Icon Engineering, the Environmental and Geotechnical Division of CME Associates (ICON/CME), has conducted a limited site investigation in the Laurence Harbor Interceptor Sewer construction easement located on Lots 54.11 and 54.12 in Block 1 of the Township of Old Bridge, Middlesex County, New Jersey (NJDEP Case No. 07-04-18-1110-28). This work was performed on behalf of the Old Bridge Municipal Utilities Authority (OBMUA) and R3M Engineering Inc. pursuant to a Memorandum of Agreement (MOA) between the OBMUA and the New Jersey Department of Environmental Protection (NJDEP), and in accordance with the Bias for Action condition of the Technical Requirements of Site Remediation (NJAC 7:26E-1.11). The site investigation activities were limited to an investigation of fill materials located within a 40-foot wide sanitary sewer construction easement that traverses an approximately 60-acre open space parcel. The OBMUA plans to abandon a failing gravity sewer line that extends from State Highway Route 35 to a Pump Station near Raritan Bay and install a new 30-inch diameter ductile iron pipeline on the site.

The main objective of this site investigation was to characterize the extent and environmental quality of fill materials within the construction easement and specify an appropriate workplan for the remediation of any contaminated soils. The field investigation included twenty-three (23) soil borings and seven (7) test pits. Surficial soils were screened for metal contaminants using an XRF analyzer. A total of eighteen (18) surficial and eight (8) deep discrete fill samples were collected for laboratory analysis. Three (3) existing shallow monitoring wells were sampled to evaluate groundwater quality.

The fill layer in the area of investigation consists of sandy to clayey soil that varies from 7.5 to 15 feet thick. Elevated lead levels were observed in surficial soil samples from 0 to 1-foot bgs along a 400-foot section of the easement between station 6+00 and station 10+00. Lead levels ranged up to 24,000 mg/kg, compared to the most stringent soil cleanup criterion of 400 mg/kg. The lead contaminated soil is typically gravelly sand that comprises the surface of existing dirt roadways and contains varying amounts of battery casing chips. Antimony was also detected at levels exceeding the cleanup criteria. No correlation is evident between the groundwater quality at the site and the surficial soil contamination; lead was below the Class IIA standard in each of the three groundwater samples.

A remedial action workplan is proposed that includes excavation and offsite disposal of the contaminated soil. Post-excavation XRF sampling with laboratory confirmation will be performed to document the effectiveness of the remediation.

R2-0002056

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R2-0002057

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Attachment A: Reduced Laboratory Data Deliverable Reports (PDF Version)
Attachment B: Health and Safety Plan

R2-0002058

1.0 INTRODUCTION

Icon Engineering, the Environmental and Geotechnical Division of CME Associates (ICON/CME), has conducted a limited site investigation in the Laurence Harbor Interceptor Sewer construction easement located on Lots 54.11 and 54.12 in Block 1 of the Township of Old Bridge, Middlesex County, New Jersey (NJDEP Case No. 07-04-18-1110-28). This work was performed on behalf of the Old Bridge Municipal Utilities Authority (OBMUA) and R3M Engineering Inc. pursuant to a Memorandum of Agreement (MOA) between the OBMUA and the New Jersey Department of Environmental Protection (NJDEP), and in accordance with the Bias for Action condition of the Technical Requirements of Site Remediation (NJAC 7:26E-1.11). Pursuant to the Bias for Action, contaminated media should be contained and/or stabilized to prevent exposure to receptors and prevent movement of contaminants through any pathway. In accordance with the MOA the site investigation was limited to an investigation of fill materials located in the sewer construction easement. Additional areas of concern on the site, if any, were not investigated and are not the responsibility of OBMUA.

The site investigation activities were limited to an investigation of fill materials located within a 40-foot wide sanitary sewer construction easement that traverses an approximately 60-acre open space parcel (**Figure 1** and **Figure 2**). The OBMUA plans to abandon a failing gravity sewer line that extends from State Highway Route 35 to a Pump Station near Raritan Bay. A new 30-inch diameter ductile iron pipeline will be installed along a different route.

In April 2007, the New Jersey Department of Environmental Protection (NJDEP) conducted limited soil sampling in order to characterize the fill material on portions of the property (**Appendix A**). Fill soils that locally included accumulations of shredded battery casings, slag, refractory brick, and other waste materials were locally encountered. Elevated concentrations of lead were detected in fill samples at several locations. The NJDEP issued a Notice of Violation (April 18, 2007) to the Township of Old Bridge, citing violations of the Solid Waste Management Act (NJSA 13:1E-1 et seq.) and the Solid Waste Utility Control Act (NJSA 48:13A-1 et seq.) related to the disposal of solid waste on the property as a fill material in the area of Margaret's Creek.

The main objective of this site investigation was to characterize the extent and environmental quality of fill materials within the construction easement. Based on this information, an appropriate workplan for the remediation of contaminated soils in the sewer line construction easement was prepared.

R2-0002059

2.0 PROPERTY DESCRIPTION AND PHYSICAL SETTING

2.1 Location

The 40-foot wide sewer construction easement is located on portions of Lots 54.11 and 54.12 in Block 1 of the Township of Old Bridge ('the site'). The site is located in the Laurence Harbor section of Old Bridge Township, and fronts on Route 35 North (**Figure 1** and **Figure 2**). An existing dirt road extends from a gate on Route 35 northeast toward Raritan Bay. Access is also available through the OBMUA sewage pump station facility located on Boulevard West.

2.2 Topography and Drainage

Based on the Topographic Survey of the Township of Old Bridge (Sheet No. N-3), existing surface elevations along the proposed pipeline route range from approximately 5 to 15 feet msl (NGVD 1988). Elevations in fill areas on the site are locally as high as 28 feet msl. Marquis Creek (a.k.a. Margaret's Creek) is located in the northern portion of the site. Slopes across the easement are generally gentle and oriented to the northwest, north, or northeast. Coastal and freshwater wetlands are present in substantial portions of the site. The Raritan Bay borders the northeast side of the site.

2.3 Geology and Hydrogeology

Surface materials mapped in the project area include estuarine deposits, beach deposits, and artificial fill (Surficial Geology of the Keyport Quadrangle; NJGS OFM 46, 2002; **Figure 3**). Estuarine deposits are mapped over a majority of the site and are typically comprised of salt marsh sediments including silt and clay, fine sand, and peat. Beach deposits are comprised of sand and pebble gravel, and are mapped along Raritan Bay. Artificial fill is mapped above the marsh deposits in the central western portion of the site, as well as along the dirt road that leads to the beach at Raritan Bay.

Surficial geologic deposits in the project area are underlain by the upper Magothy Formation (Bedrock Geologic Map of Central New Jersey, USGS Map I-2540-B, 1998). The Magothy generally consists of sand interbedded with dark gray clays or silts, and is often characterized by rapid lateral and vertical changes in composition.

R2-0002060

3.0 PREVIOUS INVESTIGATIONS

3.1 Site History and Operations

The NJDEP Site Investigation Report (April 18, 2007; **Appendix A**) includes a review of historical aerial photography of the project site. In a 1930 photograph, the property is dominantly tidal marsh. A dirt road traversed the property from Route 35 northeast to Raritan Bay. Several buildings of unidentified use were located along the beach on Raritan Bay. In a 1974 photograph, fill is evident in an approximately 20 acre area of former marshland in the southwestern portion of the site. Residential developments of single family homes are located to the northwest and southeast of the site. The site is currently vacant and is generally comprised of woodland, marshland, and beachfront. A portion of former marsh area in the northwestern part of the site is now open water. The existing Laurence Harbor interceptor sewer located on the property is maintained by the OBMUA.

3.2 Environmental Sampling

Three previous investigations have been conducted at the site. In July 2004, a geotechnical investigation was performed by Icon Engineering to characterize the subsurface conditions along the proposed pipeline route. Eight (8) soil borings were performed in the sewer easement. In addition, three (3) monitoring wells were installed to measure shallow groundwater levels. The geotechnical investigation included limited environmental testing of soil and groundwater to provide a preliminary characterization of waste material that might be generated during construction. Two surficial soil samples (0 to 2 feet bgs) were collected and analyzed for priority pollutants (PP+40). All targeted parameter concentrations were below the most stringent soil cleanup criteria (**Appendix B**). One groundwater sample was collected from each of the three wells, and a single composite sample was analyzed for PP+40. The targeted parameters were either not detected or were detected at concentrations below the New Jersey Class IIA Groundwater Quality Standards (**Appendix B**).

In April 2005, a limited investigation was performed by Icon Engineering to characterize approximately 200 cubic yards (CY) of soil stockpiled in roughly 40 individual piles in the central portion of the site, to the north of the construction easement. The stockpiled soil was being considered as potential backfill material for the sewer installation project. Six (6) soil samples were collected and analyzed for PP+40. No contaminant concentrations exceeded the most stringent NJDEP soil cleanup criteria (**Appendix B**).

In December 2006 and March 2007, the NJDEP conducted a limited site investigation of fill materials on the property. Eleven (11) test pits were excavated to visually characterize the fill material; the test pits were biased to the thickest deposits of fill or to areas with evidence of surficial waste materials. Waste materials observed at several locations in the fill included shredded automotive battery casings, refractory brick, and slag. In March 2007, sixteen (16) soil samples were collected from the fill layer. Samples L-1 through L-13 were collected in areas of accumulated battery casings and analyzed for lead. Samples S-1 through S-4 were collected in areas where refractory brick, slag, and other waste materials were evident, and analyzed for the complete Target Analyte List/Target Compound List (TAL/TCL). Lead exceeded the non-restricted future use soil cleanup criteria (400 ppm) and the restricted use soil cleanup criteria (600 ppm) in fourteen (14) samples (L-1 through L-13 and S-1). In the samples that exceeded the remedial standards the lead level ranged from 701 ppm to 146,000 ppm, with an average concentration of 50,482 ppm. A copy of the NJDEP Site Investigation Report is provided in **Appendix A**.

4.0 TECHNICAL OVERVIEW

The scope of work for the site investigation was based on a Limited Site Investigation Workplan (May 2007) approved by the NJDEP. The main objective of the investigation was to characterize the composition and environmental quality of fill materials within the 40-foot wide construction easement. This information would then be used to evaluate the need for any remediation that might be required in order to implement the sewer construction project. Sample locations are shown on **Figure 4**, and a sampling summary for the site investigation is presented in **Table 1**. Photographs of sample locations are included in **Appendix C**. Sampling was performed in general accordance with the NJDEP Field Sampling Procedures Manual (August 2005).

4.1 Fill Investigation

For the purpose of the investigation, the construction easement is divided into two areas: (1) the main fill area (Station 0+00 to 13+00) and (2) the road/beach area (Station 13+00 to 27+00). The investigation activities were concentrated in the main fill area where historic aerial photos indicate most fill materials on the property were placed. In order to facilitate the field activities, the centerline of the proposed pipeline was survey located with stations marked at 100-foot intervals.

a. Surficial Soil Sampling: XRF Analysis

Metals concentrations in surficial soil samples were screened in the field using a portable X-Ray Fluorescence (XRF) analyzer in general conformance with EPA Method 6200 (Field Portable XRF Spectrometry for the Determination of Elemental Concentrations in Soil and Sediment). The XRF equipment employed in this investigation was manufactured by Innov-X Systems, Inc. (Alpha Series). The equipment uses an energy dispersive x-ray fluorescence method to measure elemental concentrations of thirteen (13) different metals (Hg, Sb, As, Cd, Cr, Co, Cu, Fe, Pb, Mn, Ni, Se, and Zn).

Samples from 0 to 6-inches bgs were collected with a decontaminated stainless steel trowel and placed in individual one-quart plastic bags. Larger gravel and organic fragments were removed and the sample was homogenized (soil clumps were broken and the sample was mixed by kneading the plastic bag). The bagged samples were then analyzed, with the sample thickness typically at least one inch. Replicate measurements of selected samples were performed to qualitatively evaluate the precision of the method and to confirm certain readings.

R2-0002063

In the main fill area, the surficial soils were screened at stations typically spaced at 100-foot intervals (sample stations B-1 through B-7 and SB-1 through SB-6; **Figure 4**). At each station, three (3) samples were typically collected: one sample approximately 10-feet to the left of the centerline (sample A), one sample on the centerline (sample B), and one sample 10-feet to the right of the centerline (sample C). Three (3) additional surficial samples were collected in a suspect fill area in an existing dirt roadway (B-4D, B-4E, and B-5D). Additionally, one (1) sample was collected from 6 to 12-inches bgs (B-4E 0.5-1.0').

A total of forty-three (43) surficial soil samples in the main fill area were therefore screened with the XRF analyzer (**Table 6**). Fifteen (15) of these soil samples (35%) were also analyzed in a laboratory. The samples for laboratory analysis were transferred directly from the XRF bag to laboratory bottles. Six (6) surficial samples were analyzed for TAL metals and TCL base-neutral semi-volatile compounds (SB-1B, SB-2C, SB-3B, SB-4B, SB-5B, and SB-6C; **Table 2**). Nine (9) samples were only analyzed for TAL metals in order to provide additional confirmation on the XRF results (**Table 3**).

In the road/beach area, the surficial soils were screened with the XRF analyzer at approximately 250-foot intervals (samples S-1 through S-3 and S-1A through S-3A; **Figure 4**; **Table 6**). At each location, one sample collected along the pipe centerline was screened. Three (3) of the samples were also analyzed in a laboratory for TAL metals (S-1 through S-3; **Table 4**).

b. Test Pits

Test pits were excavated at seven (7) locations in the main fill area (TP-1 through TP-7; **Figure 4**). The purpose of the test pits was to evaluate the fill composition, including any larger debris or rubble that may potentially be present in the fill layer. Hill Remediation and Construction Services (Pennington, New Jersey) performed the test pit excavations on May 14, 2007, as directed in the field by ICON/CME. A rubber-tire backhoe was utilized. The depth of the test pits varied between 6 and 12 feet bgs. Test pit logs are included in **Appendix D**.

c. Soil Borings

Geoprobe direct-push soil borings were performed to evaluate the fill composition and thickness and to collect samples for laboratory analysis (SB-1 through SB-6, GB-1 through GB-5; **Figure 4**). In the main fill area, sets of soil borings were performed at stations typically spaced at 200-foot intervals (SB-1 through SB-6). At each station,

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three (3) borings were performed: boring A was located approximately 10-feet to the left of the centerline, boring B was located on the centerline, and boring C was located approximately 10-feet to the right of the centerline. Additional borings were performed to evaluate the fill thickness at selected intermediate locations along the centerline (GB-1 through GB-5). A total of twenty-three (23) soil borings were performed. The borings were advanced until the natural soil profile was encountered, and the depth of the borings ranged from 10 to 20 feet bgs. Boring logs are included in **Appendix D**.

Hill Remediation and Construction Services (Pennington, New Jersey) performed the soil borings on May 11 and 14, 2007, as directed in the field by ICON/CME. Geoprobe 66DT boring equipment was utilized, with approximately 2-inch diameter soil cores retrieved in 5-foot long dedicated disposable acetate sleeves. All soils were screened for any volatile emissions with a photo-ionization detector (MiniRAE 2000 PID). Boreholes were backfilled with the soil cuttings.

d. Soil Sampling and Laboratory Analysis

Surficial Soil Sample Collection

Surficial soil samples were collected from the 0 to 6-inch depth interval using a decontaminated stainless steel trowel. All surficial soil samples were initially placed in individual one-quart plastic bags and screened in the field using a portable XRF analyzer (see Section 4.1a above). Larger gravel and organic fragments were removed and the sample was homogenized. Upon completion of the XRF screening, samples for laboratory analysis were transferred directly from the XRF bag to laboratory bottles.

The purpose of the laboratory analysis of surficial soil samples was to:

(1) Characterize typical historic fill contaminants in the upper portion of the fill layer (this may include contaminants associated with specific fill materials as in roadways, as well as contaminants that may have migrated down-gradient from known contaminated areas as a result of erosion and sediment transport); and

(2) Provide confirmation of the XRF results.

In the main fill area, a total of fifteen (15) surficial samples were collected for laboratory analysis. Six (6) surficial samples were analyzed for TAL metals and TCL base-neutral semi-volatile compounds (SB-1B, SB-2C, SB-3B, SB-4B, SB-5B, and SB-6C; **Table 2**). Nine (9) surficial samples were only analyzed for TAL metals (**Table 3**).

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In the road/beach area, three (3) surficial soil samples were collected for laboratory analysis of TAL metals (S-1 through S-3; **Figure 4**). Where present, surficial soil samples were biased to areas of suspected contamination (e.g. soil containing battery casing chips).

Deep Soil Sample Collection

Deeper samples in the main fill area were collected from the Geoprobe soil borings (see Section 4.1c above). A total of eight (8) soil samples were collected from the fill layer at depths that varied between 1.5 and 9-feet bgs. Discrete samples were collected from 6-inch intervals and transferred directly from the boring sleeves to laboratory bottles. Samples were biased to possible indications of contamination, if any. Where distinctly different types of fill soils were present, discrete samples of each type were collected.

The purpose of the laboratory analysis of the deeper samples was to characterize potential contamination in the different fill types placed on the site. Each sample was analyzed for the full Target Compound List (TCL) and Target Analyte List (TAL) contaminants (**Table 2**).

4.2 Groundwater Sampling

a. Monitoring Wells

In July 2004, three (3) groundwater monitoring wells were installed in or immediately adjacent to the sewer construction easement (MW1, MW2, MW3; **Figure 4**). The purpose of the wells was to measure shallow water levels and collect information needed to evaluate dewatering requirements for the proposed pipeline installation. Each well consists of 4-inch diameter PVC casing installed in an approximately 10-inch diameter auger borehole. The nominal well depths are 20 feet (MW1) and 15 feet (MW2 and MW3). The lower 10 feet of each well was screened with prefabricated 10-slot (0.010-inch) PVC screen. The wells were generally screened in the silty marsh deposits in which much of the pipeline excavation is expected to occur. A filter pack of No. 1 quartz sand was placed between the PVC screen and the borehole wall, from the bottom of the borehole to approximately 1 foot above the top of the screen. An approximately 1-foot thick bentonite seal was installed above the filter pack, and the portion of the borehole above the seal was backfilled with drill cuttings. A stick-up steel outer casing and concrete cap was installed at the top of each well. As-built well construction details are presented in **Appendix E**. The wells were initially developed at the time of installation as well as during pump tests conducted in July 2004. On May 3, 2007, the wells were re-developed using a submersible pump.

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b. Sample Collection and Laboratory Analysis

In order to obtain an assessment of groundwater quality along the construction easement, the existing wells MW-1, MW-2, and MW-3 were sampled on May 17 and 18, 2007. Static water levels were measured with an electronic water probe. A peristaltic pump and dedicated disposable polyethylene tubing was used to purge the wells, with the pump intake set approximately midway in the pre-purge static water column. Water quality indicator parameters including temperature, pH, conductivity, turbidity, and salinity were monitored during purging using a multi-parameter water quality meter (Horiba U22). Monitoring well field sampling forms are included in **Appendix F**. After a sufficient water volume was removed, the pump rate was reduced to a low flow condition (~0.5 l/min). Samples were collected after the water quality parameters had stabilized at low flow. Samples for metals analysis were collected first by transferring the pump outflow directly into laboratory bottles. Samples for volatile organics analysis were then collected using dedicated disposable Teflon bailers. Samples were transferred in the field to laboratory bottles with appropriate preservative as required. Samples from each well were analyzed for TCL volatile organic compounds (TCL VO+10) and for TAL metals.

4.3 Quality Assurance

The data quality objective for the limited site investigation was to provide an initial characterization of the historic fill materials present in the sewer construction easement. The investigation included the collection and laboratory analysis of soil and groundwater samples as described in previous sections. Quality assurance protocol included the following:

- All sample bottles were stored in a cooler with ice packs and delivered to a New Jersey certified laboratory with proper chain-of-custody (Hampton-Clarke, Inc. Veritech Laboratories; NJEP Certification No. 14622).
- Sample containers of sufficient volume for the specified target parameters were provided by the laboratory, including appropriate sample preservatives where required. Samples were submitted to the laboratory within 48 hours of collection. All sample holding times for the specified analyses were in conformance with the NJDEP Field Sampling Procedures Manual (August 2005).
- Non-aqueous laboratory samples were analyzed using EPA specified methods (Test Methods for Evaluating Solid Waste, SW-846, Third Edition); aqueous samples were analyzed using appropriate methods, including EPA SW-846, 40 CFR Part 136, and the Method for the Chemical Analysis of Water and Wastes (EPA 600/4-79-020).

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- Laboratory results are in a Reduced Laboratory Data Deliverable format that complies with NJAC 7:26E-2.1. Laboratory non-conformance summaries are included in the reduced deliverable reports.
- Reporting Limits (RL) for target analytes for EPA SW846 methods are reported to the Practical Quantitation Limit (PQL).
- The applicable remediation standards used to evaluate the soil analytical results are the NJDEP Soil Cleanup Criteria (last revised May 12, 1999). RL that exceed the unrestricted use SCC for individual target contaminants are indicated in the analytical result summary tables.
- The applicable remediation standards used to evaluate the surface water analytical results are the Ground Water Quality Standards (NJAC 7:9C). RL that exceed the applicable groundwater quality standards for individual target contaminants are indicated in the analytical result summary tables.
- Dedicated disposable sampling equipment was used where possible (e.g., Geoprobe acetate sleeves, polyethylene and silicon pump tubing).
- Soil samples for volatile organics analysis were collected in individual 25-gram EnCore type samplers.
- Reusable sampling equipment (e.g., stainless steel trowels) were decontaminated in the field using the following procedure: (1) removal of heavy soil; (2) scrub with Alconox detergent solution; (3) rinse with distilled water and air dry; and (4) rinse with 5% acetic acid solution and air dry.
- One field blank sample was collected to confirm the decontamination procedure. In the field during the sampling activities, laboratory provided de-ionized water was run over decontaminated sampling equipment (e.g. stainless steel trowel) directly into lab bottles. The field blank sample was analyzed for the same parameters as the soil samples (TCL VO+10, BNA+25, and TAL metals).
- Trip blanks accompanied the laboratory bottle shipments for each aqueous sampling event (Trip Blank 5-11-07 and Trip Blank 5-18-07). The trip blanks were analyzed for volatile organic compounds (VO+10).

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5.0 SITE INVESTIGATION FINDINGS

Sample analytical results with comparison to the applicable remediation standards are summarized in **Table 2** through **Table 5**. XRF results are summarized in **Table 6**. Soil boring and test pit logs are included in **Appendix D**. Laboratory summary reports are included as **Appendix G**, and the Reduced Data Delivery Reports are included as **Attachment A**.

5.1 Extent and Composition of Fill Layer

The approximate vertical limit of the fill layer is shown in a cross-section along the proposed pipeline (**Figure 5**). The thickness of the fill layer within the area of investigation varies from about 7.5 to 15 feet. The elevation of the base of the fill layer varies from +5 to -5 feet msl.

The following observations regarding the fill composition are noted:

- The fill material encountered in the investigation consists of soils varying from brownish yellow sand to dark gray clay.
- The surficial fill in and adjacent to the roadway area from station 7+00 to station 9+00 is typically fine to medium sand with little gravel and little silt; the gravel fraction includes quartz pebbles, brick fragments, and black plastic battery casing chips. The battery casing chips are most abundant in the upper 6-inches and are consistent with the material present in other areas of the site that were previously investigated by the NJDEP (**Appendix A**).
- Buried rubble and debris consisting of concrete, wood, and a rubber tire was encountered at one location in the fill layer (TP-6).
- No elevated PID readings or odors indicative of contamination were observed in the fill layer.
- The undisturbed natural soil profile directly beneath the fill layer is variable, and includes mottled gray and yellowish brown silt with little sand, soft dark gray organic silt with little peat, and stiff dark gray clay and silt.

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5.2 Environmental Quality of Fill Materials

The analytical results for both the XRF field screening and laboratory soil testing are compared to the New Jersey Soil Cleanup Criteria (SCC; last revised May 12, 1999). The laboratory results for soil analyses are summarized in **Table 2** through **Table 4**. XRF results are summarized in **Table 6**. Samples with detected contaminants that exceed the SCC are indicated in **Figure 6**.

Based on both the XRF and the laboratory analyses, the following observations regarding contamination in the fill soils are noted:

- Elevated lead levels were observed in surficial soil samples from station 7+00 to station 9+00. Lead levels ranged up to 24,000 mg/kg (Sample B-4E), compared to the direct contact soil cleanup criterion of 400 mg/kg for residential use and 600 mg/kg for non-residential use. The samples with high lead levels corresponded to the sandy soils that contained trace amounts of battery casing chips.
- The antimony level was elevated in the surficial soil sample at location B-4E. Antimony was detected at 110 mg/kg, compared to the most stringent SCC of 14 mg/kg.
- The metals contamination appears to be limited to surficial soils. The highest laboratory confirmed lead concentration in the easement was 24,000 mg/kg at sample location B-4E from 0 to 6-inches bgs. The lead concentration was 610 mg/kg in a sample from 6 to 12-inches bgs at the same location. Antimony and arsenic levels were below the SCC in this sample. The targeted metal levels in deeper fill soils throughout the area of investigation were generally below the most stringent SCC; a slightly elevated arsenic level in one sample may reflect a naturally occurring condition.
- Arsenic was detected at 23 mg/kg in a sample from 8.5 to 9.0 feet bgs at location SB-4C. The most stringent SCC for arsenic is 20 mg/kg. The slightly elevated arsenic concentration in this sample is likely naturally occurring due to the presence of regraded silty marsh soils in the fill layer.
- The XRF results for lead, the main contaminant of concern at the site, were generally consistent with the analytical laboratory confirmation results (**Table 7**). The XRF results compared less favorably for other potential metal contaminants, including mercury, cadmium, and arsenic. Based on the laboratory results, these metals are not contaminants of concern at the site.
- No surficial or deep contamination in the fill layer is indicated from pipeline station 0+00 through station 6+00.

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- No surficial or deep contamination in the fill area is indicated from pipeline station 10+00 through station 13+00.
- No surficial contamination is indicated in the road/beach area from pipeline station 13+00 through station 27+00.

The lead and antimony contamination appears to be restricted to surficial soils in a limited area of the construction easement. The contaminated area extends from some point prior to pipeline station 7+00 to some point after station 9+00, and is near the intersection of two existing dirt roads. The lead contaminated soil is typically gravelly sand that comprises the road surface and contains varying amounts of battery casing chips. Elevated lead levels are commonly associated with soils containing crushed battery debris. The battery chips may have been placed as a type of gravel to stabilize portions of the roadway, or may have been tracked along the roadway from a source area. More abundant battery chips are evident at the surface along the main site roadway near the Route 35 site entrance, in one of the areas previously investigated by the NJDEP. In that area of the site, lead levels as high as 106,000 mg/kg were reported in surface soils. Regardless of how the contamination originated, the lead contamination in the pipeline easement appears to be a surficial problem and does not significantly extend below a depth of about 1-foot bgs. In the area of investigation, no battery casing debris was observed below the upper one foot of soil.

5.3 Groundwater Quality

Groundwater sampling results are summarized in **Table 5** with comparison to the Class IIA Groundwater Quality Standards (GWQS; NJAC 7:9C). Contaminants that exceed the Class IIA are indicated in **Figure 7**. The following observations regarding groundwater quality at the site:

- In the MW-1 sample, iron and manganese exceeded the GWQS. Additionally, the field measured pH was low.
- In the MW-2 sample, aluminum, arsenic, beryllium, iron, manganese, and sodium exceeded the GWQS. Additionally, the field measured pH was low.
- In the MW-3 sample, iron and manganese exceeded the GWQS. Additionally, the field measured pH was low.

No correlation is evident between the groundwater quality and the surficial soil contamination that is locally present in the easement or in other areas of the site. The primary contaminant of concern at the site is lead, and lead was below the Class IIA standard in each of the three wells. The groundwater quality at the site, particularly in the MW-2 area, likely reflects the marsh conditions. The MW-2 well is screened in

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naturally acid-producing organic silt marsh deposits that were locally disturbed and aerated by the well installation. Regardless, due to the site location adjacent to the saline waters of Raritan Bay, the shallow groundwater at the site is likely not suitable for potable use. The actual classification for the site groundwater would likely be Class III.

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6.0 REMEDIAL ACTION WORKPLAN

6.1 Remedial Action Selection

Contaminated fill material is present within limited portions of the sewer construction easement. Upon excavation the contaminated soil would become a regulated waste material and must be appropriately managed as such. The remediation of the contaminated fill material within the construction easement will thus be coordinated with the sewer construction activities. Due to the apparent limited extent of contamination in the easement, excavation and offsite disposal of the contaminated fill is a feasible remedial approach. The remedial activities should be completed prior to the initiation of pipeline construction in this area of the easement. Any contaminated areas outside the construction easement are not the responsibility of the OBMUA and are not addressed in this workplan.

6.2 Contaminants of Concern and Remedial Standards

The site investigation findings indicate that contaminated soil is only present in a limited section of the construction easement and appears to be surficial. Based on the laboratory analytical results, the contaminants of concern are metals including lead, antimony, arsenic, and chromium. Each of these metals was detected at concentrations that exceed the most restrictive soil remediation standards. The applicable remediation standards for this project are the New Jersey Residential Direct Contact Soil Cleanup Criteria (RDCSCC; last revised May 12, 1999) as follows:

Parameter	RDCSCC (mg/kg)
lead	400
antimony	14
arsenic	20
hexavalent chromium	240*

*Non-Residential SCC for hexavalent chromium is 20 mg/kg

6.3 Excavation Limits

Based on the verified clean locations as indicated by the available laboratory analytical data, the maximum longitudinal extent of soil contamination extends from station 6+00 to station 10+00 (**Figure 8**). A full delineation was not performed, so the contamination is assumed to extend laterally through the full 40-foot width of the easement. Based on the limited vertical delineation sampling within this area of the easement, the vertical extent of contamination is assumed to extend to 1-foot bgs. Thus, the maximum estimated

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volume of contaminated soil is approximately 600 cubic yards (CY). Based on the XRF field screening, the limits of the excavation may be modified (increased or decreased) at the time of remediation.

6.4 Restricted Access Areas

The lateral extent of contamination outside the 40-foot wide construction easement has not been delineated. Site access during remedial and construction activities will therefore be restricted in order to avoid the disturbance of potentially contaminated soils outside the immediate remediation area. The remediation area, staging area, and construction access road are indicated on the soil remediation plan (**Figure 8**). Appropriate safety fencing will be installed at the limit of the remediation area in order to provide a visual and physical barrier that will prevent disturbance outside the remediation area.

Additionally, access to known contaminated areas sampled by the NJDEP will be restricted in order prevent the spreading of contaminated soils. In particular, access along the main site road that extends from the existing gate at Route 35 will be prohibited during the remediation and subsequent pipeline construction activities.

6.5 Post-Excavation Sampling

Post-excavation sampling is required to confirm the effectiveness of the remedial action. The post-excavation sampling may be performed in the field using XRF equipment, with limited laboratory confirmation analyses. Laboratory confirmation of the contaminants of concern will be performed on at least 10 percent of the post-excavation samples with a minimum of two laboratory samples. The laboratory samples will be biased to the soil with the highest XRF contaminant concentrations.

Post-excavation bottom samples with the XRF will be performed at a minimum frequency of one (1) sample per nine-hundred (900) square feet of excavation area. Based on the assumed remedial area of 16,000 square feet, approximately eighteen (18) post-excavation bottom samples will be analyzed with XRF; at least two (2) samples will be delivered to a State certified laboratory for analytical confirmation of the lead, antimony, arsenic, and hexavalent chromium concentration. Additionally, three (3) post-excavation samples will be collected along each longitudinal edge of the excavation (i.e., at station 6+00 and station 10+00). One (1) sample from each edge will be delivered to a State certified laboratory for analytical confirmation of the lead, antimony, arsenic, and hexavalent chromium concentration. Thus, for the assumed excavation area, a total of twenty-four (24) post-excavation XRF samples are proposed, of which four (4) will also be laboratory

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analyzed. Post-excavation samples will be biased to any areas containing battery casing chips.

6.6 Stockpile and Waste Classification Testing

Excavated contaminated soils will be placed in a temporary stockpile area pending waste classification testing (**Figure 8**). Stockpiled soil will be placed on, and covered with, 10-mil plastic sheeting (or equivalent tarpaulin) that will be secured to prevent wind displacement. Silt fence will be installed around the perimeter of the stockpile area for soil erosion control. An appropriate number of waste classification samples shall be collected for analysis of RCRA characteristics including a full Toxicity Characteristic Leachate Procedure (TCLP). At the completion of the remediation, all plastic sheeting will be properly disposed as contaminated material.

6.7 Dust Control

Due to the locally high lead levels in the soil, airborne dust monitoring shall be performed during remedial activities. Dust monitoring will be performed using a particulate meter (TSI DustTrak Aerosol Monitor; MIE pDR-4000 Data Ram; or equivalent) to ensure that dust concentrations are acceptable. Dust monitoring will be performed at least hourly in work area locations and at the downwind site boundary. The monitoring frequency may be increased based on conditions in the work areas. Site specific action levels for the dust monitoring are defined in the Health and Safety Plan (**Attachment B**). Dust suppression procedures will include wetting the ground surface or source of dust. A water truck or equivalent source will be maintained onsite for this purpose.

6.8 Construction Staging, Storage, and Access Areas

Construction storage and staging areas, and haul roads have been situated outside of known contaminated zones (**Figure 8**). The construction entrance and tracking pad will be located at the northern site entrance from Route 35 (use of the existing main site road to the south is prohibited due to surficial soil contamination).

6.9 Decontamination

A vehicle tracking pad and equipment decontamination zone will be setup at the boundary of the remediation area (**Figure 8**). The tracking pad will be comprised of clean stone placed over a suitable geotextile. Equipment will be steam cleaned upon leaving the remediation area. A temporary decontamination water collection system will be installed, including an impermeable base. Decontamination water will be collected and disposed

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offsite at an appropriate facility. At the end of the remediation, the tracking pad material will be collected and disposed as contaminated material. A personnel decontamination zone will also be setup at the boundary of the remediation area, including a wash station and drums for disposable personal protective equipment.

6.10 Post-Remedial Construction Monitoring

Following completion of the soil remedial action, installation of the pipeline throughout its length will be monitored for any indication of contamination or buried debris, including but not limited to battery casing debris. Dust monitoring should also be performed during the main pipeline installation.

6.11 Restoration

The remediation area will be fully restored following installation of the pipeline. The remedial excavation will be backfilled with certified clean soil; grass seed will be planted to stabilize the disturbed areas.

6.12 Permitting

The Soil Erosion and Sediment Control Plan will be revised and submitted to the Freehold Soil Conservation District for certification. The soil remedial action will be performed under the existing Waterfront Development Permit and approval for the pipeline project. Because some parameters exceed the groundwater quality standards, a Permit-by-Rule will be acquired for the return of any groundwater removed during dewatering of the pipeline construction trenches.

6.13 Groundwater Management

Groundwater is not expected to be encountered during the remedial activities, in which the excavation will only extend to approximately 1-foot bgs. Groundwater dewatering is expected to be required during installation of the pipeline. Water should be disposed outside of known contaminated areas. A Permit by Rule should be obtained for dewatering disposal.

6.14 Health and Safety

A site specific Health and Safety Plan (HASP) for remedial activities associated with the sewer construction has been prepared in accordance with applicable standards (NJAC 7:26E-1.9; 29 CFR 1910 & 29 CFR 1926; **Attachment B**). The HASP addresses potential job

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hazards specifically related to the handling of contaminated soils, and specifies minimum safety training requirements, safety responsibilities, control measures, monitoring requirements, appropriate personnel protective equipment, decontamination procedures, and emergency procedures. The HASP will be applicable to all personnel working at the site, and will supplement individual contractor's health and safety plans for specific activities as well as industry safety standards. Prior to mobilization, copies of the HASP will be provided to all construction contractors, consultants, and any other field personnel.

6.15 Schedule

The remediation will be performed prior to the main pipeline construction, and is expected to begin by October 1, 2007. The remediation, including setup, excavation, and soil disposal, is expected to be completed in approximately four (4) weeks, and should thus be completed by November 1, 2007.

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Appendix G

EPA September 2008 Sampling Results (Phase I)

SAMPLING TRIP REPORT

SITE NAME: Raritan Bay Slag Site
DCN No.: RST 2 – 02 – F – 0708
W.O. No.: 20401.032.010.2064
Case No.: 37836

EPA I.D. NO.: NJN000206276

SAMPLING DATES: September 10, 2008 through September 16, 2008 (excluding September 13 and 14)

1. Site Location: Refer to Figure 1

2. Sample Locations: Refer to Figure 2

3. Sample Descriptions: Refer to Table 1

4. Laboratory Receiving Samples:

Analysis	Name and Address of Laboratory
Target Analyte List (TAL) metals and dissolved metals (excluding mercury, including tin), and Toxicity Characteristic Leaching Procedure (TCLP) metals	Bonner Analytical Testing Company 2703 Oak Grove Road Hattiesburg, MS 39402
Grain-size distribution	Test America Laboratories 30 Community Drive, Suite ll South Burlington, VT 05403

5. Sample Dispatch Data:

Twelve aqueous samples for low concentration TAL metals analysis, 12 aqueous samples for low concentration dissolved TAL metals analysis, and 23 soil/sediment samples for low concentration TAL metals analysis were shipped to Bonner Analytical Testing Company (Bonner Analytical) on 9/10/2008 at 1730 hours via Federal Express Airbill No. 8541 0029 6945. Thirteen sediment samples for grain-size distribution analysis were shipped to Test America Laboratories (Test America) on 9/10/2008 at 1730 hours via Federal Express Airbill No. 8541 0029 6577.

Four aqueous samples for low concentration TAL metals analysis, three aqueous samples for low concentration dissolved TAL metal analysis, 57 soil/sediment samples for low concentration TAL metals analysis, and 13 soil samples for medium concentration TAL metals analysis (six of which also included TCLP metals analysis) were shipped to Bonner Analytical on 9/11/2008 at 1730 hours via Federal Express Airbill No. 8541 0029 6912. Twelve sediment samples for grain-size

distribution analysis were shipped to Test America on 9/11/2008 at 1730 hours via Federal Express Airbill No. 8541 0029 6923.

Sixty-five soil/sediment samples for low concentration TAL metals analysis were shipped to Bonner Analytical on 9/12/2008 at 1630 hours via Federal Express Airbill No. 8541 0029 6901. Thirty-four sediment samples for grain-size distribution analysis were shipped to Test America on 9/12/2008 at 1630 hours via Federal Express Airbill No. 8541 0029 6897.

Ten aqueous samples for low concentration TAL metals analysis, nine aqueous samples for low concentration dissolved TAL metals analysis, and 13 soil/sediment samples for low concentration TAL metals analysis, and seven soil samples for medium concentration TAL metals analysis (five of which also included TCLP metals analysis) were shipped to Bonner Analytical on 9/15/2008 at 1730 hours via Federal Express Airbill No. 8541 0029 6522. Nine sediment samples for grain-size distribution analysis were shipped to Test America on 9/15/2008 at 1730 hours via Federal Express Airbill No. 8541 0029 6533.

One aqueous sample for low concentration TAL metals analysis and 11 soil/sediment samples for low concentration TAL metals analysis were shipped to Bonner Analytical on 9/16/2008 at 1645 hours via Federal Express Airbill No. 8541 0029 6496. Eleven sediment samples for grain-size distribution analysis were shipped to Test America on 9/16/2008 at 1645 hours via Federal Express Airbill No. 8541 0029 6441.

6. On-Site Personnel:

Name	Company	Duties on Site
Dan Gaughan	WESTON	Project Manager, Site Health and Safety Officer, Sampler
Scott Snyder	WESTON	Sample Management Officer (SMO)
Kelli Lucarino	WESTON	Sampler, Global Positioning System (GPS) Data Collection
Julissa Morales	WESTON	Sampler, GPS Data Collection
Matt Foster	WESTON	Sampler
Kristen Sharp	WESTON	Sampler
Nick Magriples	EPA	EPA Oversight

7. Additional Comments:

From September 10 through September 16, 2008, Weston Solutions, Inc. (WESTON®) personnel collected surface soil, sediment, and surface water samples from the Raritan Bay Slag Site to determine the priority for further action under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). A total of 105 surface soil samples (including six environmental duplicate samples), 84 sediment samples (including four environmental duplicate samples), and 48 surface water samples (including four environmental duplicate samples) were collected from the site and a nearby background location.

All surface soil samples were collected at depth of 0 to 2 inches. Soil samples collected in areas adjacent to the slag were proposed to be collected at additional depth intervals of 6 to 12 inches and

12 to 18 inches. However, obstructions such as slag and rock were encountered during collection of the samples at depth. Therefore, of the 11 proposed samples at each depth, only six samples were collected from the 6 to 12 inch interval and only three samples were collected at the 12 to 18 inch interval. Surface soil samples were collected using a dedicated plastic scoop to scrape away surficial organic material (grass, leaves, etc.) and to remove the top layer of vegetation/soil/fill material. Soil samples collected at a depth of 6 to 18 inches were obtained using decontaminated, stainless-steel augers and dedicated, disposable plastic scoops: The soil sample was obtained by augering soil from the location of the previously collected 0 to 2 inch sample to the required depth below the surface. Once the soil from the appropriate depth was obtained, it was transferred into a dedicated plastic container using the dedicated plastic scoop and homogenized. The homogenized soil was then transferred into the required sample containers using the dedicated plastic scoop. All remaining soil, not used for laboratory analysis, was discarded at the sampling location.

Sediment samples were collected at a depth of 0 to 3 inches. Sediment samples were collected using a dedicated, disposable plastic scoop, allowing any excess surface water to drain from the sampling device. A petite ponar dredge was used to collect sediment samples from locations under several feet of water adjacent to the Cheesequake Creek inlet western jetty. The petite ponar dredge was decontaminated prior to each sample location. After collection, the sediment was transferred into a dedicated plastic container using the dedicated plastic scoop and homogenized. The homogenized sediment was then transferred into the required sample containers using the dedicated plastic scoop. All remaining sediment, not used for laboratory analysis, was discarded at the sampling location.

Surface water samples were collected moving in an upstream direction when appropriate, and collected prior to sediment samples if co-located. In a deviation from the Sampling and Quality Assurance Project Plan (SAQAPP), surface water sample RBS-SW17 was collected prior to and upstream of sample RBS-SW18. WESTON began collection of the samples at a location midway between the footbridge over Margaret's Creek and Raritan Bay and planned to collect an upgradient sample near the footbridge. The EPA On-Scene Coordinator directed WESTON to collect the second sample at the intersection of Margaret's Creek and Raritan Bay. Surface water samples were collected directly into the sample container by partially submerging the sample bottle and collecting the sample. Three rinsate blanks (two for plastic scoop, plastic container, and decontaminated stainless-steel augers and one for the petite ponar dredge) were collected for quality assurance/quality control (QA/QC) purposes. Surface water sample numbers containing a 'D' indicates that the samples were analyzed for Dissolved Metals.

All sample locations were recorded electronically using GPS technology. Post-processing differential correction of the GPS data was conducted in accordance with the EPA Region 2 GPS Standard Operating Procedures (SOP). The processed GPS data were then transferred to the Sample Location Map (Figure 2) using Geographic Information Systems (GIS).

All samples were collected as part of the Integrated Assessment (IA) evaluation conducted on site. Samples collected by WESTON were designated for analysis of TAL metals (including tin) (soil, sediment, and surface water), dissolved metals (surface water), and TCLP metals (select surface soil samples) through the EPA Contract Laboratory Program (CLP). Sediment samples were sent for grain size distribution analysis through a non-CLP laboratory. Inorganic Traffic Reports and non-CLP chains of custody are presented in Attachment 1.

8. Report Prepared by: Julissa Morales Date: 10/15/08
Julissa Morales

9. Report Approved by: W. S. Butterfield Date: 10/15/08
W. S. Butterfield, CHMM

TABLE 1
SAMPLE DESCRIPTIONS
RARITAN BAY SLAG SITE
OLD BRIDGE AND SAYREVILLE, NEW JERSEY

SAMPLE NUMBER	ORGANIC CLP NO.	DATE	TIME	COMMENTS
RBS-S01A	MB52W5	9/11/08	1404	Soil sample from the seawall; depth: 0-2 inches (in). Matrix spike/matrix spike duplicate (MS/MSD) for quality assurance/quality control (QA/QC) purposes.
RBS-S01B	MB52W6	9/11/08	1410	Soil sample from the seawall; depth: 6-12 in.
RBS-S02A	MB52W8	9/11/08	1421	Soil sample from the seawall; depth: 0-2 in.
RBS-S02B	MB52W9	9/11/08	1431	Soil sample from the seawall; depth: 6-12 in.
RBS-S03A	MB52X1	9/11/08	1437	Soil sample from the seawall; depth: 0-2 in.
RBS-S04A	MB52X4	9/11/08	1456	Soil sample from the seawall; depth: 0-2 in.
RBS-S04B	MB52X5	9/11/08	1502	Soil sample from the seawall; depth: 6-12 in.
RBS-S05A	MB52X7	9/11/08	1510	Soil sample from the seawall; depth: 0-2 in.
RBS-S06A	MB52Y0	9/11/08	1515	Duplicate of sample RBS-S05A for QA/QC purposes.
RBS-S07A	MB52Y1	9/15/08	1003	Soil sample from the jetty; depth: 0-2 in.
RBS-S07B	MB52Y2	9/15/08	1006	Soil sample from the jetty; depth: 6-12 in.
RBS-S07C	MB52Y3	9/15/08	1011	Soil sample from the jetty; depth: 12-18 in.
RBS-S09A	MB52Y7	9/11/08	0855	Soil sample from the area between the seawall and the first jetty; depth: 0-2 in.
RBS-S09B	MB52Y8	9/11/08	0905	Soil sample from the area between the seawall and the first jetty; depth: 6-12 in.
RBS-S09C	MB52Y9	9/11/08	0915	Soil sample from the area between the seawall and the first jetty; depth: 12-18 in.
RBS-S10A	MB52Z0	9/11/08	0856	Soil sample from the area between the seawall and the first jetty; depth: 0-2 in.
RBS-S10B	MB52Z1	9/11/08	0911	Soil sample from the area between the seawall and the first jetty; depth: 6-12 in.
RBS-S10C	MB52Z2	9/11/08	0923	Soil sample from the area between the seawall and the first jetty; depth: 12-18 in.
RBS-S11	MB52Z3	9/11/08	0958	Soil sample from the area between the seawall and the first jetty; depth: 0-2 in.
RBS-S12	MB52Z4	9/11/08	1000	Duplicate of sample RBS-S11 for QA/QC purposes.
RBS-S13	MB52Z5	9/11/08	0959	Soil sample from the area between the seawall and the first jetty; depth: 0-2 in.
RBS-S14	MB52Z6	9/11/08	1008	Soil sample from the area between the seawall and the first jetty; depth: 0-2 in.
RBS-S15	MB52Z7	9/11/08	1009	Soil sample from the area between the seawall and the first jetty; depth: 0-2 in.
RBS-S16	MB52Z8	9/11/08	1004	Soil sample from the area between the seawall and the first jetty; depth: 0-2 in.
RBS-S17	MB52Z9	9/11/08	1025	Soil sample from the area between the seawall and the first jetty; depth: 0-2 in.
RBS-S18	MB5300	9/11/08	1020	Soil sample from the area between the seawall and the first jetty; depth: 0-2 in.
RBS-S19	MB5301	9/11/08	1015	Soil sample from the area between the seawall and the first jetty; depth: 0-2 in.
RBS-S20	MB5302	9/11/08	1010	Soil sample from the area between the seawall and the first jetty; depth: 0-2 in.
RBS-S21	MB5303	9/11/08	1008	Soil sample from the area between the seawall and the first jetty; depth: 0-2 in.

TABLE 1 (continued)
SAMPLE DESCRIPTIONS
RARITAN BAY SLAG SITE
OLD BRIDGE AND SAYREVLLE, NEW JERSEY

SAMPLE NUMBER	ORGANIC CLP NO.	DATE	TIME	COMMENTS
RBS-S22	MB5304	9/11/08	1000	Soil sample from the area between the seawall and the first jetty; depth: 0-2 in.
RBS-S23	MB5305	9/11/08	0955	Soil sample from the area between the seawall and the first jetty; depth: 0-2 in.
RBS-S24	MB5306	9/11/08	0945	Soil sample from the area between the seawall and the first jetty; depth: 0-2 in.
RBS-S25	MB5307	9/11/08	0950	Duplicate of sample RBS-S24 for QA/QC purposes.
RBS-S27	MB5309	9/11/08	1029	Soil sample from the area between the first jetty and the second jetty; depth: 0-2 in.
RBS-S28	MB5310	9/11/08	1031	Soil sample from the area between the first jetty and the second jetty; depth: 0-2 in.
RBS-S29	MB5311	9/11/08	1035	Soil sample from the area between the first jetty and the second jetty; depth: 0-2 in.
RBS-S30	MB5312	9/11/08	1039	Soil sample from the area between the first jetty and the second jetty; depth: 0-2 in.
RBS-S31	MB5313	9/11/08	1041	Soil sample from the area between the first jetty and the second jetty; depth: 0-2 in.
RBS-S32	MB5314	9/11/08	1045	Soil sample from the area between the first jetty and the second jetty; depth: 0-2 in.
RBS-S33	MB5315	9/11/08	1049	Soil sample from the area between the first jetty and the second jetty; depth: 0-2 in.
RBS-S34	MB5316	9/11/08	1054	Soil sample from the area between the first jetty and the second jetty; depth: 0-2 in.
RBS-S35	MB5317	9/11/08	1056	Soil sample from the area between the first jetty and the second jetty; depth: 0-2 in.
RBS-S36	MB5318	9/11/08	1059	Soil sample from the area between the first jetty and the second jetty; depth: 0-2 in.
RBS-S37	MB5319	9/12/08	0833	Soil sample from the area between the third jetty and the Cheesequake Creek inlet eastern jetty; depth: 0-2 in.
RBS-S38	MB5320	9/12/08	0836	Soil sample from the area between the third jetty and the Cheesequake Creek inlet eastern jetty ; depth: 0-2 in.
RBS-S39	MB5321	9/12/08	0837	Soil sample from the area between the third jetty and the Cheesequake Creek inlet eastern jetty ; depth: 0-2 in.
RBS-S40	MB5322	9/12/08	0841	Soil sample from the area between the third jetty and the Cheesequake Creek inlet eastern jetty; depth: 0-2 in.
RBS-S41	MB5323	9/12/08	0841	Soil sample from the area between the third jetty and the Cheesequake Creek inlet eastern jetty; depth: 0-2 in.
RBS-S42	MB5324	9/12/08	0850	Soil sample from the area between the third jetty and the Cheesequake Creek inlet eastern jetty; depth: 0-2 in.
RBS-S43	MB5325	9/12/08	0847	Soil sample from the area between the third jetty and the Cheesequake Creek inlet eastern jetty; depth: 0-2 in. MS/MSD for QA/QC purposes.
RBS-S44	MB5326	9/12/08	0844	Soil sample from the area between the third jetty and the Cheesequake Creek inlet eastern jetty; depth: 0-2 in.
RBS-S45	MB5327	9/12/08	0852	Soil sample from the area between the third jetty and the Cheesequake Creek inlet eastern jetty; depth: 0-2 in.
RBS-S46	MB5328	9/12/08	0852	Soil sample from the area between the third jetty and the Cheesequake Creek inlet eastern jetty; depth: 0-2 in.

TABLE 1 (continued)
SAMPLE DESCRIPTIONS
RARITAN BAY SLAG SITE
OLD BRIDGE AND SAYREVLLE, NEW JERSEY

SAMPLE NUMBER	ORGANIC CLP NO.	DATE	TIME	COMMENTS
RBS-S47	MB5329	9/12/08	0856	Soil sample from the area between the third jetty and the Cheesequake Creek inlet eastern jetty; depth: 0-2 in
RBS-S48	MB5330	9/12/08	0857	Soil sample from the area between the third jetty and the Cheesequake Creek inlet eastern jetty; depth: 0-2 in.
RBS-S49	MB5331	9/12/08	0857	Soil sample from the area between the third jetty and the Cheesequake Creek inlet eastern jetty; depth: 0-2 in.
RBS-S50	MB5332	9/12/08	0902	Soil sample from the area between the third jetty and the Cheesequake Creek inlet eastern jetty; depth: 0-2 in.
RBS-S51	MB5333	9/12/08	0901	Soil sample from the area between the third jetty and the Cheesequake Creek inlet eastern jetty; depth: 0-2 in.
RBS-S52	MB5334	9/12/08	0908	Soil sample from the area between the third jetty and the Cheesequake Creek inlet eastern jetty; depth: 0-2 in. MS/MSD for QA/QC purposes.
RBS-S53	MB5335	9/12/08	0906	Duplicate of sample RBS-52 for QA/QC purposes.
RBS-S54	MB5336	9/12/08	1045	Soil sample from the area along the Cheesequake Creek inlet, south of the eastern jetty; depth: 0-2 in.
RBS-S55	MB5337	9/12/08	1040	Soil sample from the area along the Cheesequake Creek inlet, south of the eastern jetty; depth: 0-2 in.
RBS-S56	MB5338	9/12/08	1049	Soil sample from the area along the Cheesequake Creek inlet, south of the eastern jetty; depth: 0-2 in.
RBS-S57	MB5339	9/12/08	1045	Soil sample from the area along the Cheesequake Creek inlet, south of the eastern jetty; depth: 0-2 in.
RBS-S58	MB5340	9/12/08	1054	Soil sample from the area along the Cheesequake Creek inlet, south of the eastern jetty; depth: 0-2 in.
RBS-S59A	MB5341	9/15/08	1057	Soil sample from the area west of the Cheesequake Creek inlet, west of the western jetty; depth: 0-2 in.
RBS-S59B	MB5342	9/15/08	1111	Soil sample from the area west of the Cheesequake Creek inlet, west of the western jetty; depth: 6-12 in.
RBS-S60A	MB5344	9/15/08	1130	Soil sample from the area west of the Cheesequake Creek inlet, west of the western jetty; depth: 0-2 in.
RBS-S61	MB5347	9/10/08	1233	Soil sample from the park area; depth: 0-2 in.
RBS-S62	MB5348	9/10/08	1240	Soil sample from the park area; depth: 0-2 in.
RBS-S63	MB5349	9/10/08	1228	Soil sample from the park area; depth: 0-2 in.
RBS-S64	MB5350	9/10/08	1233	Soil sample from the park area; depth: 0-2 in.
RBS-S65	MB5351	9/10/08	1255	Soil sample from the park area; depth: 0-2 in.
RBS-S66	MB5352	9/10/08	1303	Soil sample from the park area; depth: 0-2 in.
RBS-S67	MB5353	9/10/08	1304	Soil sample from the park area; depth: 0-2 in.
RBS-S68	MB5354	9/10/08	1317	Soil sample from the park area; depth: 0-2 in.
RBS-S69	MB5355	9/10/08	1313	Soil sample from the park area; depth: 0-2 in.
RBS-S70	MB5356	9/11/08	0750	Soil sample from the park area; depth: 0-2 in.
RBS-S71	MB5357	9/11/08	0800	Mulch/woodchip sample from the playground; depth: 0-2 in.
RBS-S72	MB5358	9/11/08	0805	Duplicate of sample RBS-71 for QA/QC purposes.
RBS-S73	MB5359	9/11/08	0905	Mulch/woodchip sample from the playground; depth: 0-2 in.
RBS-S74	MB5360	9/11/08	0910	Mulch/woodchip sample from the playground; depth: 0-2 in.
RBS-S75	MB5361	9/11/08	0915	Mulch/woodchip sample from the playground; depth: 0-2 in.
RBS-S76	MB5362	9/11/08	0920	Mulch/woodchip sample from the playground; depth: 0-2 in.

TABLE 1 (continued)
SAMPLE DESCRIPTIONS
RARITAN BAY SLAG SITE
OLD BRIDGE AND SAYREVLLE, NEW JERSEY

SAMPLE NUMBER	ORGANIC CLP NO.	DATE	TIME	COMMENTS
RBS-S77	MB5363	9/11/08	0810	Soil sample from the area around the playground; depth: 0-2 in.
RBS-S78	MB5364	9/11/08	0815	Duplicate of sample RBS-77 for QA/QC purposes.
RBS-S79	MB5365	9/11/08	0855	Soil sample from the area around the playground; depth: 0-2 in.
RBS-S80	MB5366	9/11/08	0820	Soil sample from the area around the playground; depth: 0-2 in.
RBS-S81	MB5367	9/11/08	0835	Soil sample from the area around the playground; depth: 0-2 in.
RBS-S82	MB5368	9/11/08	0830	Soil sample from the playground; depth: 0-2 in.
RBS-S83	MB5369	9/11/08	0900	Soil sample from the area around the playground; depth: 0-2 in.
RBS-S84	MB5370	9/11/08	0850	Soil sample from the playground; depth: 0-2 in.
RBS-S85	MB5371	9/11/08	0845	Soil sample from the area around the playground; depth: 0-2 in.
RBS-S86	MB5372	9/11/08	0825	Soil sample from the area around the playground; depth: 0-2 in.
RBS-S87	MB5373	9/11/08	0840	Soil sample from the area around the playground; depth: 0-2 in.
RBS-S88	MB53M1	9/12/08	0911	Soil sample from the area between the third jetty and the Cheesequake Creek inlet eastern jetty; depth: 0-2 in.
RBS-S89	MB53M2	9/12/08	0913	Soil sample from the area between the third jetty and the Cheesequake Creek inlet eastern jetty; depth: 0-2 in.
RBS-S90	MB53M6	9/12/08	1051	Soil sample from the area along the Cheesequake Creek inlet, south of the eastern jetty; depth: 0-2 in.
RBS-S92	MB53M7	9/12/08	1420	Soil sample from the area between Margaret's Creek and the western end of the seawall; depth: 0-2 in.
RBS-S93	MB53M8	9/12/08	1430	Soil sample from the area between Margaret's Creek and the western end of the seawall; depth: 0-2 in.
RBS-S94	MB53N2	9/15/08	0935	Soil sample from the area between Margaret's Creek and the western end of the seawall; depth: 0-2 in.
RBS-S95	MB53N3	9/15/08	0942	Soil sample from the area between Margaret's Creek and the western end of the seawall; depth: 0-2 in.
RBS-S96	MB53N1	9/15/08	0936	Composite soil sample from the southern portion of the western jetty of Cheesequake inlet; depth: 0-2 in.
RBS-S97	MB53N4	9/15/08	1335	Soil sample from the Cheesequake Creek inlet western jetty; depth: 0-2 in
RBS-S98	MB53N5	9/15/08	1327	Soil sample from the Cheesequake Creek inlet western jetty; depth: 0-2 in
RBS-SED01	MB5374	9/10/08	0921	Sediment sample from the area between Margaret's Creek and the western end of the seawall; depth: 0-3 in.
RBS-SED02	MB5375	9/10/08	0934	Duplicate of sample RBS-SED01 for QA/QC purposes.
RBS-SED03	MB5376	9/10/08	0945	Sediment sample from the area between Margaret's Creek and the western end of the seawall; depth: 0-3 in.
RBS-SED04	MB5377	9/10/08	1002	Sediment sample from the area between Margaret's Creek and the western end of the seawall; depth: 0-3 in.
RBS-SED05	MB5378	9/10/08	1030	Sediment sample from the area between Margaret's Creek and the western end of the seawall; depth: 0-3 in.
RBS-SED06	MB5379	9/10/08	1048	Sediment sample from the area between Margaret's Creek and the western end of the seawall; depth: 0-3 in.
RBS-SED07	MB5380	9/12/08	1222	Sediment sample from the area between Margaret's Creek and the western end of the seawall; depth: 0-3 in.
RBS-SED08	MB5381	9/12/08	1229	Sediment sample from the area between Margaret's Creek and the western end of the seawall; depth: 0-3 in.

TABLE 1 (continued)
SAMPLE DESCRIPTIONS
RARITAN BAY SLAG SITE
OLD BRIDGE AND SAYREVLLE, NEW JERSEY

SAMPLE NUMBER	ORGANIC CLP NO.	DATE	TIME	COMMENTS
RBS-SED09	MB5382	9/12/08	1250	Sediment sample from the area between Margaret's Creek and the western end of the seawall; depth: 0-3 in.
RBS-SED10	MB5383	9/12/08	1310	Sediment sample from the area between Margaret's Creek and the western end of the seawall; depth: 0-3 in.
RBS-SED11	MB5384	9/12/08	1305	Sediment sample from the area between Margaret's Creek and the western end of the seawall; depth: 0-3 in.
RBS-SED12	MB5385	9/12/08	1330	Sediment sample from the area between Margaret's Creek and the western end of the seawall; depth: 0-3 in. MS/MSD for QA/QC purposes.
RBS-SED13	MB5386	9/10/08	0930	Sediment sample from the area between Margaret's Creek and the western end of the seawall; depth: 0-3 in.
RBS-SED14	MB5387	9/10/08	1000	Sediment sample from the area between Margaret's Creek and the western end of the seawall; depth: 0-3 in.
RBS-SED15	MB5388	9/10/08	1015	Sediment sample from the area between Margaret's Creek and the western end of the seawall; depth: 0-3 in.
RBS-SED16	MB5389	9/10/08	1040	Sediment sample from the area between Margaret's Creek and the western end of the seawall; depth: 0-3 in.
RBS-SED17	MB5390	9/12/08	1215	Sediment sample from the area between Margaret's Creek and the western end of the seawall; depth: 0-3 in.
RBS-SED18	MB5391	9/12/08	1220	Sediment sample from the area between Margaret's Creek and the western end of the seawall; depth: 0-3 in.
RBS-SED19	MB5392	9/12/08	1235	Sediment sample from the area between Margaret's Creek and the western end of the seawall; depth: 0-3 in.
RBS-SED20	MB5393	9/12/08	1250	Sediment sample from the area between Margaret's Creek and the western end of the seawall; depth: 0-3 in.
RBS-SED21	MB5394	9/12/08	1310	Sediment sample from the area between Margaret's Creek and the western end of the seawall; depth: 0-3 in.
RBS-SED22	MB5395	9/12/08	1325	Duplicate of sample RBS-SED21 for QA/QC purposes.
RBS-SED23	MB5396	9/12/08	1225	Sediment sample from the area between Margaret's Creek and the western end of the seawall; depth: 0-3 in.
RBS-SED24	MB5397	9/12/08	1332	Sediment sample from the area between Margaret's Creek and the western end of the seawall; depth: 0-3 in.
RBS-SED25	MB5398	9/12/08	1341	Sediment sample from the area between Margaret's Creek and the western end of the seawall; depth: 0-3 in.
RBS-SED26	MB5399	9/12/08	1345	Sediment sample from the area between Margaret's Creek and the western end of the seawall; depth: 0-3 in.
RBS-SED27	MB53A0	9/11/08	1132	Sediment sample from the area between the western end of the seawall and the first jetty; depth: 0-3 in.
RBS-SED28	MB53A1	9/11/08	1131	Sediment sample from the area between the western end of the seawall and the first jetty; depth: 0-3 in.
RBS-SED29	MB53A2	9/11/08	1136	Sediment sample from the area between the western end of the seawall and the first jetty; depth: 0-3 in.
RBS-SED30	MB53A3	9/11/08	1141	Sediment sample from the area between the western end of the seawall and the first jetty; depth: 0-3 in.
RBS-SED31	MB53A4	9/11/08	1140	Sediment sample from the area between the western end of the seawall and the first jetty; depth: 0-3 in.
RBS-SED32	MB53A5	9/11/08	1145	Sediment sample from the area between the western end of the seawall and the first jetty; depth: 0-3 in. MS/MSD for QA/QC purposes.

TABLE 1 (continued)
SAMPLE DESCRIPTIONS
RARITAN BAY SLAG SITE
OLD BRIDGE AND SAYREVLLE, NEW JERSEY

SAMPLE NUMBER	ORGANIC CLP NO.	DATE	TIME	COMMENTS
RBS-SED33	MB53A6	9/11/08	1149	Sediment sample from the area between the western end of the seawall and the first jetty; depth: 0-3 in.
RBS-SED34	MB53A7	9/11/08	1146	Sediment sample from the area between the western end of the seawall and the first jetty; depth: 0-3 in.
RBS-SED35	MB53A8	9/11/08	1153	Sediment sample from the area between the western end of the seawall and the first jetty; depth: 0-3 in.
RBS-SED36	MB53A9	9/12/08	0927	Sediment sample from the area between the third jetty and the Cheesequake Creek inlet eastern jetty; depth: 0-3 in.
RBS-SED37	MB53B0	9/12/08	0935	Sediment sample from the area between the third jetty and the Cheesequake Creek inlet eastern jetty; depth: 0-3 in.
RBS-SED38	MB53B1	9/12/08	0936	Sediment sample from the area between the third jetty and the Cheesequake Creek inlet eastern jetty; depth: 0-3 in.
RBS-SED39	MB53B2	9/12/08	0942	Sediment sample from the area between the third jetty and the Cheesequake Creek inlet eastern jetty; depth: 0-3 in.
RBS-SED40	MB53B3	9/12/08	0942	Sediment sample from the area between the third jetty and the Cheesequake Creek inlet eastern jetty; depth: 0-3 in.
RBS-SED41	MB53B4	9/12/08	0948	Sediment sample from the area between the third jetty and the Cheesequake Creek inlet eastern jetty; depth: 0-3 in.
RBS-SED42	MB53B5	9/12/08	0953	Duplicate of sample RBS-SED41 for QA/QC purposes.
RBS-SED43	MB53B6	9/12/08	0948	Sediment sample from the area between the third jetty and the Cheesequake Creek inlet eastern jetty; depth: 0-3 in.
RBS-SED44	MB53B7	9/12/08	0951	Sediment sample from the area between the third jetty and the Cheesequake Creek inlet eastern jetty; depth: 0-3 in.
RBS-SED45	MB53B8	9/12/08	0956	Sediment sample from the area between the third jetty and the Cheesequake Creek inlet eastern jetty; depth: 0-3 in.
RBS-SED46	MB53B9	9/12/08	0957	Sediment sample from the area between the third jetty and the Cheesequake Creek inlet eastern jetty; depth: 0-3 in.
RBS-SED47	MB53C0	9/12/08	1004	Sediment sample from the area between the third jetty and the Cheesequake Creek inlet eastern jetty; depth: 0-3 in.
RBS-SED48	MB53C1	9/12/08	1002	Sediment sample from the area between the third jetty and the Cheesequake Creek inlet eastern jetty; depth: 0-3 in.
RBS-SED49	MB53C2	9/12/08	1004	Sediment sample from the area between the third jetty and the Cheesequake Creek inlet eastern jetty; depth: 0-3 in.
RBS-SED50	MB53C3	9/12/08	1008	Sediment sample from the area between the third jetty and the Cheesequake Creek inlet eastern jetty; depth: 0-3 in.
RBS-SED51	MB53C4	9/12/08	1012	Sediment sample from the area between the third jetty and the Cheesequake Creek inlet eastern jetty; depth: 0-3 in.
RBS-SED52	MB53C5	9/12/08	1015	Sediment sample from the area between the third jetty and the Cheesequake Creek inlet eastern jetty; depth: 0-3 in. MS/MSD for QA/QC purposes.
RBS-SED53	MB53C6	9/16/08	0915	Sediment sample from Cheesequake Creek inlet area on the western side of western jetty; depth: 0-3 in.
RBS-SED54	MB53C7	9/16/08	0945	Sediment sample from Cheesequake Creek inlet area on the western side of western jetty; depth: 0-3 in.
RBS-SED55	MB53C8	9/16/08	1058	Sediment sample from Cheesequake Creek inlet area on the western side of western jetty; depth: 0-3 in.
RBS-SED56	MB53C9	9/15/08	1417	Sediment sample from the area west of the Cheesequake Creek inlet, west of the western jetty; depth: 0-3 in.

TABLE 1 (continued)
SAMPLE DESCRIPTIONS
RARITAN BAY SLAG SITE
OLD BRIDGE AND SAYREVLLE, NEW JERSEY

SAMPLE NUMBER	ORGANIC CLP NO.	DATE	TIME	COMMENTS
RBS-SED57	MB53D0	9/15/08	1420	Sediment sample from the area west of the Cheesequake Creek inlet, west of the western jetty; depth: 0-3 in.
RBS-SED58	MB53D1	9/15/08	1432	Sediment sample from the area west of the Cheesequake Creek inlet, west of the western jetty; depth: 0-3 in.
RBS-SED59	MB53D2	9/15/08	1435	Sediment sample from the area west of the Cheesequake Creek inlet, west of the western jetty; depth: 0-3 in.
RBS-SED60	MB53D3	9/15/08	1450	Sediment sample from the area west of the Cheesequake Creek inlet, west of the western jetty; depth: 0-3 in.
RBS-SED61	MB53D4	9/15/08	1455	Sediment sample from the area west of the Cheesequake Creek inlet, west of the western jetty; depth: 0-3 in.
RBS-SED62	MB53D5	9/15/08	1457	Duplicate of sample RBS-SED61 for QA/QC purposes.
RBS-SED63	MB53D6	9/15/08	1506	Sediment sample from the area west of the Cheesequake Creek inlet, west of the western jetty; depth: 0-3 in.
RBS-SED64	MB53D7	9/15/08	1509	Sediment sample from the area west of the Cheesequake Creek inlet, west of the western jetty; depth: 0-3 in.
RBS-SED65	MB53D8	9/10/08	1359	Sediment sample from Margaret's Creek north of the footbridge; depth: 0-3 in.
RBS-SED66	MB53D9	9/10/08	1417	Sediment sample from Margaret's Creek north of the footbridge; depth: 0-3 in.
RBS-SED67	MB53E0	9/10/08	1500	Sediment sample from Margaret's Creek south of the footbridge; depth: 0-3 in.
RBS-SED68	MB53E1	9/10/08	1439	Sediment sample from Margaret's Creek south of the footbridge; depth: 0-3 in.
RBS-SED69	MB53E2	9/16/08	1445	Background sediment sample from an area suspected not to be influenced by past site activities; depth: 0-3 in.
RBS-SED70	MB53E3	9/16/08	1450	Background sediment sample from an area suspected not to be influenced by past site activities; depth: 0-3 in.
RBS-SED71	MB53E4	9/16/08	1452	Background sediment sample from an area suspected not to be influenced by past site activities; depth: 0-3 in.
RBS-SED72	MB53E5	9/16/08	1457	Background sediment sample from an area suspected not to be influenced by past site activities; depth: 0-3 in. MS/MSD for QA/QC purposes.
RBS-SED73	MB53E6	9/16/08	1458	Background sediment sample from an area suspected not to be influenced by past site activities; depth: 0-3 in.
RBS-SED74	MB53E7	9/16/08	1500	Background sediment sample from an area suspected not to be influenced by past site activities; depth: 0-3 in.
RBS-SED81	MB53L8	9/11/08	1201	Sediment sample from the area between the western end of the seawall and the first jetty; depth: 0-3 in.
RBS-SED82	MB53L9	9/11/08	1200	Sediment sample from the area between the western end of the seawall and the first jetty; depth: 0-3 in.
RBS-SED83	MB53M0	9/11/08	1208	Sediment sample from the area between the western end of the seawall and the first jetty; depth: 0-3 in.
RBS-SED84	MB53M3	9/12/08	1021	Sediment sample from the area between the third jetty and the Cheesequake Creek inlet eastern jetty; depth: 0-3 in.
RBS-SED85	MB53M4	9/12/08	1021	Sediment sample from the area between the third jetty and the Cheesequake Creek inlet eastern jetty; depth: 0-3 in.
RBS-SED86	MB53M5	9/12/08	1030	Sediment sample from the area between the third jetty and the Cheesequake Creek inlet eastern jetty; depth: 0-3 in.

TABLE 1 (continued)
SAMPLE DESCRIPTIONS
RARITAN BAY SLAG SITE
OLD BRIDGE AND SAYREVLLE, NEW JERSEY

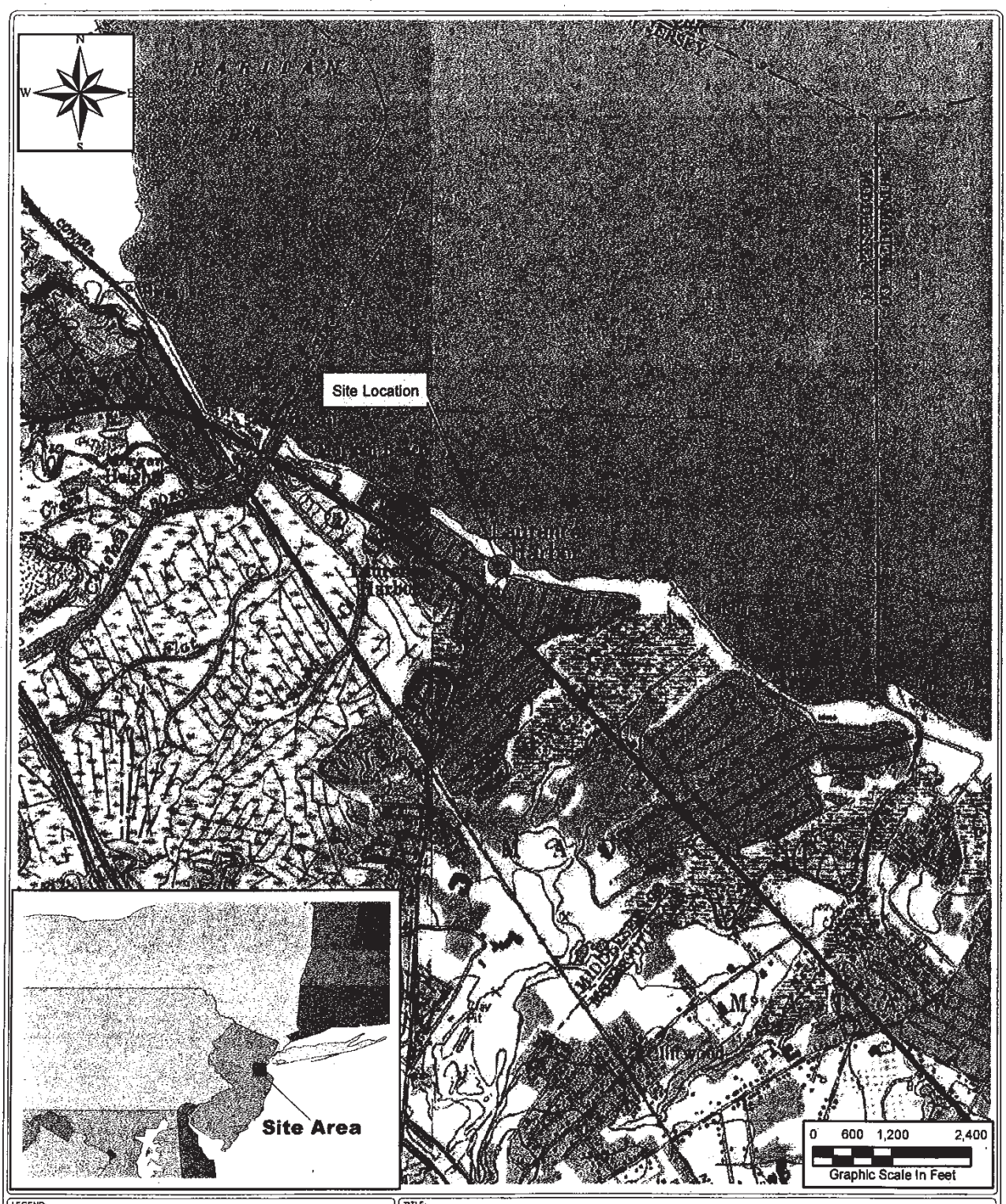
SAMPLE NUMBER	ORGANIC CLP NO.	DATE	TIME	COMMENTS
RBS-SED87	MB53M9	9/12/08	1350	Sediment sample from the area between Margaret's Creek and the western end of the seawall; depth: 0-3 in.
RBS-SED88	MB53N0	9/12/08	1354	Sediment sample from the area between Margaret's Creek and the western end of the seawall; depth: 0-3 in.
RBS-SED89	MB53N7	9/16/08	1140	Sediment sample from Cheesequake Creek inlet area on the eastern side of western jetty; depth: 0-3 in.
RBS-SED90	MB53N8	9/16/08	1240	Sediment sample from Cheesequake Creek inlet area on the eastern side of western jetty; depth: 0-3 in.
RBS-SW01	MB53F4	9/10/08	1425	Surface water sample from the seawall at low tide.
RBS-SW01D	MB53F5	9/10/08	1430	Surface water sample from the seawall at low tide.
RBS-SW02	MB53F6	9/10/08	1432	Duplicate of sample RBS-SW01 for QA/QC purposes.
RBS-SW02D	MB53F7	9/10/08	1437	Duplicate of sample RBS-SW01D for QA/QC purposes.
RBS-SW03	MB53F8	9/10/08	1440	Surface water sample from the seawall at low tide.
RBS-SW03D	MB53F9	9/10/08	1445	Surface water sample from the seawall at low tide.
RBS-SW04	MB53G0	9/10/08	1457	Surface water sample from the seawall at low tide.
RBS-SW04D	MB53G1	9/10/08	1502	Surface water sample from the seawall at low tide.
RBS-SW05	MB53G2	9/10/08	1508	Surface water sample from the seawall at low tide.
RBS-SW05D	MB53G3	9/10/08	1513	Surface water sample from the seawall at low tide.
RBS-SW06	MB53G4	9/10/08	1517	Surface water sample from the seawall at low tide.
RBS-SW06D	MB53G5	9/10/08	1522	Surface water sample from the seawall at low tide. MS/MSD for QA/QC purposes.
RBS-SW07	MB53G6	9/10/08	1407	Surface water sample from the seawall at high tide.
RBS-SW07D	MB53G7	9/10/08	1412	Surface water sample from the seawall at high tide.
RBS-SW08	MB53G8	9/10/08	1418	Surface water sample from the seawall at high tide.
RBS-SW08D	MB53G9	9/10/08	1423	Surface water sample from the seawall at high tide.
RBS-SW09	MB53H0	9/11/08	1047	Activity-based surface water sample from the area between the western end of the seawall and the first jetty.
RBS-SW09D	MB53H1	9/11/08	1047	Activity-based surface water sample from the area between the western end of the seawall and the first jetty.
RBS-SW10	MB53H2	9/11/08	1052	Activity-based surface water sample from the area between the western end of the seawall and the first jetty.
RBS-SW10D	MB53H3	9/11/08	1052	Activity-based surface water sample from the area between the western end of the seawall and the first jetty.
RBS-SW11	MB53H4	9/11/08	1056	Activity-based surface water sample from the area between the western end of the seawall and the first jetty.
RBS-SW11D	MB53H5	9/11/08	1056	Activity-based surface water sample from the area between the western end of the seawall and the first jetty.
RBS-SW12	MB53H6	9/15/08	0849	Activity-based surface water sample from the area between the third jetty and the Cheesequake Creek inlet eastern jetty.
RBS-SW12D	MB53H7	9/15/08	0849	Activity-based surface water sample from the area between the third jetty and the Cheesequake Creek inlet eastern jetty.
RBS-SW13	MB53H8	9/15/08	0853	Activity-based surface water sample from the area between the third jetty and the Cheesequake Creek inlet eastern jetty.
RBS-SW13D	MB53H9	9/15/08	0853	Activity-based surface water sample from the area between the third jetty and the Cheesequake Creek inlet eastern jetty.

TABLE 1 (continued)
SAMPLE DESCRIPTIONS
RARITAN BAY SLAG SITE
OLD BRIDGE AND SAYREVLLE, NEW JERSEY

SAMPLE NUMBER	ORGANIC CLP NO.	DATE	TIME	COMMENTS
RBS-SW14	MB53J0	9/15/08	0855	Activity-based surface water sample from the area between the third jetty and the Cheesequake Creek inlet eastern jetty.
RBS-SW14D	MB53J1	9/15/08	0855	Activity-based surface water sample from the area between the third jetty and the Cheesequake Creek inlet eastern jetty.
RBS-SW15	MB53J2	9/15/08	1135	Surface water sample from the area west of the Cheesequake Creek inlet, west of the western jetty.
RBS-SW15D	MB53J3	9/15/08	1135	Surface water sample from the area west of the Cheesequake Creek inlet, west of the western jetty.
RBS-SW16	MB53J4	9/15/08	1213	Surface water sample from the area west of the Cheesequake Creek inlet, west of the western jetty.
RBS-SW16D	MB53J5	9/15/08	1213	Surface water sample from the area west of the Cheesequake Creek inlet, west of the western jetty. MS/MSD for QA/QC purposes.
RBS-SW17	MB53J6	9/10/08	1355	Surface water sample from Margaret's Creek north of the footbridge.
RBS-SW17D	MB53J7	9/10/08	1355	Surface water sample from Margaret's Creek north of the footbridge.
RBS-SW18	MB53J8	9/10/08	1412	Surface water sample from Margaret's Creek north of the footbridge.
RBS-SW18D	MB53J9	9/10/08	1412	Surface water sample from Margaret's Creek north of the footbridge.
RBS-SW19	MB53K0	9/10/08	1450	Surface water sample from Margaret's Creek south of the footbridge.
RBS-SW19D	MB53K1	9/10/08	1450	Surface water sample from Margaret's Creek south of the footbridge.
RBS-SW20	MB53K2	9/10/08	1435	Surface water sample from Margaret's Creek south of the footbridge.
RBS-SW20D	MB53K3	9/10/08	1435	Surface water sample from Margaret's Creek south of the footbridge.
RBS-SW21	MB53K4	9/15/08	1350	Surface water sample from the Cheesequake Creek inlet area.
RBS-SW21D	MB53K5	9/15/08	1350	Surface water sample from the Cheesequake Creek inlet area.
RBS-SW22	MB53K6	9/15/08	1340	Surface water sample from the Cheesequake Creek inlet area.
RBS-SW22D	MB53K7	9/15/08	1340	Surface water sample from the Cheesequake Creek inlet area.
RBS-SW23	MB53K8	9/15/08	1300	Surface water sample from the Cheesequake Creek inlet area.
RBS-SW23D	MB53K9	9/15/08	1300	Surface water sample from the Cheesequake Creek inlet area.
RBS-SW24	MB53L0	9/15/08	1355	Duplicate of sample RBS-SW21 for QA/QC purposes.
RBS-SW24D	MB53N6	9/15/08	1355	Duplicate of sample RBS-SW21D for QA/QC purposes.
RBS-RIN01	MB53L4	9/11/08	0849	Rinsate blank (decontaminated stainless-steel auger and dedicated, disposable plastic scoop and tray) for QA/QC purposes.
RBS-RIN02	MB53L5	9/15/08	1045	Rinsate blank (decontaminated stainless-steel auger and dedicated, disposable plastic scoop and tray) for QA/QC purposes.
RBS-RIN03	MB53L6	9/16/08	0940	Rinsate blank (decontaminated stainless-steel petite ponar dredge and dedicated, disposable plastic scoop and tray) for QA/QC purposes.

Notes:
Surface water sample numbers containing a 'D' (RBS-SW01D) indicates that the samples were analyzed for Dissolved Metals.
Select soil samples were analyzed for TCLP Metals including: RBS-S01A, -S02A, -S03A, -S04A, -S05A, -S06A, -S07A, -S09A, -S10A, -S59A, -S60A, -S97, and –S98.

SITE LOCATION AND SAMPLE LOCATION MAPS



LEGEND:

Site Location

National Geographic TOPO! U.S. Geologic Survey (USGS). 7.5 Minute Series (Topographic) Quadrangles: Keyport, NJ, 1977 and South Amboy, NJ, 1995.

PROJECT:
Raritan Bay Slag

CLIENT NAME:
EPA

TITLE:

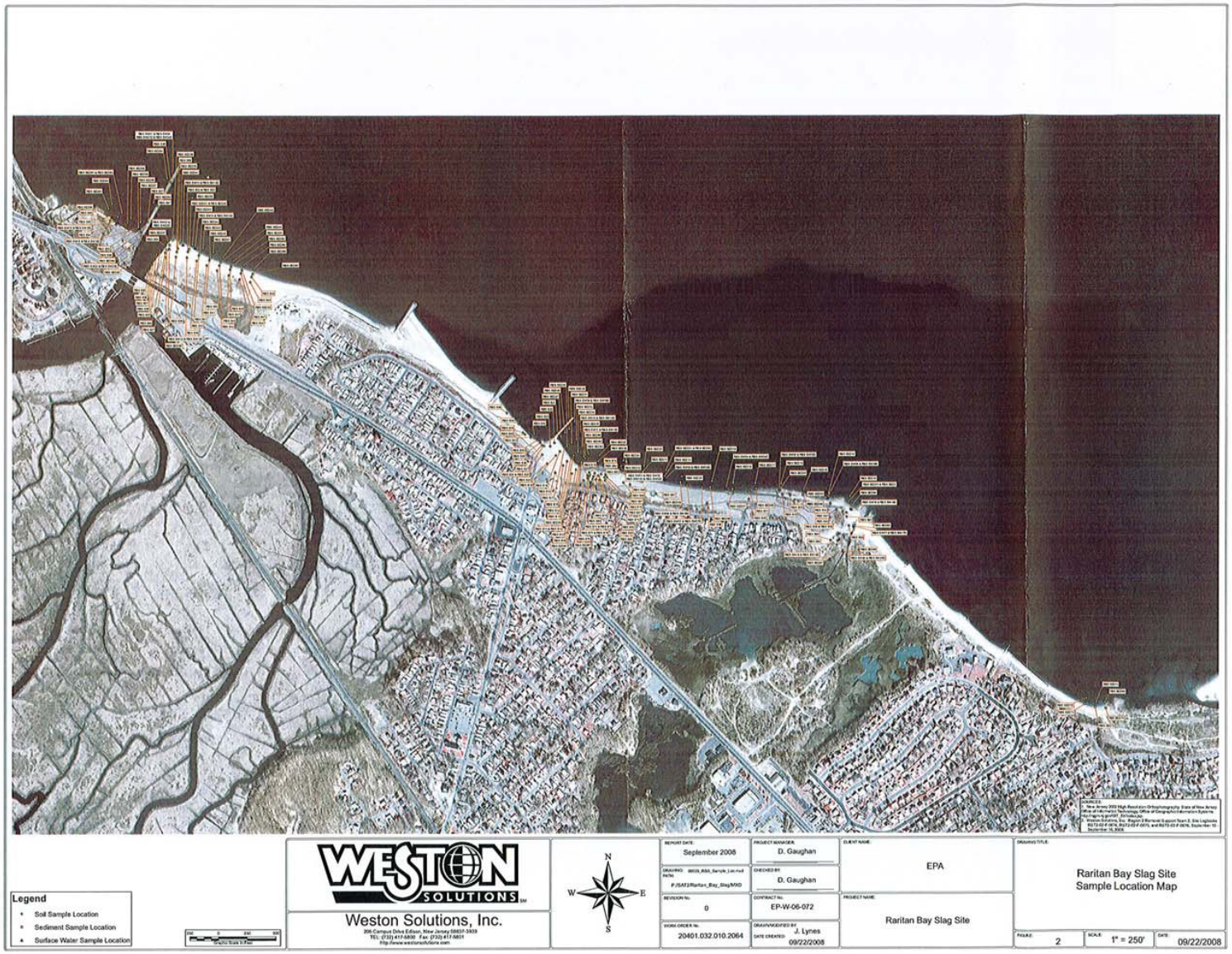
Site Location Map
Raritan Bay Slag
Laurence Harbor, NJ

WESTON SOLUTIONS

DATE:
August 2008

FIGURE #
1

P:\SAT2\Raritan_Bay_Slag\MXD\05944_RBS_Site_Loc.mxd



Legend

- Soil Sample Location
- Sediment Sample Location
- Surface Water Sample Location

Weston Solutions, Inc.
205 Campus Drive Edison, New Jersey 08837-3909
TEL: (732) 417-5800 Fax: (732) 417-5801
http://www.westonsolutions.com

REPORT DATE:	September 2008
DRAWING PATH:	P:\SA\12\Raritan_Bay_Slag\MXD
REVISION No:	0
WORK ORDER No.	20401.032.010.2064
PROJECT MANAGER:	D. Gaughan
CHECKED BY:	D. Gaughan
CONTRACT No:	EP-W-06-072
DRAWN/MODIFIED BY:	J. Lynes
DATE CREATED:	09/22/2008
CLIENT NAME:	EPA
PROJECT NAME:	Raritan Bay Slag Site
DRAWING TITLE:	Raritan Bay Slag Site Sample Location Map
FIGURE:	2
SCALE:	1" = 250'
DATE:	09/22/2008

R2-0002094

APPENDIX C

TABLES

Table 1
Inorganic Analytical Results-Soil Samples
September 10-16, 2008
Raritan Bay Slag

Field Sample No.	RBS-S01A		RBS-S01B		RBS-S02A		RBS-S02B		RBS-S03A		RBS-S04A		RBS-S04B		RBS-S05A		RBS-S06A		RBS-S07A		RBS-S07B		RBS-S07C		RBS-S09A		RBS-S09B	
EPA Sample No.	MB52W5		MB52W6		MB52W8		MB52W9		MB52X1		MB52X4		MB52X5		MB52X7		MB52Y0		MB52Y1		MB52Y2		MB52Y3		MB52Y7		MB52Y8	
Sample Depth	0-2 in.		6-12 in.		0-2 in.		6-12 in.		0-2 in.		0-2 in.		6-12 in.		0-2 in.		0-2 in.		0-2 in.		6-12 in.		12-18 in.		0-2 in.		6-12 in.	
Comment																	Duplicate of RBS-S05A											
ALUMINUM	3,260	J	2,040	J	2,350	J	1,860	J	943	J	271	J	327	J	690	J	357	J	3,090		7,010		6,410		2,190		2,720	
ANTIMONY	54.4	R	41.5	R	152	R	100	R	37.9	R	6.1	R	6.3	R	6.1	R	7.1	R	815		6.8	U	6.8	U	74.2	J	445	J
ARSENIC	28.1	R	29.9	R	72.8	R	53.9	R	7.4	R	1.2	R	1.6	R	4.7	R	1.9	R	1,520	J	15.4	J	7.5	J	90.7		299	
BARIUM	21.2	UJ	21.4	UJ	106	J	21.2	UJ	23.0	UJ	20.4	UJ	21.0	UJ	20.5	UJ	20.6	UJ	265		67.1		61.9		28.1	J	24.0	J
BERYLLIUM	0.53	U	0.54	U	0.52	U	0.53	U	0.57	U	0.51	U	0.52	U	0.51	U	0.51	U	0.55	U	0.57	U	0.57	U	0.56	U	0.55	U
CADMIUM	0.053	UJ	0.54	UJ	0.52	UJ	0.53	UJ	0.57	UJ	0.51	UJ	0.52	UJ	0.51	UJ	0.51	UJ	14.9	R	3.5	R	0.88	R	0.56	U	2.4	
CALCIUM	680	J	536	UJ	715	J	2,120	J	956	J	510	UJ	528	UJ	512	UJ	514	UJ	2,620		3,350		2,370		17,600		6,470	
CHROMIUM	30.2		24.0		24.8		34.4		19.1		2.0		2.5		8.0		3.3	R	30.8		14.0		13.1		22.1		24.8	
COBALT	5.3	UJ	5.4	UJ	5.2	UJ	5.3	UJ	5.7	UJ	5.1	UJ	5.2	UJ	5.1	UJ	5.1	UJ	17.8		5.7	U	5.7	U	5.6	U	6.3	
COPPER	74.4	J	27.5	J	29.7	J	51.4	J	13.6	J	1.5		2.7	J	6.1	J	9.9	J	2,820		76.6		34.4		87.3		704	
IRON	51,400	J	40,700	J	40,000	J	38,400	J	16,800	J	3,020	J	3,620	J	13,500	J	4,000	J	117,000	J	19,000	J	14,300	J	31,600		59,200	
LEAD	1,600	J	912	J	1,040	J	1,100	J	1,130	J	44.8	J	22.5	J	63.5	J	117	J	54,800		731		172		1,430	J	18,400	J
MAGNESIUM	767	J	536	UJ	657	J	530	UJ	575	UJ	510	UJ	525	UJ	512	UJ	514	UJ	1,760		2,530		2,210		1,080		855	
MANGANESE	123	J	76.9	J	184	J	92.1	J	60.4	J	46.1	J	36.7	J	49.5	J	41.9	J	438	J	354	J	225	J	180		147	
NICKEL	8.4		5.9		8.6		9.2		4.6	U	4.1	U	4.2	U	4.1	U	4.2	U	98.8	J	14.0	J	11.4	J	8.1		34.8	
POTASSIUM	251	J	249	J	355	J	184	J	176	J	41.1		48.5	J	69.7	J	54.7	J	347	J	1,010		887		201	J	180	J
SELENIUM	3.7	UJ	3.8	UJ	3.7	UJ	3.7	UJ	4.0	UJ	3.6	J	3.7	UJ	3.6	UJ	3.6	UJ	3.9	UJ	4.0	UJ	4.0	UJ	0.96	J	1.7	J
SILVER	1.1	U	1.1	U	1.0	U	0.29	J	0.3	J	0.11		0.18	J	0.19	J	0.12	J	1.3	J	0.41	J	0.27	J	0.38	J	0.88	J
SODIUM	558	J	536	UJ	523	UJ	530	UJ	951	J	510	UJ	525	UJ	512	UJ	514	UJ	1,410		1,370		1,100		671		553	U
THALLIUM	2.6	U	2.7	U	2.6	U	2.7	U	2.9	U	2.5		2.6	U	2.6	U	2.6	U	2.8	UJ	2.8	UJ	2.8	UJ	2.8	U	2.8	U
VANADIUM	91.2	J	47.1	J	39.3	J	37.3	J	16.3	J	5.1	J	5.6	J	14.4	J	5.8	J	25.1		22.2		20.1		39.1		47.1	
ZINC	112	J	56.4	J	83.4	J	68.7	J	50.5	J	8.7	UJ	8.8	J	21.0	J	10.3	J	1,260	J	664	J	232	J	113		219	
TIN	55.7	J	23.8	J	40.4	J	100	J	28.0	J	15.8	J	10.5	UJ	10.2	UJ	10.3	UJ	824		11.4	U	11.4	U	66.9		377	

All results in milligrams per kilogram (mg/kg)
U - Analyte not detected
J - Estimated concentration
UJ - The analyte was not quantifiable at or above the Contract Required Quantitation Limit (CRQL), or QA/QC requirements were not met
R - Unusable value

R2-0002096

Table 1
Inorganic Analytical Results-Soil Samples
September 10-16, 2008
Raritan Bay Slag

Field Sample No.	RBS-S09C	RBS-S10A	RBS-S10B	RBS-S10C	RBS-S11	RBS-S12	RBS-S13	RBS-S14	RBS-S15	RBS-S16	RBS-S17	RBS-S18	RBS-S19	RBS-S20	RBS-S21
EPA Sample No.	MB52Y9	MB52Z0	MB52Z1	MB52Z2	MB52Z3	MB52Z4	MB52Z5	MB52Z6	MB52Z7	MB52Z8	MB52Z9	MB5300	MB5301	MB5302	MB5303
Sample Depth	12-18 in.	0-2 in.	6-12 in.	12-18 in.	0-2 in.	0-2 in.	0-2 in.	0-2 in.	0-2 in.	0-2 in.	0-2 in.	0-2 in.	0-2 in.	0-2 in.	0-2 in.
Comment						Duplicate of RBS-S11									
ALUMINUM	4,120	1,200	2,250	1,950	1,260	1,180	677	1,560	1,410	1,610	505	1,960	1,210	985	626
ANTIMONY	832 J	44.5 J	18.3 J	34.3 J	2.7 J	2.6 J	14.2 J	42.7 J	16.8 J	1.7 J	7.3 J	45.2 J	5.4 J	2.7 J	38.3 J
ARSENIC	602	43.8	20.0	29.0	3.5	3.2	12.5	32.8	15.0	3.3	8.0	41.8	8.6	4.6	30.4
BARIUM	284 J	21.5 UJ	35.9 J	148 J	21.9 UJ	21.9 UJ	27.8 UJ	20.8 UJ	34.1 J	21.7 UJ	20.5 UJ	20.7 UJ	20.9 UJ	20.9 UJ	20.6 UJ
BERYLLIUM	0.66	0.54 U	0.55 U	0.54 U	0.55 U	0.55 U	0.7 U	0.52 U	0.53 U	0.54 U	0.51 U	0.52 U	0.52 U	0.52 U	0.52 U
CADMIUM	1.7	0.54 U	0.55 U	0.54 U	0.55 U	0.55 U	0.7 U	0.52 U	0.53 U	0.54 U	0.51 U	0.52 U	0.52 U	0.52 U	0.52 U
CALCIUM	8,520	537 U	575	1,210	547 U	548 U	696 U	879	527 U	543 U	513 U	4,200	523 U	1,100	515 U
CHROMIUM	28.8	5.4	14.9	9.2	4.6	4.4	4.7	11.4	6.4	4.7	3.9	14.8	7.1	4.9	6.9
COBALT	5.7 U	5.4 U	5.5 U	5.4 U	5.5 U	5.5 U	7 U	5.2 U	5.3 U	5.4 U	5.1 U	5.2 U	5.2 U	5.2 U	5.2 U
COPPER	563	114	27.1	58.2	7.8	7.1	13.3	62.7	44.6	12.1	8.3	53.9	11.0	5.2	27.4
IRON	69,300	8,990	19,400	18,000	6,300	4,740	7,760	21,100	9,820	5,460	5,690	35,400	12,100	10,000	10,300
LEAD	23,800 J	1,110 J	649 J	1,250 J	118 J	102 J	356 J	1,290 J	688 J	80.5 J	211 J	1,630 J	219 J	121 J	994 J
MAGNESIUM	1150	189 J	601	418 J	255 J	359 J	199 J	253 J	181 J	584	138 J	406 J	223 J	254 J	169 J
MANGANESE	398	26.0 J	45.7	143	19.8 J	18.0 J	26.2 J	58.6	44.3	54.4	24.3 J	115	25.9	27.6	46.6
NICKEL	46.6	4.3 U	6.6	5.5	4.4 U	4.4 U	5.6 U	5.9	4.4	4.3 U	4.1 U	5.9	4.2 U	4.2 U	4.5
POTASSIUM	427 J	195 J	495 J	351 J	224 J	180 J	112 J	175 J	207 J	211 J	67.4 J	162 J	301 J	238 J	83.9 J
SELENIUM	2 J	0.62 U	0.69 J	0.81 J	3.8 U	3.8 U	4.9 U	0.76 J	0.52 J	3.8 U	0.35 J	0.61 J	0.55 J	0.39 J	0.46 J
SILVER	1.2 J	1.1 UJ	0.17 J	0.14 J	1.1 UJ	1.1 UJ	1.4 UJ	0.21 J	0.22 J	1.1 UJ	1.0 UJ	0.24 J	0.086 J	1.0 UJ	0.11 J
SODIUM	1,320	537 U	548 U	540 U	547 U	548 U	696 U	520 U	527 U	543 U	513 U	516 U	523 U	522 U	515 U
THALLIUM	2.8 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	3.5 U	2.6 U	2.6 U	2.7 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U
VANADIUM	49.6	10.7	17.6	13.2	9.2	8.1	10.5	22.7	10.5	9.8	7.4	40.4	15.7	11.7	11.9
ZINC	463	35.9	56.1	151	12.9	10.7	25.0	61.7	52.5	10.4	18.3	71.7	14.2	16.0	39.8
TIN	501	36.6	25.6	90.8	10.9 U	10.9 U	16.9	54.7	41.6	10.9 U	10.3 U	25.6	10.5 U	10.4 U	51.1

All results in milligrams per kilogram (mg/kg)
U - Analyte not detected
J - Estimated concentration
UJ - The analyte was not quantifiable at or above the Contract Required Quantitation Limit (CRQL), or QA/QC requirements were not met
R - Unusable value

R2-0002097

Table 1
Inorganic Analytical Results-Soil Samples
September 10-16, 2008
Raritan Bay Slag

Field Sample No.	RBS-S22		RBS-S23		RBS-S24		RBS-S25		RBS-S27		RBS-S28		RBS-S29		RBS-S30		RBS-S31		RBS-S32		RBS-S33		RBS-S34		RBS-S35		RBS-S36		RBS-S37	
EPA Sample No.	MB5304		MB5305		MB5306		MB5307		MB5309		MB5310		MB5311		MB5312		MB5313		MB5314		MB5315		MB5316		MB5317		MB5318		MB5319	
Sample Depth	0-2 in.		0-2 in.		0-2 in.		0-2 in.		0-2 in.		0-2 in.		0-2 in.		0-2 in.		0-2 in.		0-2 in.		0-2 in.		0-2 in.		0-2 in.		0-2 in.		0-2 in.	
Comment							Duplicate of RBS-S24																							
ALUMINUM	679		1,140		1,250		1,270	J	1,150	J	1,060	J	3,190	J	2,470	J	748	J	1,310	J	820	J	1,650	J	2,070	J	577	J	956	J
ANTIMONY	23.4	J	0.77	J	2.3	J	6.3	R	15.4	R	8.1	R	13.0	R	8.5	R	3.6	R	7.7	R	9.8	R	14.4	R	5.1	R	3.9	R	6.1	UJ
ARSENIC	19.6		3.6		5.0		5.4	R	14.5	R	10.4	R	37.5	R	13.8	R	4.5	R	10.3	R	9.4	R	35.4	R	11.3	R	4.7	R	9.2	
BARIUM	20.4	UJ	21.1	UJ	20.9	UJ	21	UJ	39.4	J	20.8	UJ	45.2	UJ	47.3	J	25.5	UJ	26.4	UJ	22.3	J	23.7	UJ	24.4	UJ	20.8	UJ	20.3	UJ
BERYLLIUM	0.51	U	0.53	U	0.52	U	0.53	U	0.53	U	0.52	U	1.1	UJ	0.71	U	0.64	U	0.66	U	0.52	U	0.59	U	0.61	U	0.52	U	0.51	U
CADMIUM	0.51	U	0.53	U	0.52	U	0.53	UJ	0.53	UJ	0.52	UJ	1.1	UJ	0.71	UJ	0.64	UJ	0.66	UJ	0.52	UJ	0.59	UJ	0.61	UJ	0.52	UJ	0.51	U
CALCIUM	32,800		954		3,820		2,130	J	1,640	J	546	J	10,400	J	8,940		875	J	1,610	J	758	J	9,130		4,530		519	UJ	187	J
CHROMIUM	4.0		4.5		5.6	J	8.2	J	6.1		7.7		42.1	J	19.5		4.0		9.2		5.6		17.9		10.2		3.2		14.5	
COBALT	5.1	U	5.3	U	5.2	U	5.3	UJ	5.3	UJ	5.2	UJ	11.3	UJ	7.1	UJ	6.4	UJ	6.6	UJ	5.2	UJ	5.9	UJ	6.1	UJ	5.2	UJ	5.1	U
COPPER	29.3		2.8		4.2		3.2	J	16.6	J	10.3	J	75.7	J	26.1	J	8.6	J	8.4	J	9.4	J	26.4	J	14.9	J	4.2	J	15.0	
IRON	5,840		4,370		5,530	J	8,850	J	9,200	J	15,500	J	23,200	J	24,000	J	5,330	J	11,300	J	7,940	J	22,900	J	17,100	J	5,630	J	15,800	
LEAD	413	J	63.6	J	66	J	57.9	J	459	J	235	J	935	J	365	J	111	J	215	J	217	J	285	J	190	J	109	J	50.6	J
MAGNESIUM	255	J	503	J	690		590	J	527	UJ	520	UJ	4,130	J	1,590	J	638	UJ	660	UJ	520	UJ	1,150	J	770	J	519	UJ	148	J
MANGANESE	28.0		26.2		92.3	J	31.0	J	75.4	J	42.7	J	216	J	87.2	J	15.2	J	20.6	J	38.1	J	119	J	47.4	J	29.7	J	25.9	
NICKEL	4.1	U	4.2	U	4.2	U	4.2	U	4.2	U	4.2	U	10.7	J	5.7	U	5.1	U	5.3	U	4.2	U	4.7	U	4.9	U	4.2	U	2.1	J
POTASSIUM	176	J	416	J	458	J	546		281	J	190	J	1,130	J	423	J	343	J	351	J	170	J	301	J	346	J	159	J	139	J
SELENIUM	0.74	J	3.7	U	0.38	J	3.7	UJ	3.7	UJ	0.76	J	2.4	J	1.2	J	4.5	UJ	0.65	J	0.41	J	0.96	J	0.97	J	0.43	J	3.5	U
SILVER	1.0	UJ	1.1	UJ	1.0	UJ	0.14	J	1.0	U	1	U	2.3	UJ	1.4	U	1.3	U	1.3	U	1.0	U	1.2	U	1.2	U	1.0	U	0.14	J
SODIUM	511	U	527	U	524	U	526	UJ	527	UJ	520	UJ	8,610	J	2,240	J	1,910	J	2,140	J	520	UJ	592	UJ	1,690	J	519	UJ	11.5	J
THALLIUM	2.6	U	2.6	U	2.6	U	2.6	U	2.6	U	2.6	U	5.6	UJ	3.5	U	3.2	U	3.3	U	2.6	U	3.0	U	3.0	U	2.6	U	2.5	U
VANADIUM	6.6		5.7		6.6		9.2	J	10.5	J	18.7	J	42.4	UJ	34.3	J	8.1	J	20.7	J	11.5	J	32.8	UJ	27.7	J	9.6	J	22.1	
ZINC	22.4		8.9		13.1		13.2	J	42.2	J	29.6	J	173	J	53.7	J	18.4	J	34.2	J	30.4	J	66	J	63.2	J	18.0	J	17.1	J
TIN	18.8		10.5	U	10.5	U	10.5	UJ	23.5	J	13.2	J	22.6	J	17.7	J	12.8	UJ	13.2	UJ	12.1	J	11.8	UJ	12.2	UJ	10.4	UJ	10.1	U

All results in milligrams per kilogram (mg/kg)
U - Analyte not detected
J - Estimated concentration
UJ - The analyte was not quantifiable at or above the Contract Required Quantitation Limit (CRQL), or QA/QC requirements were not met
R - Unusable value

R2-0002098

Table 1
Inorganic Analytical Results-Soil Samples
September 10-16, 2008
Raritan Bay Slag

Field Sample No.	RBS-S38		RBS-S39		RBS-S40		RBS-S41		RBS-S42		RBS-S43		RBS-S44		RBS-S45		RBS-S46		RBS-S47		RBS-S48		RBS-S49		RBS-S50		RBS-S51		RBS-S52	
EPA Sample No.	MB5320		MB5321		MB5322		MB5323		MB5324		MB5325		MB5326		MB5327		MB5328		MB5329		MB5330		MB5331		MB5332		MB5333		MB5334	
Sample Depth	0-2 in.		0-2 in.		0-2 in.		0-2 in.		0-2 in.		0-2 in.		0-2 in.		0-2 in.		0-2 in		0-2 in.		0-2 in.		0-2 in.		0-2 in.		0-2 in.		0-2 in.	
Comment																														
ALUMINUM	960	J	571	J	645	J	780	J	1,110	J	929	J	1,030	J	1,270	J	993	J	1,020	J	1,050	J	1,090	J	1,120	J	1,570	J	1,200	J
ANTIMONY	6.1	UJ	6.0	UJ	6.0	UJ	6.0	UJ	6.1	UJ	6.1	UJ	6.0	UJ	6.2	UJ	6.5	UJ	6.5	UJ	6.3	UJ	6.2	UJ	6.2	UJ	6.1	UJ	6.0	UJ
ARSENIC	3.5		2.1		2.4		3.6		3.6		2.1		2.3		4.2		2.2		2.3		2.4		1.9		3.0		2.0		4.1	
BARIUM	20.2	UJ	20.1	UJ	20.1	UJ	20	UJ	20.3	UJ	20.3	UJ	20.0	UJ	20.6	UJ	21.8	UJ	21.8	UJ	21.1	UJ	20.7	UJ	20.7	UJ	20.2	UJ	20.1	UJ
BERYLLIUM	0.51	U	0.5	U	0.5	U	0.5	U	0.51	U	0.51	U	0.5	U	0.51	U	0.55	U	0.54	U	0.53	U	0.52	U	0.52	U	0.5	U	0.5	U
CADMIUM	0.51	U	0.5	U	0.5	U	0.5	U	0.51	U	0.51	U	0.5	U	0.51	U	0.55	U	0.54	U	0.53	U	0.52	U	0.52	U	0.5	U	0.5	U
CALCIUM	60.1	J	40.9	J	209	J	197	J	468	J	610		687		740		376	J	1,450		2,060		6,810		6,350		3,260		4,250	
CHROMIUM	12.9		7.0		4.9		8.6		9.8		5.4		7.5		7.0		6.0		3.7		4.0		3.5		6.2		5.4		6.6	
COBALT	5.1	U	5.0	U	5.0	U	5.0	U	5.1	U	5.1	U	5	U	5.1	U	5.5	U	5.4	U	5.3	U	5.2	U	5.2	U	5.0	U	5.0	U
COPPER	4.4		1.8	J	1.9	J	4.1		7.3		2.2	J	0.91	J	1.1	J	0.7	J	0.79	J	1.5	J	1.1	J	2.6		2.0	J	2.0	J
IRON	15,000		9,240		7,150		12,700		16,200		7,420		6,030		6,730		6,750		6,550		8,320		6,650		11,900		8,210		18,400	J
LEAD	28.3	J	13.6	J	29.1	J	55.3	J	94.1	J	12.9	J	3.8	J	4.9	J	2.2	J	1.7	J	2.0	J	2.0	J	2.2	J	11.6	J	3.8	J
MAGNESIUM	120	J	72.1	J	205	J	152	J	213	J	410	J	493	J	641		527	J	499	J	582		621		579		795		682	
MANGANESE	19.0		10.2		23.7		21.8		32.0		26.0		26.5		30.2		52.5		41.8		49.0		43.4		44.1		42.6		54.7	
NICKEL	1.3	J	0.59	J	0.98	J	1.4	J	2.0	J	1.9	J	2.1	J	2.6	J	2.6	J	2.6	J	2.6	J	1.8	J	1.6	J	3.0	J	2.4	J
POTASSIUM	128	J	107	J	192	J	133	J	126	J	347	J	476	J	646		376	J	267	J	283	J	330	J	140	J	567		216	J
SELENIUM	3.5	U	3.5	U	3.5	U	3.5	U	3.6	U	3.6	U	0.63	J	3.6	U	0.74	J	3.8	U	3.7	U	3.6	U	3.6	U	3.5	U	3.5	U
SILVER	1.0	UJ	1.0	UJ	1.0	UJ	1.0	UJ	1.0	UJ	1.0	UJ	1.0	UJ	1.0	UJ	1.1	UJ	1.1	UJ	0.26	J	1.0	UJ	0.18	J	0.18	J	0.19	J
SODIUM	6.9	J	6.4	J	35.6	J	16.5	J	29.6	J	18.8	J	25.4	J	23.3	J	667		539	J	486	J	380	J	336	J	312	J	82.8	J
THALLIUM	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.6	U	2.7	U	2.7	U	2.6	U	2.6	U	2.6	U	2.5	U	2.5	U
VANADIUM	21.0		15.4		10.6		18.1		15.4		9.5		8.7		9.1		8.2		6.3		10.6		6.7		16.4		10.2		19.7	J
ZINC	16.5	J	7.8	J	11.7	J	15.4	J	31.3	J	10.5	J	8.0	J	9.5	J	9.6	J	7.6	J	9.0	J	9.0	J	9.8	J	14.4	J	12.5	J
TIN	10.1	U	10.1	U	10.1	U	10	U	10.2	U	10.2	U	10.0	U	10.3	U	10.9	U	10.9	U	10.6	U	10.4	U	10.3	U	10.1	U	10.1	U

All results in milligrams per kilogram (mg/kg)
U - Analyte not detected
J - Estimated concentration
UJ - The analyte was not quantifiable at or above the Contract Required Quantitation Limit (CRQL), or QA/QC requirements were not met
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R2-0002099

Table 1
Inorganic Analytical Results-Soil Samples
September 10-16, 2008
Raritan Bay Slag

Field Sample No.	RBS-S53	RBS-S54	RBS-S55	RBS-S56	RBS-S57	RBS-S58	RBS-S59A	RBS-S59B	RBS-S60A	RBS-S61	RBS-S62	RBS-S63	RBS-S64	RBS-S65	RBS-S66
EPA Sample No.	MB5335	MB5336	MB5337	MB5338	MB5339	MB5340	MB5341	MB5342	MB5344	MB5347	MB5348	MB5349	MB5350	MB5351	MB5352
Sample Depth	0-2 in.	0-2 in.	0-2 in.	0-2 in.	0-2 in.	0-2 in.	0-2 in.	6-12 in.	0-2 in.	0-2 in.	0-2 in.	0-2 in.	0-2 in.	0-2 in.	0-2 in.
Comment	Duplicate of RBS-S52														
ALUMINUM	845 J	998 R	846 R	855 R	897 R	850 R	1,500	5,340	3,830	3,760 J	3,410 J	2,120 J	1,030 J	7,060 J	3,890 J
ANTIMONY	6.0 UJ	7.0 U	6.3 U	6.3 U	6.3 U	6.8 U	67.5	419	616	6.8 U	7.0 U	120	41.0	6.7 UJ	7.1 UJ
ARSENIC	2.5	1.8 R	3.0 R	5.4 R	2.5 R	2.2 R	103 J	228 J	198 J	34.8	5.8	48.3	17.6	4.5	3.8
BARIUM	20.2 UJ	1.6 J	1.1 J	1.6 J	1.9 J	0.91 J	75.0	79.0	573	46.7 J	23.4 UJ	70.9 J	22.1 UJ	25.3 J	18.7 J
BERYLLIUM	0.5 U	0.58 U	0.52 U	0.53 U	0.52 U	0.56 U	0.67 U	0.67 U	0.62 U	0.56 U	0.58 U	0.56 U	0.55 U	0.43 J	0.052 J
CADMIUM	0.5 U	0.58 U	0.52 U	0.53 U	0.52 U	0.56 U	0.67 R	1.2 R	1.2 R	0.56 U	0.58 U	1.7	0.55 U	0.33 J	0.02 J
CALCIUM	1,990 R	6,210 J	3,300 J	7,460 J	368 J	1,080 J	1,290	3,280	4,640	589	2,350	561 U	554 U	1,500 J	3,860 J
CHROMIUM	5.6	13.2	6.1	4.4	6.2	12.5	11.4	20.3	30.2	8.3	37.3	9.4	4.9	11.1 J	10.0 J
COBALT	5.0 U	1.2 J	1.2 J	1.2 J	0.97 J	1.1 J	6.7 U	8.2	6.2 U	5.6 U	5.8 U	5.6 U	5.5 U	3.1 J	1.3 J
COPPER	0.99 J	1.0 R	1.4 R	2.0 R	1.3 R	1.4 R	183	489	340	131 J	61.1 J	186 J	16.7 J	22.3 J	12 J
IRON	6,840 J	4,320	10,400	11,900	6,080	9,510	15,700 J	32,200 J	49,200 J	13,300	15,800	14,700	6,580	13,300 J	11,300 J
LEAD	3.2 J	1.8	2.9	3.2	3.6	4.4	2,390	21,500	14,200	97.8 J	62.9 J	10,200 J	824 J	29.8 J	30.3 J
MAGNESIUM	469 J	563 J	431 J	484 J	504 J	445 J	975	4,550	1,360	247 J	1,570	176 J	76.9 J	2,040 J	933 J
MANGANESE	40.4	45.9 R	64.6 R	63.9 R	51.2 R	37.8 R	130 J	332 J	896 J	22.1	82.8	52.5	11.1	166 J	58.2 J
NICKEL	1.8 J	4.4 J	1.9 J	2.3 J	1.8 J	2.7 J	9.9 J	21.8 J	21.9 J	8.1	5.4	14.8	4.4 U	12.6 J	3.5 J
POTASSIUM	231 J	208 J	153 J	183 J	363 J	192 J	306 J	855	866	412 J	352 J	458 J	228 J	879 J	491 J
SELENIUM	3.5 U	4.1 UJ	0.58 J	0.54 J	3.7 UJ	0.41 J	0.85 J	1.8 J	1.5 J	4.0 U	4.1 U	3.9 U	3.9 U	0.81 J	0.93 J
SILVER	1.0 UJ	1.2 U	1.0 U	1.1 U	1.0 U	1.1 U	0.26 J	0.63 J	0.65 J	1.1 J	0.15 J	0.46 J	1.1 U	1.1 UJ	0.16 J
SODIUM	44.9 J	1,080 J	426 J	459 J	388 J	818 J	2,530	2,410	1,510	564 U	585 U	561 U	554 U	816 J	588 UJ
THALLIUM	2.5 U	2.9 UJ	2.6 UJ	2.6 UJ	2.6 UJ	2.8 UJ	3.4 UJ	3.3 UJ	3.1 UJ	2.8 U	2.9 U	2.8 U	2.8 U	2.8 U	2.9 U
VANADIUM	7.4 J	5.8 UJ	11.1 J	11.8 J	7.5 J	11.7 J	16.5	36.2	37.2	41.7	25.4	19.0	8.0	22.1 J	18.4 J
ZINC	8.5 J	7.7 J	10.3 J	11.0 J	9.3 J	15 J	113 J	266 J	1,670 J	20.8	50.9	63.2	10.3	37.9 J	29.0 J
TIN	10.1 U	11.7 UJ	10.5 UJ	10.6 UJ	10.4 UJ	11.3 UJ	47.3	207	335	11.3 U	11.7 U	313	28.1	11.1 UJ	11.8 UJ

All results in milligrams per kilogram (mg/kg)
U - Analyte not detected
J - Estimated concentration
UJ - The analyte was not quantifiable at or above the Contract Required Quantitation Limit (CRQL), or QA/QC requirements were not met
R - Unusable value

R2-0002100

Table 1
Inorganic Analytical Results-Soil Samples
September 10-16, 2008
Raritan Bay Slag

Field Sample No.	RBS-S67	RBS-S68	RBS-S69	RBS-S70	RBS-S71	RBS-S72	RBS-S73	RBS-S74	RBS-S75	RBS-S76	RBS-S77	RBS-S78	RBS-S79	RBS-S80	RBS-S81
EPA Sample No.	MB5353	MB5354	MB5355	MB5356	MB5357	MB5358	MB5359	MB5360	MB5361	MB5362	MB5363	MB5364	MB5365	MB5366	MB5367
Sample Depth	0-2 in.	0-2 in.	0-2 in.	0-2 in.	0-2 in.	0-2 in.	0-2 in.	0-2 in.	0-2 in.	0-2 in.	0-2 in.	0-2 in.	0-2 in.	0-2 in.	0-2 in.
Comment						Duplicate of RBS-71						Duplicate of RBS-77			
ALUMINUM	5,770 J	4,900 J	5,160 J	890	930 J	1,130 J	863 J	1,740 J	378 J	760 J	2,800	2,690	6,070	4,720	6,980
ANTIMONY	0.42 J	0.36 J	7.4 UJ	6.7 UJ	21.5 UJ	22.1 UJ	26.9 UJ	30.5 UJ	21.7 UJ	23.6 UJ	7.1 UJ	7.2 UJ	8.3 UJ	6.7 UJ	8.5 UJ
ARSENIC	2.9	7.2	5.8	1.9	0.84 J	1.3 J	1.5 J	5.1 UJ	3.6 UJ	3.9 UJ	5.3	4.5	8.7	8.7	11.4
BARIUM	43.9 J	26.3 J	28.3 J	22.2 U	71.7 UJ	73.5 UJ	89.7 UJ	102 UJ	72.2 UJ	78.7 UJ	23.8 U	24.0 U	38.7	22.4 U	30.3
BERYLLIUM	0.05 J	0.29 J	0.3 J	0.55 U	1.8 UJ	1.8 UJ	2.2 UJ	2.5 UJ	1.8 UJ	2.0 UJ	0.59 U	0.6 U	0.69 U	0.63	0.71 U
CADMIUM	0.19 J	0.53 UJ	0.62 UJ	0.55 U	1.8 UJ	1.8 UJ	2.2 UJ	2.5 UJ	1.8 UJ	2.4 J	0.59 U	0.6 U	0.69 U	0.56 U	0.71 U
CALCIUM	6,490 J	879 J	1,310 J	555 U	9,890 J	10,600 J	8,530 J	8,370 J	10,900 J	9,570 J	634	708	1,910	478 J	1,900
CHROMIUM	16.4 J	19.2 J	15.5 J	3.6	5.0 J	5.7 J	5.5 J	5.1 UJ	3.6 UJ	3.9 UJ	12.5	8.8	17.0	22.1	22.5
COBALT	2.5 J	1.9 J	2.9 J	5.5 U	17.9 UJ	18.4 UJ	22.4 UJ	25.4 UJ	18.1 UJ	19.7 UJ	5.9 U	6.0 U	6.9 U	6.7	7.1 U
COPPER	29.8 J	14.0 J	13.9 J	3.9	16.1 J	15.7 J	16.5 J	13.8 J	9.0 J	14.5 J	10.1	10.3	18.3	4.6	23.1
IRON	9,520 J	19,600 J	17,500 J	4,050	3,260 J	4,310 J	3,100 J	3,630 J	2,600 J	2,290 J	14,500 J	9,660 J	14,400	28,400	20,600
LEAD	49.3 J	31.5 J	28.4 J	47.2 J	34.3 J	37.2 J	23.7 J	24.8 J	8.9 J	33.7 J	34.5 J	32.8 J	29.5 J	11.1 J	26.1 J
MAGNESIUM	1,740 J	904 J	1,120 J	118 J	888 J	807 J	683 J	718 J	557 J	729 J	405 J	398 J	1,340	540 J	1,270
MANGANESE	162 J	52.1 J	78.4 J	12.4 J	319 J	357 J	361 J	196 J	319 J	358 J	43.6 J	45.2 J	211 J	206 J	96.5 J
NICKEL	9.0 J	5.0 J	6.1 J	0.64 J	2.9 J	2.9 J	1.9 J	2.1 J	1.2 J	2.3 J	2.1 J	2.1 J	5.9	2.8 J	8.2
POTASSIUM	707 J	822 J	862 J	179 J	513 J	542 J	532 J	535 J	475 J	505 J	425 J	400 J	707	941	1,240
SELENIUM	0.87 J	0.95 J	0.93 J	0.52 J	1.4 J	1.9 J	1.6 J	2.1 J	1.5 J	2.1 J	0.71 J	0.77 J	1.1 J	1.2 J	1.2 J
SILVER	0.67 J	1.1 UJ	1.2 UJ	1.1 U	3.6 UJ	3.7 UJ	4.5 UJ	5.1 UJ	3.6 UJ	3.9 UJ	1.2 U	1.2 U	1.4 U	1.1 U	1.4 U
SODIUM	635 UJ	526 UJ	617 UJ	8.8 J	124 J	117 J	111 J	129 J	100 J	129 J	17.5 J	21.4 J	44.9 J	22.0 J	53.9 J
THALLIUM	3.2 U	2.6 U	3.1 U	2.8 U	9.0 UJ	9.2 UJ	11.2 UJ	12.7 UJ	9.0 UJ	9.8 UJ	3.0 U	3.0 U	3.4 U	2.8 U	3.6 U
VANADIUM	20.1 J	28.4 J	28.3 J	6.8	17.9 UJ	18.4 UJ	22.4 UJ	25.4 UJ	18.1 UJ	19.7 UJ	19	16.6	24.5	32.2	44.8
ZINC	60.3 J	25.6 J	5,160 J	8.3 J	64.4 J	69.3 J	56.5 J	50.2 J	126 J	59.3 J	19.9 J	19.5 J	49.7 J	27.2 J	102 J
TIN	12.7 UJ	10.5 UJ	12.3 UJ	11.1 U	35.8 UJ	36.8 UJ	44.8 UJ	50.8 UJ	36.1 UJ	39.4 UJ	11.9 U	12.0 U	13.8 U	11.2 U	14.2 U

All results in milligrams per kilogram (mg/kg)
U - Analyte not detected
J - Estimated concentration
UJ - The analyte was not quantifiable at or above the Contract Required Quantitation Limit (CRQL), or QA/QC requirements were not met
R - Unusable value

R2-0002101

Table 1
Inorganic Analytical Results-Soil Samples
September 10-16, 2008
Raritan Bay Slag

Field Sample No.	RBS-S82		RBS-S83		RBS-S84		RBS-S85		RBS-S86		RBS-S87		RBS-S88		RBS-S89		RBS-S90		RBS-S92		RBS-S93		RBS-S94		RBS-S95		RBS-S96		RBS-S97		RBS-S98	
EPA Sample No.	MB5368		MB5369		MB5370		MB5371		MB5372		MB5373		MB53M1		MB53M2		MB53M6		MB53M7		MB53M8		MB53N2		MB53N3		MB53N1		MB53N4		MB53N5	
Sample Depth	0-2 in.		0-2 in.		0-2 in.		0-2 in.		0-2 in.		0-2 in.		0-2 in.		0-2 in.		0-2 in.		0-2 in.		0-2 in.		0-2 in.		0-2 in.		0-2 in.		0-2 in.		0-2 in.	
Comment																																
ALUMINUM	5,290		7,040		6,660		4,860		7,730		8,070		743	J	1,060	J	790	R	479		187		3,920		2,600		8,430		5,070		13,400	
ANTIMONY	7	UJ	7.5	UJ	7.4	UJ	8.8	UJ	6.6	UJ	7.2	UJ	6.2	UJ	6.1	UJ	6.7	U	7.9	J	6.9	UJ	23.5		10.7		1,870		1,910		3,120	
ARSENIC	9.5		6.5		9.1		144		5.0		7.8		3.7		2.4		1.3	R	6.1		0.76	J	30.6	J	19.3	J	1,150	J	797	J	2,470	J
BARIUM	23.2	U	32.4		24.7	U	64.3		49.6		24.0	U	20.6	UJ	20.3	UJ	22.3	UJ	20.1	UJ	23.0	UJ	35.9		54.2		970		671		961	
BERYLLIUM	0.93		0.62	U	0.62	U	0.74	U	0.67		0.6	U	0.51	U	0.51	U	0.56	U	0.5	U	0.58	U	0.54		0.52	U	0.55	U	0.54	U	0.53	U
CADMIUM	0.6	U	0.62	U	0.62	U	0.74	U	0.55	U	0.6	U	0.51	U	0.51	U	0.56	U	0.5	U	0.58	U	0.53	R	0.52	R	4.7	R	54.0	R	38.3	R
CALCIUM	770		1,690		1,140		3,150		1,050		930		402	J	675		959	J	503	UJ	575	UJ	7,910		3,330		7,180		4,960		10,800	
CHROMIUM	53.8		19.3		22.5		19.1		12.8		19.9		4.3		4.8		2.9		5.3		2.1		71.7		38.9		50.6		29.6		38.6	
COBALT	11.3		6.2	U	6.2	U	7.4	U	5.5	U	6.0	U	5.1	U	5.1	U	5.6	U	5.0	U	5.8	U	5.1	U	5.2	U	6.9		14.4		24.1	
COPPER	7.2		19.1		9.1		23.2		9.3		8.8		1.6	J	1.2	J	1.6	R	4.9		1.3	J	315		175		1570		1,850		4,630	
IRON	43,700		16,300		17,100		25,500		18,200		19,400		10,400		8,920		4,220		7,930		2,280		32,600	J	33,100	J	118,000	J	57,900	J	183,000	J
LEAD	9.2	J	27.3	J	11.6	J	24.7	J	17.4	J	12.1	J	3.5	J	16.0	J	4.4		50.4	J	11.4	J	969		231		65,600		198,000		83,800	
MAGNESIUM	540	J	1,260		615	J	1,210		1,220		789		276	J	561		477	J	77.0	J	53.5	J	1240		1,040		1,510		1,820		1,900	
MANGANESE	231	J	147	J	117	J	940	J	380	J	77	J	28.4		68.7		49.3	R	28.0		41.3		126	J	138	J	870	J	695	J	1,420	J
NICKEL	4.1	J	7.1		3.7	J	5.4	J	8.0		3.8	J	0.99	J	2.2	J	2.0	J	4.0	U	4.6	U	8.6	J	5.3	J	54.9	J	174	J	268	J
POTASSIUM	805		842		699		750		761		810		179	J	293	J	245	J	49	J	31.8	J	357	J	231	J	938		502	J	1,440	
SELENIUM	1.2	J	1.1	J	1.1	J	1.8	J	1.1	J	1.0	J	3.6	U	3.6	U	0.37	J	0.61	J	0.46	J	3.6	UJ	3.6	UJ	3.8	UJ	4.5	J	0.5	J
SILVER	1.2	U	1.2	U	1.2	U	1.5	U	1.1	U	1.2	U	1.0	UJ	1.0	UJ	1.1	U	1.0	U	1.2	U	0.17	J	0.19	J	4.5	J	3.8	J	3.3	J
SODIUM	23.1	J	48.8	J	26.3	J	41.3	J	57.6	J	28.6	J	22.5	J	231	J	958	J	6.2	J	74.0	J	172	J	96.4	J	4,050		1,940		6,220	
THALLIUM	2.9	U	3.1	U	3.1	U	3.7	U	2.7	U	3.0	U	2.6	U	2.5	U	2.8	UJ	2.5	U	2.9	U	2.6	UJ	2.6	UJ	2.7	UJ	1.7	J	2.6	UJ
VANADIUM	48.4		25.8		27.3		24.8		27.9		31.9		14.3		9.4		5.2	J	10.0		5.8	U	67.2		43.9		64.1		26.8		62.5	
ZINC	42.2	J	71.8	J	26.4	J	62.5	J	40.1	J	23.3	J	7.7	J	12.1	J	7.9	J	19.3		6.9	U	115	J	103	J	834	J	1,490	J	2,700	J
TIN	11.6	U	12.4	U	12.3	U	14.7	U	10.9	U	12.0	U	10.3	U	10.2	U	11.1	UJ	10.1	U	11.5	U	20.2		10.7		1,900		1,310		3,580	

All results in milligrams per kilogram (mg/kg)
U - Analyte not detected
J - Estimated concentration
UJ - The analyte was not quantifiable at or above the Contract Required Quantitation Limit (CRQL), or QA/QC requirements were not met
R - Unusable value

R2-0002102

Table 2
Inorganic Analytical Results-Sediment Samples
September 10-16, 2008
Raritan Bay Slag

Field Sample No.	RBS-SED01		RBS-SED02		RBS-SED03		RBS-SED04		RBS-SED05		RBS-SED06		RBS-SED07		RBS-SED08		RBS-SED09		RBS-SED10		RBS-SED11		RBS-SED12		RBS-SED13	
EPA Sample No.	MB5374		MB5375		MB5376		MB5377		MB5378		MB5379		MB5380		MB5381		MB5382		MB5383		MB5384		MB5385		MB5386	
Sample Depth	0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.	
Comment			Duplicate of RBS-SED01																							
ALUMINUM	607	J	318	J	1,380	J	1,020	J	2,350	J	2,500	J	3,930	R	681	R	1,010	R	1,070	R	1,500	R	1,050	R	509	J
ANTIMONY	7.4	U	7.5	U	7.7	U	8.1	U	8.1	U	8.0	U	232	R	20.9	R	15.1	R	7.6	R	15.1	R	26	R	7.5	U
ARSENIC	3.0		1.3		3.9		4.2		10.5		11.5		157	R	22.7	R	17.1	R	9.5	R	12.5	R	29.4	R	2.9	
BARIUM	24.6	UJ	24.8	UJ	25.6	UJ	26.9	UJ	27.0	UJ	26.5	UJ	42.4	J	18.3	J	2.1	J	5.0	J	12.3	J	5.1	J	24.9	UJ
BERYLLIUM	0.62	U	0.62	U	0.64	U	0.67	U	0.68	U	0.66	U	0.76		0.65	U	0.61	U	0.62	U	0.71	U	0.6	U	0.62	U
CADMIUM	0.62	U	0.62	U	0.64	U	0.67	U	0.68	U	0.66	U	0.96		0.21	J	0.093	J	0.17	J	0.17	J	0.25	J	0.62	U
CALCIUM	616	U	621	U	639	U	1700		676	U	3,800		1,010	J	2,810	J	484	J	5,550	J	3,120	J	2,740	J	622	U
CHROMIUM	5.9	J	2.1	J	11.4		6.3		15.9		20.6		57.0		7.1		17.3		7.4		8.1		10.4		4.0	
COBALT	6.2	U	6.2	U	6.4	U	6.7	U	6.8	U	6.6	U	3.7	J	0.72	J	0.97	J	1.4	J	1.0	J	1.2	J	6.2	U
COPPER	2.1	J	1.4	J	7.5	J	7.4	J	15.1	J	22.9	J	248	R	24.0	R	31.1	R	18.1	R	51.7	R	31.8	R	2.3	J
IRON	9,420	J	3,180	J	12,100		10,500		23,000		28,500		96,100		10,400		19,500		7,650		13,700		14,300		6,990	
LEAD	9.2	J	7.3	J	37.6	J	60.9	J	135	J	252	J	5,860		861		403		326		441		660		11.5	J
MAGNESIUM	271	J	224	J	639	U	672	U	716		907		991		455	J	453	J	728		660	J	426	J	622	U
MANGANESE	16.7		6.1	R	60.8		41.3		56.0		87.3		174	R	48.5	R	65.9	R	51.7	R	29.5	R	23.4	R	12.9	
NICKEL	4.9	U	5.0	U	5.1	U	5.4	U	5.4	U	5.3	U	18.4		3.0	J	2.7	J	3.2	J	4.4	J	5.8		5.0	U
POTASSIUM	129	J	117	J	262	J	262	J	429	J	472	J	259	J	172	J	150	J	283	J	298	J	168	J	102	J
SELENIUM	4.3	U	4.3	U	4.5	U	4.7	U	4.7	U	4.6	U	1.1	J	0.6	J	0.85	J	0.63	J	0.94	J	0.78	J	4.4	U
SILVER	1.2	U	1.2	U	1.3	U	1.3	U	0.17	J	0.43	J	0.24	J	1.3	U	1.2	U	1.2	U	1.4	U	1.2	U	1.2	U
SODIUM	1,320		1,250		1,620		2,050		1,850		2,390		1,070	J	2,270	J	1,500	J	2,490	J	3,030	J	1,310	J	753	
THALLIUM	3.1	U	3.1	U	3.2	U	3.4	U	3.4	U	3.3	U	2.8	UJ	3.2	UJ	3.1	UJ	3.1	UJ	3.5	UJ	3.0	UJ	3.1	U
VANADIUM	11.0		6.2	U	15.8		16.9		77.8		33.1		71.0	J	11.7	J	26.8	J	11.0	J	18.3	J	20.4	J	9.3	
ZINC	16.4		9.2		22.0		30.9		65.8		75.0		242	J	46.3	J	47.0	J	41.1	J	53.8	J	54.9	J	15.0	
TIN	12.3	U	12.4	U	12.8	U	13.4	U	13.5	U	13.3	U	127	J	38.6	J	14.5	J	12.4	UJ	47.8	J	53.6	J	12.4	U

All results in milligrams per kilogram (mg/kg)
U - Analyte not detected
J - Estimated concentration
UJ - The analyte was not quantifiable at or above the Contract Required Quantitation Limit (CRQL), or QA/QC requirements were not met
R - Unusable value

R2-0002103

Table 2
Inorganic Analytical Results-Sediment Samples
September 10-16, 2008
Raritan Bay Slag

Field Sample No.	RBS-SED14		RBS-SED15		RBS-SED16		RBS-SED17		RBS-SED18		RBS-SED19		RBS-SED20		RBS-SED21		RBS-SED22		RBS-SED23		RBS-SED24		RBS-SED25		RBS-SED26		RBS-SED27		RBS-SED28	
EPA Sample No.	MB5387		MB5388		MB5389		MB5390		MB5391		MB5392		MB5393		MB5394		MB5395		MB5396		MB5397		MB5398		MB5399		MB53A0		MB53A1	
Sample Depth	0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.	
Comment																	Duplicate of RBS-SED21													
ALUMINUM	1,210	J	1,320	J	1,770	J	716	R	1,460	R	1,820	R	2,950	R	820	R	1,080		1,180		1,060		941		1,020		1,280	J	757	J
ANTIMONY	7.7	U	8.0	U	7.7	U	8.5	R	3.1	R	2.1	R	0.58	R	0.46	R	7.7	UJ	8.6	UJ	8.3	UJ	13.9	J	20.5	J	8.8	J	14.0	J
ARSENIC	3.5		3.9		8.6		2.4	R	5.6	R	6.3	R	9.4	R	2.0	R	2.4		3.1		2.9		6.6		15.7		22.2	J	10.2	J
BARIUM	25.6	UJ	26.8	UJ	25.8	UJ	2.7	J	31.9	UJ	29.9	UJ	30.4	UJ	26.2	UJ	25.8	UJ	28.6	UJ	27.5	UJ	23.4	UJ	27.8	UJ	6.0	J	5.7	J
BERYLLIUM	0.64	U	0.67	U	0.64	U	0.71	U	0.8	U	0.75	U	0.76	U	0.65	U	0.65	U	0.72	U	0.69	U	0.59	U	0.7	U	0.23	J	0.064	J
CADMIUM	0.64	U	0.67	U	1.4		0.22	J	0.8	U	0.75	U	0.76	U	0.65	U	0.65	U	0.72	U	0.69	U	0.59	U	0.7	U	0.62	U	0.69	U
CALCIUM	639	U	765		1,290		565	J	2,590	J	1,420	J	3,680	J	9,740	J	5,500	J	2,730	J	6,140	J	586	UJ	1,110	J	9,700		688	R
CHROMIUM	20.5		6.9		13.7		4.9		8.3		9.1		19.6		5.7		6.4		5.5		6.0		4.5		6.3		12.9		5.6	J
COBALT	6.4	U	6.7	U	6.4	U	0.48	J	8.0	U	7.5	U	7.6	U	6.5	U	6.5	U	7.2	U	6.9	U	5.9	U	7.0	U	0.88	J	0.38	J
COPPER	5.8	J	8.0	J	18.4	J	10.2	R	18.6	R	11	R	27.1	R	7.4	R	8.4		9.6		9.7		21.2		25.4		14.3	J	13.7	J
IRON	14,200		13,000		23,300		5,570		8,370		12,100		10,700		5,020		6,070		5,870		5,780		5,950		9,500		20,700	J	7,720	J
LEAD	22.6	J	36.2	J	107	J	75.7		186		93.5		58.2		48.1		53.6	J	90.7	J	79.4	J	458	J	525	J	311		394	
MAGNESIUM	639	U	670	U	671		719		952		1,110		1,160		425	J	495	J	617	J	462	J	505	J	591	J	633		530	J
MANGANESE	70.8		31.6		34.4		16.8	R	46.8	R	43.1	R	40.8	R	17.4	R	18.7		17.2		14.6		15.5		89.5		56.3		20.5	J
NICKEL	5.1	U	5.4	U	5.2	U	1.3	J	2.7	J	3.2	J	7.4		1.2	J	5.2	U	5.7	U	5.5	U	4.7	U	5.6	U	3.1	J	1.4	J
POTASSIUM	213	J	343	J	296	J	286	J	436	J	476	J	678	J	217	J	258	J	309	J	253	J	250	J	257	J	186	J	260	J
SELENIUM	4.5	U	4.7	U	4.5	U	5.0	UJ	0.71	J	0.88	J	1.6	J	0.76	J	0.58	J	0.59	J	0.54	J	0.65	J	0.69	J	1.2	J	4.8	UJ
SILVER	1.3	U	0.17	J	0.19	J	1.4	U	1.6	U	1.5	U	1.5	U	1.3	U	0.32	J	0.22	J	1.4	U	1.2	U	1.4	U	1.2	U	1.4	U
SODIUM	1,500		2,040		2,200		4,140	J	4,260	J	4,060	J	3,590	J	2,120	J	1,960		3,020		2,300		2,430		2,480		1,720		2,780	
THALLIUM	3.2	U	3.4	U	3.2	U	3.5	UJ	4.0	UJ	3.7	UJ	3.8	UJ	3.3	UJ	3.2	U	3.6	U	3.4	U	2.9	U	3.5	U	3.1	U	3.4	U
VANADIUM	15.1		17.8		33.3		10.6	J	15.7	J	17.6	J	23.7	J	10.4	J	12.0		10.9		10.7		9.4		14.3		26.1		9.9	
ZINC	25.1		39.2		71.7		27.6	J	52.7	J	43.2	J	59.2	J	32.2	J	34.9		30.3		32.9		29.1		39.4		43.6		26.0	
TIN	12.8	U	13.4	U	12.9	U	14.2	UJ	16	UJ	15.0	UJ	15.2	UJ	13.1	UJ	12.9	U	14.3	U	13.8	U	22.5		1,020		12.4	U	17.8	

All results in milligrams per kilogram (mg/kg)
U - Analyte not detected
J - Estimated concentration
UJ - The analyte was not quantifiable at or above the Contract Required Quantitation Limit (CRQL), or QA/QC requirements were not met
R - Unusable value

R2-0002104

Table 2
Inorganic Analytical Results-Sediment Samples
September 10-16, 2008
Raritan Bay Slag

Field Sample No.	RBS-SED29		RBS-SED30		RBS-SED31		RBS-SED32		RBS-SED33		RBS-SED34		RBS-SED35		RBS-SED36		RBS-SED37		RBS-SED38		RBS-SED39		RBS-SED40		RBS-SED41		RBS-SED42		RBS-SED43	
EPA Sample No.	MB53A2		MB53A3		MB53A4		MB53A5		MB53A6		MB53A7		MB53A8		MB53A9		MB53B0		MB53B1		MB53B2		MB53B3		MB53B4		MB53B5		MB53B6	
Sample Depth	0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.	
Comment																											Duplicate of RBS-SED41			
ALUMINUM	1,670	J	1,770	J	718	J	1,440	J	2,810	J	1,060	J	1,220	J	1,050	J	1,160	J	947	J	875	J	921	J	1,090	J	1,120	J	987	J
ANTIMONY	4.6	J	32.9	J	9.6	J	8.6	J	31.3	J	6.6	J	6.7	J	6.3	UJ	6.3	UJ	6.5	UJ	6.1	UJ	7.6	UJ	6.2	UJ	6.2	UJ	6.7	UJ
ARSENIC	5.1	J	48.2	J	10.4	J	10.4	J	55.7	J	10.2	J	6.3	J	1.9		2.9		2.3		1.9		1.5		3.1		2.0		2.1	
BARIUM	7.2	J	5.9	J	5.9	J	5.7	J	23.6	UJ	29.0	UJ	29.1	UJ	20.9	UJ	20.9	UJ	21.7	UJ	20.4	UJ	25.3	UJ	20.7	UJ	20.7	UJ	22.2	UJ
BERYLLIUM	0.026	J	0.27	J	0.062	J	0.44	J	0.87	J	0.099	J	0.09	J	0.52	U	0.52	U	0.54	U	0.51	U	0.63	U	0.52	U	0.52	U	0.55	U
CADMIUM	0.65	U	0.015	J	0.73	U	0.011	J	0.18	J	0.73	U	0.73	U	0.52	U	0.52	U	0.54	U	0.51	U	0.63	U	0.52	U	0.52		0.55	U
CALCIUM	894	R	7,560		727	R	1,690	R	5,600		726	R	729	R	419	J	2,600		526	J	682		430	J	2,180	J	667	J	809	
CHROMIUM	8.4		14.6		4.3	J	10.1		32.6		6.5	J	5.6	J	6.2		21.4		5.1		4.0		4.1		3.6	R	8.1		8.9	
COBALT	1.1	J	4.0	J	0.34	J	0.67	J	2.0	J	0.5	J	0.64	J	5.2	U	5.2	U	5.4	U	5.1	U	6.3	U	5.2	U	5.2	U	5.5	U
COPPER	15.7	J	46.7	J	12.7	J	18.8	J	26.3	J	17.2	J	29.2	J	1.2	J	2.2	J	0.99	J	1.5	J	1.1	J	0.94	J	0.89	J	0.58	J
IRON	7,770	J	26,200	J	7,530	J	12,300	J	68,300	J	8,710	J	7,220	J	5,590		10,600		5,880		6,170		3,940		6,010		5,580		6,340	
LEAD	200		530		280		318		533		307		304		3.0		3.0		2.5		5.5		2.0	J	1.9	R	11.4		4.2	
MAGNESIUM	817		679		514	J	719		851		636	J	679	J	556		550		554		407	J	696		475	J	559		494	J
MANGANESE	27.4	J	66.3		32.8	J	26.5	J	116		26.0	J	30.6	J	110		39.9		53.4		51.6		41.5		47.9		55.3		39.9	
NICKEL	2.7	J	14.5		1.4	J	2.1	J	7.4		1.8	J	2.4	J	4.2	U	4.2	U	4.3	U	4.1	U	5.1	U	4.5	U	4.1	U	4.4	U
POTASSIUM	424	J	222	J	255	J	321	J	291	J	334	J	344	J	347	J	274	J	334	J	311	J	539	J	334	J	390	J	336	J
SELENIUM	0.7	J	1.3	J	0.64	J	0.61	J	1.3	J	0.7	J	0.5	J	3.7	U	3.7	U	3.8	U	3.6	U	4.4	U	3.6	U	3.6	U	3.9	U
SILVER	1.3	U	0.3	J	1.5	U	1.4	U	0.11	J	0.13	J	1.5	U	1.0	UJ	1.0	UJ	1.1	UJ	1.0	UJ	1.3	UJ	1.0	UJ	0.16	J	1.1	UJ
SODIUM	2,190		1,230		2,670		3,090		1,470		2,950		2,840		524	U	524	U	555		510	U	1,890		519	U	518	U	640	
THALLIUM	3.2	U	2.9	U	3.6	U	3.6	U	3.0	U	3.6	U	3.6	U	2.6	U	2.6	U	2.7	U	2.5	U	3.2	U	2.6	U	2.6	U	2.8	U
VANADIUM	13.4		30.2		9.6		24.6		53.9		12.1		11.0		6.9	J	18.0	J	6.3	J	7.3	J	6.3	UJ	5.6	J	7.9	J	7.7	J
ZINC	27.2		65.7		24.3		34.0		114		32.9		35.4		7.9		11.3		9.7		8.6		7.6	U	9.3		9.6		8.5	
TIN	13.0	U	27		14.5	U	16.6		30.1		20.8		14.6	U	10.5	U	10.5	U	10.9	U	10.2	U	12.6	U	10.4	U	10.4	U	11.1	U

All results in milligrams per kilogram (mg/kg)
U - Analyte not detected
J - Estimated concentration
UJ - The analyte was not quantifiable at or above the Contract Required Quantitation Limit (CRQL), or QA/QC requirements were not met
R - Unusable value

R2-0002105

Table 2
Inorganic Analytical Results-Sediment Samples
September 10-16, 2008
Raritan Bay Slag

Field Sample No.	RBS-SED44		RBS-SED45		RBS-SED46		RBS-SED47		RBS-SED48		RBS-SED49		RBS-SED50		RBS-SED51		RBS-SED52		RBS-SED53		RBS-SED54		RBS-SED55		RBS-SED56		RBS-SED57		RBS-SED58	
EPA Sample No.	MB53B7		MB53B8		MB53B9		MB53C0		MB53C1		MB53C2		MB53C3		MB53C4		MB53C5		MB53C6		MB53C7		MB53C8		MB53C9		MB53D0		MB53D1	
Sample Depth	0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.	
Comment																														
ALUMINUM	1,030	J	910	J	1,110	J	707	J	1,020	J	1,140	J	996	J	1,060	J	992	J	6,410	J	11,000	J	2,100	J	4,720	J	5,800		3,230	
ANTIMONY	6.6	UJ	7.1	UJ	6.9	UJ	6.7	UJ	8.5	UJ	7.0	UJ	7.3	UJ	7.0	UJ	6.9	UJ	44.2	J	53.7	J	0.86	J	21.1	J	33.6		9.4	J
ARSENIC	3.1		2.1		1.9		1.1		1.9		3.7		1.6		2.1		2.3		36.2	J	62.9	J	3.4	J	41.8	J	44.7	J	16.2	J
BARIUM	21.9	UJ	23.7	UJ	23.0	UJ	22.2	UJ	28.2	UJ	23.2	UJ	24.3	UJ	23.4	UJ	23.1	UJ	38.4	J	53.8	J	6.4	J	22.0	J	32.3	J	16.7	J
BERYLLIUM	0.55	U	0.59	U	0.58	U	0.55	U	0.71	U	0.58	U	0.61	U	0.58	U	0.58	U	0.36	J	0.54	J	0.17	J	4.8	UJ	0.96	U	0.83	U
CADMIUM	0.55	U	0.59	U	0.58	U	0.55	U	0.71	U	0.58	U	0.61	U	0.58	U	0.58	U	1.8	J	2.8	J	0.049	J	4.8	R	1.3	R	0.83	R
CALCIUM	647		414	J	515	J	9,510		608	J	4,360		1,680		836		505	J	5,000	J	14,700	J	4,140		7,460	J	2,720		1,640	
CHROMIUM	5.6		3.9		5.1		2.8		5.7		11.2		4.7		4.4		4.5		26.6	J	43.5	J	9.2	R	25.7	J	28.0		15.7	
COBALT	0.95	J	0.94	J	1.1	J	0.76	J	1.0	J	0.87	J	0.81	J	5.8	U	5.8	U	5.7	J	8.7	J	1.8	J	48.1	UJ	9.6	U	8.3	U
COPPER	2.0	J	0.66	J	0.74	J	0.48	J	0.71	J	4.3		0.44	J	0.67	J	0.69	J	151	J	204	J	11.0	J	178	J	138		53.0	
IRON	5,820		6,660		5,150		3,720		5,810		10,700		4,240		5,730		5,160		22,800	J	32,300	J	7,270		26,300	J	22,000	J	12,400	J
LEAD	2.6		1.8	J	2.4		1.2	J	2.1	J	1.9	J	2.2	J	2.0		2.3		2,910	R	4,130	R	21.2	R	1,770	J	2,150		542	
MAGNESIUM	581		586	J	656		385	J	651	J	619		660		629		597		3,830	J	6,270	J	1,320		10,500	J	2,880		1,720	
MANGANESE	85.9		41.4		45.3		36.0		47.0		47.0		32.8		26.4		36.7		147	J	250	J	50.5		355	J	138	J	70.9	J
NICKEL	1.8	J	2.0	J	2.1	J	1.6	J	2.3	J	1.6	J	1.7	J	4.7	U	4.6	U	18.3	J	28.5	R	6.1	U	16.6	J	19.4	J	6.4	J
POTASSIUM	396	J	340	J	594		172	J	461	J	328	J	626		421	J	515	J	1,640	J	2,600	J	968		3,870	J	1,300		827	J
SELENIUM	3.8	U	4.1	U	4.0	U	3.9	U	4.9	U	0.47	J	4.3	U	4.1	U	4.0	U	2.0	J	2.4	J	0.69	J	33.6	UJ	6.7	UJ	5.8	UJ
SILVER	1.1	UJ	1.2	UJ	0.1	J	1.1	UJ	1.4	UJ	0.13	J	1.2	UJ	0.13	J	1.2	UJ	0.71	J	1.2	J	1.5	U	2.7	J	1.2	J	0.39	J
SODIUM	627		1,530		1,080		690		1,620		1,050		1,490		1,220		991		11,200	J	17,900	J	4,110		60,000	J	5,650		4,450	
THALLIUM	2.7	U	3.0	U	2.9	U	2.8	U	3.5	U	2.9	U	3.0	U	2.9	U	2.9	U	6.1	UJ	8.7	UJ	3.8	U	24.0	UJ	4.8	UJ	4.2	UJ
VANADIUM	7.3	J	6.0	J	7.0	J	5.5	UJ	7.3	J	5.8	UJ	6.1	UJ	9.0	J	6.6	J	28.4	J	43.5	J	11.7		53.2	J	32.5		19.8	
ZINC	6.9		10.4		8.3		5.1	J	8.7		10.1		6.9	J	7.9		7.9		205	J	268	J	33.3	R	215	J	218	J	94.5	J
TIN	11	U	11.8	U	11.5	U	11.1	U	14.1	U	11.6	U	12.2	U	11.7	U	11.5	U	89.3	J	127	J	15.3	U	96.1	UJ	63.0		16.6	U

All results in milligrams per kilogram (mg/kg)
U - Analyte not detected
J - Estimated concentration
UJ - The analyte was not quantifiable at or above the Contract Required Quantitation Limit (CRQL), or QA/QC requirements were not met
R - Unusable value

R2-0002106

Table 2
Inorganic Analytical Results-Sediment Samples
September 10-16, 2008
Raritan Bay Slag

Field Sample No.	RBS-SED59		RBS-SED60		RBS-SED61		RBS-SED62		RBS-SED63		RBS-SED64		RBS-SED65		RBS-SED66		RBS-SED67		RBS-SED68		RBS-S6ED69		RBS-SED70		RBS-SED71		RBS-SED72		RBS-SED73	
EPA Sample No.	MB53D2		MB53D3		MB53D4		MB53D5		MB53D6		MB53D7		MB53D8		MB53D9		MB53E0		MB53E1		MB53E2		MB53E3		MB53E4		MB53E5		MB53E6	
Sample Depth	0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.	
Comment							Duplicate of RBS-SED61																							
ALUMINUM	5,960	J	3,070		2,850		2,740		2,650		2,970		731	J	2,390	J	12,400	J	3,780	J	357	J	496	J	487	J	893	J	1,190	J
ANTIMONY	2.7	J	2.7	J	0.9	J	1.1	J	0.77	J	0.92	J	0.63	J	1.8	J	2.1	J	0.72	J	7.9	U	8.2	U	8.2	U	0.41	J	9.4	U
ARSENIC	12.6	J	7.5	J	4.2	J	4.1	J	5.1	J	7.7	J	2.8		13.8		16.1	J	6.9	J	1.3	UJ	2.0	J	1.4	UJ	4.4	J	3.1	J
BARIUM	24.2	J	13.7	J	10.1	J	8.9	J	5.9	J	5.8	J	1.4	J	5.6	J	36.2	J	14.0	J	1.9	J	1.4	J	3.2	J	1.0	J	4.9	J
BERYLLIUM	1.1	UJ	0.88	U	0.83	U	0.78	U	0.68	U	0.68	U	0.036	J	0.34	J	0.61	J	0.19	J	0.66	U	0.07	J	0.68	U	0.21	J	0.79	U
CADMIUM	1.1	R	0.88	R	0.83	R	0.78	R	0.68	R	0.68	R	0.64	UJ	0.61	UJ	1.1	UJ	1.1	UJ	0.023	J	0.014	J	0.058	J	0.61	U	0.091	J
CALCIUM	3,460	J	22,800		949		1,080		2,620		1,750		636	UJ	639	J	1,120	UJ	1,080	UJ	224	J	997		722		485	J	3,860	
CHROMIUM	25.5	J	14.1		13.3		13.0		12.2		23.9		4.4	J	21.0	J	34.6	J	15.3	J	1.7	R	4.5	R	2.7	R	5.8	R	7.1	R
COBALT	10.7	UJ	8.8	U	8.3	U	7.8	U	6.8	U	6.8	U	0.16	J	1.5	J	2.0	J	2.0	J	0.35	J	0.27	J	0.28	J	0.45	J	1.1	J
COPPER	60.8	J	34.4		30.7		28.4		18.0		20.5		3.7	J	13.9	J	53.8	J	62.7	J	1.4	J	1.8	J	2.3	J	3.4	J	3.8	J
IRON	17,200	J	10,400	J	9,220	J	9,430	J	17,600	J	24,700	J	9,460	J	51,300	J	34,600	J	12,400	J	1,650	J	5,650		2,250	J	16,200		5,810	
LEAD	251	J	197		90.1		80.1		36.3		29.6		23.8	J	23.8	J	279	J	79.4	J	4.9	R	3.2	R	7.7	R	8.3	R	9.3	R
MAGNESIUM	3,040	J	1,640		1,340		1,290		1,090		1,030		260	J	480	J	1,690	J	1,220	J	335	J	535	J	401	J	426	J	861	
MANGANESE	126	J	59.3	J	47.5	J	46.6	J	31.4	J	49.6	J	21.5	J	172	J	42.3	J	87.1	J	7.6	J	16.5	J	12.1	J	27.9		18.7	J
NICKEL	10.9	J	5.3	J	4.7	J	4.5	J	3.1	J	6.2	J	0.67	J	3.8	J	6.4	J	26.3	J	5.2	U	5.4	U	5.4	U	4.9	U	6.3	U
POTASSIUM	1,440	J	815	J	692	J	665	J	466	J	557	J	132	J	389	J	1,460	J	690	J	162	J	202	J	222	J	142	J	400	J
SELENIUM	7.5	UJ	6.1	UJ	0.83	J	0.73	J	0.79	J	0.92	J	0.7	J	0.98	J	2.2	J	1.2	J	4.6	U	0.57	J	4.8	U	0.56	J	0.68	J
SILVER	0.74	J	0.5	J	0.38	J	0.34	J	0.2	J	0.32	J	0.24	J	0.2	J	0.27	J	0.61	J	1.3	U	1.4	U	1.4	U	1.2	U	1.6	U
SODIUM	7,970	J	5,610		3,870		3,770		2,950		3,030		636	UJ	607	UJ	3,530	J	1,080	UJ	2,090		3,520		2,120		2,340		4,320	
THALLIUM	5.3	UJ	4.4	UJ	4.1	UJ	3.9	UJ	3.4	UJ	3.4	UJ	3.2	U	3.0	U	5.6	UJ	5.4	UJ	3.3	U	3.4	U	3.4	U	3.1	U	3.9	U
VANADIUM	28.0	J	17.9		16.8		17.8		28.5		36.5		13.0	J	45.3	J	56.3	J	21.3	J	6.5	U	11.2		6.8	U	13.6		15.6	
ZINC	138	J	97.2	J	75.0	J	70.3	J	54.8	J	89.0	J	24.3	J	58.3	J	43.7	J	45.6	J	9.1	R	10.8	R	14.4	R	22.7	R	21.6	R
TIN	21.3	UJ	17.5	U	16.5	U	15.6	U	13.5	U	13.7	U	12.7	UJ	12.1	UJ	22.4	UJ	21.5	UJ	13.1	U	13.6	U	13.6	U	12.2	U	15.7	U

All results in milligrams per kilogram (mg/kg)
U - Analyte not detected
J - Estimated concentration
UJ - The analyte was not quantifiable at or above the Contract Required Quantitation Limit (CRQL), or QA/QC requirements were not met
R - Unusable value

R2-0002107

Table 2
Inorganic Analytical Results-Sediment Samples
September 10-16, 2008
Raritan Bay Slag

Field Sample No.	RBS-SED74		RBS-SED81		RBS-SED82		RBS-SED83		RBS-SED84		RBS-SED85		RBS-SED86		RBS-SED87		RBS-SED88		RBS-SED89		RBS-SED90	
EPA Sample No.	MB53E7		MB53L8		MB53L9		MB53M0		MB53M3		MB53M4		MB53M5		MB53M9		MB53N0		MB53N7		MB53N8	
Sample Depth	0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.	
Comment																						
ALUMINUM	2,300	J	568	J	1,220	J	1,020	J	1,040	J	1,020	J	1,200	R	736		792		9,410	J	7,660	J
ANTIMONY	1.1	J	14.1	J	8.9	J	7.1	J	7.4	UJ	7.1	UJ	8.2	U	33.2	J	28.0	J	3,270		1,720	
ARSENIC	10.6	J	12.6	J	10.4	J	7.4	J	2.0		1.8		1.6	R	22.5		19.2		2,100	J	933	J
BARIUM	1.7	J	25.3	UJ	27.9	UJ	26.2	UJ	24.6	UJ	23.5	UJ	27.4	UJ	25.9	UJ	28.0	UJ	1,340	J	1,090	J
BERYLLIUM	0.99		0.074	J	0.12	J	0.1	J	0.62	U	0.59	U	0.68	U	0.65	U	0.7	U	0.64	U	0.62	U
CADMIUM	0.029	J	0.63	U	0.092	J	0.015	J	0.62	U	0.59	U	0.68	U	0.65	U	2.0		11.9		22.1	
CALCIUM	1,360		633	R	1,840	R	654	R	526	J	820		882	J	901	J	699	UJ	14,000		8,550	
CHROMIUM	34.4	J	4.5	J	6.1	J	5.4	J	5.1		4.9		5.0		6.7		5.8		55.5	J	3,500	
COBALT	2.9	J	0.42	J	0.62	J	0.64	J	6.2	U	5.9	U	6.8	U	6.5	U	7.0	U	20.2		22.3	
COPPER	4.9	J	22.3	J	24.6	J	17.7	J	0.54	J	0.56	J	1.8	R	37.3		117		2,050	J	969	J
IRON	40,100		7,270	J	8,140	J	8,000	J	4,560		4,930		4,830		12,700		6,810		154,000		120,000	
LEAD	8.6	R	463		422		318		2.1		2.4		7.3		1,100	J	1,440	J	89,200	R	42,200	R
MAGNESIUM	654		312	J	687	J	498	J	624		596		781		395	J	422	J	3,150		2,640	
MANGANESE	59.5		38.3		27.6	J	18.7	J	37.0		22.4		27.1	R	51.6		13.7		1,250		1,710	
NICKEL	6.3	R	1.9	J	2.5	J	1.9	J	4.9	U	4.7	U	1.9	J	12.2		5.6	U	88.8	J	1,500	
POTASSIUM	229	J	151	J	360	J	261	J	650		543	J	647	J	162	J	184	J	1,250		1,130	
SELENIUM	0.82	J	0.6	J	0.69	J	0.67	J	4.3	U	4.1	U	0.46	J	0.89	J	0.64	J	0.86	J	4.4	U
SILVER	0.17	J	1.3	U	0.12	J	0.21	J	1.2	UJ	1.2	UJ	1.4	U	0.23	J	0.14	J	2.4		0.93	J
SODIUM	1,890		1,550		2,620		2,020		1,140		1,250		2,440	J	2,050		1,770		7,230		5,720	
THALLIUM	3.1	U	3.2	U	3.5	U	3.3	U	3.1	U	2.9	U	3.4	UJ	3.2	U	3.5	U	3.2	U	3.1	U
VANADIUM	45.4		9.4		12.1		11.1		6.3	J	5.9	J	6.8	J	15.9		9.5		63.8		73.4	
ZINC	47.3	R	25.3		41.9		34.0		7.4	U	8.0		13.1	J	41.1		53.2		1,380		1,300	
TIN	12.3	U	25.8		18.3		17.4		12.3	U	11.8	U	13.7	UJ	45.4		42.1		1,980	J	1,480	J

All results in milligrams per kilogram (mg/kg)
U - Analyte not detected
J - Estimated concentration
UJ - The analyte was not quantifiable at or above the Contract Required Quantitation Limit (CRQL), or QA/QC requirements were not met
R - Unusable value

R2-0002108

Table 3
Inorganic Analytical Results-Surface Water Samples
September 10-16, 2008
Raritan Bay Slag

Field Sample No.	RBS-SW01	RBS-SW01D	RBS-SW02	RBS-SW02D	RBS-SW03	RBS-SW03D	RBS-SW04	RBS-SW04D	RBS-SW05	RBS-SW05D	RBS-SW06	RBS-SW06D	RBS-SW07	RBS-SW07D	RBS-SW08
EPA Sample No.	MB53F4	MB53F5	MB53F6	MB53F7	MB53F8	MB53F9	MB53G0	MB53G1	MB53G2	MB53G3	MB53G4	MB53G5	MB53G6	MB53G7	MB53G8
Comment															
ALUMINUM	481	441	331	338	459	470	329 R	673 R	393 J	502 J	537	614	1,950	1,140	1,430
ANTIMONY	2.9 J	2.6 J	60.0 U	1.4 J	3.3 J	60.0 U	60.0 U	1.6 J	1.6 J	60.0 U	60.0 U	60.0 U	8.5 J	5.9 J	4.4 J
ARSENIC	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	14.0	11.2	10.0 U
BARIUM	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U
BERYLLIUM	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
CADMIUM	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
CALCIUM	205,000	207,000	214,000	195,000	202,000	194,000	198,000	198,000	206,000	212,000	216,000	214,000	204,000	187,000	211,000
CHROMIUM	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	2.7 J	3.3 J	3.3 J	4.6 J	10.0 U	10.0 U	6.0 J
COBALT	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U	50.0 UJ	50.0 UJ	50.0 U	50.0 U	50.0 U
COPPER	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	8.9 J	8.9 J	4.1 J
IRON	1,210 J	1,190 J	956 J	867 J	1,110	1,060	916 R	1520 R	926 J	1,140 J	1,360	1,550	5,120	3,070	3,610
LEAD	33.1	37.8 J	29.8	24.8 J	30.0	24.9	25.2 J	31.3 J	10.0 UJ	11.9 J	14.2 J	17.7 J	153	152	109
MAGNESIUM	673,000	679,000	693,000	632,000	654,000	629,000	627,000	628,000	667,000	692,000	714,000	712,000	673,000	583,000	668,000
MANGANESE	116 J	115 J	116 J	106 J	103 J	96.8 J	109 J	124 J	103 J	102 J	99.8 J	107 J	235 J	196 J	199 J
NICKEL	40.0 U	40.0 U	40.0 U	40.0 U	40.0 U	40.0 U	40.0 U	40.0 U	40.0 U	40.0 U	40.0 U	40.0 U	40.0 U	40.0 U	50.0 U
POTASSIUM	209,000	211,000	220,000	205,000	219,000	212,000	216,000	221,000	213,000	221,000	227,000	226,000	204,000	208,000	224,000
SELENIUM	3.9 J	3.3 J	2.4 J	35.0 U	2.7 J	2.5 J	3.3 J	35.0 U	3.2 J	3.1 J	2.9 J	4.1 J	2.4 J	2.4 J	2.7 J
SILVER	10.0 U	10.0 U	0.99 J	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
SODIUM	1,630,000 R	1,610,000 R	1,490,000 R	1,500,000 R	1,900,000 R	1,660,000 R	1,590,000 R	1,540,000 R	1,950,000 R	1,750,000 R	1,720,000 R	1,670,000 R	1,970,000 R	1,510,000 R	1,700,000 R
THALLIUM	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U
VANADIUM	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U	50.0 UJ	50.0 UJ	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U
ZINC	60.0 U	60.0 U	60.0 U	60.0 U	60.0 U	60.0 U	60.0 R	60.0 R	60.0 U	60.0 U	60.0 U	60.0 U	60.0 U	60.0 U	60.0 U
TIN	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	0.8 J	100 U	100 U	2.8 J

All results in micrograms per liter (µg/L)
U - Analyte not detected
J - Estimated concentration
UJ - The analyte was not quantifiable at or above the Contract Required Quantitation Limit (CRQL), or QA/QC requirements were not met
R - Unusable value
Surface water sample numbers containing a 'D' (RBS-SW01D) indicates that the samples were analyzed for Dissolved Metals.

R2-0002109

Table 3
Inorganic Analytical Results-Surface Water Samples
September 10-16, 2008
Raritan Bay Slag

Field Sample No.	RBS-SW08D	RBS-SW09	RBS-SW09D	RBS-SW10	RBS-SW10D	RBS-SW11	RBS-SW11D	RBS-SW12	RBS-SW12D	RBS-SW13	RBS-SW13D	RBS-SW14	RBS-SW14D	RBS-SW15	RBS-SW15D	RBS-SW16	RBS-SW16D
EPA Sample No.	MB53G9	MB53H0	MB53H1	MB53H2	MB53H3	MB53H4	MB53H5	MB53H6	MB53H7	MB53H8	MB53H9	MB53J0	MB53J1	MB53J2	MB53J3	MB53J4	MB53J5
Comment																	
ALUMINUM	1,290	3,660	4,320	3,150 J	4,240 J	5,890	4,590	6,780 J	5,660 J	3,080 R	6,780 R	6,010 J	4,430 J	2,910 J	3,920 J	12,600 J	15,600 J
ANTIMONY	4.3 J	11.7 J	15.3 J	13.8 J	19.4 J	29.0 J	26.5 J	60.0 U	60.0 U	60.0 U	60.0 U	60.0 U	60.0 U	21.1 J	27.7 J	53.2 J	61.6
ARSENIC	10.0 U	29.3	24.5	29.4 J	36.2 J	34.5	27.1	15.2	16.2	12.0 J	15.5 J	14.9	15.0	22.0	26.3	70.9	79.7
BARIUM	200 U	200 U	200 U	200 U	200 U	200 U	200 U	44.4 J	40.7 J	26.3 J	35.5 J	34.0 J	29.0 J	29.5 J	31.9 J	64.9 J	76.6 J
BERYLLIUM	5.0 U	0.65 J	0.57 J	0.47 J	0.7 J	0.054 J	0.16 J	5.0 U	5.0 U	5.0 R	5.0 R	5.0 U	5.0 U	5.0 R	5.0 R	5.0 UJ	5.0 UJ
CADMIUM	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.33 J	0.23 J	0.09 J	0.2 J	0.1 J	0.14 J	0.34 J	0.35 J	5.0 U	5.0 U
CALCIUM	202,000	208,000	222,000	219,000	212,000	208,000	200,000	311,000 J	295,000 J	258,000 J	273,000 J	255,000 J	250,000 J	234,000 J	231,000 J	230,000 J	230,000 J
CHROMIUM	3.1 J	17.8	19.8	16.5	19.4	25.0	18.3	28.9 J	25.1 J	14.0 R	27.5 R	23.8 J	20.3 J	12.5 J	14.7 J	43.8 R	51.6 R
COBALT	50 U	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U	17.0 J	13.8 J	6.8 R	13.5 R	12.3 J	8.8 J	2.8 J	3.5 J	50.0 UJ	50.0 UJ
COPPER	3.1 J	53.3	21.6 J	67.7 J	82.6 J	54.6	35.2	23.9 J	14.0 J	25.0 U	4.3 J	4.0 J	25.0 U	32.4 J	45.2 J	154 J	197 J
IRON	3,280	14,500 J	17,700 J	10,900 J	14,300 J	17,800	13,000	20,500 J	19,400 J	12,200 R	23,900 R	20,500 J	18,000 J	6,320 J	7,900 J	27,100 R	29,300 R
LEAD	89.7	1,220	686	1,450 J	1,780 J	867	739	99.0 J	86.0 J	27.2 R	60.8 R	54.0 J	39.0 J	494 J	585 J	1,580 J	1,810 J
MAGNESIUM	657,000	645,000	698,000	688,000	668,000	669,000	617,000	730,000 J	754,000 J	810,000 J	767,000 J	761,000 J	760,000 J	785,000 J	763,000 J	745,000 J	735,000 J
MANGANESE	177 J	366 J	357 J	348 J	382 J	265 J	237 J	2,620 J	2,140 J	987 R	2,010 R	1,710 J	1,040 J	309 J	330 J	874 R	1,100 R
NICKEL	40.0 U	40.0 U	40.0 U	40.0 UJ	40.0 UJ	40.0 U	40.0 U	20.4 J	16.0 J	6.3 R	12.5 R	11.9 J	8.9 J	6.3 J	8.1 J	22.1 J	26.2 J
POTASSIUM	217,000	212,000	234,000	230,000	224,000	225,000	218,000	214,000 J	224,000 J	242,000 J	235,000 J	238,000 J	239,000 J	253,000 J	250,000 J	255,000 J	260,000 J
SELENIUM	35.0 U	35.0 U	35.0 U	35.0 U	35.0 U	35.0 U	35.0 U	3.4 J	3.3 J	2.6 J	2.6 J	35.0 U	35.0 U	35.0 U	2.6 J	3.8 J	2.3 J
SILVER	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	2.0 J	10.0 U	1.3 J	10.0 UJ	1.3 J	1.7 J
SODIUM	1,820,000 R	5,510,000	6,050,000	5,820,000	5,830,000	5,590,000	5,510,000	1,870,000 R	1,590,000 R	1,540,000 R	1,400,000 R	1,350,000 R	1,330,000 R	1,310,000 R	1,310,000 R	1,530,000 R	1,370,000 R
THALLIUM	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U
VANADIUM	50.0 U	49.3 J	53.8 J	42.7 J	51.1 J	45.0 J	50.0 UJ	94.9 J	83.4 J	50.0 R	73.8 R	68.3 J	52.0 J	50.0 UJ	50.0 UJ	65.2 J	63.8 J
ZINC	60.0 U	218	179	201 J	251 J	137	112	187 J	145 J	83.5 R	161 R	142 J	108 J	67.4 J	81.6 J	255 J	363 J
TIN	100 U	15.3 J	17.4 J	8.8 R	17.1 R	33.1 J	22.0 J	1.6 J	100 U	100 U	0.58 J	0.9 J	100 U	7 R	11.2 R	27.1 J	35.4 J

All results in micrograms per liter (µg/L)
U - Analyte not detected
J - Estimated concentration
UJ - The analyte was not quantifiable at or above the Contract Required Quantitation Limit (CRQL), or QA/QC requirements were not met
R - Unusable value
Surface water sample numbers containing a 'D' (RBS-SW01D) indicates that the samples were analyzed for Dissolved Metals.

R2-0002110

Table 3
Inorganic Analytical Results-Surface Water Samples
September 10-16, 2008
Raritan Bay Slag

Field Sample No.	RBS-SW17		RBS-SW17D		RBS-SW18		RBS-SW18D		RBS-SW19		RBS-SW19D		RBS-SW20		RBS-SW20D		RBS-SW21		RBS-SW21D		RBS-SW22		RBS-SW22D		RBS-SW23		RBS-SW23D		RBS-SW24		RBS-SW24D	
EPA Sample No.	MB53J6		MB53J7		MB53J8		MB53J9		MB53K0		MB53K1		MB53K2		MB53K3		MB53K4		MB53K5		MB53K6		MB53K7		MB53K8		MB53K9		MB53L0		MB53N6	
Comment																													Duplicate of RBS-SW21		Duplicate of RBS-SW21D	
ALUMINUM	200	U	200	U	102	J	82.9	J	6,030		2,720		1,940		886		180	J	184	J	252	J	257	J	235	J	233	J	196	J	224	J
ANTIMONY	60.0	U	60.0	U	60.0	U	60.0	U	6.3	J	2.8	J	2.5	J	60.0	U	60.0	U	60.0	U	60.0	U	60.0	U	60.0	U	60.0	U	60.0	U	60.0	U
ARSENIC	10.0	U	10.0	U	10.0	U	10.0	U	25.0		13.6		21.6		10.0	U	4.8	J	4.0	J	2.7	J	3.4	J	3.8	J	2.5	J	2.7	J	4.7	J
BARIUM	200	U	200	U	200	U	200	U	200	U	200	U	200	U	200	U	21.4	J	22.2	J	22.0	J	22.2	J	21.7	J	21	J	22.4	J	22.2	J
BERYLLIUM	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	UJ	5.0	UJ	5.0	U	5.0	U
CADMIUM	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
CALCIUM	26,600		27,300		31,000		28,800		29,600		29,500		29,300		28,800		222,000	J	226,000	J	222,000	J	223,000	J	224,000	J	216,000	J	228,000	J	225,000	J
CHROMIUM	10.0	U	10.0	U	10.0	U	10.0	U	16.0		5.4	J	4.7	J	1.3	J	10.0	UJ	10.0	UJ	10.0	UJ	10.0	UJ	10.0	R	10.0	R	10.0	UJ	10.0	UJ
COBALT	50.0	U	50.0	U	50.0	U	50.0	U	50.0	U	50.0	U	50.0	U	50.0	U	1.1	J	1.1	J	1.2	J	1.1	J	50.0	UJ	50.0	UJ	0.97	J	1.1	J
COPPER	25.0	U	2.2	J	4.1	J	25.0	U	52.5		43.5		15.2	J	9.1	J	25.0	U	25.0	U	25.0	U	25.0	U	25.0	U	25.0	U	25.0	U	25.0	U
IRON	958		899		1,320		1,100		74,400		58,500		10,600		4,530		345	J	348	J	484	J	471	J	333	R	311	R	342	J	429	J
LEAD	10.0	U	10.0	UJ	10.0	U	10.0	U	298		282		49.9		28.0		10.0	UJ	10.0	UJ	6.7	J	5.1	J	10.0	UJ	10.0	UJ	10.0	UJ	3.4	J
MAGNESIUM	38,500		40,000		46,000		42,900		62,800		61,300		40,600		39,600		754,000	J	761,000	J	742,000	J	746,000	J	723,000	J	685,000	J	772,000	J	765,000	J
MANGANESE	201	J	200	J	228	J	220	J	764	J	693	J	494	J	335	J	163	J	167	J	171	J	170	J	122	R	117	R	162	J	157	J
NICKEL	40.0	U	40.0	U	40.0	U	40.0	U	40.0	U	40.0	U	40.0	U	40.0	U	1.6	J	1.7	J	1.4	J	1.4	J	2.1	J	40.0	U	1.5	J	1.7	J
POTASSIUM	17,600		17,900		19,300		18,200		28,700		28,100		17,700		17,400		233,000	J	238,000	J	235,000	J	237,000	J	259,000	J	255,000	J	241,000	J	238,000	J
SELENIUM	35.0	U	35.0	U	35.0	U	35.0	U	35.0	U	2.9	J	35.0	U	2.3	J	35.0	U	35.0	U	2.4	J	35.0	U	3.1	J	35.0	U	35.0	U	35.0	U
SILVER	10.0	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0	UJ	10.0	UJ	10.0	UJ	10.0	UJ	10.0	UJ	10.0	UJ	10.0	UJ
SODIUM	326,000	R	349,000	R	376,000	R	380,000	R	572,000	R	575,000	R	365,000	R	361,000	R	1,510,000	R	1,570,000	R	1,360,000	R	1,330,000	R	1,360,000	R	1,280,000	R	1,340,000	R	1,320,000	R
THALLIUM	25.0	U	25.0	U	25.0	U	25.0	U	25.0	U	25.0	U	25.0	U	25.0	U	25.0	U	25.0	U	25.0	U	25.0	U	25.0	U	25.0	U	25.0	U	25.0	U
VANADIUM	50.0	U	50.0	U	50.0	U	50.0	U	50.0	U	50.0	U	50.0	U	50.0	U	50.0	UJ	50.0	UJ	50.0	UJ	50.0	UJ	50.0	UJ	50.0	UJ	50.0	R	50.0	R
ZINC	60.0	R	60.0	R	60.0	U	60.0	U	186		151		64.8		60.0	U	60.0	UJ	60.0	UJ	60.0	UJ	60.0	UJ	60.0	R	60.0	R	60.0	UJ	60.0	UJ
TIN	100	U	100	U	100	U	100	U	100	U	100	U	100	U	100	U	100	U	100	U	100	U	100	U	100	U	100	U	100	U	100	U

All results in micrograms per liter (µg/L)
U - Analyte not detected
J - Estimated concentration
UJ - The analyte was not quantifiable at or above the Contract Required Quantitation Limit (CRQL), or QA/QC requirements were not met
R - Unusable value
Surface water sample numbers containing a 'D' (RBS-SW01D) indicates that the samples were analyzed for Dissolved Metals.

R2-0002111

Table 4
Inorganic TCLP Results- Soil Samples
September 10-16, 2008
Raritan Bay Slag

Field Sample No.	RBS-S01A		RBS-S02A		RBS-S03A		RBS-S04A		RBS-S05A		RBS-S06A		RBS-S07A		RBS-S09A		RBS-S10A		RBS-S59A		RBS-S60A		RBS-S97		RBS-S98	
EPA Sample No.	MB52W5		MB52W8		MB52X1		MB52X4		MB52X7		MB52Y0		MB52Y1		MB52Y7		MB52Z0		MB5341		MB5344		MB53N4		MB53N5	
Sample Depth	0-2 in.		0-2 in.		0-2 in.		0-2 in.		0-2 in.		0-2 in.		0-2 in.		0-2 in.		0-2 in.		0-2 in.		0-2 in.		0-2 in.		0-2 in.	
Comment											Duplicate of RBS-S05A															
ARSENIC	21.6		13.3		24.5		10.0	U	10.0	U	10.0	U	227		7.8	J	4.8	J	7.6	J	416		564		167	
BARIUM	200	U	209		200	U	200	U	226		200	U	200	U	221		397		200	U	200	U	200	U	200	U
CADMIUM	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	62.4		5.0	U	5.0	U	5.0	U	11.8		416		202	
CHROMIUM	0.78	J	3.4	J	10.0	U	10.0	U	10.0	U	0.92	J	10.0	U	10.0	U	10.0	U	2.8	J	1.6	J	10.0	U	10.0	U
LEAD	31,500		11,100		28,700		62.6		2,330	J	932	J	930,000		451		5,850		10,300		723,000		561,000		1,230,000	
MERCURY	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
SELENIUM	35.0	U	35.0	U	35.0	U	35.0	U	35.0	U	35.0	U	8.6	J	35.0	U	35.0	U	3.6	J	6.4	J	5.7	J	10.4	J
SILVER	10.0	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0	U	1.0		10.0	U	10.0	U	10.0	U	10.0	U

All results in micrograms per liter (µg/L)
U - Analyte not detected
J - Estimated concentration

R2-0002112

Table 5
Grain Size Distribution Results- Sediment Samples
September 10-16, 2008
Raritan Bay Slag

Field Sample ID.	RBS-SED01	RBS-SED03	RBS-SED04	RBS-SED05	RBS-SED06	RBS-SED07	RBS-SED08	RBS-SED09	RBS-SED10	RBS-SED11
Comment										
Soil Classification	Percent of Total Sample									
Gravel	1.0	25.8	12.8	5.5	49.7	19.9	5.6	19.0	9.5	6.0
Sand	96.8	71.3	83.2	82.5	48.6	78.5	93.2	79.3	87.7	90.1
Coarse Sand	1.8	7.8	1.8	4.8	8.9	22.6	1.4	3.4	8.3	6.2
Medium Sand	17.8	9.3	3.2	5.7	9.8	30.8	6.2	16.1	15.8	12.2
Fine Sand	77.2	54.3	78.1	72.0	29.9	25.1	85.5	59.7	63.5	71.7
Silt	1.3	1.8	2.9	9.5	0.8	1.7	0.6	1.0	1.5	2.1
Clay	1.0	1.0	1.1	2.6	0.9	0.0	0.6	0.7	1.3	1.9
Field Sample ID.	RBS-SED12	RBS-SED13	RBS-SED14	RBS-SED15	RBS-SED16	RBS-SED17	RBS-SED18	RBS-SED19	RBS-SED20	RBS-SED21
Comment										
Soil Classification	Percent of Total Sample									
Gravel	28.7	21.2	38.1	40.2	27.8	20.7	0.4	6.4	19.3	4.1
Sand	66.1	77.1	60.2	57.8	67.1	72.0	92.8	87.5	72.0	91.2
Coarse Sand	20.0	4.2	4.7	11.6	11.8	8.8	0.4	8.2	4.1	0.9
Medium Sand	13.3	14.4	8.0	5.6	10.2	4.2	2.6	7.1	5.9	4.8
Fine Sand	32.8	58.5	47.4	40.6	45.1	58.9	89.9	72.2	62.0	85.4
Silt	5.0	1.2	0.8	1.2	3.8	6.3	4.6	4.9	3.3	3.5
Clay	0.3	0.5	0.9	0.9	1.3	1.0	2.2	1.3	5.5	1.2
Field Sample ID.	RBS-SED 23	RBS-SED24	RBS-SED25	RBS-SED26	RBS-SED27	RBS-SED28	RBS-SED29	RBS-SED30	RBS-SED31	RBS-SED32
Comment										
Soil Classification	Percent of Total Sample									
Gravel	1.1	2.4	0.0	0.2	2.4	0.0	12.9	23.4	0.0	0.7
Sand	94.0	95.4	94.0	97.9	96.9	98.5	81.0	74.1	94.3	92.7
Coarse Sand	0.5	2.0	0.0	1.3	3.8	0.3	3.3	12.0	0.1	0.2
Medium Sand	2.1	4.0	1.3	8.9	15.4	1.9	3.6	39.2	1.5	1.5
Fine Sand	91.4	89.3	92.6	87.7	77.7	96.3	74.1	22.9	92.8	91.0
Silt	3.3	0.8	4.7	0.9	1.0	1.2	4.7	2.7	5.4	4.7
Clay	1.6	1.4	1.4	0.9	0.0	0.3	1.4	0.0	0.3	1.8
Field Sample ID.	RBS-SED33	RBS-SED34	RBS-SED35	RBS-SED36	RBS-SED37	RBS-SED38	RBS-SED39	RBS-SED40	RBS-SED41	RBS-SED43
Comment										
Soil Classification	Percent of Total Sample									
Gravel	26.3	1.5	1.1	4.0	21.0	0.8	39.2	12.2	17.3	0.7
Sand	71.7	96.4	91.6	94.9	78.4	97.8	60.3	85.6	82.3	96.7
Coarse Sand	16.2	0.1	0.2	8.3	14.5	4.9	7.5	2.8	9.5	2.0
Medium Sand	27.7	2.0	1.8	42.5	35.2	50.4	19.9	18.4	25.9	47.1
Fine Sand	27.8	94.3	89.5	44.1	28.7	42.5	33.0	64.4	47.0	47.5
Silt	1.8	1.3	6.0	0.9	0.3	0.6	0.2	1.5	0.1	2.4
Clay	0.2	0.8	1.4	0.3	0.3	0.8	0.2	0.7	0.3	0.3

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Table 5
Grain Size Distribution Results- Sediment Samples
September 10-16, 2008
Raritan Bay Slag

Field Sample ID.	RBS-SED44	RBS-SED45	RBS-SED46	RBS-SED47	RBS-SED48	RBS-SED49	RBS-SED50	RBS-SED51	RBS-SED52	RBS-SED53
Comment										
Soil Classification	Percent of Total Sample									
Gravel	16.6	15.0	23.0	15.9	5.9	21.0	2.1	20.0	2.1	8.2
Sand	81.1	84.0	73.6	82.7	93.0	77.4	96.7	79.7	95.2	37.7
Coarse Sand	6.9	12.9	4.6	15.5	5.9	13.1	1.4	8.1	2.0	2.3
Medium Sand	19.2	46.2	13.6	54.5	25.4	26.3	8.4	31.8	10.9	2.7
Fine Sand	55.0	24.8	55.4	12.7	61.7	38.0	86.8	39.8	82.3	32.7
Silt	1.5	0.4	3.7	0.8	0.3	1.0	1.0	0.2	2.0	49.4
Clay	0.8	0.6	-0.3	0.7	0.8	0.6	0.3	0.1	0.7	4.7
Field Sample ID.	RBS-SED54	RBS-SED55	RBS-SED56	RBS-SED57	RBS-SED58	RBS-SED59	RBS-SED60	RBS-SED61	RBS-SED63	RBS-SED64
Comment										
Soil Classification	Percent of Total Sample									
Gravel	7.0	5.7	0.0	0.0	0.0	0.0	6.6	22.1	1.7	30.2
Sand	34.7	86.4	56.3	64.6	90.2	57.7	80.1	69.8	46.5	65.7
Coarse Sand	4.2	2.7	37.2	1.4	1.9	3.0	0.3	7.5	0.1	6.1
Medium Sand	5.6	6.7	1.8	2.8	1.8	1.1	0.6	0.9	11.0	9.6
Fine Sand	24.9	77.0	17.4	60.5	8605.0	53.7	79.1	61.4	35.5	50.1
Silt	54.1	4.4	32.1	32.3	6.9	38.1	10.3	6.0	49.9	2.1
Clay	4.1	3.6	11.6	3.1	2.9	4.2	3.0	2.2	1.8	2.1
Field Sample ID.	RBS-SED65	RBS-SED66	RBS-SED67	RBS-SED68	RBS-SED69	RBS-SED70	RBS-SED71	RBS-SED72	RBS-SED73	RBS-SED74
Comment										
Soil Classification	Percent of Total Sample									
Gravel	31.6	0.0	53.2	0.0	2.7	5.2	0.2	4.4	1.3	8.5
Sand	65.2	55.7	16.3	86.9	94.9	93.1	96.7	94.5	80.2	90.2
Coarse Sand	5.0	0.2	11.4	2.1	1.9	6.9	0.5	11.8	2.1	21.2
Medium Sand	13.1	15.1	1.9	4.3	1.7	11.1	0.6	43.4	1.7	43.2
Fine Sand	47.1	40.4	3.1	80.5	91.3	75.0	95.6	39.3	76.4	25.8
Silt	3.2	44.3	13.1	8.1	1.7	0.6	1.3	0.5	15.3	1.2
Clay	0.0	0.0	17.4	5.1	0.7	1.1	1.8	0.6	3.2	0.1
Field Sample ID.	RBS-SED81	RBS-SED82	RBS-SED83	RBS-SED84	RBS-SED85	RBS-SED86	RBS-SED87	RBS-SED88	RBS-SED89	RBS-SED90
Comment										
Soil Classification	Percent of Total Sample									
Gravel	0.0	1.7	0.0	3.9	4.1	19.4	0.4	0.0	32.6	51.8
Sand	98.6	92.9	97.3	94.9	93.1	79.5	98.9	95.7	63.7	45.8
Coarse Sand	0.4	0.1	0.2	3.6	1.5	1.9	0.2	0.0	26.7	20.8
Medium Sand	4.0	1.0	1.3	24.6	10.5	9.0	8.0	3.7	27.6	16.1
Fine Sand	94.3	91.8	95.9	66.7	81.1	68.6	90.6	92.0	9.4	8.9
Silt	1.1	4.5	1.9	0.6	2.1	0.4	0.4	2.9	2.4	1.1
Clay	0.3	0.9	0.9	0.7	0.7	0.7	0.4	1.4	1.3	1.3

Note- RBS-SED84, RBS-SED85, and RBS-SED86 are incorrectly marked on the chain of custody as RBS-SED81, RBS-SED82, and RBS-SED83.

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Appendix H

EPA September 2008 Sampling Results (Chemical Assessment)

REPORT 1 OF 2
RARITAN BAY SLAG SITE
OLD BRIDGE AND SAYREVILLE, MIDDLESEX COUNTY, NEW JERSEY

CHEMICAL ASSESSMENT REPORT

CHARACTERIZATION OF SLAG\WASTE MATERIAL
FATE AND TRANSPORT OF CONTAMINANTS
BIOMONITORING OF CONTAMINANTS

U.S. EPA Work Assignment No.: 0-356
Lockheed Martin Work Order No.: EAC00356
U.S. EPA Contract No.: EP-C-04-032

Prepared by:
Lockheed Martin/REAC

Larry Lyons
REAC Task Leader

6/10/09
Date

Dennis Miller
Program Manager

6/11/09
Date

Prepared for:
EPA/ERT

Mark Sprenger, Ph.D
Work Assignment Manager

0356-DFR-060909

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LIST OF ACRONYMS AND ABBREVIATIONS

Ag	Silver
As	Arsenic
AsCuS	Arsenic copper sulfide
CFR	Code of Federal Regulations
cm	centimeter
Cr	Chromium
Cu	Copper
CuO_2	Cuprite
g	gram
EPA	Environmental Protection Agency
ERT	Emergency Response Team
Fe	Iron
ICP-AES	Inductively Coupled Plasma – Atomic Emission Spectrometry
M	molar
mg/kg	milligrams per kilogram
mg/L	milligrams per liter
Mn	Manganese
Ni	Nickel
NJ	New Jersey
NJDEP	New Jersey Department of Environmental Protection
oz	ounce
Pb	Lead
$PbCO_3$	Lead Carbonate
PbO	Lead Oxide
Pb(OH)Cl	Lead Hydroxide Chloride
Pb_2OSO_4	Lanarkite
PbS	Lead Sulfide
$PbSO_4$	Lead Sulfate
$PbZrO_3$	Lead Zirconium Oxide
RCRA	Resource Conservation and Recovery Act
REAC	Response, Engineering and Analytical Contract
Sb	Antimony
SiO_2	Silicate
SOP	Standard Operating Procedure
Sn	Tin
TAL	Target Analyte List
TCLP	Toxicity Characteristic Leaching Procedure
U	not detected
µg/L	microgram per liter
µm	micron
U.S.	United States
WA	work assignment
XRD	X-ray Diffraction
Zn	Zinc
%	percent
<	less than

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EXECUTIVE SUMMARY

The Raritan Bay Slag site, located in Old Bridge and Sayreville, New Jersey (NJ), extends approximately 1.5 miles from Margaret's Creek Wetlands Area along the seawall adjacent to the Old Bridge Waterfront Park to the waterfront area just west of the Cheesequake Creek Inlet western jetty. In the late 1960s and early 1970s, lead-bearing slag and other demolition material were used as fill and stabilizing material for the construction of the seawall. In addition, slag and associated materials were used to build-up the western jetty at the Cheesequake Creek Inlet.

The objectives of this work assignment (WA) were to characterize the metallurgical waste material at the site; evaluate the potential for release and transport of contaminants associated with the waste material; collect data in support of human and ecological risk assessment; and conduct an initial ecological risk assessment. Final results are presented in two separate documents. This document presents the data collected and an assessment of the data relative to the chemical nature, fate and transport of the contaminants. A second document utilizes the same data in an initial ecological risk assessment (EPA/ERT/REAC 2009).

The results of this evaluation are as follows:

• Slag from the seawall, Cheesequake Creek Inlet western jetty and along the beachfront west of the jetty was highly heterogenous with a wide range of concentrations. Particularly high concentrations were found for arsenic (As), copper (Cu), lead (Pb), antimony (Sb), tin (Sn) and zinc (Zn). Lead concentrations exceeded 10,000 mg/kg for 15 of the 17 samples analyzed and exceeded 100,000 mg/kg for 5 of the 17 samples analyzed

• Metal speciation analysis of the slag reinforced the conclusion of heterogeneity of the material present, and confirmed that it was metallurgical waste material. The analyses identified various Pb, Cu, As and Sn compounds as dominant species. Five different Pb species were identified as dominant species in the slag. Of particular importance was the finding that interior and exterior layers of the slag contained different Pb species, with the interior layers containing Pb species with greater affinity to mobilize from the potential weathering and erosion of the slag. This finding is consistent with a conclusion that the slag is weathering.

• The leachability and/or mobility of the metals from the slag were evaluated under acidic conditions following Toxicity Characteristic Leaching Procedure (TCLP) methods. All 17 slag samples exceeded the Resource Conservation and Recovery Act (RCRA) regulatory limit for Pb of 5.0 mg/L based on TCLP, designating the slag as hazardous waste. Leachable metal determinations were also presented as concentration leached based on dry weight. Lead concentrations leached from the slag exceeded 1,000 mg/kg for 15 of the 17 slag samples, with 10 samples having leachable Pb concentrations exceeding 10,000 mg/kg.

• The leachability and/or mobility of the metals from the slag were also evaluated using neutral salt solutions. Particularly high levels of Pb were determined to be leachable and/or mobilized from neutral salt solutions with higher levels of leachable Pb in the interior (non-weathered) samples compared with the exterior layer of the slag boulders. This finding is consistent with a conclusion that contaminants within the slag are leachable and therefore able to be released into the environment under normal conditions at the site.

• Soil (*i.e.,* beach sediments) and pore water collected along the intertidal zone adjacent to the seawall had high metal concentrations consistent with the release of metals from the slag. Soils along the entire length of the intertidal zone adjacent to the seawall are characterized as having a

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high spatial variability, with a wide range of concentrations, particularly for Pb, Sb, As and Cu. Pore water was analyzed for dissolved metals and total metals. High concentrations of total Pb, manganese (Mn), As and Sb were measured in the unfiltered samples. In addition, high concentrations of dissolved Mn, Pb As, and Sb were measured for several of the filtered samples. The wide variation of contaminant concentrations in the soils and pore water is consistent with the influence of Site characteristics. The finding of elevated pore water metal concentrations is of particular importance as this supports a conclusion that Site contaminants are being released into the environment.

• Biomonitoring techniques were utilized to assessing contaminant release and transport. These techniques are particularly useful in locations with periodic or sporadic contaminant releases. Utilizing the principles of biomonitoring, biota sampling focused on the predominant organisms that were residing or utilizing the intertidal and subtidal zones at this site to determine which organisms would accumulate contaminants released from the seawall. The organisms collected from the intertidal zone included two mollusks (ribbed mussels [*Geukensia demissa*] and long neck or steamer clams [*Mya arenaria*]), macroalgae (*Ulva*), and foraging fish (killifish). In addition, hard shell clams (*Mercenaria mercenaria*) were collected in the subtidal zone. *Ulva* had the highest metal accumulations for Pb, Mn, As, chromium (Cr) and nickel (Ni). Of the three mollusks, juvenile *Mya* clams accumulated the highest concentrations of Pb and Cu. All three mollusks accumulated comparable concentrations of As and silver (Ag). The biomonitoring data are consistent with a conclusion that Site contaminants are being released into the environment and are being biologically accumulated. The biota data also support a conclusion that the contaminants are being transported away from the source material; this conclusion is supported by the accumulation of contaminants in biota not residing immediately adjacent to the slag material.

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1.0 INTRODUCTION

The Raritan Bay Slag site (the Site), located in Old Bridge Township and the Borough of Sayreville, New Jersey (NJ), is approximately 1.5 miles in length and consists of the waterfront area between Margaret's Creek and the area just beyond the western jetty at the Cheesequake Creek Inlet. The Site consists of a sea wall that extends for approximately 2,500 feet along the Old Bridge Waterfront Park adjacent to Bayview Drive in Laurence Harbor, public beach areas, three jetties, the Cheesequake Creek Inlet western jetty that extends for about 800 feet from the mouth of the Cheesequake Creek into Raritan Bay and the waterfront area west of the jetty (Figure 1).

In September 1972, the New Jersey Department of Environmental Protection (NJDEP) was advised by a local environmental commission member that lead-bearing waste material was being deposited along the Laurence Harbor beachfront. The material was reported to be non-recoverable, low-yield metallic waste from a blast furnace and blast furnace rubble. The slag was deposited at the beachfront in the late 1960s and early 1970s, mostly in the form of blast furnace pot bottoms, in an area that had sustained significant beach erosion and damage due to a series of storms in the 1960s. Demolition debris in the form of concrete and a variety of bricks, including fire bricks, was also placed along the beachfront. A portion of the seawall also contains large riprap believed to have been placed over the slag when the grassed and paved portion of the park was developed.

The western jetty at Cheesequake Creek Inlet has been in existence since the United States (U.S.) Army Corps of Engineers constructed it in the late nineteenth century. The slag was reportedly placed on the jetty during the same general time period as the construction of the seawall. The entire jetty is covered with slag that is similar in appearance to that which is present on the seawall. The waste material and slag was used to supplement the jetty and was used as a fill and stabilizing material for the seawall. Metal contaminants associated with the slag and associated waste material include antimony (Sb), arsenic (As), copper (Cu), lead (Pb), manganese (Mn), nickel (Ni), zinc (Zn), and tin (Sn).

Under this work assignment (WA), the U.S. Environmental Protection Agency (EPA)/Emergency Response Team (ERT) requested Response Engineering and Analytical Contract (REAC) personnel to perform both chemical and biological assessments that are presented as separate reports. The biological assessment evaluates the risk/impact of the metals being released from the slag on the biological communities associated with the intertidal zone adjacent to the sea wall (EPA/ERT/REAC 2009). The objectives of this chemical assessment report include:

- Characterization of the metal contaminants associated with the slag and waste material used for the construction of the sea wall and Cheesequake Creek Inlet Western Jetty;
- Evaluation of the leachability and mobility of metals from the slag and associated waste material;
- Assessment of contaminant release through biomonitoring techniques;
- Evaluation of the fate and transport of the metals in environmental media including soils (*i.e.*, beach sediments), pore water and biota of the intertidal zone adjacent to the sea wall;
- Collection of data relevant to human health and ecological risk assessments.

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2.0 SITE SETTING AND DESCRIPTION

The Site is bordered to the south, east, and west by residential properties and State Highway 35, and to the north by Raritan Bay. The Site extends for approximately 1.5 miles and includes the Old Bridge Waterfront Park, public beaches, three jetties, the Cheesequake Creek Inlet western jetty and the waterfront area west of the jetty (Figures 1, 2 and 3). The Old Bridge Waterfront Park, consisting of walking paths, gazebo and public parking area, is protected by a seawall, which is constructed with layers of slag and fill. Slag and fragments of slag are scattered along the entire length of the beach area between the seawall and cordgrass (*Spartina alterniflora*) beds (Figure 4). Figure 5 depicts the slag at the top of the seawall during high tide. Figures 6 and 7 depict the Cheesequake Creek Inlet western jetty at high tide when the water has risen to close to the top of the jetty and Figures 8 and 9 depict an assortment of slag used for constructing the jetty. Figure 10 shows the waterfront area just west of the jetty with slag and fragments of slag scattered along the waterfront.

Intertidal Zone Along Seawall

The intertidal zone adjacent to the seawall (Figures 1 and 2) consists of an open stretch of beach with slag and slag debris that extends for 20 to 30 feet before reaching the *Spartina* beds. Figure 4 depicts the area along the seawall within the intertidal zone at low tide with the *Spartina* beds situated adjacent to the seawall. The *Spartina* beds (Figure 11) extend for 10 to 15 feet within the mid to high tide range of the intertidal zone along the entire length of the seawall. The intertidal zone immediately beyond the *Spartina* beds primarily consists of open sand beach, cobble stones to medium sized rocks and randomly scattered slag. The green macroalgae (*Ulva* sp) was attached to the bottom substrate or to the cobble stones or rocks within this area that extended from the mid tidal level to beyond the low tidal level. It was noted that the *Ulva* did not colonize or attach to the slag that was scattered in this area. The *Ulva* was prominent but was not growing profusely within this intertidal zone.

Invertebrates that were prevalent in the intertidal zone either within or in proximity of the *Spartina* beds were limited to two species of mollusks: ribbed mussel (*Geukensia demissa*) (Figure 12) and long neck or steamer clam (*Mya arenaria*) (Figure 13). A dense colony of ribbed mussels was situated within the *Spartina* beds buried just below the surface of the sediments with a portion of the bivalve shell slightly extending above the surface of the sediments, allowing for the siphon to be extended into the water column for filtering. Most of the *Mya* clams were completely buried in the sediments from just below the surface to depths of six to eight inches. The hard shell clam (*Mercenaria mercenaria*) was found inhabiting the subtidal zone just beyond the intertidal zone. The hard shell clams were buried in the sediment at just below the surface. The biological assessment report for this WA provides an evaluation of the exposure of the organisms to metals associated with the slag boulders in this intertidal zone (EPA/ERT/REAC 2009).

3.0 SAMPLING DESIGN AND METHODS

The sampling design focused upon two primary objectives. One objective was to collect a representative assortment of waste rock/slag samples to characterize the metals associated with and leaching from the slag. Slag samples were collected along the sea wall, along the Cheesquake Creek Inlet western jetty and along the waterfront area west of the jetty. The slag samples were analyzed for total metals and for identification of the dominant metal species. In addition, the mobility and/or leaching potential of the metals associated with the slag were assessed based on Toxicity Characteristic Leaching Procedure (TCLP) methods and use of neutral salt solution to

simulate seawater. This evaluation also included a characterization of exterior and interior slag samples.

The second objective of the sampling design was to document the release of contaminants from source areas and assess the fate and transport of the metals leaching from the slag and associated waste material. This second objective was met by a biomonitoring approach, utilizing both chemical analyses of abiotic media (soil and pore water) and evaluation of the contaminant uptake by the biota inhabiting or utilizing the intertidal and subtidal zones along the seawall. The criteria for the selection of target biomonitoring species were taken from Boening 1999; Butler 1971; Phillips 1977; and Phillips 1978, and are as follows:

- The organisms can integrate exposure over time;
- The organisms feeding strategy and/or other behavior characteristics establish an exposure pathway consistent with environmental chemistry of the contaminant of interest;
- The organism can concentrate contaminants and, therefore allow the evaluation of contaminants that are present in the environment at or below the analytical detection limit;
- The organism accumulates the pollutant without being adversely affected, if possible;
- The organism is an important foraging food source for higher level biota;
- The organism is sedentary (sessile) in order to be representative of the area of collection;
- The organism is abundant in the study area;
- The organism is sufficiently long lived to allow the sampling of more than one year class, if possible;
- The organism is of reasonable size to provide adequate tissue for analyses and accurate weight measurement; and
- The organism is easy to collect/sample and hardy enough to survive in the laboratory, allowing depuration (clearing) before chemical analyses.

The organisms chosen for the biomonitoring sampling were selected in an attempt to meet as many of the above criteria as possible given the species that are actually present at the Raritan Bay Slag Site. One of the primary considerations was the ability to bioaccumulate metals being released from the slag. In addition, there was consideration as to whether animals and plants at the site could potentially be consumed by human or ecological receptors (to increase the utility of the data generated). Based on the field reconnaissance of the sampling area and the organism selection criteria above, several target species were identified for sampling, including mollusks (ribbed mussels, long neck clam and hard shell clam), polychaetes, macroalge (*Ulva*) and foraging fish (killifish).

Mollusks or bivalves are known to be effective biomonitors of metal contaminants meeting many of the criteria for an ideal biomonitoring organism; however, no one particular species is universally suitable. When possible and practical it is advisable to initiate a biomonitoring assessment using several species representing different exposure pathways (Boening 1999). The three prominent bivalves (ribbed mussel, long neck clam and hard shell clam) at this Site represent different feeding and/or habitat characteristics.

Ulva species have demonstrated their capability as biomonitors of metal contamination including Cu, Pb, Mn, Ni and Zn (Besada *etal*. 2009, Villares *etal*. 2005, 2001, 2002, Ho 1990). Both the laminar structure of this macroalgae, providing a high surface area to volume ratio, and its

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capacity to grow in contaminated areas increases its potential as a useful biomonitor.

Killifish (*Fundulus* sp.) were the predominant foraging fish utilizing the intertidal zone at the Site. In addition, killifish are known to have a limited seasonal home range (Lotrich 1975). The killifish continuously move in and out of this intertidal zone with the tide and could potentially be exposed to the metals associated with the slag via surface water and foraging.

Polychaetes, residing within the interstitial sediments of this intertidal zone, would be in direct contact with the sediments and pore water that could be contaminated with metals associated with the slag. However, the population density of the polycheate community within this intertidal zone was too small for effective sampling during the site investigation. Local residents were observed collecting worms to be used for bait along the beach area just east of the sea wall. Numerous worms were easily collected by the local residents with the use of a trowel, with the largest worms ranging in size up to several inches in length. No evidence of these same type of worms were found along the seawall.

Soil and pore water sampling was co-located with the biota sampling, particularly for the ribbed mussels and Mya clams, to integrate exposure from the environmental media at the same locations.

The site investigation activities occurred over four sampling days on September 10, 11, 19 and 22, 2008. Sampling and analytical methods are provided in the following sections.

3.1 Slag Sampling and Analytical Methods

Sampling of the slag was performed by identifying and selecting individual pieces of slag along the seawall, the Cheesequake Creek Inlet western jetty and at the waterfront area west of the jetty. A total of 17 pieces of slag was collected by chiseling off fragments from the slag using a cole chisel and hammer.

Appendix C provides the photographs of the slag and samples. Figures C-1 to C-8 show the five slag samples originating from the seawall, identified as samples SW-1 through SW-5. Figures C-9 to C-20 show the 10 slag originating from the jetty from which samples were chiseled. These samples are designated as Jetty 1, 2A, 2B, 3A, 3B, 4, 5, 6, 7A and 7B. Figures C-21 and C-22 show the slag along the waterfront just west of the jetty from which samples were collected, designated as West Jetty 1 and 2.

Six slag samples from the jetty were collected by chiseling off just the exterior crust from the slag (Jetty 2A, 3A and 7A) and then chiseling off an interior sample below the crust (Jetty 2B, 3B and 7B). All of the remaining slag samples are whole samples that consist of exterior and interior layers of the slag.

All slag samples were pulverized and homogenized to a powder in the laboratory using a puck mill. The pulverized slag samples were analyzed for total metal concentrations of As, Cu, Pb, Sb, Sn and Zn by Inductively Coupled Plasma – Atomic Emission Spectrometry (ICP-AES) following acid digestion. X-ray diffraction (XRD) was used for metal speciation determinations. In addition, the potential leachability or mobility of the metals from the 17 slag samples was evaluated based on exposure to acidic conditions as defined by the Toxicity Characteristic Leaching Procedure (TCLP) and by exposure to a neutral (weak) salt solution (0.01 molar [M] calcium chloride solution). Appendix A provides the analytical report and the standard operating procedures (SOPs).

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Ten soil samples (*i.e.,* beach sediments) collected by Weston Solutions, Inc. adjacent to slag were analyzed for total metals by ICP-AES and for metal speciation by XRD. Five samples were collected along the intertidal zone adjacent to the seawall and five samples were collected along or near the Cheesequake Creek Inlet western jetty (Weston Solutions 2009).

3.2 Soil Sampling and Analytical Methods

A total of 11 co-located soil (*i.e*., beach sediment) samples were collected at the ribbed mussel and *Mya* clam collection points (Figure 2). The soil samples were collected after the ribbed mussels and *Mya* clams were collected to avoid disturbing the biota. Soil samples were collected with a trowel and placed into 8-ounce (oz) glass jars. Samples were shipped to the subcontract laboratory and were analyzed for target analyte list (TAL) metals and Sn.

3.3 Pore Water Sampling and Analytical Methods

Pore water samples were collected by inserting a glass pipette into the soil at a depth of 1.5 to 2 inches below the surface. The end of the pipette that was inserted into the soil was covered with nylon screen to prevent the entrainment of soil. The pore water was siphoned through the pipette using a portable peristaltic pump. Individual decontaminated pipettes and tubing were used for collecting each sample. Five pore water samples were collected. Each of the samples was collected within proximity of the *Mya* clam collection points (Figure 2). The pore water was collected when the tide water had receded to avoid collection of surface water. One half of each sample volume was filtered by passing the water through a 0.45 micron (µm) filter and preserved to a pH of less than (<) 2.0 standard units with nitric acid. The other half of each sample was not filtered and preserved to pH < 2.0. Pore water samples were shipped to the subcontract laboratory and were analyzed for TAL metals and Sn as total metals and filtered dissolved metals.

3.4 Killifish (*Fundulus* sp.) Sampling and Analytical Methods

Five composite samples of killifish each consisting of eight individual fish were collected along the seawall during mid-tide using a seine net. Figure 2 presents the sampling area where the seining occurred. The killifish were placed into 2.5-gallon pails containing aerated seawater and transported back to the ERT/REAC Biological Laboratory for a depuration period of 24 hours. Following the depuration period, each composite sample was weighed, placed into glass jars and frozen. Samples were shipped to the subcontract laboratory, homogenized and analyzed for target analyte list (TAL) metals, Sn and percent (%) solids.

3.5 Ribbed Mussel (*Geukensia demissa*) Sampling and Analytical Methods

Ribbed mussels were collected at six areas along the seawall at mid-tide. Figure 2 presents the six sampling locations designated as RM-1 to RM-6. The ribbed mussels were found to be prevalent amongst the *Spartina* (marsh grass) beds that are approximately 40 to 60 feet from the seawall. The ribbed mussels, most of which were seen projecting from the sediment, were collected by hand and ranged in size from 3.8 to 8.0 centimeters (cm). Eight to twelve ribbed mussels were collected at each sampling location to produce six composite samples, placed into large glass jars containing Rartian

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Bay water, aerated and brought back to the ERT/REAC Biological Laboratory for a depuration period of 24 hours. Following the depuration period, each composite sample was weighed, placed into a 16 ounce (oz). glass jar and frozen. The tissue was removed from each bivalve shell while frozen and the composite sample of the tissue was weighed. Tissue samples were shipped frozen to the subcontract laboratory, homogenized and analyzed for TAL metals, Sn and % solids.

3.6 Long Neck Clam (*Mya arenaria*) Sampling and Analytical Methods

Mya clams were collected at five areas along the seawall at mid-tide within or near the *Spartina* beds. Figure 2 presents the five sampling locations (*Mya* 1 to *Mya* 5). The *Mya* clams were either observed partially buried in the sediment and collected by hand or were collected using a clam rake. The clams ranged in size from 1 to 4 cm with the number of individual clams in each composite sample ranging from 5 clams for *Mya*-3 to 106 clams for *Mya*-2. The clams were transported back to the ERT/REAC Biological Laboratory alive, placed into large glass flasks with Raritan Bay water and aerated for a depuration period of 24 hours. Following the depuration period, each composite sample was weighed, placed into a 16 oz. glass jar and frozen. The tissue from each clam was removed while frozen and the composite sample of tissue was weighed. Samples were shipped frozen to the subcontract laboratory, homogenized and analyzed for TAL metals, Sn and % solids.

3.7 Hard Shell Clam (*Mercenaria mercenaria*) Sampling and Analytical Methods

Mercenaria were collected using a clam rake at a water depth of 3.5 to 4 feet at mid-level tide just offshore of the sea wall. Figure 2 presents the approximate area from which the clams were collected. After numerous hauls with the clam rake, a total of 10 clams were collected at three different size ranges (2.0 inches, 2.5 inches and 3.5 inches). The clams were subdivided into three composite samples based on the three size ranges. The clams were transported back to the ERT/REAC Biological Laboratory alive, placed into large glass flasks with Raritan Bay water and aerated for a depuration period of 24 hours. Following the depuration period, each composite sample was weighed, placed into a glass jar and frozen. The tissue from each clam was removed while frozen and the composite sample of the tissue was weighed. Tissue samples were shipped frozen to the subcontract laboratory, homogenized and analyzed for TAL metals, Sn and % solids.

3.8 Polychaete Sampling

Sampling for polychaete worms was performed by collecting sediment at the low to mid-tide level with a clam rake, transferring the sediment onto a sieve and washing the sediment through the sieve to separate the polychaetes from the sediment. Collections were attempted at depths from just below the surface to a depth of approximately 10 inches. However, only a few small polychaetes (<1 to 2 inches in size) were collected after sieving numerous sediment samples. This amounted to no more than 2.1 grams (g) wet weight, providing an insufficient volume of biomass to meet the data quality objectives

3.9 Sea Lettuce (*Ulva*) Sampling and Analytical Methods

Ulva was prevalent attached to bottom substrate (mostly attached to large stones and rocks) just beyond the *Spartina* beds at the mid-tide level. It was noted that attached *Ulva*

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was missing or sparse on the waste rock that was lying in these areas. Figure 2 presents the five sampling locations where the *Ulva* was collected and composited. Each of the composite samples was collected by hand, placed into a ziplock bag and brought back to the ERT/REAC Biological Laboratory. The *Ulva* was transferred to a sieve to be washed with distilled water, then blotted dry, transferred to sampling jars and frozen. Samples were shipped to the subcontract laboratory, homogenized and analyzed for TAL metals, Sn and % solids.

4.0 ANALYTICAL RESULTS

Appendix A provides the analytical report for the characterization of the slag. Section 4.1 provides an overview of the results. Appendix B provides the analytical report for the soil, pore water and biota. Sections 4.1 to 4.6 summarize the results.

4.1 Characterization of Slag and Soil Samples

A total of 17 slag samples were collected from the seawall, Cheesequake Creek Inlet western jetty and the waterfront area west of the jetty. Appendix C provides the photographs of the slag samples and Section 3.1 describes the samples collected.

Each of these 17 slag samples was analyzed for total elemental concentration for the primary metals of interest (As, Cu, Pb, Sb, Sn and Zn) along with the identification of the dominant mineral or chemical species using XRD procedures. In addition, two leachability tests assessing the mobility of the metals from the slag were performed. One test, TCLP, evaluated leachability under acidic conditions. The other test evaluated the leachability of metals from the slag when exposed to a neutral salt solution. Appendix A provides the analytical report. A summary of the results are provided below.

Ten soil samples collected by Weston Solutions, Inc. were also analyzed for total metal concentrations along with the identification of the dominant mineral or chemical species. Five of these samples were collected along the seawall within the intertidal zone and five samples were collected along or near the Cheesequake Creek Inlet western jetty (Weston Solutions 2009).

Total Metal Concentrations

The slag samples are characterized as highly heterogenous with a wide variation in elevated metal concentrations among the samples (Table 1a). Arsenic ranged from 8 mg/kg for Jetty 1 to 15,200 mg/kg for West Jetty-1. One particularly high concentration (445,000 mg/kg or 44.5%) of Cu was found in sample SW-2. Copper concentrations ranged from 101 mg/kg (Jetty 1) to 18,200 mg/kg (SW-3) for the remaining slag samples. With the exception of two samples (SW-2 and Jetty-1), the slag samples had Pb concentrations greater than 10,000 mg/kg, ranging from 12,900 mg/kg for West Jetty-2 to 131,000 mg/kg for Jetty-5. Antimony concentrations ranged from 31 mg/kg for Jetty-1 to 71,300 mg/kg for SW-1 and Sn ranged from 25 mg/kg for SW-2 to 11,400 mg/kg for Jetty-7A. Zinc concentrations ranged from 49 mg/kg for SW-2 to 13,400 mg/kg for SW-3 (Table 1a).

Table 2a presents the results for the ten soil samples collected adjacent to slag. Three of the five soil samples along the seawall had Pb concentrations above 1,000 mg/kg, ranging from 1,130 mg/kg to 2,580 mg/kg. The highest Pb concentrations (maximum

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concentration of 173,000 mg/kg) were from samples collected along or near the Cheesequake Creek Inlet western jetty. Additionally, the five soil samples collected along or near the Cheesequake Creek Inlet western jetty had elevated concentrations of As, Cu, Pb, Sb, Sn and Zn that exceeded 1,000 mg/kg (Table 2a).

Compound Speciation of Metals (XRD Analyses)

The XRD analyses performed on the slag and soil samples identified the crystal form of the dominant compound or species based on an initial phase identification.

Table 1b presents the dominant species identified for the slag samples. In many of the slag samples, there is a strong correlation between the total metal concentrations (Table 1a) and the dominant compounds identified by XRD (Table 1b). Iron (Fe) species and silicate (SiO_2) species were identified as dominant species for most of the samples and also various Pb, Cu, As and Sn species were also identified as dominant species. The dominant Pb species identified for a number of the slag samples included elemental Pb, lead carbonate ($PbCO_3$), lead zirconium oxide ($PbZrO_3$), lead sulfate ($PbSO_4$), and lead oxide (PbO). Different Pb species were identified in exterior versus interior layers of three slag boulders (*i.e.*, samples Jetty 2A, 2B, 3A, 3B, 7A and 7B). The interior samples contained lead carbonate ($PbCO_3$) as the dominant species, whereas the dominant species identified for the exterior samples included elemental Pb and $PbZrO_3$.

In Sample SW-2 (Cu concentration of 445,000 mg/kg) cuprite (Cu_2O) was the dominant species. Sample West Jetty 1 (As concentration of 15,200 mg/kg) contained arsenic copper sulfide (AsCuS) as a dominant species (Tables 1a and 1b)

Table 2b presents the dominant species identified for the soil samples. The four samples collected near the Cheesequake Creek Inlet western jetty with the highest Pb concentrations (*i.e.*, samples 48, 50, 51 and 52 collected by Weston Solutions, Inc.) contained several Pb species including $PbCO_3$, lead sulfide (PbS), lead hydroxide chloride (Pb(OH)Cl), lanarkite (Pb_2OSO_4), laurionite (PbOHCl) and lead sulfate ($PbSO_4$).

Toxicity Characteristic Leaching Procedure (TCLP)

The TCLP procedure was employed to determine the mobility of the metal contaminants from the slag under acidic conditions. The primary objective of the TCLP analysis is to simulate landfill conditions to assess if, over time, water or other liquids will react with the waste material or slag to mobilize contaminants and thus pose public health or environmental risk. The TCLP results are reported as the concentration in the aqueous phase as milligrams per liter (mg/L) (Table 3a) and as total elemental solids leaching from the slag as mg/kg dry weight (Table 3b).

Regulatory limits established under the Resource Conservation and Recovery Act (RCRA) (under Code of Federal Regulations [CFR] 40 CFR 261.24) are defined for both As and Pb as 5.0 mg/L. All of the 17 slag samples far exceed the 5.0 mg/L level for Pb with leachable Pb levels ranging from 17 mg/L to 3,140 mg/L (Table 3a). RCRA does not establish regulatory limits for the other metals analyzed. Arsenic levels in the leachate did not exceed the regulatory limit.

The TCLP analyses demonstrated that each of the 17 waste rock/slag samples leached Pb at concentrations ranging from 349 mg/kg to 62,700 mg/kg. Only two of the waste rock

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samples (SW-2 and Jetty-1) had concentrations of leachable Pb below 1,000 mg/kg; five waste rock samples exceeded 1,000 mg/kg and the remaining 10 samples exceeded 10,000 mg/kg (Table 3b). Slag sample SW-2 which contained the highest Cu concentration (445,000 mg/kg) had a leachable Cu concentration of 16,900 mg/kg (Table 3a). The slag samples did not leach appreciable quantities of the other metals with the exception of sample SW-5 which leached 1,005 mg/kg of Zn.

Leachability of Metals from Neutral Salt Exposure

Neutral salt extraction procedure was used to simulate the potential leachability and/or mobility of the metal contaminants from the slag from exposure to seawater.

Lead was determined to be leachable under these conditions (Table 3c). It was also demonstrated that the interior slag samples (samples Jetty 2B, 3B and 7B) had considerably higher levels of leachable Pb when compared with the leachable Pb levels from the exterior slag samples (samples Jetty 2A, 3A, and 7A). The exterior samples, essentially the outer crust of the slag, yielded leachable Pb levels of 8.3 mg/kg, 1.3 mg/kg and 10.1 mg/kg for samples Jetty 2A, 3A, and 7A, respectively. In comparison, the interior samples, that have not been previously exposed to Raritan Bay water, leached Pb at significantly higher levels (610 mg/kg, 870 mg/kg and 70.9 mg/kg for samples Jetty 2B, 3B and 7B, respectively) (Table 3c). As discussed above, the XRD characterization demonstrated differences in Pb species between the interior and exterior samples. The dominant Pb species for two of the three interior samples was identified as $PbCO_3$, which would have a greater affinity for leaching than the dominant Pb species for the exterior samples (elemental Pb and $PbZrO_3$).

Two other slag samples (samples Jetty 5 and Jetty 6) that are composite samples containing both interior and exterior layers also had high levels of leachable Pb with concentrations of 505 mg/kg and 72.2 mg/kg, respectively. Arsenic, Cu, Sb and Sn did not leach under the neutral salt water extraction. Zinc was leachable for a few of the slag samples with the highest leachable Zn level (126 mg/kg) for the Jetty-5 slag sample.

4.2 Pore Water Results

Five pore water samples were collected in the intertidal zone within proximity of the collection sites for the *Mya* (long neck shell) clams. Table 4 summarizes the results (as ug/L) for both the total metals in unfiltered and filtered samples.

Lead levels in the filtered and unfiltered pore water samples differed. Two particularly high Pb values (1,500 ug/L and 2,400 ug/L) were determined for the unfiltered pore water samples. Correspondingly, dissolved Pb values ranged from < 2.0 ug/L to a maximum value of 170 ug/L. The maximum Sb concentrations in the two unfiltered pore water samples were 56 ug/L and 270 ug/L and the maximum dissolved Sb concentrations were 19 ug/L and 130 ug/L, respectively. Dissolved As levels ranged from 11 ug/L to 86 ug/L and total As levels ranged from 19 ug/L to 230 ug/L.

Total and dissolved Mn levels were quite similar, ranging from 530 ug/L to 2,300 ug/L, indicating that Mn in the pore water was essentially available as dissolved metal. Copper and Zn concentrations were mostly below detection limits for both the total and dissolved metals.

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A comparison of the metal concentrations in the surface water collected along the intertidal zone adjacent to the seawall by Weston Solutions, Inc (Weston Solutions 2009) during the same time period as this study reveals that certain metals were more concentrated in the pore water than surface water. For example, Mn levels in the surface water ranged between 100 ug/L to 200 ug/L and As ranged between < 10 ug/L to 11 ug/L as dissolved metal. Dissolved Pb levels in the pore water were comparable to the surface water levels along the seawall, ranging from 11.9 ug/L to 152 ug/L (Figure 5 in Weston Solutions 2009).

4.3 Soil Results

Eleven soil (*i.e.,* beach sediment) samples were collected within proximity of the collection sites for the ribbed mussels and the *Mya* clams (Table 4). In addition, 18 soil samples were collected along the seawall during the same time period as this study (September 2008) by Weston Solutions, Inc. (2009) (Table 5). The sampling locations of these 18 samples are shown in Figure 3.

The metal concentrations (Tables 4 and 5) in the soil samples along the seawall were highly heterogenous, analogous to what would be expected within a contaminated landfill site. Lead levels particularly stand out with concentrations ranging from 12 mg/kg to 5,860 mg/kg (Tables 4 and 5). Likewise, Sb ranges from 0.2 mg/kg to 232 mg/kg, As ranges from 2 mg/kg to 29 mg/kg and Cu ranges from 4.4 mg/kg to 248 mg/kg.

4.4 Mollusk Bioaccumulation Results

Five composite samples of the long neck clams (*Mya*), six composite samples of the ribbed mussels and three composite samples of the hard shell clams were analyzed for metals. Analyses were only performed on the soft tissue. The bivalve shells of the mollusks were discarded. Only juvenile *Mya* clams, less than one year old, were collected from the intertidal zone along the seawall. No adult *Mya* clams were found. Both the ribbed mussel and the hard shell clam composite samples were composed entirely of adult clams that were greater than two to four years old.

Tissue concentrations of Pb and Cu were highest in the juvenile *Mya* clams compared with either the adult ribbed mussels or the adult hard shell clams (Table 4). Lead levels for the *Mya* clams ranged from 3.4 mg/kg to 17 mg/kg (mean of 13.1 mg/kg) whereas ribbed mussels had Pb levels ranging from 3.0 mg/kg to 8.6 mg/kg (mean of 5.0 mg/kg) and the hard shell clam had Pb ranging from 1.7 mg/kg to 3.1 mg/kg (mean of 2.6 mg/kg). Copper levels for the *Mya* clams ranged from 8.5 mg/kg to 31 mg/kg (mean of 21.3 mg/kg) whereas Cu levels in ribbed mussels ranged from 10.4 mg/kg to 16 mg/kg (mean of 13.5 mg/kg) and the Cu levels in the hard shell clams ranged from 11 mg/kg to 14.3 mg/g (mean of 13.1 mg/kg).

Manganese levels were significantly higher in the *Mya* clams (4.3 mg/kg to 130 mg/kg) compared with the ribbed mussels (4.4 mg/kg to 7.1 mg/kg), but were lower than Mn levels in the hard shell clams (52 mg/kg to 200 mg/kg). Arsenic and Ag levels were comparable among all three mollusks with levels ranging from 1.4 mg/kg to 9.8 mg/kg for As and 0.15 mg/kg to 2.1 mg/kg for Ag. Zinc levels were higher in the *Mya* clams and hard shell clams than the ribbed mussels, but within the same range for the hard shell clams (Table 4).

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4.5 *Ulva* Bioaccumulation Results

Five composite samples of *Ulva* collected within the intertidal zone were analyzed for metal concentrations. The *Ulva* bioconcentrated As, Cr, Pb, Mn and Ni at higher levels than the other biota (Table 4). Lead, Mn and Ni concentrations in the *Ulva* are of particular note with concentrations of 24 mg/kg to 80 mg/kg for Pb, 120 mg/kg to 280 mg/kg for Mn and 2.6 mg/kg to 4.7 mg/kg for Ni. Arsenic concentrations in the *Ulva* ranged from 4.7 mg/kg to 15 mg/kg and Cr ranged from 2.6 mg/kg to 5.0 mg/kg.

4.6 Foraging Fish (*Fundulus* sp.) Bioaccumulation Results

Five composite samples of killifish (*Fundulus* sp.) were analyzed for metals. Killifish exposure to the metal contaminants within the intertidal zone would primarily be the result of surface water exposure and foraging as the fish move in and out of the area with the tide. Data was collected for only one sampling area. Arsenic, Cu, Cr, Pb and Ni tissue concentrations in the killifish tissue were lower than measured for the other biota (Table 4).

5.0 SUMMARY AND CONCLUSIONS

The objectives of the chemical assessment are:

- Characterization of the metal contaminants associated with the slag and waste material used for the construction of the sea wall and Cheesequake Creek Inlet western jetty;
- Evaluation of the leachability and mobility of metals from the slag and associated waste material under acidic and simulated salt water conditions;
- Assessment of contaminant release through biomonitoring techniques;
- Evaluation of the fate and transport of the metals to environmental media including the soil, pore water and biota of the intertidal zone adjacent to the seawall;
- Collection of data relevant to human health and ecological risk assessments.

The slag originating from the seawall, the Cheesequake Creek Inlet western jetty and the waterfront area west of the jetty was characterized as being quite heterogeneous with a wide range of metal concentrations. Particularly high concentrations were measured for As, Cu, Pb, Sb, Sn and Zn (Table 1a). Lead concentrations exceeded 10,000 mg/kg for 15 of the 17 samples analyzed and exceeded 100,000 mg/kg for 5 of the 17 samples analyzed. Arsenic exceeded 1,000 mg/kg for 13 of the 17 samples analyzed with two of those samples exceeding 10,000 mg/kg. Copper exceeded 1,000 mg/kg for 14 of the 17 slag samples with five samples exceeding 10,000 mg/kg. The highest Cu concentration in the slag was determined at 445,000 mg/kg. Antimony exceeded 1,000 mg/kg for 12 of the 17 slag samples with seven samples exceeding 10,000 mg/kg. Tin exceeded 1,000 mg/kg for 14 of the 17 samples and Zn exceeded 1,000 mg/kg for 13 of the 17 samples (Table 1a). The total metal concentrations found within the slag material support a conclusion that the slag material present, at the Site, constitutes a contaminant source to the surrounding environment.

Compound speciation of the metals associated with the slag identified various Pb, Cu, As and Sn compounds as dominant species (Table 1b). Five different Pb species were identified as dominant species in the slag. Differences in Pb species between exterior and interior slag samples were identified. Analysis of the interior samples, slag that had not been previously exposed to weathering, identified lead carbonate ($PbCO_3$) as the dominant species for two of the three samples. The dominant species identified for the exterior samples were elemental Pb and $PbZrO_3$.

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The results of the speciation investigation of the slag material are consistent with a conclusion that the slag is weathering, which would release contamination from the source material.

Leachability and/or mobility of the metal contaminants from the slag were evaluated based on acidic (TCLP) procedures and neutral salt solution extraction. The TCLP protocol provides an assessment of metals potentially being released under exposure to acidic groundwater and/or rainwater conditions, and evaluates the acceptability of the slag for landfill disposal. The TCLP results are given as metal concentrations leached in mg/L to compare results with regulatory limits defined by RCRA and as metals leached in mg/kg dry weight. All 17 slag samples exceeded the 5.0 mg/L RCRA regulatory limit for Pb, with leachable Pb levels ranging from 17 mg/L to 3,140 mg/L. None of the samples exceeded the As regulatory level (Table 3a). The results of the TCLP procedures demonstrate that the slag material fails TCLP and is therefore a hazardous waste.

The TCLP analysis determined that all 17 slag samples leached and/or mobilized Pb at concentrations ranging from 349 mg/kg to 62,700 mg/kg (Table 3b). Leachable Pb exceeded 1,000 mg/kg for 15 of the 17 samples with 10 samples having leachable Pb concentrations exceeding 10,000 mg/kg. The TCLP evaluation also determined that Cu had leached at a concentration of 16,900 mg/kg for the slag that contained the maximum Cu concentration (445,000 mg/kg).

A simulation of the leachability of metals from the slag was also evaluated by exposing the slag to neutral salt solutions. Lead was determined to be leachable and/or mobile from the neutral salt solution exposures with higher levels of leachable Pb determined for the interior (non-weathered) samples compared with the exterior (outer crust) of the slag (Table 3c). The exterior samples had leachable Pb values ranging from 8.3 mg/kg to 10.1 mg/kg, compared to the interior samples with leachable Pb values ranging from 70.9 mg/kg to 870 mg/kg. Weathering of the slag would result in exposing the interior layers of the slag containing more soluble lead species like lead carbonate ($PbCO_3$). The results of the neutral salt extraction tests demonstrated that contaminants can be released from the slag material under environmental conditions which exist at the Site. In addition the results of these tests are consistent with a conclusion that there is continued weathering of the slag and contaminant release to the surrounding environment.

Soils (*i.e.,* beach sediments) along the entire length of the intertidal zone adjacent to the seawall were characterized by a wide range of concentrations, particularly for Pb, Sb, As and Cu. The wide variations of concentrations are not unexpected since wave action mixes sediments along the shoreline and the physical characteristics of the shoreline create microenvironments. The highest concentrations were 5,860 mg/kg for Pb, 232 mg/kg for Sb, 29 mg/kg for As and 248 mg/kg for Cu (Tables 4 and 5). These results are consistent with a physical and chemical release (weathering) of contaminants from the slag material.

Pore water was analyzed for dissolved metals and total metals. High concentrations of total and dissolved Pb, Mn, As and Sb were measured for the unfiltered and filtered samples (Table 4). The results of the pore water analyses are consistent with a conclusion of release of contaminants from the slag material.

Biomonitoring focused on those organisms residing or utilizing the intertidal zone at this Site that would best assess contaminant release from the seawall. The predominant organisms collected from the intertidal zone included two mollusks (ribbed mussels and juvenile *Mya* clams), the macroalgae (*Ulva*), and the foraging fish (killifish). One mollusk, the hard shell clam, collected within the subtidal zone just beyond the intertidal zone, was also evaluated for its potential to

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accumulate metals associated with the Site. In addition, the site investigation revealed that certain organisms that were expected to be present, such as the polychaetes, were essentially absent along the intertidal zone of the seawall. Adult *Mya* clams also were absent during the site investigation along the seawall. The risk to the intertidal fauna and flora at this Site is evaluated in the separate biological assessment report for this project (EPA/ERT/REAC 2009).

Ulva, the sea lettuce, demonstrated the greatest bioaccumulation of metals, particularly for Mn, Pb, As, Cr and Ni (Table 4). Lead had accumulated up to 80 mg/kg in the *Ulva*. The bioaccumulation of metals by Ulva would be predominately from exposure to metals in the surface water. The elevated Pb concentrations in the surface water collected from the intertidal zone (See Weston Solutions, Inc 2009) are consistent with the elevated levels of Pb found in the *Ulva*. In addition, the contaminants found with the *Ulva* are consistent with a conclusion of release of contaminants from the slag material.

The juvenile *Mya* clams (less than one year old) had the highest Pb and Cu accumulations compared with the adult ribbed mussels and the adult hard shell clams. Arsenic and Ag were accumulated at comparable concentrations among the three mollusks. Manganese and Zn levels were at the highest levels in the hard shell clam (Table 4). The contaminants found within the bivalves collected at the Site are consistent with a conclusion of release of contaminants from the slag material.

The overall conclusions drawn from the data presented in this report are that the slag and associated debris used for constructing the seawall and building up of the Cheesequake Creek Inlet western jetty provide a significant source of metals to the environment including As, Cu, Pb, Sb, Sn and Zn. Lead is the predominant metal being released. The speciation chemistry performed in conjunction with the leachability testing clearly show that metals, particularly Pb, are in forms that can be released into the environment under conditions which can exist at the Site. The actual release of metals at the site is supported by the findings of metals within the pore water, surface water and soil at the site and is also supported by the bioaccumulation of the Site-related metals by biota residing at the Site.

6.0 LITERATURE CITED

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Tables 1a and 1b: Total Metal Concentrations and Compound Speciation of Slag Samples
Raritan Bay Slag Site
Old Bridge Township, NJ

Table 1a: Total Metal Concentrations of Slag Samples

		356-0001	356-0002	356-0003	356-0004	356-0005	356-0062	356-0063	356-0064	366-0065	356-0066	356-0067	356-0068	356-0069	356-0070	356-0071	356-0072	356-0073
Sample ID		SW-1	SW-2	SW-3	SW-4	SW-5	Jetty 1	Jetty 2A	Jetty 2B	Jetty 3A	Jetty 3B	Jetty 4	Jetty 5	Jetty 6	Jetty 7A	Jetty 7B	W. Jetty 1	W. Jetty 2
Sample Type		Whole	Whole	Whole	Whole	Whole	Whole	Exterior	Interior	Exterior	Interior	Whole	Whole	Whole	Exterior	Interior	Whole	Whole
Arsenic (As)	mg/kg	9,900	21	2,760	8,390	1,520	8	3,830	4,680	11,340	8,680	91	1,990	6,570	1,630	1,620	15,200	800
Copper (Cu)	mg/kg	20,000	445,000	18,200	9,720	3,370	101	3,200	3,010	10,640	11,600	510	5,190	3,270	8,720	8,360	8,570	250
Lead (Pb)	mg/kg	71,000	675	52,600	79,900	39,600	889	120,000	85,200	82,900	73,300	17,400	131,000	56,000	111,000	116,000	125,000	12,900
Antimony (Sb	mg/kg	71,300	36	2,950	26,700	2,150	31	46,800	45,200	33,800	34,400	630	6,680	38,200	640	500	5,170	1,320
Tin (Sn)	mg/kg	4,600	25	4,540	9,030	1,830	31	9,580	8,600	7,900	7,730	9,600	7,490	3,000	11,400	10,770	6,640	346
Zinc (Zn)	mg/kg	683	49	13,500	2,750	8,730	1,060	970	1,080	2,570	2,720	9,630	4,520	2,020	9,790	9,650	4,710	385

Table 1b: Dominant Compound Species of Slag Samples Determined by X-ray Diffraction (XRD)

	356-0001	356-0002	356-0003	356-0004	356-0005	356-0062	356-0063	356-0064	366-0065	356-0066	356-0067	356-0068	356-0069	356-0070	356-0071	356-0072	356-0073
Sample ID	SW-1	SW-2	SW-3	SW-4	SW-5	Jetty 1	Jetty 2A	Jetty 2B	Jetty 3A	Jetty 3B	Jetty 4	Jetty 5	Jetty 6	Jetty 7A	Jetty 7B	W. Jetty 1	W. Jetty 2
Sample Type	Whole	Whole	Whole	Whole	Whole	Whole	Exterior	Interior	Exterior	Interior	Whole	Whole	Whole	Exterior	Interior	Whole	Whole
Chemical Formula and Phase ID	FeS - Iron Sulfide	Cu_2O-Cuprite	Fe0.985S- Iron Sulfide	FeS- Troilite 2H	FeS- Troilite 2H	SiO_2- Quartz	FeS- Troilite 2H	Ba_3InSbO_9- Ba Sb Indium Oxi	FeS- Iron Sulfide	FeS- Iron Sulfide	Fayalite Magnesian Manganoa	$Pb(SO_4)$- Lead Sulfate	$PbSO_4$- Anglesite	Fe0.985S- Iron Sulfide	Fe0.985S- Iron Sulfide	Fe0.985S- Iron Sulfide	SiO_2- Quartz
	FeS - Troilite-2H	SiO_2- Quartz low	FeS- Troilite 2H	SiO_2- Quartz	FeS- Iron Sulfide	SiO_2- Tridymite	Pb- Lead	FeS- Iron Sulfide	FeS- Troilite 2H	FeS- Troilite 2H	Iron Silicon Oxide	SiO_2- Quartz	$PbSO_4$- Anglesite	FeS- Iron Sulfide	FeS- Iron Sulfide	FeS- Iron Sulfide	$FeO(OH)$- Geothite
	Cobalt-Nickel-Tin	SiO_2- Cristobalite	FeO- Iron Oxide	FeS- Iron Sulfide	Fe.9712O- Wuestite	$Al_2Si_2O_{13}$- Mullite	Co_2Sn_2- Cobalt Tin	FeS- Troilite 2H	$PbZrO_3$- Lead Zirconium Oxide	FeOOH- Iron Hydroxide Oxide	YBO_3- YItrium Borate	$PbSO_4$- Anglesite	PbO- Litharge	FeS- Troilite 2H	$PbCO_3$- Cerussite	FeS- Troilite 2H	
	$CuCO_3$ - Copper Carbonate		Si- Silicon	Fayalite manganoan	FeO- Iron Oxide	Fe_2O_3- Hematite		Iron Cobalt Sulfide	$KMg_3(Si_4Al)O_{10}(OH)_2$- Phlogopite	Co_2Sn_2- Cobalt Tin	FeS- Iron Sulfide	Chromite	Fe_3O_4- Magnetite	Mg Zirconium Titanium Oxid	Titanomagnetite	ZnS- Zinc Sulfide	
	$FeSb_2$ - Seinajokite			Ni_6Y- Nickel YItrium	Si- Silicon	Iron Tin Oxide		$PbCO_3$- Cerussite	SiO_2- Silicon Oxide	$ZnSO_4$- Zinkosite	Zn- Zinc	FeS- Iron Sulfide	$NaKZrSi_3O_9(H_2O)_2$- Georgecha	SiO_2- Quartz	ZnS- Zinc Sulfide	AsCuS- Arsenic Copper Sulfide	
					CuCl- Nantokite	Iron Hydroxide Oxide								Magnetite		$KMg_3(Si_4Al)O_{10}(OH)_2$- Phlogopite	
						Bytownite								Pb- Lead			

mg/kg - milligrams per kilogram
SW - Sea wall
W. Jetty - Westside of Jetty

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Tables 2a and 2b: Total Metal Concentrations and Compound Speciation of Soil Samples
Raritan Bay Slag Site
Old Bridge Townnship, NJ

Table 2a: Total Metal Concentrations of Soil Samples

Sample ID		356-0006	356-0007	356-0008	356-0009	356-0010	356-0048	356-0049	356-0050	356-0051	356-0052
Arsenic (As)	mg/kg	86	43	36	3	9	1,022	122	943	1,980	3,060
Copper (Cu)	mg/kg	123	65	86	5	27	2,050	171	1,290	3,740	6,970
Lead (Pb)	mg/kg	2,580	1,130	2,120	36	96	60,200	2,690	77,200	173,000	147,000
Antimony (Sb	mg/kg	250	115	92	<5.0	10	3,440	176	4,500	17,600	9,900
Tin (Sn)	mg/kg	113	71	51	4	9	2,020	99	1,340	5,900	5,400
Zinc (Zn)	mg/kg	137	85	65	9	30	2,160	186	1,290	2,300	4,800

Table 2b: Dominant Compound Species of Soil Samples Determined by X-ray Diffraction (XRD)

Sample ID	356-0006	356-0007	356-0008	356-0009	356-0010	356-0048	356-0049	356-0050	356-0051	356-0052
Chemical Formula and Phase ID	SiO_2- Quartz low	SiO_2- Quartz	SiO_2- Quartz	SiO_2- Quartz	SiO_2- Quartz	SiO_2- Quartz	SiO_2- Quartz	SiO_2- Quartz	SiO_2- Quartz	SiO_2- Quartz
	$CaTiO(SiO_4)$- Titanite	$KAlSi_3O_8$- Microcline			Muscovite 2M1	Muscovite 2M2	$KAlSi_3O_8$- Microline	$PbCO_3$- Cerussite	Strontium Calcium Sulfide	$PbCO_3$- Cerussite
						$PbCO_3$- Cerussite	Microline, maximum	ZrO_2- Zirconium Oxide	PbS- Galena	$Pb(SO_4)$- Anglesite
								Barium Manganese Silic	Sodium Nickel Chromium Molybdenum Oxid	$Ag(NO_3)(Ag_6O_8)$- Silver Nitrate Oxide
									Pb_2OSO_4- Lanarkite	$CaMgSi_2O_6$- Diopside
									$PbCO_3$- Cerussite	FeS-Iron Sulfide
									AlLiSi- Aluminum Lithium Silicon	FeS-Iron Sulfide
									Pb(OH)Cl- Lead Hydroxide Chloride	$Pb(SO_4)$- Lead Sulfate
									PbOHCl- Laurionite	$ZrSiO_4$- Zircon

mg/kg - milligrams per kilogram
Samples 0006 to 0010 Collected along seawall by Weston Solutions, Inc.
Samples 0048 to 0052 collected from beach adjacent to drawbridge by Weston Solutions, Inc.

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Tables 3a, 3b and 3c: Leaching Assays using TCLP and Neutral Salt Procedures with Slag Boulders
Raritan Bay Slag Site
Old Bridge Township, NJ

Table 3a: TCLP Assay Results Based on Metals Leached (as mg/L) from Slag Samples

		356-0001	356-0002	356-0003	356-0004	356-0005	356-0062	356-0063	356-0064	356-0065	356-0066	356-0067	356-0068	356-0069	356-0070	356-0071	356-0072	356-0073
Sample ID		SW-1	SW-2	SW-3	SW-4	SW-5	Jetty 1	Jetty 2A	Jetty 2B	Jetty 3A	Jetty 3B	Jetty 4	Jetty 5	Jetty 6	Jetty 7A	Jetty 7B	W. Jetty 1	W. Jetty 2
Sample Type		Whole	Whole	Whole	Whole	Whole	Whole	Exterior	Interior	Exterior	Interior	Whole	Whole	Whole	Exterior	Interior	Whole	Whole
Arsenic (As)	mg/L	0.6	<0.02	0.10	3.6	0.08	<0.02	0.047	0.07	<0.02	0.15	0.17	0.08	0.18	<0.02	<0.02	<0.02	<0.02
Copper (Cu)	mg/L	<0.02	845	0.13	<0.02	<0.02	0.16	<0.02	<0.02	<0.02	0.25	<0.02	<0.02	0.06	<0.02	<0.02	<0.02	0.037
Lead (Pb)	mg/L	143	17	1,170	1,440	702	23	1,340	1,220	586	1,060	137	319	131	3,090	1,970	3,140	103
Antimony (Sb)	mg/L	0.7	0.17	0.07	0.6	0.09	0.16	0.6	0.45	0.06	0.42	0.9	0.6	10.1	<0.02	<0.02	0.05	<0.02
Tin (Sn)	mg/L	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Zinc (Zn)	mg/L	0.6	0.9	12	2.9	50	0.24	0.7	2.8	1.6	2.0	10	6	2.2	19	14	2.1	0.35

Table 3b: TCLP Assay Results Based on Metals Leached (as mg/kg dry weight) from Slag Samples

		356-0001	356-0002	356-0003	356-0004	356-0005	356-0062	356-0063	356-0064	356-0065	356-0066	356-0067	356-0068	356-0069	356-0070	356-0071	356-0072	356-0073
Sample ID		SW-1	SW-2	SW-3	SW-4	SW-5	Jetty 1	Jetty 2A	Jetty 2B	Jetty 3A	Jetty 3B	Jetty 4	Jetty 5	Jetty 6	Jetty 7A	Jetty 7B	W. Jetty 1	W. Jetty 2
Sample Type		Whole	Whole	Whole	Whole	Whole	Whole	Exterior	Interior	Exterior	Interior	Whole	Whole	Whole	Exterior	Interior	Whole	Whole
Arsenic (As)	mg/kg	11.6	<0.4	1.9	72.8	1.6	<0.4	0.9	1.5	<0.4	2.9	3.4	1.7	3.7	<0.4	<0.4	<0.4	<0.4
Copper (Cu)	mg/kg	<0.4	16,900	2.5	<0.4	<0.4	3.1	<0.4	<0.4	<0.4	4.9	<0.4	<0.4	1.1	<0.4	<0.4	<0.4	0.7
Lead (Pb)	mg/kg	2,860	349	23,300	28,750	14,000	464	26,800	24,400	11,700	21,190	2,740	6,380	2,610	61,800	39,500	62,700	2,050
Antimony (Sb)	mg/kg	15.0	3.5	1.4	11.4	1.8	3.1	12.7	9.0	1.2	8.5	17.8	11.1	10.1	<0.4	<0.4	0.9	<0.4
Tin (Sn)	mg/kg	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Zinc (Zn)	mg/kg	13	17	241	59	1,005	5	14	56	32	40	209	115	44	385	273	41	7

Table 3c: Neutral Salt Assay Results Based on Metals Leached (as mg/kg dry weight) from Slag Samples

		356-0001	356-0002	356-0003	356-0004	356-0005	356-0062	356-0063	356-0064	356-0065	356-0066	356-0067	356-0068	356-0069	356-0070	356-0071	356-0072	356-0073
Sample ID		SW-1	SW-2	SW-3	SW-4	SW-5	Jetty 1	Jetty 2A	Jetty 2B	Jetty 3A	Jetty 3B	Jetty 4	Jetty 5	Jetty 6	Jetty 7A	Jetty 7B	W. Jetty 1	W. Jetty 2
Sample Type		Whole	Whole	Whole	Whole	Whole	Whole	Exterior	Interior	Exterior	Interior	Whole	Whole	Whole	Exterior	Interior	Whole	Whole
As	mg/kg	<0.1	<0.1	<0.1	0.3	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.2	1.0	<0.1	<0.1	<0.1	<0.1
Cu	mg/kg	0.3	0.4	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Pb	mg/kg	0.2	<0.1	45.0	491	8.1	0.2	8.3	610	1.3	870	10.9	505	72.2	10.1	70.9	2.7	47.5
Sb	mg/kg	11.7	0.1	<0.1	0.161	<0.1	0.5	<0.1	<0.1	<0.1	<0.1	0.3	0.4	1.0	<0.1	<0.1	<0.1	<0.1
Sn	mg/kg	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Zn	mg/kg	<0.1	<0.1	9.6	8.1	2.8	<0.1	<0.1	2.13	<0.1	5.8	9.1	126	64.5	<0.1	23.5	<0.1	1.2

SW - Sea wall
W. Jetty - Westside of Jetty
mg/kg - milligrams per kilogram
mg/L - milligrams per Liter
TCLP - Toxicity Characteristic Leaching Procedure

Table 4. Analytical Results of Biota, Soil* and Pore Water Samples Collected Adjacent to Seawall
Raritan Bay Slag Site
Old Bridge Townnship, NJ

Sample Description	Sample Location	Units	Antimony (Sb)		Arsenic (As)		Copper (Cu)		Chromium (Cr)		Lead (Pb)		Manganese (Mn)		Nickel (Ni)		Silver (Ag)		Tin (Sn)		Zinc (Zn)	
			Concentration	Qualifier	Concentration	Qualifier	Concentration	Qualifier	Concentration	Qualifier	Concentration	Qualifier	Concentration	Qualifier	Concentration	Qualifier	Concentration	Qualifier	Concentration	Qualifier	Concentration	Qualifier
Pore Water	PW-A1 (Total/Unfiltered)	ug/L	4	U	20	U	80	U	12	U	8	U	840		9.6		4	U	400	U	40	U
	PW-B1 (Total/Unfiltered)	ug/L	2	U	19		40	U	7.6		10		540		6.9		2	U	200	U	20	U
	PW-C1 (Total/Unfiltered)	ug/L	56		71		40	U	9.8		1500		1800		10		2	U	200	U	27	
	PW-D1 (Total/Unfiltered)	ug/L	270		230		91		17		2400		1100		33		2	U	200	U	150	
	PW-E1 (Total/Unfiltered)	ug/L	9.7		39		40	U	7.9		160		2300		5.8		2	U	200	U	20	U
	PW-A2 (Filtered)	ug/L	2	U	11		40	U	6		4	U	840		7.3		2	U	200	U	20	U
	PW-B2 (Filtered)	ug/L	2	U	23		20	U	6.6		2	U	530		4.9		2	U	200	U	20	U
	PW-C2 (Filtered)	ug/L	19		41		20	U	6.6		2	U	1800		6.1		2	U	200	U	20	U
	PW-D2 (Filtered)	ug/L	130		86		40	U	7.1		170		1100		11		2	U	200	U	20	U
	PW-E2 (Filtered)	ug/L	4		29		20	U	6.4		2	U	2300		5.5		2	U	200	U	20	U
Soil* Samples	SS-RM1	mg/kg	0.22		5.6	J	4.4	J+	9		12		22	J	1.6	J+	0.11	U	11	UJ	25	
	SS-RM2	mg/kg	0.31		6.1	J	9.9	J+	9.5		16		44	J	3		0.095	U	9.5	UJ	31	
	SS-RM3	mg/kg	0.49		8.5	J	15		21		19		48	J	2.6		0.089	U	8.9	UJ	33	
	SS-RM4	mg/kg	1.5		6.9	J	11		7.7		94		28	J	2.3	J+	0.08		8	J	40	
	SS-RM5	mg/kg	6.1		13	J	22		18		660		260	J	5.8		0.19		18	J	57	
	SS-RM6	mg/kg	1.6		29	J	17		46		93		99	J	8.5		0.12		9.9	UJ	91	
	SS-MM1	mg/kg	1.1		9.4	J	13		15		47		29	J	5		0.13		8.7	J	68	
	SS-MM2	mg/kg	0.84		15	J	11		37		29		56	J	6.6		0.1	U	10	UJ	91	
	SS-MM3	mg/kg	1.2		5.4	J	31		14		83		19	J	2.9		1.1		14	UJ	53	
	SS-MM4	mg/kg	0.42		12	J	9.4	J+	44		26		55	J	4.9		0.099	U	9.9	UJ	56	
	SS-MM5	mg/kg	0.47		7.4	J	7.4	J+	11		24		32	J	2.8		0.087	U	8.7	UJ	44	
Ribbed Mussels	RM-1	mg/kg	0.23	U	7.7		14	J+	2.3		3		5.3	J+	0.54	J+	0.76		23	U	57	
	RM-2	mg/kg	0.24		7.6		16	J+	2		5.1		4.7	J+	0.63	J+	0.71		21	U	64	
	RM-3	mg/kg	0.23		6.1		10.4		1.8		3.3		4.4	J+	0.57	J+	0.38		14	U	41	
	RM-4	mg/kg	0.21	U	7.7		14	J+	2.1		4		6.3	J+	0.62	J+	0.52		21	U	57	
	RM-5	mg/kg	0.19	U	7.7		12	J+	1.3		6		5	J+	0.45	J+	0.48		19	U	53	
	RM-6	mg/kg	0.25		9.5		14.4	J+	1.6		8.6		7.1	J+	0.54	J+	0.38		21	U	59	
Soft Shell Clam (*Mya*)	Mya-1	mg/kg	0.15	U	1.4		8.5	J+	0.67		3.4		4.3	J+	0.36	J+	0.15	U	15	U	21	
	Mya-2	mg/kg	0.4		7.6		21		1.6		15		30		1.3	J+	0.38		27	U	94	
	Mya-3	mg/kg	0.37		6.4		22		1.6		17		130		1.3	J+	0.7		16	U	96	
	Mya-4	mg/kg	1.2		7.3		31		3.1		16		20		1.4	J+	0.5		12	U	86	
	Mya-5	mg/kg	0.33		7.2		24		1.5		14		21		1.7	J+	0.52		13	U	94	
Hard Shell Clam (*Mercenaria*)	Mer-1 (Small)	mg/kg	0.11	U	5.1		14		1.8		1.7		52		1.4	J+	0.19		11	U	69	
	Mer-2 (Medium)	mg/kg	0.11	U	5.9		11		1.6		2.9		200		0.95	J+	0.26		11	U	93	
	Mer-3 (Large)	mg/kg	0.1	U	9.8		14.3		1.2		3.1		120		1.6	J+	2.1		10	U	120	
Foraging Fish (*Fundulis*)	FF-1	mg/kg	0.17	U	3.6		5	J+	1		0.52	J+	13.3		0.34	J+	0.17	U	17	U	80	
	FF-2	mg/kg	0.19	U	3.5		4.8	J+	1		0.92	J+	18		0.39	J+	0.19	U	19	U	93	
	FF-3	mg/kg	0.16	U	3.5		5.9	J+	0.98		0.49	J+	14		0.33	J+	0.16	U	16	U	79	
	FF-4	mg/kg	0.17	U	3.8		6.1	J+	1.1		0.49	J+	17		0.39	J+	0.17	U	17	U	93	
	FF-5	mg/kg	0.29	U	3.7		5	J+	1.3		0.52	J+	15		0.38	J+	0.29	U	29	U	87	
Sea Lettuce (*Ulva*)	Ulva-1	mg/kg	0.23		4.7		12	J+	5		24		120	J-	2.6	J+	0.19	U	19	U	32	
	Ulva-2	mg/kg	0.6		15		9.7	J+	2.6		56		230	J-	4	J+	0.23	U	23	U	51	
	Ulva-3	mg/kg	0.54		10		11	J+	2.8		66		250	J-	4.7	J+	0.18	U	18	U	41	
	Ulva-4	mg/kg	0.57		12		12	J+	4.6		69		280	J-	3.4	J+	0.2	U	20	U	51	
	Ulva-5	mg/kg	0.75		6.3		13	J+	3.4		80		280	J-	3.6	J+	0.21	U	21	U	38.1	

mg/kg=milligram per kilogram dry weight
ug/L=microgram per liter

U=Undetected
J+= Value is estimated high

J= Estimated
UJ= Not detected and reporting limit is estimated

* Soil = Beach Sediments

0356-DFR-051809

Table 5. Analytical Results of Soil[a] Samples Collected Along Intertidal Zone Adjacent to Seawall*
Raritan Bay Slag Site
Old Bridge Township, NJ

Sample	Distance from Seawall (ft)	Units	Antimony (Sb)		Arsenic (As)		Copper (Cu)		Chromium (Cr)		Lead (Pb)		Manganese (Mn)		Nickel (Ni)		Silver (Ag)		Tin (Sn)		Zinc (Zn)	
			Concentration	Qualifier	Concentration	Qualifier	Concentration	Qualifier	Concentration	Qualifier	Concentration	Qualifier	Concentration	Qualifier	Concentration	Qualifier	Concentration	Qualifier	Concentration	Qualifier	Concentration	Qualifier
RBS-SED17	75	mg/kg	8.5	R	2.4	R	10.2	R	4.9		75.7		16.8	R	1.3	J	1.4	U	14.2	UJ	27.6	J
RBS-SED18	75	mg/kg	3.1	R	5.6	R	18.6	R	8.3		186		46.8	R	2.7	J	1.6	U	16	UJ	52.7	J
RBS-SED07	25	mg/kg	232	R	157	R	248	R	57		5860		174	R	18.4		0.24	J	127	J	242	J
RBS-SED08	25	mg/kg	20.9	R	22.7	R	24	R	7.1		861		48.5	R	3	J	1.3	U	38.6	J	46.3	J
RBS-SED19	75	mg/kg	2.1	R	6.3	R	11	R	9.1		93.5		43.1	R	3.2	J	1.5	U	15	UJ	43.2	J
RBS-SED09	25	mg/kg	15.1	R	17.1	R	31.1	R	17.3		403		65.9	R	2.7	J	1.2	U	14.5	J	47	J
RBS-SED20	75	mg/kg	0.58	R	9.4	R	27.1	R	19.6		58.2		40.8	R	7.4		1.5	U	15.2	UJ	59.2	J
RBS-SED21	75	mg/kg	0.46	R	2	R	7.4	R	5.7		48.1		17.4	17.4	1.2	J	1.3	U	13.1	UJ	32.2	J
RBS-SED22	75	mg/kg	7.7	UJ	2.4		8.4		6.4		53.6	J	18.7		5.2	U	0.32	J	12.9	UJ	34.9	
RBS-SED10	25	mg/kg	7.6	R	9.5	R	18.1	R	7.4		326		51.7	R	3.2	J	1.2	U	12.4	UJ	41.1	J
RBS-SED23	75	mg/kg	8.6	UJ	3.1		9.6		5.5		90.7	J	17.2		5.7	U	0.22	J	14.3	UJ	30.3	
RBS-SED11	25	mg/kg	15.1	R	12.5	R	51.7	R	8.1		441		29.5	R	4.4	J	1.4	U	47.8	J	53.8	J
RBS-SED24	75	mg/kg	8.3	UJ	2.9		9.7		6		79.4	J	14.6		5.5	U	1.4	U	13.8	UJ	32.9	
RBS-SED12	25	mg/kg	26	R	29.4	R	31.8	R	10.4		660		23.4	R	5.8		1.2	U	53.6	J	54.9	J
RBS-SED25	75	mg/kg	13.9	J	6.6		21.2		4.5		458	J	15.5		4.7	U	1.2	U	22.5		29.1	
RBS-SED26	25	mg/kg	20.5	J	15.7		25.4		6.3		525	J	89.5		5.6	U	1.4	U	1020		39.4	
RBS-SED88	75	mg/kg	28	J	19.2		117		5.8		1440	J	13.7		5.6	U	0.14	J	42.1		53.2	
RBS-SED87	25	mg/kg	33.2	J	22.5		37.3		6.7		1100	J	51.6		12.2		0.23	J	45.4		41.1	

* Data from Weston Solutions 2009

a. Soil = Beach Sediments

U= Undetected analyte

J= Estimated concentration

UJ - The analyte was not quantifiable at or above the Contract Required Quantitation Limit (CRQL), or QA/QC requirements were not met

R= Unusable value

R2-0002141

Legend

Sea Wall

Map created using New Jersey 2007 color orthophotography.

Map Creation Date: 18 May 2009

Coordinate system: New Jersey State Plane
FIPS: 2900.
Datum : NAD83.
Units : Feet.

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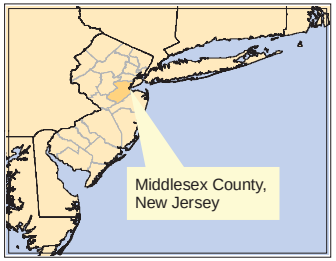
Feet

Data: g:\arcviewprojects\reac4\00-356
MXD file: g:\arcinfoprojects\reac4\EAC00356_LaurebceHarbor\356_SiteOverview_f1rev002
Revision Number: 002

U.S EPA Environmental Response Team
Response Engineering and Analytical Contract
EP-C-04-032
W.A.# 0-356

Figure 1
Site Overview
Raritan Bay Slag Site
Old Bridge Township, New Jersey
May, 2009

R2-0002142



N
W E
S
Magnetic North

Legend

Sampling Locations

- MYA 1 to 5
- RM 1 to 6
- ULVA 1 to 5
- Mercenaria 1 to 3
- Killifish 1 to 5

Map created using New Jersey 2007 color orthophotography , site GPS survey data.

Map Creation Date: 18 May 2009

Coordinate system: New Jersey State Plane
FIPS: 2900.
Datum : NAD83.
Units : Feet.

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Feet

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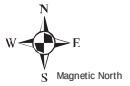
Revision Number: 002

U.S EPA Environmental Response Team
Response Engineering and Analytical Contract
EP-C-04-032
W.A.# 0-356

Figure 2
Sampling Locations
Raritan Bay Slag Site
Old Bridge Township, New Jersey
May, 2009



Legend

- Sample Location
- Sea Wall

Map created using New Jersey 2007 color orthophotography , site GPS survey data.

Map Creation Date: 18 May 2009

Coordinate system: New Jersey State Plane
FIPS: 2900.
Datum : NAD83.
Units : Feet.

300 0 300 600
Feet

Data: g:\arcviewprojects\reac4\00-356
MXD file: g:\arcinfoprojects\reac4\EAC00356_LaurebceHarbor\356_Site_Sample_Location_fXrev001
Revision Number: 001

U.S EPA Environmental Response Team
Response Engineering and Analytical Contract
EP-C-04-032
W.A.# 0-356

Figure 3
Soil Sampling Location
Raritan Bay Slag Site
Old Bridge Township, New Jersey
May, 2009

R2-0002144

Figure 4: Intertidal Zone Along Seawall

Figure 5: Seawall Slag at High Tide

Figure 6: Cheesequake Creek Inlet Western Jetty at High Tide

Figure 7: Cheesequake Creek Inlet Western Jetty

Figure 8: Slag at Cheesequake Creek Inlet Western Jetty

Figure 9: Slag and Fragments

Figure 10: Beachfront Area West of Jetty

Figure 11: *Spartina* (Cordgrass) Along Seawall at Low Tide

Figure 12: Ribbed Mussels

Figure 13: *Mya* (Steamer) Clam

APPENDIX A

ANALYTICAL REPORT: CHARACTERIZATION OF SLAG

OHIO STATE UNIIVERSITY

Raritan Bay Slag and Soil Characterizations

E.A. Dayton, S.D. Whitacre
School of Environment and Natural Resources
The Ohio State University
March, 2009

R2-0002149

Project Summary:

Seventeen waste rock samples and ten sediment samples were characterized for As, Pb, Cu, Sn, Zn, and Sb. Elemental content was determined for all twenty-seven samples, while solubility and leachability were determined on only the seventeen waste rock samples. Additional spectroscopic investigation was performed on all twenty-seven samples in order to identify possible mineral phases in the waste rock and sediment.

The twenty-seven samples varied widely in elemental content (Table 1), indicating that the Raritan Bay waste rock and sediment contaminant concentrations are very heterogeneous.

Table 1. Minimum (min), maximum (max), and median elemental content of Raritan Bay waste rock and sediment (US EPA 3051A).

Element	Unit	min	max	median
As	g/kg	0.00313	15.2	1.62
Cu	g/kg	0.00477	445	3.27
Pb	g/kg	0.0358	173	60.2
Sb	g/kg	0.00976	71.3	3.19
Sn	g/kg	0.00416	11.4	4.54
Zn	g/kg	0.00917	13.5	2.02

Methods:

The samples were oven dried at 60°C followed by pulverization to powder in a puck mill and homogenization. Elemental content was determined by US EPA method 3051A (SOP attached); solubility was determined with a neutral salt (0.01M $CaCl_2$) extraction (SOP attached); and leachability by the toxicity characteristic leaching procedure (SOP attached). Particle size of the powdered samples was further reduced using an agate mortar and pestle prior to X-ray diffraction (XRD). The XRD analysis was carried out using a Scintag XDS2000 diffractometer equipped with a θ-θ goniometer, a 2kW sealed-beam tube with Cu anode and Si-Ge solid-state detector. Samples were pressed into Plexiglas specimen mounts and scanned according to the instrumental settings given in Table 2. The raw scans were collected using the Scintag DMS2000 Diffraction Management Software (Sunnyvale, CA).

Table 2. X-ray diffractometer settings

Scan range	2-80°2θ
Tube voltage	45kV
Filament current	20mA
Source collimating slits	2 & 4mm
Detector receiving slits	0.5 & 0.3mm
Scan mode	continuous
Scan rate	1°min^{-1}
Scan interval	0.03°2θ

Pattern processing and phase identification were carried out using MDI (Materials Data Inc., Livermore, CA) Jade ver. 6.1 (preferences given in Table 3 below). A background function was fitted and subtracted from each of the raw scans. Phase identification by search/match routine was launched on the reduced pattern.

Table 3. Peak Search and Background Fitting Preferences

Peak Search Filter Points	15
Peak Search Filter Type	Parabolic
Peak Location	by summit
$K_{\square 2}$ peaks	screened out
Threshold sigma	3.0
Intensity cutoff %	0.10
Background fitting function	cubic spline
Background fitting point sampling	dense
Background fitting vertical offset	0.4

The Powder Diffraction File (PDF) maintained by the International Center for Diffraction Data (ICDD) & the Inorganic Crystal Structure Database (ICSD) which include NBS and common phases were accessed during the search/match routine. A preferred orientation filter was invoked to compensate for particle orientations acquired during packing of the specimen holder. A 2θ error window of 0.06 and 2θ position and intensity matching sensitivities of 4 and 6 respectively were used. Phases were sorted by figure of merit and selected/rejected based on visual match to the pattern. Phase selections were further guided by results from the dissolution chemistry.

Tables 1 to 4 provide the results.

Table 1: Total Elemental Content of Slag and Soil Samples
Raritan Bay Slag SIteSite
Old Bridge Township, NJ

		356-0001	356-0002	356-0003	356-0004	356-0005	356-0062	356-0063	356-0064	366-0065	356-0066	356-0067	356-0068	356-0069	356-0070	356-0071	356-0072	356-0073
Sample ID		SW-1	SW-2	SW-3	SW-4	SW-5	Jetty 1	Jetty 2A	Jetty 2B	Jetty 3A	Jetty 3B	Jetty 4	Jetty 5	Jetty 6	Jetty 7A	Jetty 7B	W. Jetty 1	W. Jetty 2
Sample Type		Whole	Whole	Whole	Whole	Whole	Whole	Exterior	Interior	Exterior	Interior	Whole	Whole	Whole	Exterior	Interior	Whole	Whole
As	g/kg	9.90	0.0214	2.76	8.39	1.52	0.00774	3.83	4.68	11.3	8.68	0.0907	1.99	6.57	1.63	1.62	15.2	0.801
Cu	g/kg	20.0	445	18.2	9.72	3.37	0.101	3.20	3.01	10.6	11.6	0.511	5.19	3.27	8.72	8.36	8.57	0.253
Pb	g/kg	71.0	0.675	52.6	79.9	39.6	0.889	120	85.2	82.9	73.3	17.4	131	56.0	111	116	125	12.9
Sb	g/kg	71.3	0.0360	2.95	26.7	2.15	0.0313	46.8	45.2	33.8	34.4	0.628	6.68	38.2	0.637	0.502	5.17	1.32
Sn	g/kg	4.61	0.0249	4.54	9.03	1.83	0.0307	9.58	8.60	7.90	7.73	9.60	7.49	3.00	11.4	10.8	6.64	0.346
Zn	g/kg	0.683	0.0493	13.5	2.75	8.73	1.06	0.974	1.08	2.57	2.72	9.63	4.52	2.02	9.79	9.65	4.71	0.385

		356-0006	356-0007	356-0008	356-0009	356-0010	356-0048	356-0049	356-0050	356-0051	356-0052
Sample ID											
Sample Type											
As	g/kg	0.0865	0.0426	0.0356	0.00313	0.00875	1.02	0.122	0.943	1.98	3.06
Cu	g/kg	0.123	0.0653	0.0862	0.00477	0.0274	2.05	0.171	1.29	3.74	6.97
Pb	g/kg	2.58	1.13	2.12	0.0358	0.0962	60.2	2.69	77.2	173	147
Sb	g/kg	0.250	0.115	0.0918	<0.005	0.00976	3.44	0.176	4.49	17.6	9.88
Sn	g/kg	0.113	0.0706	0.0515	0.00416	0.00893	2.02	0.0989	1.34	5.94	5.40
Zn	g/kg	0.137	0.0854	0.0646	0.00917	0.0296	2.16	0.186	1.29	2.30	4.79

U.S. EPA method 3051a
SW - Sea wall
W. Jetty - Westside of Jetty

Table 2: X-ray Diffraction Results
Raritan Bay Slag Site
Old Bridge Township, NJ

356-0001		
Phase ID	**Chemical Formula**	**File ID**
[x] Iron Sulfide	FeS	PDF#65-3356
[x] Troilite-2H	FeS	PDF#37-0477
[x] Tin Arsenide	Sn4As3	PDF#74-0256
[x] Cobalt Nickel Tin	Co0.75Ni0.75Sn0.75	PDF#27-1119
[x] Copper Carbonate	CuCO3	PDF#70-2053
[x] Seinajokite, syn	FeSb2	PDF#80-1925
356-0002		
Phase ID	**Chemical Formula**	**File ID**
[x] Cuprite	Cu2O	PDF#78-2076
[x] Quartz low	SiO2	PDF#86-1630
[x] Cristobalite, syn	SiO2	PDF#39-1425
356-0003		
Phase ID	**Chemical Formula**	**File ID**
[x] Iron Sulfide	Fe0.985S	PDF#80-1030
[x] Troilite 2H	FeS	PDF#75-2165
[x] Iron Oxide	FeO	PDF#89-0687
[x] Silicon	Si	PDF#77-2108
356-0004		
Phase ID	**Chemical Formula**	**File ID**
[x] Troilite 2H	FeS	PDF#75-2165
[x] Quartz	SiO2	PDF#75-0443
[x] Iron Sulfide	FeS	PDF#65-0408
[x] Fayalite manganoan	(Mg.028Fe.908Mn.064)(Mg.028Fe.892Mn.057Ca.023)(SiO4)	PDF#87-0676
[x] Nickel Yttrium	Ni2Y	PDF#65-3043
356-0005		
Phase ID	**Chemical Formula**	**File ID**
[x] Troilite-2H	FeS	PDF#37-0477
[x] Iron Sulfide	FeS	PDF#65-0408
[x] Wuestite, syn	Fe.9712O	PDF#74-1884
[x] Iron Oxide	FeO	PDF#89-0687
[x] Silicon	Si	PDF#78-2500
[x] Nantokite, syn	CuCl	PDF#77-2383
356-0006		
Phase ID	**Chemical Formula**	**File ID**
[x] Quartz low	SiO2	PDF#86-1560
[x] Titanite	CaTiO(SiO4)	PDF#87-0125
356-0007		
Phase ID	**Chemical Formula**	**File ID**
[x] Quartz $GA, syn	SiO2	PDF#78-1253
[x] Microcline maximum	KAlSi3O8	PDF#76-0918
356-0008		
Phase ID	**Chemical Formula**	**File ID**
[x] Quartz $GA, syn	SiO2	PDF#78-1253
356-0009		
Phase ID	**Chemical Formula**	**File ID**
[x] Quartz	SiO2	PDF#85-0794
356-0010		
Phase ID	**Chemical Formula**	**File ID**
[x] Quartz	SiO2	PDF#85-0794
[x] Muscovite 2M1	(Na0.37K0.60)(Al1.84Ti0.02Fe0.10Mg0.06)(Si3.03Al0.97)O10(	PDF#85-2147

Table 2 Continued: X-ray Diffraction Results
Raritan Bay Slag Site
Old Bridge Township, NJ

356-0048		
Phase ID	**Chemical Formula**	**File ID**
[x] Quartz	SiO2	PDF#85-0794
[x] Muscovite-2M2	K0.77Al1.93(Al0.5Si3.5)O10(OH)2	PDF#70-1869
[x] Cerussite	PbCO3	PDF#76-2056
356-0049		
Phase ID	**Chemical Formula**	**File ID**
[x] Quartz	SiO2	PDF#85-0794
[x] Microcline, intermediate	KAlSi3O8	PDF#19-0932
[x] Microcline maximum	(K.95Na.05)AlSi3O8	PDF#84-1455
356-0050		
Phase ID	**Chemical Formula**	**File ID**
[x] Quartz	SiO2	PDF#85-0794
[x] Cerussite, syn	PbCO3	PDF#47-1734
[x] Zirconium Oxide	ZrO2	PDF#79-1796
[x] Barium Manganese Silicon	BaMnSi2	PDF#65-2400
356-0051		
Phase ID	**Chemical Formula**	**File ID**
[x] Quartz	SiO2	PDF#85-0794
[x] Strontium Calcium Sulfide	Sr.75Ca.25S	PDF#75-0265
[x] Galena, syn	PbS	PDF#05-0592
[x] Sodium Nickel Chromium Molybdenum O	NaNi3Cr(MoO4)5	PDF#52-1721
[x] Lanarkite, syn	Pb2OSO4	PDF#72-1393
[x] Cerussite	PbCO3	PDF#76-2056
[x] Aluminum Lithium Silicon	AlLiSi	PDF#65-3003
[x] Lead Hydroxide Chloride	Pb(OH)Cl	PDF#89-0623
[x] Laurionite	PbOHCl	PDF#74-2022
356-0052		
Phase ID	**Chemical Formula**	**File ID**
[x] Quartz	SiO2	PDF#79-1906
[x] Cerussite, syn	PbCO3	PDF#70-2052
[x] Anglesite	Pb(SO4)	PDF#83-1720
[x] Silver Nitrate Oxide	Ag(NO3)(Ag6O8)	PDF#71-0904
[x] Diopside	CaMgSi2O6	PDF#86-0932
[x] Iron Sulfide	FeS	PDF#65-3356
[x] Iron Sulfide	FeS	PDF#65-0408
[x] Lead Sulfate	Pb(SO4)	PDF#82-1855
[x] Zircon	ZrSiO4	PDF#75-1590
356-0062		
Phase ID	**Chemical Formula**	**File ID**
[x] Quartz $GA, syn	SiO2	PDF#78-1253
[x] Tridymite	SiO2	PDF#71-0261
[x] Mullite, syn	Al6Si2O13	PDF#15-0776
[x] Hematite	Fe2O3	PDF#87-1164
[x] Iron Tin Oxide	Fe1.727Sn0.205O3	PDF#88-0434
[x] Iron Hydroxide Oxide	Fe1.833(OH)0.5O2.5	PDF#76-0182
[x] Bytownite	Ca0.86Na0.14Al1.84Si2.16O8	PDF#76-0832
356-0063		
Phase ID	**Chemical Formula**	**File ID**
[x] Troilite 2H	FeS	PDF#75-2165
[x] Lead, syn	Pb	PDF#04-0686
[x] Cobalt Tin	Co3Sn2	PDF#27-1124

Table 2 Continued: X-ray Diffraction Results
Raritan Bay Slag Site
Old Bridge Township, NJ

356-0064		
Phase ID	**Chemical Formula**	**File ID**
[x] Barium Antimony Indium Oxide	Ba2InSbO6	PDF#52-0005
[x] Iron Sulfide	FeS	PDF#65-3356
[x] Troilite-2H	FeS	PDF#37-0477
[x] Iron Cobalt Sulfide	Fe.92Co.08S	PDF#79-0597
[x] Cerussite, syn	PbCO3	PDF#47-1734
356-0065		
Phase ID	**Chemical Formula**	**File ID**
[x] Iron Sulfide	FeS	PDF#65-0408
[x] Troilite 2H	FeS	PDF#75-2165
[x] Lead Zirconium Oxide	PbZrO3	PDF#49-0011
[x] Phlogopite-2M1	KMg3(Si3Al)O10(OH)2	PDF#10-0493
[x] Silicon Oxide	SiO2	PDF#82-1561
356-0066		
Phase ID	**Chemical Formula**	**File ID**
[x] Iron Sulfide	FeS	PDF#65-3356
[x] Troilite 2H	FeS	PDF#75-2165
[x] Iron Hydroxide Oxide	FeOOH	PDF#70-0714
[x] Cobalt Tin	Co3Sn2	PDF#27-1124
[x] Zinkosite, syn [NR]	ZnSO4	PDF#08-0491
356-0067		
Phase ID	**Chemical Formula**	**File ID**
[x] Fayalite magnesian manganoan	Mg.105Fe1.741Mn.121SiO4	PDF#88-2000
[x] Iron Silicon Oxide	Fe2.35Si0.65O4	PDF#52-1143
[x] Yttrium Borate	YBO3	PDF#74-1929
[x] Iron Sulfide	FeS	PDF#65-3356
[x] Zinc, syn	Zn	PDF#04-0831
356-0068		
Phase ID	**Chemical Formula**	**File ID**
[x] Lead Sulfate	Pb(SO4)	PDF#82-1854
[x] Quartz	SiO2	PDF#87-2096
[x] Anglesite, syn	PbSO4	PDF#36-1461
[x] Chromite	(Mg0.43Fe0.58)8(Cr1.19Al0.77Ti0.03)8O32	PDF#72-2493
[x] Iron Sulfide	FeS	PDF#65-3356
356-0069		
Phase ID	**Chemical Formula**	**File ID**
[x] Anglesite	Pb(SO4)	PDF#83-1720
[x] Anglesite	Pb(SO4)	PDF#83-1720
[x] Litharge, syn	PbO	PDF#85-1739
[x] Magnetite	Fe3O4	PDF#75-0449
[x] Georgechaoite	NaKZrSi3O9(H2O)2	PDF#84-0922
356-0070		
Phase ID	**Chemical Formula**	**File ID**
[x] Iron Sulfide	Fe0.985S	PDF#80-1030
[x] Iron Sulfide	FeS	PDF#65-0408
[x] Troilite-2H	FeS	PDF#37-0477
[x] Magnesium Zirconium Titanium Oxide	Mg.25Zr.38Ti.38O1.75	PDF#77-2164
[x] Quartz	SiO2	PDF#79-1915
[x] Magnetite, syn	Fe2.964O4	PDF#87-0244

Table 2 Continued: X-ray Diffraction Results
Raritan Bay Slag Site
Old Bridge Township, NJ

356-0071		
Phase ID	**Chemical Formula**	**File ID**
[x] Iron Sulfide	Fe0.985S	PDF#80-1030
[x] Iron Sulfide	FeS	PDF#65-0408
[x] Cerussite, syn	PbCO3	PDF#70-2052
[x] Titanomagnetite	Al0.7Cr0.3Fe17.485Mg0.4Mn0.114O32Si0.06Ti4.72V0.15	PDF#74-2034
[x] Zinc Sulfide	ZnS	PDF#89-2181
356-0072		
Phase ID	**Chemical Formula**	**File ID**
[x] Iron Sulfide	Fe0.985S	PDF#80-1030
[x] Iron Sulfide	FeS	PDF#65-3356
[x] Troilite-2H	FeS	PDF#37-0477
[x] Zinc Sulfide	ZnS	PDF#89-2144
[x] Arsenic Copper Sulfide	AsCuS	PDF#65-1505
[x] Phlogopite-2M1	KMg3(Si3Al)O10(OH)2	PDF#10-0493
356-0073		
Phase ID	**Chemical Formula**	**File ID**
[x] Quartz	SiO2	PDF#85-0794
[x] Goethite, syn	FeO(OH)	PDF#81-0462

Table 3a: Toxicity Characteristic Leaching Procedure (TCLP) for Slag Collected from Sea Wall, Jetty and Westside of Jetty (mg/kg)
Raritan Bay Slag Site
Old Bridge Township, NJ

		356-0001	356-0002	356-0003	356-0004	356-0005	356-0062	356-0063	356-0064	356-0065	356-0066	356-0067	356-0068	356-0069	356-0070	356-0071	356-0072	356-0073
Sample ID		SW-1	SW-2	SW-3	SW-4	SW-5	Jetty 1	Jetty 2A	Jetty 2B	Jetty 3A	Jetty 3B	Jetty 4	Jetty 5	Jetty 6	Jetty 7A	Jetty 7B	W. Jetty 1	W. Jetty 2
Sample Type		Whole	Whole	Whole	Whole	Whole	Whole	Exterior	Interior	Exterior	Interior	Whole	Whole	Whole	Exterior	Interior	Whole	Whole
As	mg/kg	11.6	<0.4	1.9	72.8	1.6	<0.4	0.9	1.5	<0.4	2.9	3.4	1.7	3.7	<0.4	<0.4	<0.4	<0.4
Cu	mg/kg	<0.4	16,896	2.5	<0.4	<0.4	3.1	<0.4	<0.4	<0.4	4.9	<0.4	<0.4	1.1	<0.4	<0.4	<0.4	0.7
Pb	mg/kg	2,860	349	23,333	28,753	14,044	464	26,816	24,393	11,714	21,191	2,743	6,377	2,612	61,755	39,487	62,713	2,054
Sb	mg/kg	15.0	3.5	1.4	11.4	1.8	3.1	12.7	9.0	1.2	8.5	17.8	11.1	10.1	<0.4	<0.4	0.9	<0.4
Sn	mg/kg	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Zn	mg/kg	12.9	17.3	241.1	58.9	1,004.6	4.8	14.2	56.2	31.9	40.4	209.0	115.2	44.3	384.6	273.3	41.2	7.0

SW - Sea wall
W. Jetty - Westside of Jetty
mg/kg - milligrams per kilogram

Table 3b: Toxicity Characteristic Leaching Procedure (TCLP) for Slag Collected from Sea Wall, Jetty and Westside of Jetty (mg/L)
Raritan Bay Slag Site
Old Bridge Township, NJ

		356-0001	356-0002	356-0003	356-0004	356-0005	356-0062	356-0063	356-0064	356-0065	356-0066	356-0067	356-0068	356-0069	356-0070	356-0071	356-0072	356-0073
Sample ID		SW-1	SW-2	SW-3	SW-4	SW-5	Jetty 1	Jetty 2A	Jetty 2B	Jetty 3A	Jetty 3B	Jetty 4	Jetty 5	Jetty 6	Jetty 7A	Jetty 7B	W. Jetty 1	W. Jetty 2
Sample Type		Whole	Whole	Whole	Whole	Whole	Whole	Exterior	Interior	Exterior	Interior	Whole	Whole	Whole	Exterior	Interior	Whole	Whole
As	mg/L	0.6	<0.02	0.10	3.6	0.08	<0.02	0.047	0.07	<0.02	0.15	0.17	0.08	0.18	<0.02	<0.02	<0.02	<0.02
Cu	mg/L	<0.02	845	0.13	<0.02	<0.02	0.16	<0.02	<0.02	<0.02	0.25	<0.02	<0.02	0.06	<0.02	<0.02	<0.02	0.037
Pb	mg/L	143	17	1,167	1,438	702	23	1,341	1,220	586	1,060	137	319	131	3,088	1,974	3,136	103
Sb	mg/L	0.7	0.17	0.07	0.6	0.09	0.16	0.6	0.45	0.06	0.42	0.9	0.6	10.1	<0.02	<0.02	0.05	<0.02
Sn	mg/L	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Zn	mg/L	0.6	0.9	12	2.9	50	0.24	0.7	2.8	1.6	2.0	10	6	2.2	19	14	2.1	0.35

Table 4: Leachability of Slag Exposed to 0.01*M* Calcium Chloride ($CaCl_2$) Solution
Raritan Bay Slag Site
Old Bridge Township, NJ

		356-0001	356-0002	356-0003	356-0004	356-0005	356-0062	356-0063	356-0064	356-0065	356-0066	356-0067	356-0068	356-0069	356-0070	356-0071	356-0072	356-0073
Sample ID		SW-1	SW-2	SW-3	SW-4	SW-5	Jetty 1	Jetty 2A	Jetty 2B	Jetty 3A	Jetty 3B	Jetty 4	Jetty 5	Jetty 6	Jetty 7A	Jetty 7B	W. Jetty 1	W. Jetty 2
Sample Type		Whole	Whole	Whole	Whole	Whole	Whole	Exterior	Interior	Exterior	Interior	Whole	Whole	Whole	Exterior	Interior	Whole	Whole
As	mg/kg	<0.1	<0.1	<0.1	0.341	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.163	1.02	<0.1	<0.1	<0.1	<0.1
Cu	mg/kg	0.290	0.398	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Pb	mg/kg	0.181	<0.1	45.0	491	8.14	0.173	8.27	610	1.27	870	10.9	505	72.2	10.1	70.9	2.75	47.5
Sb	mg/kg	11.7	0.123	<0.1	0.161	<0.1	0.542	<0.1	<0.1	<0.1	<0.1	0.290	0.362	0.974	<0.1	<0.1	<0.1	<0.1
Sn	mg/kg	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Zn	mg/kg	<0.1	<0.1	9.60	8.08	2.79	<0.1	<0.1	2.13	<0.1	5.76	9.10	126	64.5	<0.1	23.5	<0.1	1.22

SW - Sea wall
W. Jetty - Westside of Jetty
mg/kg - milligrams per kilogram

Standard Operating Procedure
3051a Microwave Assisted Acid Digestion of Sediments, Sludges, and Soils Followed by Inductively Coupled Plasma (ICP) Spectrometry analysis
Soil Environmental Chemistry Program, The Ohio State University
Version 2

1.0 Scope of Method

1.1 This method is a microwave-assisted extraction using aqua regia and HNO_3. This method is more aggressive in dissolving the sample matrix than methods using conventional heating with nitric acid (HNO_3), or alternatively, nitric acid and hydrochloric acid (HCl), according to EPA Methods 200.2 and 3050. However, because Method 3051a does not accomplish total decomposition of the sample, the extracted analyte concentrations may not reflect the total content in samples where the analytes are occluded in recalcitrant mineral phases. This method is applicable to the microwave-assisted acid extraction/dissolution‡ of sediments, sludges, and soils, for the following elements: Aluminum (Al)*, Antimony (Sb)*, Arsenic (As), Barium (Ba)*, Beryllium (Be)*, Boron (B), Cadmium (Cd), Calcium (Ca), Chromium (Cr)*, Cobalt (Co), Copper (Cu), Iron (Fe)*, Lead (Pb), Magnesium (Mg)*, Manganese (Mn), Molybdenum (Mo), Nickel (Ni), Potassium (K), Selenium (Se), Silver (Ag)*, Sodium (Na), Strontium (Sr), Thallium (Tl), Vanadium (V)*, Zinc (Zn).
*Indicates elements which typically require the addition of HCl to achieve equivalent results with EPA Method 3050, as noted in reference 3.
This method is intended to provide a rapid multi-element acid extraction or dissolution prior to analysis. Many types of samples will be dissolved by this method. A few refractory sample matrix compounds, such as quartz, silicates, titanium dioxide, alumina, and other oxides may not be dissolved and in some cases may sequester target analyte elements. These bound elements are considered non-mobile in the environment and are excluded from most aqueous transport mechanisms of pollution.

2.0 Definitions

2.1 Laboratory Control Sample: The laboratory control used for the microwave digestion is a standard reference material (SRM) or certified reference material (CRM) that goes through the same extraction/preparation procedure as the samples. The analyte composition of the laboratory control sample is certified by acid dissolution method 3051a, 3050, or equivalent.

2.2 Duplicate Samples: A duplicate test involves splitting a sample two sub-samples and processing each through the same sample preparation procedure in order to determine the precision of the method.

2.3 Pre-digestion Spike: A duplicate sample is spiked prior to digestion in order to provide information about the effect of the sample matrix on the digestion and/or measurement methodology.

2.4 Preparation Blank: The Preparation Blank is a sample that contains only the reagents used in the extraction procedure. The preparation blanks is processed

through the same preparation procedures as the samples and therefore gives an indication of any contamination picked up during the sample preparation process.

2.5 Serial Dilution: A serial dilution consists of a comparison of the results of a sample and another aliquot diluted by a known factor.

2.6 ICP-AES: Inductively Coupled Plasma-Atomic Emission Spectrometry.

2.7 ICP-HG-AES: ICP-AES with sample introduction using automated hydride generation

2.8 ICP-MS: Inductively Coupled Plasma-Mass Spectrometry.

3.0 Equipment and Supplies

3.1 MARS 1600 watt microwave (CEM corporation, Mathews, NC).
Note: The microwave power output test, power calibration, and temperature probe calibration should be performed according to manufactures specifications every six months.

3.2 Trace metal grade nitric acid.

3.3 Trace metal grade hydrochloric acid.

3.4 ≥18 MΩ deionized water (DI).

3.5 50ml volumetric flasks

3.6 Parafilm

4.0 Procedure

Review SOP for handling acids (attached) prior to beginning the procedure.

4.1 Weigh a well-mixed sample to the nearest 0.001 g into an acid washed Teflon vessel equipped with a controlled pressure relief mechanism.

4.2 Add 9.0 ± 0.1 mL concentrated nitric acid and 3.0 ± 0.1 mL concentrated hydrochloric acid to the vessel in a fume hood.

4.2a The addition of concentrated hydrochloric acid to the nitric acid is appropriate for the stabilization of certain analytes, such as Ag, Ba, and Sb and high concentrations of Fe and Al in solution.

4.3 Seal the vessel according to the manufacturer's directions. Properly place the vessel in the microwave system according to the manufacturer's recommended specifications.

4.4 Enable the appropriate 3051 method in the MARS unit software as determined by the number of samples and project requirements. Note: The 3051_40 express method does not adhere to the 4 minute ramp requirement of the USEPA 3051 method.

4.5 Once the digests have cooled, remove from the microwave and wholly transfer into labeled 50ml volumetrics that have been acid washed following the *Dish Washing SOP* and triple rinsed with ≥18 MΩ DI water immediately prior to transfer.

4.6 Bring samples to volume, cover with parafilm and mix thoroughly by inversion. Bring to volume and mix thoroughly again after samples have cooled.

4.7 Syringe filter samples into labeled falcon tubes using dry acid washed syringes and nylon 0.45um nylon syringe filters.

5.0 Quality Control

5.1 Laboratory Control Sample: The laboratory control sample must fall within ± 20% of the known value or within the 95% prediction interval of the certified value. The laboratory control sample must be run with each batch of microwave digestions.

5.2 Sample Duplicates: The relative percent difference (RPD) must be no more than 20%. One sample duplicate must be run with every microwave batch.

$$RPD = 100 \times \frac{|S - D|}{\text{Avg. } (S,D)}$$

5.3 Pre-digestion Spike: Spike recoveries must fall within the limits of 75-125%. At least one spike analyses (matrix spikes) shall be performed on each group of samples of a similar matrix type. Pre-digestion spikes are to be done at the following levels for elements of interest.

Final Spike concentration	mg/L spike solution	uL spike prior to digest
As - 400 mg/kg	1000	200
Ba - 400 mg/kg	1000	200
Se 400 mg/kg	1000	200
Tl - 400 mg/kg	1000	200
Sb - 100 mg/kg	1000	50
Co 100 mg/kg	1000	50

Pb - 100 mg/kg	1000	50
Mn - 100 mg/kg	1000	50
Ni - 100mg/kg	1000	50
V - 100 mg/kg	1000	50
Zn - 100 mg/kg	1000	50
Cu 50 mg/kg	1000	25
Cr 40 mg/kg	1000	20
Ag - 10 mg/kg	100	50
Be - 10 mg/kg	100	50
Cd 10 mg/kg	100	50

5.4 Preparation Blank: If any analyte concentration is above the detection limit, in the preparation blank, the lowest concentration of the analyte reported in associated samples must be ≥ 10 times the preparation blank concentration. A preparation blank must be performed with each batch of microwave digests.

5.5 Serial Dilution: The % difference for the serial dilution tests must be no more than 10%. At least one serial dilutions should be performed on each group of samples with similar matrix.

$$\%\text{Difference} = 100 * \frac{[\text{initial}] - ([\text{diluted}] * \text{DilutionFactor})}{[\text{initial}]}$$

6.0 Instrumental Analysis

6.1 Instrumentation: ICP-AES and ICP-HG-AES analysis are carried out on a Varian Vista-MPX ICP-OES (Varian Inc., Walnut Creek, CA). Determination by ICP-MS is done on a Perkin-Elmer Sciex ELAN 6000 (Perkin-Elmer Inc., Waltham, MA)

6.2 Detection Limits

6.2a Method detection limits (MDL) are calculated for specific methods and consequent conditions of that method developed for analysis on ICP. The method detection limit is determined by multiplying by 3.143 the standard deviation of seven replicate analyses of standard solutions at 2-5x the IDL limit.

6.3 Stock standards are prepared using ICP grade standards (SPEX CertiPrep Group, Metuchen, NJ, Assurance ICP Standards). Calibration standards are prepared daily by serial dilution from at least two independent stock standards. The dilutions should be done into a matrix comparable to the samples.

6.4 Nebulizer optimization should be performed before each calibration. Nebulizer optimization should be carried out according to manufacturer specifications.

6.5 Instruments shall be calibrated daily and each time the instrument is set up. Calibrate the instrument according to instrument manufacturer's recommended procedures. At least four standards shall be used for ICP calibration. One of the standards shall be a blank. Linear calibration must meet the criteria of: $r^2 = 0.995$, and calculated concentrations from the regression within 10% for each standard in the calibration.

6.6 Initial calibration verification (ICV) is an independent certified mixed QC standard (SPEX CertiPrep Group LPC standard 1, Fisher Cat. No. LPC-1-100N) run immediately after instrument calibration. Standards must fall within ± 10% of certified value. An independent standard is defined as a standard composed of the analytes from a different source than those used in the standards for the instrument calibration.

6.7 Continuing calibration verification (CCV) is a dilution of the ICV QC standard and is run after every ten samples. Standards must fall within ± 10% of certified value.

6.8 Initial calibration blank (ICB) is a calibration blank run just prior to the first sample. The calibration blank must fall below the method detection limit (MDL) detection limit. If the calibration blank is above the MDL, the problem should be fixed and instrument re-calibrated.

6.9 Continuing calibration blank (CCB) is a calibration blank run after every ten samples with the CCV. The calibration blank must fall below the MDL. If a calibration blank is above the detection limit, the instrument must be recalibrated and the previous samples to the last CCB re-run.

6.10 Limit of quantitation (LOQ) is a check standard used to verify linearity at the MDL for ICP analysis. The LOQ standards at a concentration equal to the MDL are analyzed at the beginning and end of each sample analysis and at a frequency of not greater than 20 analytical samples.

6.11 A linear range verification check standard shall be analyzed for each wavelength concentrations that exceed the highest calibration standard by more than 20%. The standard shall be analyzed during the analytical run. The analytically determined concentration of this standard shall be within 10% of the true value. This concentration is the upper limit of the ICP linear range beyond which results cannot be reported without dilution of the analytical sample.

6.12 Potential interferences are determined by calibration of all potential lines used for analysis followed by the analysis of single element standards as samples containing 10 to 500mg/L. Interferences were identified as a signal greater than the IDL on any line other than the element in the standard. The single element standards

investigated included; Al, As, B, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Mo, Na, Ni, P, Pb, Sb, Se, Tl, V, Zn.

6.13 To verify interelement and background correction factors for the ICP, an Interference Check Samples (ICS) shall be analyzed at the beginning and end of each analysis run and not greater than 20 analytical samples per analysis run. The Interference Check Samples consist of two solutions: Solution A and Solution AB. Solution A consists of the interferents, and Solution AB consists of the analytes mixed with the interferents. An ICS analysis consists of analyzing both solutions consecutively (starting with Solution A) for all wavelengths used for each analyte reported by ICP. The analytical results for those target analytes with MDLs < 10 ug/L shall fall within + 2x MDL of the analyte's true value (the true value shall be zero unless otherwise stated) in the ICS Solution A (ICSA). For example, if the analysis result(s) for Arsenic (MDL = 10 ug/L, ICSA true value = 0 ug/L) in the ICSA analysis during the run is + 19 ug/L, then the analytical result for Arsenic falls within the + 2x MDL window for Arsenic in the ICSA. Results for the ICP analyses of Solution AB during the analytical runs shall fall within the control limit of +20% of the true value for the analytes included in the Interference Check Samples. If not, terminate the analysis, correct the problem, recalibrate the instrument, and reanalyze the analytical samples analyzed since the last good ICS. This + 20% window does not apply when the IDL exceeds the MDL for the analytes As, Pb, Se, Tl.

INTERFERENT AND ANALYTE ELEMENTAL CONCENTRATIONS USED FOR ICP INTERFERENCE CHECK SAMPLE

Analytes (mg/L)		Interferents (mg/L)
ICS B		ICS A & ICS B
Se 0.05	Tl 0.1	Al 500
As 0.1	Zn 1.0	Ca 500
Ba 0.5		Fe 200
Be 0.5		Mg 500
Cd 1.0		
Co 0.5		
Cr 0.5		
Cu 0.5		
Mn 0.5		
Ni 1.0		
Pb 0.05		

7.0 Reporting

7.1 If the QC limits are not met for any element or sample, the effect on the data set will be evaluated by the project manager and analyst.

8.0 References

8.1 United States Environmental Protection Agency. Method 3051A. Microwave assisted acid digestion of sediments, sludges, soils, and oils. In SW-846; U.S. EPA: Washington, DC, 1998.

8.2 United States Environmental Protection Agency. Method 6010C. Inductively Coupled Plasma-Atomic Emission Spectrometry. In SW-846; U.S. EPA: Washington, DC, 2007.

8.3 United States Environmental Protection Agency. Method 6020A. Inductively Coupled Plasma-Atomic Mass Spectrometry. In SW-846; U.S. EPA: Washington, DC, 2007.

8.4 United States Environmental Protection Agency. Document number ILM04.0b. Contract Laboratory Program Statement of work for inorganic analysis, multi-media, multi-concentration. U.S. EPA: Washington, DC.

Standard Operating Procedure
Neutral Salt Extraction
Soil and Environmental Chemistry Group, The Ohio State University, Version 2

1.0 Scope of Method

1.1 A neutral salt extraction is used to screen for elemental solubility.

1.2 This method is applicable for testing soil, sediments, and municipal/industrial byproducts

3.0 Definitions

2.1 Duplicate Samples: A duplicate test involves splitting a sample into two or more sub-samples and processing each through the same sample preparation procedure in order to determine the precision of the method.

2.2 Preparation Blank: A a sample that contains only the reagents used in the extraction procedure. The preparation blanks is processed through the same procedures as samples and therefore gives an indication of potential contamination in the sample preparation process.

2.3 ICP-AES: Inductively Coupled Plasma-Atomic Emission Spectrometry.

3.0 Equipment and Supplies

3.1 Shaker

3.2 Neutral salt solution

3.4 ≥18 MΩ deionized water.

4.0 Procedure

4.1 Samples should be oven dried 70 ºC, dried and crushed to <2mm

4.2 Weigh 5 g of well-mixed sample to the nearest 0.001 g into a 50 mL centrifuge tube

4.3 Add 25 mL of 0.01 *M* $CaCl_2$ solution and cap vessel

4.4 Equilibrate sample by shaking for 4h

4.5 Filter (0.45µm) using nylon syringe filters, into ICP falcon tubes

4.6 Refrigerate filtered extracts and analyze within 2 days or add 1drop concentrated HCl to preserve samples.

5.0 Quality Control

5.1Sample Duplicates: The % relative standard deviation (%RPD) must be no more than 20%. One sample duplicate must be run for every twenty samples.

$$RPD = 100 \times \frac{|S - D|}{Avg.\ (S,D)}$$

5.2 Preparation Blank: If any analyte concentration is above the detection limit, the lowest concentration of the analyte in the associated samples must be 10 times the preparation blank concentration. A preparation blank must run every 10 samples

6.0 Instrumental Analysis by ICP-OES

6.1 Instrumentation: ICP-AES and ICP-HG-AES analysis are carried out on a Varian Vista-MPX ICP-OES (Varian Inc., Walnut Creek, CA).

6.2 Stock standards are prepared using ICP grade standards (SPEX CertiPrep Group, Metuchen, NJ, Assurance ICP Standards). Calibration standards are prepared daily by serial dilution from at least two independent stock standards. The dilutions should be done into a matrix comparable to the samples.

6.3 Nebulizer optimization should be performed before each calibration. Nebulizer optimization should be carried out according to manufacturer specifications.

6.4 Instruments shall be calibrated daily and each time the instrument is set up. Calibrate the instrument according to instrument manufacturer's recommended procedures. At least four standards shall be used for ICP calibration. One of the standards shall be a blank. Linear calibration must meet the criteria of: $r^2 = 0.995$, and calculated concentrations from the regression within 10% for each standard in the calibration.

6.5 Initial calibration verification (ICV) is an independent certified mixed QC standard (SPEX CertiPrep Group LPC standard 1, Fisher Cat. No. LPC-1-100N) run immediately after instrument calibration. Standards must fall within ± 10% of certified value. An independent standard is defined as a standard composed of the analytes from a different source than those used in the standards for the instrument calibration.

6.6 Continuing calibration verification (CCV) is a dilution of the ICV QC standard and is run after every ten samples. Standards must fall within ± 10% of certified value.

6.7 Initial calibration blank (ICB) is a calibration blank run just prior to the first sample. The calibration blank must fall below the method detection limit (MDL) detection limit. If the calibration blank is above the MDL, the problem should be fixed and instrument re-calibrated.

6.8 Continuing calibration blank (CCB) is a calibration blank run after every ten samples with the CCV. The calibration blank must fall below the MDL. If a calibration blank is above

the detection limit, the instrument must be recalibrated and the previous samples to the last CCB re-run.

6.9 Limit of quantitation (LOQ) is a check standard used to verify linearity at the MDL for ICP analysis. The LOQ standards at a concentration equal to the MDL are analyzed at the beginning of each sample analysis.

6.10 A linear range verification check standard shall be analyzed for each wavelength concentrations that exceed the highest calibration standard by more than 20%. The standard shall be analyzed during the analytical run. The analytically determined concentration of this standard shall be within 10% of the true value. This concentration is the upper limit of the ICP linear range beyond which results cannot be reported without dilution of the analytical sample

6.11 Potential interferences are determined by calibration of all potential lines used for analysis followed by the analysis of single element standards as samples containing 10 to 500mg/L. Interferences were identified as a signal greater than the IDL on any line other than the element in the standard. The single element standards investigated included; Al, As, B, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Mo, Na, Ni, P, Pb, Sb, Se, Tl, V, Zn.

7.0 Reporting

7.1 If the QC limits are not met for any element or sample, the effect on the data set will be evaluated by the project manager and analyst.

8.0 References

8.1 U.S. Environmental Protection Agency. Method 6010C. Inductively Coupled Plasma-Atomic Emission Spectrometry. In SW-846; U.S. EPA: Washington, DC, 2007.

8.2 U.S. Environmental Protection Agency. Document number ILM04.0b. Contract Laboratory Program Statement of work for inorganic analysis, multi-media, multi-concentration. U.S. EPA: Washington, DC.

Toxicity Characteristic Leaching Procedure (TCLP) for Inorganics
Standard Operating Procedure

Soil Environmental Chemistry Program, The Ohio State University

Version 1

1.0 Scope of Method

1.1 The TCLP is designed to determine the mobility of both organic and inorganic analytes present in liquid, solid, and multiphasic wastes.

2.0 Definitions

2.1 Duplicate Samples: A duplicate test involves splitting a sample two sub-samples and processing each through the same sample preparation procedure in order to determine the precision of the method.

2.2 Preparation Blank: The Preparation Blank is a sample that contains only the reagents used in the extraction procedure. The preparation blanks is processed through the same preparation procedures as the samples and therefore gives an indication of any contamination picked up during the sample preparation process.

2.3 Matrix Spike: A duplicate sample is spiked after to the extraction procedure in order to provide information about the effect of the sample matrix on the measurement methodology.

2.4 ICP-AES: Inductively Coupled Plasma-Atomic Emission Spectrometry.

3.0 Equipment and Supplies

3.1 Agitation apparatus

3.2 high density polyethylene (HDPE), polypropylene (PP), or polyvinyl chloride(PVC) extraction vessels

3.3 pH Meter accurate to 0.05 units

3.4 Laboratory Balance: Any laboratory balance accurate to within + 0.01 grams may be used (all weight measurements are to be within + 0.1 grams).

3.5 Hydrochloric acid (1N), HCl, made from ACS reagent grade.

3.6 Nitric acid (1N), HNO3, made from ACS reagent grade.

3.7 Sodium hydroxide (1N), NaOH, made from ACS reagent grade.

3.8 Glacial acetic acid, CH3CH2OOH, ACS reagent grade.

3.9 ≥18 MΩ deionized water (DI).

3.10 Parafilm

4.0 Procedure

Review SOP for handling acids (attached) prior to beginning the procedure.

4.1 Oven dry sample at 60°C.

4.2 Grind solid sample until it is capable of passing through a 9.5 mm sieve.

4.3 Determine the correct extraction solution for the sample.

4.3.1 Weigh 5g of sample into a 500 mL beaker or Erlenmeyer flask. Add 96.5 mL of reagent water to the beaker, cover with a watchglass, and stir vigorously for 5 minutes using a magnetic stirrer. Measure and record the pH. If the pH is <5.0, use extraction fluid #1. If the pH from Section 7.1.4.2 is >5.0, add 3.5 mL 1N HCl, slurry briefly, cover with a watchglass, heat to 50 °C, and hold at 50 EC for 10 minutes. Let the solution cool to room temperature and record the pH. If the pH is <5.0, use extraction fluid #1. If the pH is >5.0, use extraction fluid #2.

4.4 Prepare appropriate extraction solution.

Extraction fluid # 1: Add 5.7 mL glacial CH_3CH_2OOH to 500 mL of reagent water (See Section 5.2), add 64.3 mL of 1N NaOH, and dilute to a volume of 1 liter. When correctly prepared, the pH of this fluid will be 4.93 + 0.05.

Extraction fluid # 2: Dilute 5.7 mL glacial CH_3CH_2OOH with reagent water (See Section 5.2) to a volume of 1 liter. When correctly prepared, the pH of this fluid will be 2.88 + 0.05

4.5 Weigh 1.5g of sample into extraction vessel.

4.6 Add 30ml of extraction fluid

4.7 Close the extractor bottle tightly, secure in agitation device, and agitate for 18 ± 2 hours.

4.8 Remove from rotary agitation device and 0.45um nylon syringe filter (aprox. 12ml) into falcon tubes for ICP analysis. Samples should be preserved <pH 2 by the addition of 1 drop of concentrated HNO_3.

5.0 Instrumental Analysis by ICP-OES

5.1 Instrumentation: ICP-AES and ICP-HG-AES analysis are carried out on a Varian Vista-MPX ICP-OES (Varian Inc., Walnut Creek, CA). Determination by ICP-MS is done on a Perkin-Elmer Sciex ELAN 6000 (Perkin-Elmer Inc., Waltham, MA)

5.2 Stock standards are prepared using ICP grade standards (SPEX CertiPrep Group, Metuchen, NJ, Assurance ICP Standards). Calibration standards are prepared daily by serial dilution from at least two independent stock standards. The dilutions should be done into a matrix comparable to the samples.

5.3 Nebulizer optimization should be performed before each calibration. Nebulizer optimization should be carried out according to manufacturer specifications.

5.4 Instruments shall be calibrated daily and each time the instrument is set up. Calibrate the instrument according to instrument manufacturer's recommended procedures. At least four standards shall be used for ICP calibration. One of the standards shall be a blank. Linear calibration must meet the criteria of: $r^2 = 0.995$, and calculated concentrations from the regression within 10% for each standard in the calibration.

5.5 Initial calibration verification (ICV) is an independent certified mixed QC standard (SPEX CertiPrep Group LPC standard 1, Fisher Cat. No. LPC-1-100N) run immediately after instrument calibration. Standards must fall within ± 10% of certified value. An independent standard is defined as a standard composed of the analytes from a different source than those used in the standards for the instrument calibration.

5.6 Continuing calibration verification (CCV) is a dilution of the ICV QC standard and is run after every ten samples. Standards must fall within ± 10% of certified value.

5.7 Initial calibration blank (ICB) is a calibration blank run just prior to the first sample. The calibration blank must fall below the method detection limit (MDL) detection limit. If the calibration blank is above the MDL, the problem should be fixed and instrument re-calibrated.

5.8 Continuing calibration blank (CCB) is a calibration blank run after every ten samples with the CCV. The calibration blank must fall below the MDL. If a calibration blank is above the detection limit, the instrument must be recalibrated and the previous samples to the last CCB re-run.

5.9 Limit of quantitation (LOQ) is a check standard used to verify linearity at the MDL for ICP analysis. The LOQ standards at a concentration equal to the MDL are analyzed at the beginning of each sample analysis.

5.10 A linear range verification check standard shall be analyzed for each wavelength concentrations that exceed the highest calibration standard by more than 20%. The standard shall be analyzed during the analytical run. The analytically determined concentration of this standard shall be within 10% of the true value. This concentration is the upper limit of the ICP linear range beyond which results cannot be reported without dilution of the analytical sample

5.11 Potential interferences are determined by calibration of all potential lines used for analysis followed by the analysis of single element standards as samples containing 10 to 500mg/L. Interferences were identified as a signal greater than the IDL on any line other than the element in the standard. The single element standards investigated included; Al, As, B, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Mo, Na, Ni, P, Pb, Sb, Se, Tl, V, Zn.

6.0 Quality Control

6.1 Sample Duplicates: The relative percent difference (RPD) must be no more than 20%. One sample duplicate must be run every 20 samples.

$$RPD = 100 \times \frac{|S - D|}{\text{Avg. } (S,D)}$$

6.2 Matrix Spike: Spikes should be performed such that the end concentration is within the linear range for the instrument. Spike recoveries for analytes of interest must fall within the limits of 75-125%. At least one spike analyses (matrix spikes) shall be performed on each group of samples of a similar matrix type.

6.3 Preparation Blank: If any analyte concentration is above the LOQ, in the preparation blank, the lowest concentration of the analyte reported in associated samples must be ≥ 10 times the preparation blank concentration. A preparation blank must be performed with each batch of microwave digests.

7.0 Reporting

7.1 If the QC limits are not met for any element or sample, the effect on the data set will be evaluated by the project manager and analyst.

8.0 References

8.1 United States Environmental Protection Agency. Method 1311. Toxicity Characteristic Leaching Procedure. In SW-846; U.S. EPA: Washington, DC, 2007.

8.2 United States Environmental Protection Agency. Method 6010C. Inductively Coupled Plasma-Atomic Emission Spectrometry. In SW-846; U.S. EPA: Washington, DC, 2007.

8.3 United States Environmental Protection Agency. Document number ILM04.0b. Contract Laboratory Program Statement of work for inorganic analysis, multi-media, multi-concentration. U.S. EPA: Washington, DC.

APPENDIX B

ANALYTICAL REPORT:

SOIL, PORE WATER AND BIOTA

ANALYTICAL REPORT

Prepared by
LOCKHEED MARTIN, Inc.

Laurence Harbor Site
Laurence Harbor, NJ

November 2008

EPA Work Assignment No. 0-356
LOCKHEED MARTIN Work Order EAC000356
EPA Contract No. EP-C-04-032

Submitted to
M. Sprenger
EPA-ERT

V. Kansal
Analytical Section Leader
11/3/08
Date

D. Killeen
Quality Assurance Officer
11/3/08
Date

D. Miller
Program Manager
11/3/08
Date

Analysis by:
Katahdin

Prepared by:
Y. Mehra

Reviewed by:
J. Soroka

0356-DAR-110308

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Section III

Communication
Chains of Custody

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Appendix A Data for Metals in Tissue	T 304
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Appendices will be furnished on request.

Introduction

REAC, in response to WA# 0-356, provided analytical support for environmental samples collected from the Laurence Harbor Site in Laurence Harbor, New Jersey, as described in the following table. The support also included QA/QC, data review, and preparation of an analytical report containing the results and the QA/QC results.

Chain of Custody #	Number of Samples	Sampling Date	Date Received	Matrix	Analysis / Method	Lab	Data Package
356-09/15/08-0003	6	09/10/08	9/19/08	Tissue	TAL Metals/ SW-846 6020	Katahdin	T 304
356-09/15/08-0004	5						
356-09/15/08-0005	3	09/11/08					
356-09/15/08-0006	5	09/10/08					
356-09/15/08-0007	5						
356-09/24/08-0009	12	09/11/08	09/25/08	Sediment			T 308
	10	09/22/08		Pore Water			

[1] Katahdin is NELAC certified for Metals analysis.

Case Narrative

The metals data are reported to two significant figures and reported as received from the laboratory. Any other representation of the data is the responsibility of the user. All data validation flags have been inserted into the results tables.

Due to the high levels of acid used during the digestion procedure for ICP-MS metals, all samples underwent a five-fold dilution before analysis. All RLs have been adjusted for dilution.

Metals in Tissue Package T 304

Manganese and copper were detected in the continuing calibration blank (CCB) of 10/2/08-23:44 above the RL. Manganese and copper are qualified estimated high (J+) for the method blank of 10/2/08 and the CO_2 blank.

Copper and lead were detected in the method blank 10/1/08 above the RL. Copper and lead are qualified estimated high (J+) for samples 356-0037 through -0041.

Barium, copper, manganese and nickel were detected in the CO_2 blank above the RL. Barium, copper, manganese and nickel are qualified estimated high (J+) for samples 356-0023, -0024, -0026, -0027, -0028 and -0029. Barium, manganese and nickel are qualified estimated high (J+) for sample 356-0025. Barium and nickel are qualified estimated high (J+) for samples 356-0030, -0031, -0032, -0033, -0034, -0035, and -0036. Barium, copper and nickel are qualified estimated high (J+) for samples 356-0037, -0038, -0039, -0040, -0041, -0042, -0043, -0044, -0045 and -0046.

Aluminum did not meet the %D criterion for the serial dilution analysis of sample 356-0023. Aluminum is qualified estimated (J) for samples 356-0023 through -0041.

Aluminum and manganese did not meet the % recovery criterion for the MS/MSD of sample 356-0043.

R2-0002178

Aluminum is qualified estimated high (J+) and manganese estimated low (J-) for samples 356-0042 through -0046.

Metals in Sediment and Water Package T 308

The sediment blank (356-0022) contained aluminum, barium, chromium, copper, lead, manganese and nickel above the reporting limit. Barium is qualified estimated high (J+) for samples 356-0011, -0012, -0013, -0017, -0018 and -0021. Copper is qualified estimated high (J+) for samples 356-0011, -0012, -0020 and -0021. Manganese is qualified estimated high (J+) for samples 356-0011, -0014, -0017, -0019 and -0021. Nickel is qualified estimated high (J+) for samples 356-0011 and -0014.

Manganese and tin did not meet the %RPD criterion for the MS/MSD analysis of sample 356-0011. Manganese did not meet the % recovery criterion for the MS and tin did not meet the % recovery criterion for the MSD of sample 356-0011. Manganese and tin are qualified estimated (J) for samples 356-0011 through -0022.

Arsenic did not meet the %D criterion for the serial dilution analysis of sample 356-0011. Arsenic is qualified estimated (J) for sample 356-0011 through 356-0022.

R2-0002179

Summary of Abbreviations

BFB	Bromofluorobenzene
C	Centigrade
CLP	Contract Laboratory Program
COC	Chain of Custody
conc	concentration
cont	continued
CRDL	Contract Required Detection Limit
CRQL	Contract Required Quantitation Limit
D	(Surrogate Table) value is from a diluted sample and was not calculated
Dioxin	Polychlorinated dibenzo-p-dioxins (PCDD) and Polychlorinated dibenzofurans (PCDF)
DFTPP	Decafluorotriphenylphosphine
EMPC	Estimated maximum possible concentration
GC/MS	Gas Chromatography/ Mass Spectrometry
IS	Internal Standard
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MDA	Minimum Detectable Activity
MS (BS)	Matrix Spike (Blank Spike)
MSD (BSD)	Matrix Spike Duplicate (Blank Spike Duplicate)
MW	Molecular Weight
NA	Not Applicable or Not Available
NAD	Normalized Absolute Difference
NC	Not Calculated
NR	Not Requested/Not Reported
NS	Not Spiked
% D	Percent Difference
% REC	Percent Recovery
SOP	Standard Operating Procedure
ppbv	parts per billion by volume
ppm	parts per million
pptv	parts per trillion by volume
PQL	Practical Quantitation Limit
QA/QC	Quality Assurance/Quality Control
QL	Quantitation Limit
REAC	Response Engineering and Analytical Contract
RL	Reporting Limit
RPD	Relative Percent Difference
RSD	Relative Standard Deviation
SIM	Selected Ion Monitoring
Sur	Surrogate
TIC	Tentatively Identified Compound
TCLP	Toxicity Characteristic Leaching Procedure
VOC	Volatile Organic Compound
*	Value exceeds the acceptable QC limits.

m^3	cubic meter	g	gram	kg	kilogram	L	liter
µg	microgram	µL	microliter	mg	milligram	mL	milliliter
ng	nanogram	pg	picogram	pCi	picocurie	s	sigma

Data Validation Flags

J	Value is estimated	R	Value is unusable
J+	Value is estimated high (metals only)	U	Not detected
J-	Value is estimated low (metals only)	UJ	Not detected and RL is estimated

Rev. 02/05/08

R2-0002180

Table 1.1 Results of the Analysis for Metals in Tissue
WA # 356 Laurence Harbor Site
Results are Based on Dry Weight

Method : SW846 6020

Sample Number	10/1/2008	356-0023	356-0024	356-0025	356-0026
Sample Location	Method Blank	RM-1	RM-2	RM-3	RM-4
Percent Solids	--	8.7	9.0	13	8.6

	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Analyte	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Aluminum	U	30	U J	70	U J	62	48 J	42	U J	64
Antimony	U	0.10	U	0.23	0.24	0.21	0.23	0.14	U	0.21
Arsenic	U	0.50	7.7	1.2	7.6	1.0	6.1	0.69	7.7	1.1
Barium	U	0.10	0.60 J+	0.23	0.66 J+	0.21	0.46 J+	0.14	0.48 J+	0.21
Beryllium	U	0.10	U	0.23	U	0.21	U	0.14	U	0.21
Cadmium	U	0.10	0.83	0.23	0.94	0.21	0.48	0.14	0.74	0.21
Chromium	U	0.30	2.3	0.70	2.0	0.62	1.8	0.42	2.1	0.64
Cobalt	U	0.10	0.28	0.23	0.31	0.21	0.22	0.14	0.31	0.21
Copper	0.63	0.10	14 J+	0.23	16 J+	0.21	10	0.14	14 J+	0.21
Lead	0.12	0.10	3.0	0.23	5.1	0.21	3.3	0.14	4.0	0.21
Manganese	U	0.10	5.3 J+	0.23	4.7 J+	0.21	4.4 J+	0.14	6.3 J+	0.21
Nickel	U	0.10	0.54 J+	0.23	0.63 J+	0.21	0.57 J+	0.14	0.62 J+	0.21
Selenium	U	0.50	2.6	1.2	2.4	1.0	1.4	0.69	2.4	1.1
Silver	U	0.10	0.76	0.23	0.71	0.21	0.38	0.14	0.52	0.21
Thallium	U	0.20	U	0.46	U	0.41	U	0.28	U	0.43
Tin	U	10	U	23	U	21	U	14	U	21
Vanadium	U	0.50	U	1.2	1.8	1.0	1.2	0.69	U	1.1
Zinc	U	1.0	57	2.3	64	2.1	41	1.4	57	2.1

Table 1.1 (cont) Results of the Analysis for Metals in Tissue
WA # 356 Laurence Harbor Site
Results are Based on Dry Weight

Method : SW846 6020

Sample Number	356-0027	356-0028	356-0029	356-0030	356-0031
Sample Location	RM-5	RM-6	Mya-1	Mya-2	Mya-3
Percent Solids	10	9.4	12	13	12

	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Analyte	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Aluminum	U J	58	U J	62	U J	45	230 J	81	220 J	48
Antimony	U	0.19	0.25	0.21	U	0.15	0.40	0.27	0.37	0.16
Arsenic	7.7	0.96	9.5	1	1.4	0.75	7.6	1.4	6.4	0.8
Barium	0.41 J+	0.19	0.50 J+	0.21	0.75 J+	0.15	3.8 J+	0.27	2.9 J+	0.16
Beryllium	U	0.19	U	0.21	U	0.15	U	0.27	U	0.16
Cadmium	0.58	0.19	0.40	0.21	U	0.15	U	0.27	0.33	0.16
Chromium	1.3	0.58	1.6	0.62	0.67	0.45	1.6	0.81	1.6	0.48
Cobalt	0.28	0.19	0.29	0.21	U	0.15	0.44	0.27	1.0	0.16
Copper	12 J+	0.19	14 J+	0.21	8.5 J+	0.15	21	0.27	22	0.16
Lead	6.0	0.19	8.6	0.21	3.4	0.15	15	0.27	17	0.16
Manganese	5.0 J+	0.19	7.1 J+	0.21	4.3 J+	0.15	30	0.27	130	0.16
Nickel	0.45 J+	0.19	0.54 J+	0.21	0.36 J+	0.15	1.3 J+	0.27	1.3 J+	0.16
Selenium	2.5	0.96	2.6	1	U	0.75	2.3	1.4	1.6	0.80
Silver	0.48	0.19	0.38	0.21	U	0.15	0.38	0.27	0.70	0.16
Thallium	U	0.38	U	0.42	U	0.3	U	0.54	U	0.32
Tin	U	19	U	21	U	15	U	27	U	16
Vanadium	U	0.96	1.1	1	U	0.75	2.4	1.4	2.7	0.80
Zinc	53	1.9	59	2.1	21	1.5	94	2.7	96	1.6

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Table 1.1 (cont) Results of the Analysis for Metals in Tissue
WA # 356 Laurence Harbor Site
Results are Based on Dry Weight

Method : SW846 6020

Sample Number	356-0032	356-0033	356-0034	356-0035	356-0036
Sample Location	Mya-4	Mya-5	Mer-1	Mer-2	Mer-3
Percent Solids	15	13	17	17	16

Analyte	Result mg/Kg	RL mg/Kg	Result mg/Kg	RL mg/Kg	Result mg/Kg	RL mg/Kg	Result mg/Kg	RL mg/Kg	Result mg/Kg	RL mg/Kg
Aluminum	200 J	36	190 J	40	U J	34	U J	32	U J	31
Antimony	1.2	0.12	0.33	0.13	U	0.11	U	0.11	U	0.10
Arsenic	7.3	0.59	7.2	0.66	5.1	0.57	5.9	0.53	9.8	0.52
Barium	3.3 J+	0.12	3.3 J	0.13	0.66 J+	0.11	0.66 J+	0.11	0.71 J+	0.10
Beryllium	U	0.12	U	0.13	U	0.11	U	0.11	U	0.10
Cadmium	0.14	0.12	0.14	0.13	0.82	0.11	1.0	0.11	0.96	0.10
Chromium	3.1	0.36	1.5	0.40	1.8	0.34	1.6	0.32	1.2	0.31
Cobalt	0.41	0.12	0.44	0.13	0.34	0.11	0.33	0.11	0.79	0.10
Copper	31	0.12	24	0.13	14	0.11	11	0.11	14.3	0.10
Lead	16	0.12	14	0.13	1.7	0.11	2.9	0.11	3.1	0.10
Manganese	20	0.12	21	0.13	52	0.11	200	0.11	120	0.10
Nickel	1.4 J+	0.12	1.7 J+	0.13	1.4 J+	0.11	0.95 J+	0.11	1.6 J+	0.10
Selenium	2.0	0.59	2.3	0.66	0.97	0.57	1.3	0.53	1.4	0.52
Silver	0.50	0.12	0.52	0.13	0.19	0.11	0.26	0.11	2.1	0.10
Thallium	U	0.24	U	0.26	U	0.23	U	0.21	U	0.21
Tin	U	12	U	13	U	11	U	11	U	10
Vanadium	2.0	0.59	1.9	0.66	U	0.57	U	0.53	0.55	0.52
Zinc	86	1.2	94	1.3	69	1.1	93	1.1	120	1.0

Table 1.1 (cont) Results of the Analysis for Metals in Tissue
WA # 356 Laurence Harbor Site
Results are Based on Dry Weight

Method : SW846 6020

Sample Number	356-0037	356-0038	356-0039	356-0040	356-0041
Sample Location	FF-1	FF-2	FF-3	FF-4	FF-5
Percent Solids	26	26	27	26	25

Analyte	Result mg/Kg	RL mg/Kg	Result mg/Kg	RL mg/Kg	Result mg/Kg	RL mg/Kg	Result mg/Kg	RL mg/Kg	Result mg/Kg	RL mg/Kg
Aluminum	U J	52	U J	57	U J	48	U J	50	U J	87
Antimony	U	0.17	U	0.19	U	0.16	U	0.17	U	0.29
Arsenic	3.6	0.86	3.5	0.95	3.5	0.80	3.8	0.84	3.7	1.4
Barium	5.1 J+	0.17	5.9 J+	0.19	3.2 J+	0.16	5.7 J+	0.17	4.7 J+	0.29
Beryllium	U	0.17	U	0.19	U	0.16	U	0.17	U	0.29
Cadmium	U	0.17	U	0.19	U	0.16	U	0.17	U	0.29
Chromium	1.0	0.52	1.0	0.57	0.98	0.48	1.1	0.50	1.3	0.87
Cobalt	U	0.17	U	0.19	U	0.16	U	0.17	U	0.29
Copper	5.0 J+	0.17	4.8 J+	0.19	5.9 J+	0.16	6.1 J+	0.17	5.0 J+	0.29
Lead	0.52 J+	0.17	0.92 J+	0.19	0.49 J+	0.16	0.49 J+	0.17	0.52 J+	0.29
Manganese	13	0.17	18	0.19	14	0.16	17	0.17	15	0.29
Nickel	0.34 J+	0.17	0.39 J+	0.19	0.33 J+	0.16	0.39 J+	0.17	0.38 J+	0.29
Selenium	1.8	0.86	2.0	0.95	1.8	0.80	2.1	0.84	1.8	1.4
Silver	U	0.17	U	0.19	U	0.16	U	0.17	U	0.29
Thallium	U	0.34	U	0.38	U	0.32	U	0.34	U	0.58
Tin	U	17	U	19	U	16	U	17	U	29
Vanadium	1.1	0.86	1.2	0.95	0.88	0.8	1.1	0.84	U	1.4
Zinc	80	1.7	93	1.9	79	1.6	93	1.7	87	2.9

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Table 1.1 (cont) Results of the Analysis for Metals in Tissue
WA # 356 Laurence Harbor Site
Results are Based on Dry Weight

Method : SW846 6020

Sample Number	10/2/2008	356-0042	356-0043	356-0044	356-0045
Sample Location	Method Blank	Ulva-1	Ulva-2	Ulva-3	Ulva-4
Percent Solids	--	19	18	16	18

Analyte	Result mg/Kg	RL mg/Kg	Result mg/Kg	RL mg/Kg	Result mg/Kg	RL mg/Kg	Result mg/Kg	RL mg/Kg	Result mg/Kg	RL mg/Kg
Aluminum	U	30	680 J+	56	480 J+	69	610 J+	55	740 J+	60
Antimony	U	0.10	0.23	0.19	0.60	0.23	0.54	0.18	0.57	0.20
Arsenic	U	0.50	4.7	0.94	15	1.2	10	0.91	12	1.0
Barium	U	0.10	2.2 J+	0.19	5.2 J+	0.23	4.1 J+	0.18	4.3 J+	0.20
Beryllium	U	0.10	U	0.19	U	0.23	U	0.18	U	0.20
Cadmium	U	0.10	U	0.19	U	0.23	U	0.18	U	0.20
Chromium	U	0.30	5.0	0.56	2.6	0.69	2.8	0.55	4.6	0.60
Cobalt	U	0.10	0.73	0.19	0.97	0.23	1.1	0.18	1.2	0.20
Copper	0.76 J+	0.10	12 J+	0.19	9.7 J+	0.23	11 J+	0.18	12 J+	0.20
Lead	U	0.10	24	0.19	56	0.23	66	0.18	69	0.20
Manganese	0.11 J+	0.10	120 J-	0.19	230 J-	0.23	250 J-	0.18	280 J-	0.20
Nickel	U	0.10	2.6 J+	0.19	4.0 J+	0.23	4.7 J+	0.18	3.4 J+	0.20
Selenium	U	0.50	U	0.94	U	1.2	U	0.91	U	1.0
Silver	U	0.10	U	0.19	U	0.23	U	0.18	U	0.20
Thallium	U	0.20	U	0.38	U	0.46	U	0.36	U	0.40
Tin	U	10	U	19	U	23	U	18	U	20
Vanadium	U	0.50	12	0.94	20	1.2	13	0.91	23	1.0
Zinc	U	1.0	32	1.9	51	2.3	41	1.8	51	2.0

Table 1.1 (cont) Results of the Analysis for Metals in Tissue
WA # 356 Laurence Harbor Site
Results are Based on Dry Weight

Method : SW846 6020

Sample Number	356-0046	9/29/2008	CO2 BLANK
Sample Location	Ulva-5	Method Blank	CO2 BLANK
Percent Solids	17	--	--

Analyte	Result mg/Kg	RL mg/Kg	Result ug/L	RL ug/L	Result ug/L	RL ug/L
Aluminum	770 J+	62	U	300	U	300
Antimony	0.75	0.21	U	1.0	U	1.0
Arsenic	6.3	1.0	U	5.0	U	5.0
Barium	3.0 J+	0.21	U	1.0	1.7	1.0
Beryllium	U	0.21	U	1.0	U	1.0
Cadmium	U	0.21	U	1.0	U	1.0
Chromium	3.4	0.62	U	3.0	U	3.0
Cobalt	1.2	0.21	U	1.0	U	1.0
Copper	13 J+	0.21	U	1.0	2.0 J+	1.0
Lead	80	0.21	U	1.0	U	1.0
Manganese	280 J-	0.21	U	1.0	1.3 J+	1.0
Nickel	3.6 J+	0.21	U	1.0	1.2	1.0
Selenium	U	1.0	U	5.0	U	5.0
Silver	U	0.21	U	1.0	U	1.0
Thallium	U	0.41	U	2.0	U	2.0
Tin	U	21	U	100	U	100
Vanadium	7.4	1.0	U	5.0	U	5.0
Zinc	38	2.1	U	10	U	10

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Table 1.2 Result of the Analysis for Metals in Sediment
WA # 356 Laurence Harbor Site
Results are Based on Dry Weight

Method : SW846 6020

Sample Number	9/30/2008	356-0011	356-0012	356-0013	356-0014
Sample Location	Method Blank	SS-RM1	SS-RM2	SS-RM3	SS-RM4
Percent Solids	--	78	78	80	72

Analyte	Result mg/Kg	RL mg/Kg	Result mg/Kg	RL mg/Kg	Result mg/Kg	RL mg/Kg	Result mg/Kg	RL mg/Kg	Result mg/Kg	RL mg/Kg
Aluminum	U	30	1400	33	1000	28	1500	27	1300	23
Antimony	U	0.10	0.22	0.11	0.31	0.095	0.49	0.089	1.5	0.077
Arsenic	U	0.50	5.6 J	0.56	6.1 J	0.47	8.5 J	0.44	6.9 J	0.38
Barium	U	0.10	2.8 J+	0.11	1.7 J+	0.095	2.4 J+	0.089	6.8	0.077
Beryllium	U	0.10	0.14	0.11	0.18	0.095	0.31	0.089	0.16	0.077
Cadmium	U	0.10	0.14	0.11	U	0.095	0.22	0.089	0.13	0.077
Chromium	U	0.30	9.0	0.33	9.5	0.28	21	0.27	7.7	0.23
Cobalt	U	0.10	0.60	0.11	1.5	0.095	0.92	0.089	0.93	0.077
Copper	U	1.0	4.4 J+	1.1	9.9 J+	0.95	15	0.89	11	0.77
Lead	U	0.10	12	0.11	16	0.095	19	0.089	94	0.077
Manganese	0.11	0.10	22 J	0.11	44 J	0.095	48 J	0.089	28 J	0.077
Nickel	U	0.10	1.6 J+	0.11	3.0	0.095	2.6	0.089	2.3 J+	0.077
Selenium	U	0.50	U	0.56	U	0.47	U	0.44	U	0.38
Silver	U	0.10	U	0.11	U	0.095	U	0.089	0.080	0.077
Thallium	U	0.20	U	0.22	U	0.19	U	0.18	U	0.15
Tin	U	10	U J	11	U J	9.5	U J	8.9	8.0 J	7.7
Vanadium	U	0.50	26	0.56	21	0.47	38	0.44	17	0.38
Zinc	U	1.0	25	1.1	31	0.95	33	0.89	40	0.77

Table 1.2 (cont) Result of the Analysis for Metals in Sediment
WA # 356 Laurence Harbor Site
Results are Based on Dry Weight

Method : SW846 6020

Sample Number	356-0015	356-0016	356-0017	356-0018	356-0019
Sample Location	SS-RM5	SS-RM6	SS-MM1	SS-MM2	SS-MM3
Percent Solids	72	79	71	77	67

Analyte	Result mg/Kg	RL mg/Kg	Result mg/Kg	RL mg/Kg	Result mg/Kg	RL mg/Kg	Result mg/Kg	RL mg/Kg	Result mg/Kg	RL mg/Kg
Aluminum	2900	62	4200	30	1600	26	3000	30	2700	41
Antimony	6.1	0.10	1.6	0.099	1.1	0.087	0.84	0.10	1.2	0.14
Arsenic	13 J	0.51	29 J	0.50	9.4 J	0.43	15 J	0.50	5.4 J	0.68
Barium	8.9	0.10	5.5	0.099	4.3 J+	0.087	4.0 J+	0.10	5.5	0.14
Beryllium	0.29	0.10	0.66	0.099	0.25	0.087	0.74	0.10	0.22	0.14
Cadmium	U	0.10	0.33	0.099	0.34	0.087	0.15	0.10	0.42	0.14
Chromium	18	0.31	46	0.30	15	0.26	37	0.30	14	0.41
Cobalt	2.3	0.10	3.8	0.099	1.5	0.087	1.9	0.10	0.78	0.14
Copper	22	1.0	17	0.99	13	0.87	11	1.0	31	1.4
Lead	660	0.20	93	0.099	47	0.087	29	0.10	83	0.14
Manganese	260 J	0.10	99 J	0.099	29 J	0.087	56 J	0.10	19 J	0.14
Nickel	5.8	0.10	8.5	0.099	5.0	0.087	6.6	0.10	2.9	0.14
Selenium	U	0.51	U	0.50	U	0.43	U	0.50	U	0.68
Silver	0.19	0.10	0.12	0.099	0.13	0.087	U	0.10	1.1	0.14
Thallium	U	0.20	U	0.20	U	0.17	U	0.20	U	0.27
Tin	18 J	10	U J	9.9	8.7 J	8.7	U J	10	U J	14
Vanadium	29	0.51	76	0.50	29	0.43	84	0.50	36	0.68
Zinc	57	1.0	91	0.99	68	0.87	91	1.0	53	1.4

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Table 1.2 (cont) Result of the Analysis for Metals in Sediment
WA # 356 Laurence Harbor Site
Results are Based on Dry Weight

Method : SW846 6020

Sample Number	356-0020	356-0021	356-0022
Sample Location	SS-MM4	SS-MM5	Sediment Blank
Percent Solids	69	71	100

Analyte	Result mg/Kg	RL mg/Kg	Result mg/Kg	RL mg/Kg	Result mg/Kg	RL mg/Kg
Aluminum	3000	30	2000	26	86	28
Antimony	0.42	0.099	0.47	0.087	U	0.093
Arsenic	12 J	0.50	7.4 J	0.44	U J	0.46
Barium	5.0	0.099	3.4 J+	0.087	0.44	0.093
Beryllium	0.46	0.099	0.33	0.087	U	0.093
Cadmium	0.17	0.099	0.13	0.087	U	0.093
Chromium	44	0.30	11	0.26	0.61	0.28
Cobalt	1.7	0.099	1.2	0.087	U	0.093
Copper	9.4 J+	0.99	7.4 J+	0.87	1.0	0.93
Lead	26	0.099	24	0.087	0.26	0.093
Manganese	55 J	0.099	32 J	0.087	3.8 J	0.093
Nickel	4.9	0.099	2.8	0.087	0.26	0.093
Selenium	U	0.50	U	0.44	U	0.46
Silver	U	0.099	U	0.087	U	0.093
Thallium	U	0.20	U	0.17	U	0.18
Tin	U J	9.9	U J	8.7	U J	9.3
Vanadium	73	0.50	28	0.44	U	0.46
Zinc	56	0.99	44	0.87	U	0.93

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Table 1.3 Result of the Analysis for Metals in Water
WA # 356 Laurence Harbor Site

Method : SW846 6020

Sample Number	9/29/2008		356-0047		356-0053		356-0054		356-0055	
Sample Location	Method Blank		PW-A1 (Total/Unfiltered)		PW-A2 (Filtered)		PW-B1 (Total/Unfiltered)		PW-B2 (Filtered)	
Analyte	Result ug/L	RL ug/L	Result ug/L	RL ug/L	Result ug/L	RL ug/L	Result ug/L	RL ug/L	Result ug/L	RL ug/L
Aluminum	U	300	U	1200	U	600	U	600	U	600
Antimony	U	1.0	U	4.0	U	2.0	U	2.0	U	2.0
Arsenic	U	5.0	U	20	11	10	19	10	23	10
Barium	U	1.0	46	4.0	43	2.0	25	2.0	24	2.0
Beryllium	U	1.0	U	8.0	U	4.0	U	4.0	U	2.0
Cadmium	U	1.0	U	4.0	U	2.0	U	2.0	U	2.0
Chromium	U	3.0	U	12	U	6.0	7.6	6.0	6.6	6.0
Cobalt	U	1.0	U	4.0	U	2.0	U	2.0	U	2.0
Copper	U	10	U	80	U	40	U	40	U	20
Lead	U	1.0	U	8.0	U	4.0	10	4.0	U	2.0
Manganese	U	1.0	810	4.0	840	2.0	540	2.0	530	2.0
Nickel	U	1.0	9.6	4.0	7.3	2.0	6.9	2.0	4.9	2.0
Selenium	U	5.0	U	40	U	25	U	20	U	10
Silver	U	1.0	U	4.0	U	2.0	U	2.0	U	2.0
Thallium	U	2.0	U	8.0	U	4.0	U	4.0	U	4.0
Tin	U	100	U	400	U	200	U	200	U	200
Vanadium	U	5.0	U	20	U	10	U	10	U	10
Zinc	U	10	U	40	U	20	U	20	U	20

Table 1.3 (cont) Result of the Analysis for Metals in Water
WA # 356 Laurence Harbor Site

Method : SW846 6020

Sample Number	356-0056		356-0057		356-0058		356-0059		356-0060	
Sample Location	PW-C1 (Total/Unfiltered)		PW-C2 (Filtered)		PW-D1 (Total/Unfiltered)		PW-D2 (Filtered)		PW-E1 (Total/Unfiltered)	
Analyte	Result ug/L	RL ug/L	Result ug/L	RL ug/L	Result ug/L	RL ug/L	Result ug/L	RL ug/L	Result ug/L	RL ug/L
Aluminum	U	600	U	600	1900	600	U	600	U	600
Antimony	56	2.0	19	2.0	270	2.0	130	2.0	9.7	2.0
Arsenic	71	10	41	10	230	10	86	10	39	10
Barium	39	2.0	35	2.0	47	2.0	34	2.0	26	2.0
Beryllium	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0
Cadmium	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0
Chromium	9.8	6.0	6.6	6.0	17	6.0	7.1	6.0	7.9	6.0
Cobalt	3.2	2.0	2.0	2.0	7.4	2.0	U	2.0	3.3	2.0
Copper	U	40	U	20	91	40	U	40	U	40
Lead	1500	4.0	U	2.0	2400	4.0	170	4.0	160	4.0
Manganese	1800	2.0	1800	2.0	1300	2.0	1100	2.0	2300	2.0
Nickel	10	2.0	6.1	2.0	33	2.0	11	2.0	5.8	2.0
Selenium	U	25	U	10	U	50	U	10	U	20
Silver	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0
Thallium	U	4.0	U	4.0	U	4.0	U	4.0	U	4.0
Tin	U	200	U	200	U	200	U	200	U	200
Vanadium	11	10	U	10	21	10	12	10	U	10
Zinc	27	20	U	20	150	20	U	20	U	20

R2-0002186

Table 1.3 (cont) Result of the Analysis for Metals in Water
WA # 356 Laurence Harbor Site

Method : SW846 6020

Sample Number 356-0061
Sample Location PW-E2 (Filtered)

Analyte	Result ug/L	RL ug/L
Aluminum	U	600
Antimony	4.0	2.0
Arsenic	29	10
Barium	25	2.0
Beryllium	U	2.0
Cadmium	U	2.0
Chromium	6.4	6.0
Cobalt	3.1	2.0
Copper	U	20
Lead	U	2.0
Manganese	2200	2.0
Nickel	5.5	2.0
Selenium	U	10
Silver	U	2.0
Thallium	U	4.0
Tin	U	200
Vanadium	U	10
Zinc	U	20

R2-0002187

Table 2.1 Results of the MS/MSD Analysis for Metals in Tissue
WA # 356 Laurence Harbor Site
Results are Based on Dry Weight

Sample Number: 356-0023

Analyte	Sample Conc mg/kg	MS Spike Added mg/kg	MS Conc mg/kg	MS % Recovery		MSD Spike Added mg/kg	MSD Conc mg/kg	MSD % Recovery		RPD	QC Limits % Recovery	QC Limits RPD
Aluminum	44	460	480	95		440	480	99		2	75.0-125	20
Antimony	0.14	120	100	88		110	96	88		5	75.0-125	20
Arsenic	7.7	120	110	90		110	100	88		7	75.0-125	20
Barium	0.60	460	420	91		440	380	87		10	75.0-125	20
Beryllium	U	12	10	89		11	10	91		3	75.0-125	20
Cadmium	0.83	58	53	90		55	49	88		8	75.0-125	20
Chromium	2.3	46	44	89		44	40	87		8	75.0-125	20
Cobalt	0.28	120	100	90		110	98	89		7	75.0-125	20
Copper	14	58	67	91		55	62	87		8	75.0-125	20
Lead	3.0	120	110	90		110	100	89		6	75.0-125	20
Manganese	5.3	120	110	89		110	100	87		8	75.0-125	20
Nickel	0.54	120	104	89		110	98	89		6	75.0-125	20
Selenium	2.6	120	110	89		110	97	87		8	75.0-125	20
Silver	0.76	12	11	89		11	10	85		9	75.0-125	20
Thallium	U	120	100	88		110	94	86		7	75.0-125	20
Tin	7.3	120	110	87		110	100	87		5	75.0-125	20
Vanadium	0.79	120	110	91		110	99	89		8	75.0-125	20
Zinc	57	120	160	87		110	150	84		6	75.0-125	20

Sample Number: 356-0043

Analyte	Sample Conc mg/kg	MS Spike Added mg/kg	MS Conc mg/kg	MS % Recovery		MSD Spike Added mg/kg	MSD Conc mg/kg	MSD % Recovery		RPD	QC Limits % Recovery	QC Limits RPD
Aluminum	480	470	1200	165	*	470	1300	177	*	5	75.0-125	20
Antimony	0.60	120	110	94		120	110	93		1	75.0-125	20
Arsenic	15	120	120	93		120	120	92		0	75.0-125	20
Barium	5.2	470	450	94		470	450	95		1	75.0-125	20
Beryllium	U	12	12	103		12	12	101		0	75.0-125	20
Cadmium	U	58	56	96		59	57	96		1	75.0-125	20
Chromium	2.6	47	46	92		47	45	90		1	75.0-125	20
Cobalt	0.97	120	110	93		120	110	92		0	75.0-125	20
Copper	9.7	58	69	101		59	72	105		5	75.0-125	20
Lead	56	120	160	88		120	160	89		2	75.0-125	20
Manganese	230	120	310	72	*	120	380	124		18	75.0-125	20
Nickel	4.0	120	110	94		120	110	92		0	75.0-125	20
Selenium	U	120	110	93		120	110	93		2	75.0-125	20
Silver	U	12	11	96		12	11	94		1	75.0-125	20
Thallium	U	120	110	92		120	110	92		1	75.0-125	20
Tin	U	120	120	107		120	120	105		0	75.0-125	20
Vanadium	20	120	130	91		120	130	90		0	75.0-125	20
Zinc	51	120	160	90		120	160	89		0	75.0-125	20

R2-0002188

Table 2.2 Results of the MS/MSD Analysis for Metals in Sediment
WA # 356 Laurence Harbor Site
Results are Based on Dry Weight

Sample Number: 356-0011

Analyte	Sample Conc mg/kg	MS Spike Added mg/kg	MS Conc mg/kg	MS % Recovery		MSD Spike Added mg/kg	MSD Conc mg/kg	MSD % Recovery	RPD		QC Limits % Recovery	QC Limits RPD
Aluminum	1400	220	2400	NC		220	2500	NC	4		75-125	20
Antimony	0.23	54	45	82		55	46	83	2		75-125	20
Arsenic	5.6	54	59	98		55	56	93	4		75-125	20
Barium	2.8	220	210	94		220	210	93	0		75-125	20
Beryllium	0.14	5.4	5.1	91		5.5	5.2	92	2		75-125	20
Cadmium	0.14	27	26	93		27	25	91	2		75-125	20
Chromium	9.0	22	34	115		22	33	109	4		75-125	20
Cobalt	0.60	54	53	97		55	54	97	1		75-125	20
Copper	4.4	27	30	94		27	30	94	1		75-125	20
Lead	12	54	72	110		55	61	90	16		75-125	20
Manganese	22	54	82	110		55	100	145	* 22	*	75-125	20
Nickel	1.6	54	54	97		55	55	98	2		75-125	20
Selenium	U	54	51	94		55	50	91	2		75-125	20
Silver	U	5.4	5.1	93		5.5	5.1	92	1		75-125	20
Thallium	U	54	52	96		55	51	93	2		75-125	20
Tin	U	54	73	128	*	55	58	99	24	*	75-125	20
Vanadium	26	54	84	107		55	72	85	15		75-125	20
Zinc	25	54	75	93		55	78	97	3		75-125	20

R2-0002189

Table 2.3 Results of the MS Analysis for Metals in Water
WA # 356 Laurence Harbor Site

Sample Number: 356-0047

Analyte	Sample Conc µg/L	MS Spike Added µg/L	MS Conc µg/L	MS % Recovery	QC Limits % Recovery
Aluminum	U	2000	2400	106	75-125
Antimony	U	500	500	99	75-125
Arsenic	U	500	500	98	75-125
Barium	46	2000	1900	94	75-125
Beryllium	U	50	43	86	75-125
Cadmium	U	250	210	84	75-125
Chromium	U	200	190	92	75-125
Cobalt	U	500	450	89	75-125
Copper	U	250	230	90	75-125
Lead	U	500	490	97	75-125
Manganese	810	500	1200	80	75-125
Nickel	9.6	500	440	85	75-125
Selenium	U	500	430	86	75-125
Silver	U	50	42	83	75-125
Thallium	U	500	490	98	75-125
Tin	U	500	520	103	75-125
Vanadium	U	500	500	98	75-125
Zinc	U	500	430	81	75-125

R2-0002190

Table 2.4 Results of the LCS Analysis for Metals in Tissue
WA # 356 Laurence Harbor Site
Results are Based on Dry Weight

Date Analyzed 10/1/08

Analyte	LCS Spike Added mg/kg	LCS Conc mg/kg	% Recovery	QC Limits % Recovery
Aluminum	20	22	109	80-120
Antimony	5.0	4.7	95	80-120
Arsenic	5.0	4.8	95	80-120
Barium	20	19	95	80-120
Beryllium	0.5	0.45	90	80-120
Cadmium	2.5	2.4	95	80-120
Chromium	2.0	1.9	95	80-120
Cobalt	5.0	4.7	94	80-120
Copper	2.5	2.4	97	80-120
Lead	5.0	4.7	94	80-120
Manganese	5.0	4.6	92	80-120
Nickel	5.0	4.8	95	80-120
Selenium	5.0	4.7	94	80-120
Silver	0.5	0.48	96	80-120
Thallium	5.0	4.6	91	80-120
Tin	5.0	5.1	103	80-120
Vanadium	5.0	4.7	94	80-120
Zinc	5.0	4.8	96	80-120

Date Analyzed 10/2/08

Analyte	LCS Spike Added mg/kg	LCS Conc mg/kg	% Recovery	QC Limits % Recovery
Aluminum	20	21	105	80-120
Antimony	5.0	4.8	97	80-120
Arsenic	5.0	4.7	94	80-120
Barium	20	19	95	80-120
Beryllium	0.5	0.51	101	80-120
Cadmium	2.5	2.4	95	80-120
Chromium	2.0	1.8	92	80-120
Cobalt	5.0	4.6	93	80-120
Copper	2.5	2.4	96	80-120
Lead	5.0	4.7	94	80-120
Manganese	5.0	4.6	91	80-120
Nickel	5.0	4.6	93	80-120
Selenium	5.0	4.6	93	80-120
Silver	0.5	0.47	94	80-120
Thallium	5.0	4.6	92	80-120
Tin	5.0	5.3	107	80-120
Vanadium	5.0	4.6	91	80-120
Zinc	5.0	4.7	93	80-120

R2-0002191

Table 2.5 Results of the LCS/LCSD Analysis for Metals in Water
WA # 356 Laurence Harbor Site

Date Analyzed 09/29/08

Analyte	LCS/LCSD Spike Added µg/L	LCS Conc. µg/L	LCS % Recovery	LCSD Conc. µg/L	LCSD % Recovery	%RPD	QC Limits % Recovery	QC Limits %RPD
Aluminum	2000	2200	108	2100	103	4	80-120	20
Antimony	500	530	106	500	100	6	80-120	20
Arsenic	500	520	104	490	98	6	80-120	20
Barium	2000	2000	101	1900	96	5	80-120	20
Beryllium	50	52	105	55	111	6	80-120	20
Cadmium	250	260	106	250	101	4	80-120	20
Chromium	200	190	96	190	93	3	80-120	20
Cobalt	500	490	97	470	94	3	80-120	20
Copper	250	250	100	240	96	4	80-120	20
Lead	500	510	101	480	97	4	80-120	20
Manganese	500	480	96	460	92	5	80-120	20
Nickel	500	490	98	470	94	4	80-120	20
Selenium	500	510	101	480	96	5	80-120	20
Silver	50	51	102	49	98	4	80-120	20
Thallium	500	480	97	470	95	3	80-120	20
Tin	500	560	112	530	106	6	80-120	20
Vanadium	500	470	95	460	92	3	80-120	20
Zinc	500	490	99	480	95	4	80-120	20

R2-0002192

Table 2.6 Results of the LCS Analysis for Metals in Sediment
WA # 356 Laurence Harbor Site
Results are Based on Dry Weight

Date Analyzed 09/30/08

Analyte	LCS Spike Added mg/kg	LCS Conc mg/kg	% Recovery	QC Limits % Recovery
Aluminum	7900	9700	123	59-141
Antimony	71	52	74	0-211
Arsenic	290	270	93	81-119
Barium	210	200	95	82-117
Beryllium	54	51	93	83-117
Cadmium	100	93	93	82-118
Chromium	220	240	109	80-120
Cobalt	100	100	100	82-118
Copper	88	84	95	83-117
Lead	160	140	88	82-118
Manganese	420	420	100	82-118
Nickel	120	120	100	83-118
Selenium	130	120	92	78-122
Silver	100	100	100	66-134
Thallium	94	90	96	77-122
Tin	150	160	107	70-130
Vanadium	110	120	109	77-123
Zinc	270	260	96	79-121

R2-0002193

Table 2.7 Results of the Duplicate Analysis for Metals in Water
WA # 356 Laurence Harbor Site

Sample Number: 356-0054

Analyte	Initial Analysis µg/L	Duplicate Analysis µg/L	RPD	QC Limits % RPD
Aluminum	U	U	NC	20
Antimony	U	U	NC	20
Arsenic	19	22	14	20
Barium	25	26	6	20
Beryllium	U	U	NC	20
Cadmium	U	U	NC	20
Chromium	7.6	8.2	8	20
Cobalt	U	U	NC	20
Copper	U	U	NC	20
Lead	10	10	1	20
Manganese	540	550	1	20
Nickel	6.9	6.7	3	20
Selenium	U	U	NC	20
Silver	U	U	NC	20
Thallium	U	U	NC	20
Tin	U	U	NC	20
Vanadium	U	U	NC	20
Zinc	U	U	NC	20

R2-0002194

From: Lyons, Larry A
Sent: Friday, September 26, 2008 12:40 PM
To: 'Andrea Colby'
Cc: Johnson, John M; Wentz, Erica L
Subject: RE: Project 0356 TCLP Metals
Andrea,

The 10 samples that were marked for TCLP analyses have been cancelled. Would you please ship those samples back to us next week. The samples are identified as follows:

356-0006
356-0007
356-0008
356-0009
356- 0010
356-0048
356-0049
356-0050
356-0051
356-0052

Thank you,

Larry A. Lyons
Lockheed Martin/REAC
4890 Woodbridge Ave.
Bldg 209 Annex
Edison, NJ 08037

Phone: 732-494-4075

From: Johnson, John M
Sent: Friday, September 26, 2008 8:21 AM
To: Andrea Colby
Cc: Lyons, Larry A
Subject: RE: Project 0356 TCLP Metals

Yes, your only doing the 18 metals that was on the original bid list.

From: Andrea Colby [mailto:acolby@katahdinlab.com]
Sent: Thursday, September 25, 2008 4:39 PM
To: Johnson, John M
Subject: RE: Project 0356 TCLP Metals

Hi John,
The COC is marked for TAL metals plus tin. Please confirm we are only doing the 18 metals in the bid request.
Thanks,
Andrea

From: Johnson, John M [mailto:john.m.johnson@lmco.com]
Sent: Thursday, September 25, 2008 8:13 AM
To: acolby@katahdinlab.com
Cc: Lyons, Larry A; Wentz, Erica L
Subject: Project 0356 TCLP Metals

Andrea please do not analyze the samples marked for TCLP analysis that you should receive today on COC 356-09/24/08-0009. Please just hold for further instructions.

SB5322

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0356-DAR-110308

REAC, Edison, NJ

Laurence Harbor Site

CHAIN OF CUSTODY RECORD

Site #: 356

Contact Name: Larry Lyons

Contact Phone: (732)494-4075

No: 356-09/15/08-0003

Lab: Katahdrin Analytical

Lab #	Sample #	Location	Analyses	Matrix	Collected	Numb Cont	Container	Preservative	MS/MSD
	356-0023	RM-1	TAL Metals plus Sn, % Solids	Tissue	9/10/2008	1	8 oz. glass jar	-20 C/Dry Ice	*
	356-0024	RM-2	TAL Metals plus Sn, % Solids	Tissue	9/10/2008	1	8 oz. glass jar	-20 C/Dry Ice	
	356-0025	RM-3	TAL Metals plus Sn, % Solids	Tissue	9/10/2008	1	8 oz. glass jar	-20 C/Dry Ice	
	356-0026	RM-4	TAL Metals plus Sn, % Solids	Tissue	9/10/2008	1	8 oz. glass jar	-20 C/Dry Ice	
	356-0027	RM-5	TAL Metals plus Sn, % Solids	Tissue	9/10/2008	1	8 oz. glass jar	-20 C/Dry Ice	
	356-0028	RM-6	TAL Metals plus Sn, % Solids	Tissue	9/10/2008	1	8 oz. glass jar	-20 C/Dry Ice	

019

Special Instructions: * Lab chooses sample for MS/MSD analysis; All samples to be homogenized

SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
Analyses	L. A Lyons	9/18/08									

000008

R2-0002196

0356-DAR-110308

REAC, Edison, NJ

Laurence Harbor Site

CHAIN OF CUSTODY RECORD

Site #: 356

Contact Name: Larry Lyons

Contact Phone: (732) 494-4075

No: 356-09/15/08-0004

Lab: Katahdrin Analytical

Lab #	Sample #	Location	Analyses	Matrix	Collected	Numb Cont	Container	Preservative	MS/MSD
	356-0029	Mya-1	TAL Metals plus Sn, % Solids	Tissue	9/10/2008	1	4 oz. glass jar	-20 C/Dry Ice	*
	356-0030	Mya-2	TAL Metals plus Sn, % Solids	Tissue	9/10/2008	1	4 oz. glass jar	-20 C/Dry Ice	
	356-0031	Mya-3	TAL Metals plus Sn, % Solids	Tissue	9/10/2008	1	4 oz. glass jar	-20 C/Dry Ice	
	356-0032	Mya-4	TAL Metals plus Sn, % Solids	Tissue	9/10/2008	1	4 oz. glass jar	-20 C/Dry Ice	
	356-0033	Mya-5	TAL Metals plus Sn, % Solids	Tissue	9/10/2008	1	4 oz. glass jar	-20 C/Dry Ice	

020

EW

* Special Instructions: Lab chooses sample for MS/MSD analysis; All samples to be homogenized

SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
Analyses	L. Athyons	9/18/08									

0000009

0356-DAR-110308

REAC, Edison, NJ

Laurence Harbor Site

CHAIN OF CUSTODY RECORD

Site #: 356

Contact Name: Larry Lyons

Contact Phone: (732) 494-4075

No: 356-09/15/08-0005

Lab: Katahdrin Analytical

Lab #	Sample #	Location	Analyses	Matrix	Collected	Numb Cont	Container	Preservative	MS/MSD
	356-0034	Mer-1	TAL Metals plus Sn, % Solids	Tissue	9/11/2008	1	4 oz. glass jar	-20 C/Dry Ice	*
	356-0035	Mer-2	TAL Metals plus Sn, % Solids	Tissue	9/11/2008	1	4 oz. glass jar	-20 C/Dry Ice	↓
	356-0036	Mer-3	TAL Metals plus Sn, % Solids	Tissue	9/11/2008	1	8 oz. glass jar	-20 C/Dry Ice	

021

Special Instructions: * Lab chooses sample for MS/MSD analysis; All samples to be homogenized

SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
Analyses	L.A Lyons	9/18/08									

0100010

0356-DAR-110308

REAC, Edison, NJ

Laurence Harbor Site

CHAIN OF CUSTODY RECORD

Site #: 356

Contact Name: Larry Lyons

Contact Phone: (732) 494-4075

No: 356-09/15/08-0006

Lab: Katahdrin Analytical

Lab #	Sample #	Location	Analyses	Matrix	Collected	Numb Cont	Container	Preservative	MS/MSD
	356-0037	FF-1	TAL Metals plus Sn, % Solids	Tissue	9/10/2008	1	8 oz glass jar	-20 C/Dry Ice	*
	356-0038	FF-2	TAL Metals plus Sn, % Solids	Tissue	9/10/2008	1	8 oz glass jar	-20 C/Dry Ice	
	356-0039	FF-3	TAL Metals plus Sn, % Solids	Tissue	9/10/2008	1	8 oz glass jar	-20 C/Dry Ice	
	356-0040	FF-4	TAL Metals plus Sn, % Solids	Tissue	9/10/2008	1	8 oz glass jar	-20 C/Dry Ice	
	356-0041	FF-5	TAL Metals plus Sn, % Solids	Tissue	9/10/2008	1	8 oz glass jar	-20 C/Dry Ice	

022

Special Instructions: * Lab chooses sample for MS/MSD analysis; All samples to be homogenized

SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
Analyses	L. A. Lyons	9/18/08									

110000

0356-DAR-110308

REAC, Edison, NJ

Laurence Harbor Site

CHAIN OF CUSTODY RECORD

Site #: 356

Contact Name: Larry Lyons

Contact Phone: (732) 494-4075

No: 356-09/15/08-0007

Lab: Katahdrin Analytical

Lab #	Sample #	Location	Analyses	Matrix	Collected	Numb Cont	Container	Preservative	MS/MSD
	356-0042	Ulva-1	TAL Metals plus Sn, % Solids	Plant Tissue	9/10/2008	1	4 oz. glass jar	-20 C/Dry Ice	*
	356-0043	Ulva-2	TAL Metals plus Sn, % Solids	Plant Tissue	9/10/2008	1	4 oz. glass jar	-20 C/Dry Ice	
	356-0044	Ulva-3	TAL Metals plus Sn, % Solids	Plant Tissue	9/10/2008	1	4 oz. glass jar	-20 C/Dry Ice	
	356-0045	Ulva-4	TAL Metals plus Sn, % Solids	Plant Tissue	9/10/2008	1	4 oz. glass jar	-20 C/Dry Ice	
	356-0046	Ulva-5	TAL Metals plus Sn, % Solids	Plant Tissue	9/10/2008	1	4 oz. glass jar	-20 C/Dry Ice	

023

Special Instructions: * Lab chooses sample for MS/MSD analysis; All samples to be homogenized

SAMPLES TRANSFERRED FROM

CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
Analyses	L. A. Lyons	9/18/08									

000012

R2-0002200

SB5405

0356-DAR-110308

REAC, Edison, NJ

Laurence Harbor Site

CHAIN OF CUSTODY RECORD

Site #: 356

Contact Name: Larry Lyons

Contact Phone: (732) 494-4075

No: 356-09/24/08-0009

Lab: Katahdin Analytical

Lab #	Sample #	Location	Analyses	Matrix	Collected	Numb Cont	Container	Preservative	MS/MSD
	356-0006	RBS-S01A	TCLP	Sediment	9/11/2008	1	4 oz. glass jar	4 C	
	356-0007	RBS-S02A	TCLP	Sediment	9/11/2008	1	4 oz. glass jar	4 C	
	356-0008	RBS-S03A	TCLP	Sediment	9/11/2008	1	4 oz. glass jar	4 C	
	356-0009	RBS-S04A	TCLP	Sediment	9/11/2008	1	4 oz. glass jar	4 C	
	356-0010	RBS-S05A	TCLP	Sediment	9/11/2008	1	4 oz. glass jar	4 C	
	356-0011	SS-RM1	TAL Metals plus Sn, % Solids	Sediment	9/11/2008	1	4 oz. glass jar	4 C	
	356-0012	SS-RM2	TAL Metals plus Sn, % Solids	Sediment	9/11/2008	1	4 oz. glass jar	4 C	
	356-0013	SS-RM3	TAL Metals plus Sn, % Solids	Sediment	9/11/2008	1	4 oz. glass jar	4 C	
	356-0014	SS-RM4	TAL Metals plus Sn, % Solids	Sediment	9/11/2008	1	4 oz. glass jar	4 C	
	356-0015	SS-RM5	TAL Metals plus Sn, % Solids	Sediment	9/11/2008	1	4 oz. glass jar	4 C	
	356-0016	SS-RM6	TAL Metals plus Sn, % Solids	Sediment	9/11/2008	1	4 oz. glass jar	4 C	
	356-0017	SS-MM1	TAL Metals plus Sn, % Solids	Sediment	9/11/2008	1	4 oz. glass jar	4 C	
	356-0018	SS-MM2	TAL Metals plus Sn, % Solids	Sediment	9/11/2008	1	4 oz. glass jar	4 C	
	356-0019	SS-MM3	TAL Metals plus Sn, % Solids	Sediment	9/11/2008	1	4 oz. glass jar	4 C	
	356-0020	SS-MM4	TAL Metals plus Sn, % Solids	Sediment	9/11/2008	1	4 oz. glass jar	4 C	
	356-0021	SS-MM5	TAL Metals plus Sn, % Solids	Sediment	9/11/2008	1	4 oz. glass jar	4 C	
	356-0022	Sediment Blank	TAL Metals plus Sn, % Solids, TCLP	Sediment	9/11/2008	1	4 oz. glass jar	4 C	
	356-0047	PW-A1 (Total/Unfiltered)	TAL Metals plus Sn	Pore Water	9/22/2008	1	250 mL bottle	4 C	

024

Special Instructions: Lab chooses sample for MS/MSD analysis on both the sediment and the pore water samples.

Porewater samples are also preserved with pH < 2

SAMPLES TRANSFERRED FROM

CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
Analysis	L. A Lyons	9/24/08	DM Dz	9-25-08	1000						

000010

SB5405

0356-DAR-110308

REAC, Edison, NJ

Laurence Harbor Site

CHAIN OF CUSTODY RECORD

Site #: 356

Contact Name: Larry Lyons

Contact Phone: (732) 494-4075

No: 356-09/24/08-0009

Lab: Katahdin Analytical

Lab #	Sample #	Location	Analyses	Matrix	Collected	Numb Cont	Container	Preservative	MS/MSD
	356-0048	RBS-507A	TCLP	Sediment	9/11/2008	1	4 oz. glass jar	4 C	
	356-0049	RBS-S59A	TCLP	Sediment	9/11/2008	1	4 oz. glass jar	4 C	
	356-0050	RBS-S60A	TCLP	Sediment	9/11/2008	1	4 oz. glass jar	4 C	
	356-0051	RBS-S97	TCLP	Sediment	9/11/2008	1	4 oz. glass jar	4 C	
	356-0052	RBS-S98	TCLP	Sediment	9/11/2008	1	4 oz. glass jar	4 C	
	356-0053	PW-A2 (Filtered)	TAL Metals plus Sn	Pore Water	9/22/2008	1	175 mL bottle	4 C	
	356-0054	PW-B1 (Total/Unfiltered)	TAL Metals plus Sn	Pore Water	9/22/2008	1	250 mL bottle	4 C	
	356-0055	PW-B2 (Filtered)	TAL Metals plus Sn	Pore Water	9/22/2008	1	175 mL bottle	4 C	
	356-0056	PW-C1 (Total/Unfiltered)	TAL Metals plus Sn	Pore Water	9/22/2008	1	250 mL bottle	4 C	
	356-0057	PW-C2 (Filtered)	TAL Metals plus Sn	Pore Water	9/22/2008	1	175 mL bottle	4 C	
	356-0058	PW-D1 (Total/Unfiltered)	TAL Metals plus Sn	Pore Water	9/22/2008	1	250 mL bottle	4 C	
	356-0059	PW-D2 (Filtered)	TAL Metals plus Sn	Pore Water	9/22/2008	1	175 mL bottle	4 C	
	356-0060	PW-E1 (Total/Unfiltered)	TAL Metals plus Sn	Pore Water	9/22/2008	1	250 mL bottle	4 C	
	356-0061	PW-E2 (Filtered)	TAL Metals plus Sn	Pore Water	9/22/2008	1	175 mL bottle	4 C	

025

Special Instructions: Lab chooses sample for MS/MSD analysis on both the sediment and the pore water samples.
Pore water samples also preserved with pH<2

SAMPLES TRANSFERRED FROM

CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
Analysis	L A Lyons	9/24/08	DM Dorr	9-25-08	1000						

0000011

R2-0002202

APPENDIX C

PHOTOGRAPHS OF SLAG SAMPLES

Figure C-1: Sample SW-1

Figure C-2: Slag Boulder (SW-2)

Figure C-3: Sample SW-2

Figure C-4: Sample SW-3

Figure C-5: Sample SW-3

Figure C-6: Sample SW-4

Figure C-7: Sample SW-5 -Exterior

Figure C-8: Sample SW-5 - Interior

Figure C-9: Slag BoulderJetty-1

Figure C-10: Slag Boulder Jetty-1

Figure C-11: Jetty-2A- exterior

Figure C-12: Jetty-2B- interior

Figure C-13: Jetty-3A- exterior

Figure C-14: Jetty-3B- interior

Figure C-15: Jetty-4 interior

Figure C-16: Jetty-5 Melted Conglomerate

Figure C-17: Jetty-5

Figure C-18: Jetty-6

Figure C-19: Jetty-7A - Exterior

Figure C-20: Jetty-7B- Interior

Figure C-21: West Jetty(WJ)-1

Figure C-22: West Jetty(WJ)-2

Appendix I

EPA April 2009 Sampling Results (Phase II)

Weston Solutions, Inc.
205 Campus Drive
Edison, New Jersey 08837
732-417-5800 • Fax 732-417-5801
www.westonsolutions.com

The Trusted Integrator for Sustainable Solutions

April 28, 2009

Mr. Nick Magriples
U.S. Environmental Protection Agency
2890 Woodbridge Avenue
Edison, NJ 08837

Document Control No.: RST2-02-F-0933

Subject: **Sampling Trip Report**
Work Assignment No.: 20401.032.011.2206, Raritan Bay Slag Site
Contract No.: EP-W-06-072; Task Order No.: 0011-00

Dear Mr. Magriples:

Weston Solutions, Inc. (WESTON®) is pleased to submit the Sampling Trip Report for the second phase of sampling at the Raritan Bay Slag Site (RBS) (CERCLIS ID No. NJN000206276) located in Old Bridge and Sayreville, New Jersey. If you have any questions, please contact me at (732) 417-5869.

Very truly yours,

WESTON SOLUTIONS, INC.

Daniel J. Gaughan
Project Manager

Enclosure

cc: W.S. Butterfield, SAT 2 (w/o enclosure)
C. Kelley, RST 2 (w/o enclosure)
I. Acosta (w/o enclosure)
J. Feranda, EPA (w/o enclosure)
A. Michael, EPA
site file

R2-0002208

SAMPLING TRIP REPORT

SITE NAME: Raritan Bay Slag Site
DCN No.: RST2-02-F-0933
W.O. No.: 20401.032.011.2206
Case No.: 38476

EPA I.D. NO.: NJN000206276

SAMPLING DATES: April 20 through 23, 2009

1. Site Location: Refer to Figure 1

2. Sample Locations: Refer to Figure 2

3. Sample Descriptions: Refer to Table 1

4. Laboratory Receiving Samples:

Analysis	Name and Address of Laboratory
Target Analyte List (TAL) metals	Bonner Analytical Testing Company 2703 Oak Grove Road Hattiesburg, MS 39402
	Liberty Analytical Corporation 501 Madison Avenue Cary, NC 27513

5. Sample Dispatch Data:

One aqueous sample for low concentration TAL metals analysis and 47 soil samples for low concentration TAL metals analysis were shipped to Bonner Analytical Testing Company (Bonner Analytical) on 4/20/2009 at 1415 hours via Federal Express Airbill No. 8627 4314 8293.

Eight aqueous samples for low concentration TAL metals analysis, seven aqueous samples for low concentration dissolved TAL metals analysis, and 59 soil/sediment samples for low concentration TAL metals analysis were shipped to Liberty Analytical on 4/21/2009 at 1640 hours via Federal Express Airbill No. 8627 4314 8308.

Six aqueous samples for low concentration TAL metals analysis, five aqueous samples for low concentration dissolved TAL metals analysis, and 83 soil/sediment samples for low concentration TAL metals analysis were shipped to Bonner Analytical on 4/22/2009 at 1740 hours via Federal Express Airbill No. 8627 4314 8319.

R2-0002210

Six aqueous samples for low concentration TAL metals analysis, five aqueous samples for low concentration dissolved TAL metals analysis, and 61 soil/sediment samples for low concentration TAL metals analysis were shipped to Liberty Analytical on 4/23/2009 at 1830 hours via Federal Express Airbill No. 8627 4314 8320.

6. On-Site Personnel:

Name	Company	Duties on Site
Dan Gaughan	WESTON	Project Manager, Site Health and Safety Officer, Sampler
Scott Snyder	WESTON	Sample Management Officer (SMO)
Kelli Lucarino	WESTON	Sampler
Julissa Morales	WESTON	Sampler, Global Positioning System (GPS) Data Collection
Laura Holloway	WESTON	Sampler
Eric Hazard	WESTON	Sampler
Shawna Rigby	EPA	EPA Oversight

7. Additional Comments:

From April 20 through 23, 2009, Weston Solutions, Inc. (WESTON®) personnel collected soil, sediment, and surface water samples from the Raritan Bay Slag Site to determine the priority for further action under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). A total of 134 surface and near-surface soil samples (including eight environmental duplicate samples), 116 sediment samples (including five environmental duplicate samples), and 34 surface water samples (including two environmental duplicate samples) were collected from the site and a nearby background location. This sampling event was conducted as a follow-up to the October 2008 sampling event at the site.

WESTON collected surface soil samples from the depth interval of 0 to 2 inches and near-surface soil samples from the depth intervals of 6 to 12 inches, 12 to 18 inches, and 18 to 24 inches. Surface soil samples were collected using a dedicated plastic scoop to scrape away surficial material (grass, leaves, rocks etc.) and to remove the top layer of vegetation/soil/fill material. The soil was collected, transferred into a dedicated plastic tray, homogenized, and transferred into the required sample container using a dedicated plastic scoop. Near-surface soil samples were collected using a steel shovel and dedicated, disposable plastic scoops. Near-surface depths were achieved by shoveling soil from the location of the previously collected 0-to-2 inch sample to the required depth below the surface (i.e., top of the sampling interval). Once the appropriate depth was achieved, a layer of soil was scraped away using a disposable scoop. A second scoop was utilized to collect soil, place it into a dedicated plastic tray, and homogenize it. The homogenized soil was then transferred into the required sample container using the second dedicated plastic scoop. All remaining soil, not used for laboratory analysis, was discarded at the sampling location.

Sediment samples were collected at a depth of 0 to 3 inches. Sediment samples were collected using a dedicated, disposable plastic scoop, allowing any excess surface water to drain from the sampling

R2-0002211

device. After collection, the sediment was transferred into a dedicated plastic tray, homogenized, and transferred into the required sample container using the dedicated plastic scoop. All remaining sediment, not used for laboratory analysis, was discarded at the sampling location.

Surface water samples were collected directly into the sample container by partially submerging the sample bottle and collecting the sample. Surface water samples for TAL metals and TAL dissolved metals analysis were co-located, with the sample numbers containing a 'D' indicating requested analysis for dissolved metals (i.e., RBS-SW25 and RBS-SW25D). The dissolved metals sample was collected into a clean container and filtered through a 0.45-micron filter into another clean container using a peristaltic pump and dedicated tubing to avoid cross-contamination, at which point the first container was discarded.

Four rinsate blanks (plastic scoop and plastic tray) were collected for quality assurance/quality control (QA/QC) purposes.

All sample locations were recorded electronically using GPS technology. Post-processing differential correction of the GPS data was conducted in accordance with the EPA Region 2 GPS Standard Operating Procedures (SOP). The processed GPS data were then transferred to the Sample Location Map (Figure 2) using Geographic Information Systems (GIS).

All samples were collected as part of the Integrated Assessment (IA) evaluation conducted on site. Samples collected by WESTON were designated for analysis of TAL metals (soil, sediment, and surface water) and TAL dissolved metals (surface water) through the EPA Contract Laboratory Program (CLP). Inorganic Traffic Reports are presented in Attachment 1.

8. Report Prepared by: Julissa Morales Date: 4/28/09
Julissa Morales

9. Report Approved by: W. S. Butterfield Date: 4/28/09
W. S. Butterfield, CHMM

R2-0002212

TABLE 1
SAMPLE DESCRIPTIONS
RARITAN BAY SLAG SITE
OLD BRIDGE AND SAYREVILLE, NEW JERSEY

SAMPLE NUMBER	INORGANIC CLP NO.	DATE	TIME	COMMENTS
RBS-S99 MS/MSD	MB5JH5	4/20/09	0855	Soil sample collected from an area between the third jetty and the eastern jetty at the Cheesequake Creek inlet; depth 0-2 inches. Matrix spike/matrix spike duplicate (MS/MSD) for quality assurance/quality control (QA/QC) purposes.
RBS-S100	MB5JH6	4/20/09	0858	Soil sample collected from an area between the third jetty and the eastern jetty at the Cheesequake Creek inlet; depth 0-2 inches.
RBS-S101	MB5JH7	4/20/09	0850	Soil sample collected from an area between the third jetty and the eastern jetty at the Cheesequake Creek inlet; depth 0-2 inches.
RBS-S102	MB5JH8	4/20/09	0845	Soil sample collected from an area between the third jetty and the eastern jetty at the Cheesequake Creek inlet; depth 0-2 inches.
RBS-S103	MB5JH9	4/20/09	0855	Soil sample collected from an area between the third jetty and the eastern jetty at the Cheesequake Creek inlet; depth 0-2 inches.
RBS-S104	MB5JJ0	4/20/09	0851	Soil sample collected from an area between the third jetty and the eastern jetty at the Cheesequake Creek inlet; depth 0-2 inches.
RBS-S105	MB5JJ1	4/20/09	0850	Soil sample collected from an area between the third jetty and the eastern jetty at the Cheesequake Creek inlet; depth 0-2 inches.
RBS-S106	MB5JJ2	4/20/09	0845	Soil sample collected from an area between the third jetty and the eastern jetty at the Cheesequake Creek inlet; depth 0-2 inches.
RBS-S107	MB5JJ3	4/20/09	0940	Soil sample collected from an area between the third jetty and the eastern jetty at the Cheesequake Creek inlet; depth 0-2 inches.
RBS-S108	MB5JJ4	4/20/09	0945	Duplicate of sample RBS-S107 for QA/QC purposes.
RBS-S109	MB5JJ5	4/20/09	1001	Soil sample collected from an area between the second jetty and the third jetty; depth 0-2 inches.
RBS-S110	MB5JJ6	4/20/09	1011	Soil sample collected from an area between the second jetty and the third jetty; depth 0-2 inches.
RBS-S111	MB5JJ7	4/20/09	1022	Soil sample collected from an area between the second jetty and the third jetty; depth 0-2 inches.
RBS-S112	MB5JJ8	4/20/09	1040	Soil sample collected from an area between the second jetty and the third jetty; depth 0-2 inches.
RBS-S113	MB5JJ9	4/20/09	1037	Soil sample collected from an area between the second jetty and the third jetty; depth 0-2 inches.
RBS-S114	MB5JK0	4/20/09	1040	Soil sample collected from an area between the second jetty and the third jetty; depth 0-2 inches.
RBS-S115	MB5JK1	4/20/09	1048	Soil sample collected from an area between the second jetty and the third jetty; depth 0-2 inches.
RBS-S116	MB5JK2	4/20/09	1050	Soil sample collected from an area between the second jetty and the third jetty; depth 0-2 inches.
RBS-S117	MB5JK3	4/20/09	1052	Soil sample collected from an area between the second jetty and the third jetty; depth 0-2 inches.
RBS-S118	MB5JK4	4/20/09	1055	Soil sample collected from an area between the second jetty and the third jetty; depth 0-2 inches.
RBS-S119 MS/MSD	MB5JK5	4/20/09	1058	Soil sample collected from an area between the second jetty and the third jetty; depth 0-2 inches. MS/MSD for QA/QC purposes.
RBS-S120	MB5JK6	4/20/09	1103	Soil sample collected from an area between the second jetty and the third jetty; depth 0-2 inches.
RBS-S121	MB5JK7	4/20/09	1106	Duplicate of sample RBS-S120 for QA/QC purposes.

R2-0002213

TABLE 1 (continued)
SAMPLE DESCRIPTIONS
RARITAN BAY SLAG SITE SECOND PHASE
OLD BRIDGE AND SAYREVLLE, NEW JERSEY

SAMPLE NUMBER	INORGANIC CLP NO.	DATE	TIME	COMMENTS
RBS-S122	MB5JK8	4/20/09	1105	Soil sample collected from an area between the second jetty and the third jetty; depth 0-2 inches.
RBS-S123	MB5JK9	4/20/09	1106	Soil sample collected from an area between the second jetty and the third jetty; depth 0-2 inches.
RBS-S124	MB5JL0	4/20/09	1110	Soil sample collected from an area between the second jetty and the third jetty; depth 0-2 inches.
RBS-S125	MB5JL1	4/20/09	1110	Soil sample collected from an area between the second jetty and the third jetty; depth 0-2 inches.
RBS-S126	MB5JL2	4/20/09	1112	Soil sample collected from an area between the second jetty and the third jetty; depth 0-2 inches.
RBS-S127	MB5JL3	4/20/09	1124	Soil sample collected from an area between the second jetty and the third jetty; depth 0-2 inches.
RBS-S128	MB5JL4	4/20/09	1131	Soil sample collected from an area between the second jetty and the third jetty; depth 0-2 inches.
RBS-S129	MB5JL5	4/20/09	1139	Soil sample collected from an area between the second jetty and the third jetty; depth 0-2 inches.
RBS-S130	MB5JL6	4/20/09	1146	Soil sample collected from an area between the second jetty and the third jetty; depth 0-2 inches.
RBS-S131	MB5JL7	4/20/09	1146	Soil sample collected from an area between the second jetty and the third jetty; depth 0-2 inches.
RBS-S132	MB5JL8	4/20/09	1142	Soil sample collected from an area between the second jetty and the third jetty; depth 0-2 inches.
RBS-S133	MB5JL9	4/20/09	1136	Soil sample collected from an area between the second jetty and the third jetty; depth 0-2 inches.
RBS-S134	MB5JM0	4/20/09	1125	Soil sample collected from an area between the second jetty and the third jetty; depth 0-2 inches.
RBS-S135	MB5JM1	4/20/09	1123	Soil sample collected from an area between the second jetty and the third jetty; depth 0-2 inches.
RBS-S136	MB5JM2	4/20/09	1115	Soil sample collected from an area between the second jetty and the third jetty; depth 0-2 inches.
RBS-S137	MB5JM3	4/20/09	1118	Soil sample collected from an area between the second jetty and the third jetty; depth 0-2 inches.
RBS-S138	MB5JM4	4/20/09	1130	Soil sample collected from an area between the second jetty and the third jetty; depth 0-2 inches.
RBS-S139 MS/MSD	MB5JM5	4/20/09	1136	Soil sample collected from an area between the second jetty and the third jetty; depth 0-2 inches. MS/MSD for QA/QC purposes.
RBS-S140	MB5JM6	4/20/09	1141	Soil sample collected from an area between the second jetty and the third jetty; depth 0-2 inches.
RBS-S141	MB5JM7	4/20/09	1145	Soil sample collected from an area between the second jetty and the third jetty; depth 0-2 inches.
RBS-S142	MB5JM8	4/20/09	1150	Soil sample collected from an area between the second jetty and the third jetty; depth 0-2 inches.
RBS-S143	MB5JM9	4/20/09	1153	Soil sample collected from an area between the second jetty and the third jetty; depth 0-2 inches.
RBS-S144	MB5JN0	4/20/09	1059	Soil sample collected from an area between the second jetty and the third jetty; depth 0-2 inches.
RBS-S145	MB5JN1	4/20/09	1104	Duplicate of sample RBS-S144 for QA/QC purposes.

R2-0002214

TABLE 1 (continued)
SAMPLE DESCRIPTIONS
RARITAN BAY SLAG SITE SECOND PHASE
OLD BRIDGE AND SAYREVLLE, NEW JERSEY

SAMPLE NUMBER	INORGANIC CLP NO.	DATE	TIME	COMMENTS
RBS-S148	MB5JN4	4/21/09	0804	Soil sample collected from an area between the first jetty and the second jetty; depth 0-2 inches.
RBS-S149	MB5JN5	4/21/09	0801	Soil sample collected from an area between the first jetty and the second jetty; depth 0-2 inches.
RBS-S150	MB5JN6	4/21/09	0808	Soil sample collected from an area between the first jetty and the second jetty; depth 0-2 inches.
RBS-S151	MB5JN7	4/21/09	0810	Soil sample collected from an area between the first jetty and the second jetty; depth 0-2 inches.
RBS-S152	MB5JN8	4/21/09	0812	Soil sample collected from an area between the first jetty and the second jetty; depth 0-2 inches.
RBS-S153	MB5JN9	4/21/09	0814	Soil sample collected from an area between the first jetty and the second jetty; depth 0-2 inches.
RBS-S154	MB5JP0	4/21/09	0819	Soil sample collected from an area between the first jetty and the second jetty; depth 0-2 inches.
RBS-S155	MB5JP1	4/21/09	0821	Soil sample collected from an area between the first jetty and the second jetty; depth 0-2 inches.
RBS-S156	MB5JP2	4/21/09	0824	Soil sample collected from an area between the first jetty and the second jetty; depth 0-2 inches.
RBS-S157	MB5JP3	4/21/09	0825	Soil sample collected from an area between the first jetty and the second jetty; depth 0-2 inches.
RBS-S158	MB5JP4	4/21/09	0830	Soil sample collected from an area between the first jetty and the second jetty; depth 0-2 inches.
RBS-S159 MS/MSD	MB5JP5	4/21/09	0832	Soil sample collected from an area between the first jetty and the second jetty; depth 0-2 inches. MS/MSD for QA/QC purposes.
RBS-S160	MB5JP6	4/21/09	0835	Soil sample collected from an area between the first jetty and the second jetty; depth 0-2 inches.
RBS-S161	MB5JP7	4/21/09	0840	Duplicate of sample RBS-S160 for QA/QC purposes.
RBS-S162	MB5JP8	4/21/09	0846	Soil sample collected from an area between the first jetty and the second jetty; depth 0-2 inches.
RBS-S163	MB5JP9	4/22/09	0819	Soil sample collected from an area east of Margaret's Creek between the creek and the Middlesex County pumping station; depth 0-2 inches.
RBS-S164	MB5JQ0	4/22/09	0822	Soil sample collected from an area east of Margaret's Creek between the creek and the Middlesex County pumping station; depth 0-2 inches.
RBS-S165	MB5JQ1	4/22/09	0826	Soil sample collected from an area east of Margaret's Creek between the creek and the Middlesex County pumping station; depth 0-2 inches.
RBS-S166	MB5JQ2	4/22/09	0830	Soil sample collected from an area east of Margaret's Creek between the creek and the Middlesex County pumping station; depth 0-2 inches.
RBS-S167	MB5JQ3	4/22/09	0842	Soil sample collected from an area east of Margaret's Creek between the creek and the Middlesex County pumping station; depth 0-2 inches.
RBS-S168	MB5JQ4	4/22/09	0847	Soil sample collected from an area east of Margaret's Creek between the creek and the Middlesex County pumping station; depth 0-2 inches.
RBS-S169	MB5JQ5	4/22/09	0852	Soil sample collected from an area east of Margaret's Creek between the creek and the Middlesex County pumping station; depth 0-2 inches.
RBS-S170	MB5JQ6	4/22/09	0856	Soil sample collected from an area east of Margaret's Creek between the creek and the Middlesex County pumping station; depth 0-2 inches.
RBS-S171	MB5JQ7	4/22/09	0901	Soil sample collected from an area east of Margaret's Creek between the creek and the Middlesex County pumping station; depth 0-2 inches.

R2-0002215

TABLE 1 (continued)
SAMPLE DESCRIPTIONS
RARITAN BAY SLAG SITE SECOND PHASE
OLD BRIDGE AND SAYREVLLE, NEW JERSEY

SAMPLE NUMBER	INORGANIC CLP NO.	DATE	TIME	COMMENTS
RBS-S172	MB5JQ8	4/22/09	0906	Soil sample collected from an area east of Margaret's Creek between the creek and the Middlesex County pumping station; depth 0-2 inches.
RBS-S173	MB5JQ9	4/22/09	0911	Soil sample collected from an area east of Margaret's Creek between the creek and the Middlesex County pumping station; depth 0-2 inches.
RBS-S174	MB5JR0	4/22/09	0915	Soil sample collected from an area east of Margaret's Creek between the creek and the Middlesex County pumping station; depth 0-2 inches.
RBS-S175	MB5JR1	4/22/09	0920	Soil sample collected from an area east of Margaret's Creek between the creek and the Middlesex County pumping station; depth 0-2 inches.
RBS-S176	MB5JR2	4/22/09	0925	Soil sample collected from an area east of Margaret's Creek between the creek and the Middlesex County pumping station; depth 0-2 inches.
RBS-S177	MB5JR3	4/22/09	0949	Soil sample collected from an area east of Margaret's Creek between the creek and the Middlesex County pumping station; depth 0-2 inches.
RBS-S178	MB5JR4	4/22/09	0958	Soil sample collected from an area east of Margaret's Creek between the creek and the Middlesex County pumping station; depth 0-2 inches.
RBS-S179 MS/MSD	MB5JR5	4/22/09	1002	Soil sample collected from an area east of Margaret's Creek between the creek and the Middlesex County pumping station; depth 0-2 inches. MS/MSD for QA/QC purposes.
RBS-S180	MB5JR6	4/22/09	1010	Soil sample collected from an area east of Margaret's Creek between the creek and the Middlesex County pumping station; depth 0-2 inches.
RBS-S181	MB5JS0	4/22/09	1015	Duplicate of sample RBS-S180 for QA/QC purposes.
RBS-S182	MB5JS1	4/22/09	1023	Soil sample collected from an area east of Margaret's Creek between the creek and the Middlesex County pumping station; depth 0-2 inches.
RBS-S183	MB5JS2	4/22/09	1009	Soil sample collected from an area east of Margaret's Creek between the creek and the Middlesex County pumping station; depth 0-2 inches.
RBS-S184	MB5JS3	4/22/09	1003	Soil sample collected from an area east of Margaret's Creek between the creek and the Middlesex County pumping station; depth 0-2 inches.
RBS-S185	MB5JS4	4/22/09	0957	Soil sample collected from an area east of Margaret's Creek between the creek and the Middlesex County pumping station; depth 0-2 inches.
RBS-S186	MB5JS5	4/22/09	0948	Soil sample collected from an area east of Margaret's Creek between the creek and the Middlesex County pumping station; depth 0-2 inches.
RBS-S187	MB5JS6	4/22/09	0940	Soil sample collected from an area east of Margaret's Creek between the creek and the Middlesex County pumping station; depth 0-2 inches.
RBS-S188	MB5JS7	4/22/09	0941	Soil sample collected from an area east of Margaret's Creek between the creek and the Middlesex County pumping station; depth 0-2 inches.
RBS-S189	MB5JS8	4/22/09	0914	Soil sample collected from an area east of Margaret's Creek between the creek and the Middlesex County pumping station; depth 0-2 inches.
RBS-S190	MB5JS9	4/22/09	0910	Soil sample collected from an area east of Margaret's Creek between the creek and the Middlesex County pumping station; depth 0-2 inches.
RBS-S191	MB5JT0	4/22/09	0905	Soil sample collected from an area east of Margaret's Creek between the creek and the Middlesex County pumping station; depth 0-2 inches.
RBS-S192	MB5JT1	4/22/09	0900	Soil sample collected from an area east of Margaret's Creek between the creek and the Middlesex County pumping station; depth 0-2 inches.
RBS-S193	MB5JT2	4/22/09	0856	Soil sample collected from an area east of Margaret's Creek between the creek and the Middlesex County pumping station; depth 0-2 inches.
RBS-S194	MB5JT3	4/22/09	0852	Soil sample collected from an area east of Margaret's Creek between the creek and the Middlesex County pumping station; depth 0-2 inches.

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TABLE 1 (continued)
SAMPLE DESCRIPTIONS
RARITAN BAY SLAG SITE SECOND PHASE
OLD BRIDGE AND SAYREVLLE, NEW JERSEY

SAMPLE NUMBER	INORGANIC CLP NO.	DATE	TIME	COMMENTS
RBS-S195	MB5JT4	4/22/09	0847	Soil sample collected from an area east of Margaret's Creek between the creek and the Middlesex County pumping station; depth 0-2 inches.
RBS-S196	MB5JT5	4/22/09	0841	Soil sample collected from an area east of Margaret's Creek between the creek and the Middlesex County pumping station; depth 0-2 inches.
RBS-S197	MB5JT6	4/22/09	0832	Soil sample collected from an area east of Margaret's Creek between the creek and the Middlesex County pumping station; depth 0-2 inches.
RBS-S198 MS/MSD	MB5JT7	4/22/09	0828	Soil sample collected from an area east of Margaret's Creek between the creek and the Middlesex County pumping station; depth 0-2 inches. MS/MSD for QA/QC purposes.
RBS-S199	MB5JT8	4/22/09	0821	Soil sample collected from an area east of Margaret's Creek between the creek and the Middlesex County pumping station; depth 0-2 inches.
RBS-S200	MB5JT9	4/22/09	0823	Duplicate of sample RBS-S199 for QA/QC purposes.
RBS-S201	MB5JW0	4/22/09	0819	Soil sample collected from an area east of Margaret's Creek between the creek and the Middlesex County pumping station; depth 0-2 inches.
RBS-S202	MB5JW1	4/22/09	1016	Soil sample collected from an area east of Margaret's Creek between the creek and the Middlesex County pumping station; depth 0-2 inches.
RBS-S203	MB5JW2	4/22/09	1028	Soil sample collected from an area east of Margaret's Creek between the creek and the Middlesex County pumping station; depth 0-2 inches.
RBS-S204	MB5JW3	4/22/09	1034	Soil sample collected from an area east of Margaret's Creek between the creek and the Middlesex County pumping station; depth 0-2 inches.
RBS-S207A	MB5KD3	4/23/09	1347	Soil sample collected from an area between the third jetty and the eastern jetty at the Cheesequake Creek inlet; depth 0-2 inches.
RBS-S207B	MB5KD4	4/23/09	1354	Soil sample collected from an area between the third jetty and the eastern jetty at the Cheesequake Creek inlet; depth 6-12 inches.
RBS-S207C	MB5KD5	4/23/09	1359	Soil sample collected from an area between the third jetty and the eastern jetty at the Cheesequake Creek inlet; depth 12-18 inches.
RBS-S207D	MB5KD6	4/23/09	1406	Soil sample collected from an area between the third jetty and the eastern jetty at the Cheesequake Creek inlet; depth 18-24 inches.
RBS-S207E	MB5KD7	4/23/09	1352	Duplicate of RBS-S207A for QA/QC purposes.
RBS-S208A	MB5KD8	4/23/09	1416	Soil sample collected from an area between the third jetty and the eastern jetty at the Cheesequake Creek inlet; depth 0-2 inches.
RBS-S208B	MB5KD9	4/23/09	1420	Soil sample collected from an area between the third jetty and the eastern jetty at the Cheesequake Creek inlet; depth 6-12 inches.
RBS-S208C	MB5KE0	4/23/09	1426	Soil sample collected from an area between the third jetty and the eastern jetty at the Cheesequake Creek inlet; depth 12-18 inches.
RBS-S208D	MB5KE1	4/23/09	1432	Soil sample collected from an area between the third jetty and the eastern jetty at the Cheesequake Creek inlet; depth 18-24 inches.
RBS-S209A	MB5KE2	4/23/09	1444	Soil sample collected from an area between the third jetty and the eastern jetty at the Cheesequake Creek inlet; depth 0-2 inches.
RBS-S209B	MB5KE3	4/23/09	1450	Soil sample collected from an area between the third jetty and the eastern jetty at the Cheesequake Creek inlet; depth 6-12 inches.
RBS-S209C	MB5KE4	4/23/09	1454	Soil sample collected from an area between the third jetty and the eastern jetty at the Cheesequake Creek inlet; depth 12-18 inches.
RBS-S209D	MB5KE5	4/23/09	1459	Soil sample collected from an area between the third jetty and the eastern jetty at the Cheesequake Creek inlet; depth 18-24 inches.
RBS-S210A	MB5KE6	4/23/09	1532	Soil sample collected from an area between the second jetty and the third jetty; depth 0-2 inches.

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TABLE 1 (continued)
SAMPLE DESCRIPTIONS
RARITAN BAY SLAG SITE SECOND PHASE
OLD BRIDGE AND SAYREVLLE, NEW JERSEY

SAMPLE NUMBER	INORGANIC CLP NO.	DATE	TIME	COMMENTS
RBS-S210B	MB5KE7	4/23/09	1540	Soil sample collected from an area between the second jetty and the third jetty; depth 6-12 inches.
RBS-S210C	MB5KE8	4/23/09	1549	Soil sample collected from an area between the second jetty and the third jetty; depth 12-18 inches.
RBS-S210D	MB5KE9	4/23/09	1600	Soil sample collected from an area between the second jetty and the third jetty; depth 18-24 inches.
RBS-S211A	MB5KF0	4/23/09	1609	Soil sample collected from an area between the second jetty and the third jetty; depth 0-2 inches.
RBS-S211B	MB5KF1	4/23/09	1616	Soil sample collected from an area between the second jetty and the third jetty; depth 6-12 inches.
RBS-S211C	MB5KF2	4/23/09	1618	Soil sample collected from an area between the second jetty and the third jetty; depth 12-18 inches.
RBS-S211D	MB5KF3	4/23/09	1621	Soil sample collected from an area between the second jetty and the third jetty; depth18-24 inches.
RBS-S211E	MB5KF4	4/23/09	1614	Duplicate of RBS-S211A for QA/QC purposes.
RBS-S212A	MB56S5	4/23/09	1500	Soil sample collected from an area between the second jetty and the third jetty; depth 0-2 inches.
RBS-S212B	MB56S6	4/23/09	1510	Soil sample collected from an area between the second jetty and the third jetty; depth 6-12 inches.
RBS-S212C	MB56S7	4/23/09	1525	Soil sample collected from an area between the second jetty and the third jetty; depth 12-18 inches.
RBS-S212D	MB56S8	4/23/09	1530	Soil sample collected from an area between the second jetty and the third jetty; depth 18-24 inches.
RBS-S213A	MB56S9	4/23/09	1602	Soil sample collected from an area between the first jetty and the second jetty; depth 0-2 inches.
RBS-S213B	MB56T0	4/23/09	1605	Soil sample collected from an area between the first jetty and the second jetty; depth 6-12 inches.
RBS-S213C	MB56T1	4/23/09	1610	Soil sample collected from an area between the first jetty and the second jetty; depth 12-18 inches.
RBS-S213D	MB56T2	4/23/09	1612	Soil sample collected from an area between the first jetty and the second jetty; depth 18-24 inches.
RBS-SED91 MS/MSD	MB5JW6	4/23/09	1145	Sediment sample collected from an area between the third jetty and the eastern jetty at the Cheesequake Creek inlet; depth 0-3 inches. MS/MSD for QA/QC purposes.
RBS-SED92	MB5JW7	4/21/09	1409	Sediment sample collected from an area between the third jetty and the eastern jetty at the Cheesequake Creek inlet; depth 0-3 inches.
RBS-SED93	MB5JW8	4/21/09	1415	Sediment sample collected from an area between the third jetty and the eastern jetty at the Cheesequake Creek inlet; depth 0-3 inches. Duplicate of sample RBS-SED92 for QA/QC purposes.
RBS-SED94	MB5JW9	4/21/09	1420	Sediment sample collected from an area between the third jetty and the eastern jetty at the Cheesequake Creek inlet; depth 0-3 inches.
RBS-SED95	MB5JX0	4/21/09	1430	Sediment sample collected from an area between the third jetty and the eastern jetty at the Cheesequake Creek inlet; depth 0-3 inches.
RBS-SED96	MB5JX1	4/23/09	1215	Sediment sample collected from an area between the third jetty and the eastern jetty at the Cheesequake Creek inlet; depth 0-3 inches.
RBS-SED97	MB5JX2	4/23/09	1155	Sediment sample collected from an area between the third jetty and the eastern jetty at the Cheesequake Creek inlet; depth 0-3 inches.

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TABLE 1 (continued)
SAMPLE DESCRIPTIONS
RARITAN BAY SLAG SITE SECOND PHASE
OLD BRIDGE AND SAYREVLLE, NEW JERSEY

SAMPLE NUMBER	INORGANIC CLP NO.	DATE	TIME	COMMENTS
RBS-SED98	MB5JX3	4/23/09	1146	Sediment sample collected from an area between the third jetty and the eastern jetty at the Cheesequake Creek inlet; depth 0-3 inches.
RBS-SED99	MB5JX4	4/21/09	1402	Sediment sample collected from an area between the third jetty and the eastern jetty at the Cheesequake Creek inlet; depth 0-3 inches.
RBS-SED100	MB5JX5	4/23/09	1139	Sediment sample collected from an area between the third jetty and the eastern jetty at the Cheesequake Creek inlet; depth 0-3 inches.
RBS-SED101	MB5JX6	4/23/09	1133	Sediment sample collected from an area between the third jetty and the eastern jetty at the Cheesequake Creek inlet; depth 0-3 inches.
RBS-SED102	MB5JX7	4/23/09	1114	Sediment sample collected from an area between the third jetty and the eastern jetty at the Cheesequake Creek inlet; depth 0-3 inches.
RBS-SED103	MB5JX8	4/23/09	1106	Sediment sample collected from an area between the third jetty and the eastern jetty at the Cheesequake Creek inlet; depth 0-3 inches.
RBS-SED104	MB5JX9	4/23/09	1100	Sediment sample collected from an area between the third jetty and the eastern jetty at the Cheesequake Creek inlet; depth 0-3 inches.
RBS-SED105	MB5JY0	4/23/09	1051	Sediment sample collected from an area between the third jetty and the eastern jetty at the Cheesequake Creek inlet; depth 0-3 inches.
RBS-SED106	MB5JY1	4/23/09	1111	Sediment sample collected from an area between the third jetty and the eastern jetty at the Cheesequake Creek inlet; depth 0-3 inches.
RBS-SED107	MB5JY2	4/23/09	1119	Sediment sample collected from an area between the third jetty and the eastern jetty at the Cheesequake Creek inlet; depth 0-3 inches.
RBS-SED108	MB5JY3	4/23/09	1126	Sediment sample collected from an area between the third jetty and the eastern jetty at the Cheesequake Creek inlet; depth 0-3 inches.
RBS-SED109	MB5JY4	4/23/09	1121	Sediment sample collected from an area between the third jetty and the eastern jetty at the Cheesequake Creek inlet; depth 0-3 inches.
RBS-SED110	MB5JY5	4/23/09	1137	Sediment sample collected from an area between the third jetty and the eastern jetty at the Cheesequake Creek inlet; depth 0-3 inches.
RBS-SED111 MS/MSD	MB5JY6	4/23/09	1135	Sediment sample collected from an area between the third jetty and the eastern jetty at the Cheesequake Creek inlet; depth 0-3 inches. MS/MSD for QA/QC purposes.
RBS-SED112	MB5JY7	4/23/09	1146	Sediment sample collected from an area between the third jetty and the eastern jetty at the Cheesequake Creek inlet; depth 0-3 inches.
RBS-SED113	MB5JY8	4/23/09	1149	Duplicate of sample RBS-SED112 for QA/QC purposes.
RBS-SED114	MB5JY9	4/23/09	1238	Sediment sample collected from an area between the third jetty and the eastern jetty at the Cheesequake Creek inlet; depth 0-3 inches.
RBS-SED115	MB5JZ0	4/23/09	1205	Sediment sample collected from an area between the third jetty and the eastern jetty at the Cheesequake Creek inlet; depth 0-3 inches.
RBS-SED116	MB5JZ1	4/23/09	1206	Sediment sample collected from an area between the third jetty and the eastern jetty at the Cheesequake Creek inlet; depth 0-3 inches.
RBS-SED117	MB5JZ2	4/23/09	1212	Sediment sample collected from an area between the third jetty and the eastern jetty at the Cheesequake Creek inlet; depth 0-3 inches.
RBS-SED118	MB5JZ3	4/23/09	1220	Sediment sample collected from an area between the third jetty and the eastern jetty at the Cheesequake Creek inlet; depth 0-3 inches.
RBS-SED119	MB5JZ4	4/23/09	1217	Sediment sample collected from an area between the third jetty and the eastern jetty at the Cheesequake Creek inlet; depth 0-3 inches.
RBS-SED120	MB5JZ5	4/21/09	1406	Sediment sample collected from an area between the third jetty and the eastern jetty at the Cheesequake Creek inlet; depth 0-3 inches.

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TABLE 1 (continued)
SAMPLE DESCRIPTIONS
RARITAN BAY SLAG SITE SECOND PHASE
OLD BRIDGE AND SAYREVLLE, NEW JERSEY

SAMPLE NUMBER	INORGANIC CLP NO.	DATE	TIME	COMMENTS
RBS-SED121	MB5JZ6	4/21/09	0913	Sediment sample collected from an area between the second jetty and the third jetty; depth 0-3 inches.
RBS-SED122	MB5JZ7	4/21/09	0919	Sediment sample collected from an area between the second jetty and the third jetty; depth 0-3 inches.
RBS-SED123	MB5JZ8	4/21/09	0923	Sediment sample collected from an area between the second jetty and the third jetty; depth 0-3 inches.
RBS-SED124	MB5JZ9	4/21/09	0927	Sediment sample collected from an area between the second jetty and the third jetty; depth 0-3 inches.
RBS-SED125	MB5K00	4/21/09	0931	Sediment sample collected from an area between the second jetty and the third jetty; depth 0-3 inches.
RBS-SED126	MB5K01	4/21/09	0942	Sediment sample collected from an area between the second jetty and the third jetty; depth 0-3 inches.
RBS-SED127	MB5K02	4/21/09	0943	Sediment sample collected from an area between the second jetty and the third jetty; depth 0-3 inches.
RBS-SED128	MB5K03	4/21/09	0952	Sediment sample collected from an area between the second jetty and the third jetty; depth 0-3 inches.
RBS-SED129	MB5K04	4/21/09	0950	Sediment sample collected from an area between the second jetty and the third jetty; depth 0-3 inches.
RBS-SED130	MB5K05	4/21/09	0959	Sediment sample collected from an area between the second jetty and the third jetty; depth 0-3 inches.
RBS-SED131 MS/MSD	MB5K06	4/21/09	1001	Sediment sample collected from an area between the second jetty and the third jetty; depth 0-3 inches. MS/MSD for QA/QC purposes.
RBS-SED132	MB5K07	4/21/09	1225	Sediment sample collected from an area between the second jetty and the third jetty; depth 0-3 inches.
RBS-SED133	MB5K08	4/21/09	1230	Duplicate of sample RBS-SED132 for QA/QC purposes.
RBS-SED134	MB5K09	4/21/09	1220	Sediment sample collected from an area between the second jetty and the third jetty; depth 0-3 inches.
RBS-SED135	MB5K10	4/21/09	1213	Sediment sample collected from an area between the second jetty and the third jetty; depth 0-3 inches.
RBS-SED136	MB5K11	4/21/09	1212	Sediment sample collected from an area between the second jetty and the third jetty; depth 0-3 inches.
RBS-SED137	MB5K12	4/21/09	1210	Sediment sample collected from an area between the second jetty and the third jetty; depth 0-3 inches.
RBS-SED138	MB5K13	4/21/09	1210	Sediment sample collected from an area between the second jetty and the third jetty; depth 0-3 inches.
RBS-SED139	MB5K14	4/21/09	1207	Sediment sample collected from an area between the second jetty and the third jetty; depth 0-3 inches.
RBS-SED140	MB5K15	4/21/09	1200	Sediment sample collected from an area between the second jetty and the third jetty; depth 0-3 inches.
RBS-SED141	MB5K16	4/21/09	1157	Sediment sample collected from an area between the second jetty and the third jetty; depth 0-3 inches.
RBS-SED142	MB5K17	4/21/09	1148	Sediment sample collected from an area between the second jetty and the third jetty; depth 0-3 inches.
RBS-SED143	MB5K18	4/21/09	1145	Sediment sample collected from an area between the second jetty and the third jetty; depth 0-3 inches.
RBS-SED144	MB5K19	4/21/09	0841	Sediment sample collected from an area between the first jetty and the second jetty; depth 0-3 inches.

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TABLE 1 (continued)
SAMPLE DESCRIPTIONS
RARITAN BAY SLAG SITE SECOND PHASE
OLD BRIDGE AND SAYREVLLE, NEW JERSEY

SAMPLE NUMBER	INORGANIC CLP NO.	DATE	TIME	COMMENTS
RBS-SED145	MB5K20	4/21/09	0849	Sediment sample collected from an area between the first jetty and the second jetty; depth 0-3 inches.
RBS-SED146	MB5K21	4/21/09	0853	Sediment sample collected from an area between the first jetty and the second jetty; depth 0-3 inches.
RBS-SED147	MB5K22	4/21/09	0855	Sediment sample collected from an area between the first jetty and the second jetty; depth 0-3 inches.
RBS-SED148	MB5K23	4/21/09	0900	Sediment sample collected from an area between the first jetty and the second jetty; depth 0-3 inches.
RBS-SED149	MB5K24	4/21/09	0907	Sediment sample collected from an area between the first jetty and the second jetty; depth 0-3 inches.
RBS-SED150	MB5K25	4/21/09	0907	Sediment sample collected from an area between the first jetty and the second jetty; depth 0-3 inches.
RBS-SED151 MS/MSD	MB5K26	4/21/09	1120	Sediment sample collected from an area between the first jetty and the second jetty; depth 0-3 inches. MS/MSD for QA/QC purposes.
RBS-SED152	MB5K27	4/21/09	1129	Sediment sample collected from an area between the first jetty and the second jetty; depth 0-3 inches.
RBS-SED153	MB5K28	4/21/09	1124	Duplicate of sample RBS-SED152 for QA/QC purposes.
RBS-SED154	MB5K29	4/21/09	1120	Sediment sample collected from an area between the first jetty and the second jetty; depth 0-3 inches.
RBS-SED155	MB5K30	4/21/09	1112	Sediment sample collected from an area between the first jetty and the second jetty; depth 0-3 inches.
RBS-SED156	MB5K31	4/21/09	1110	Sediment sample collected from an area between the first jetty and the second jetty; depth 0-3 inches.
RBS-SED157	MB5K32	4/21/09	1100	Sediment sample collected from an area between the first jetty and the second jetty; depth 0-3 inches.
RBS-SED158	MB5K33	4/21/09	1103	Sediment sample collected from an area between the first jetty and the second jetty; depth 0-3 inches.
RBS-SED159	MB5K34	4/22/09	1220	Sediment sample collected from an area east of Margaret's Creek between the creek and the Middlesex County pumping station; depth 0-3 inches.
RBS-SED160	MB5K35	4/22/09	1225	Sediment sample collected from an area east of Margaret's Creek between the creek and the Middlesex County pumping station; depth 0-3 inches.
RBS-SED161	MB5K36	4/22/09	1226	Sediment sample collected from an area east of Margaret's Creek between the creek and the Middlesex County pumping station; depth 0-3 inches.
RBS-SED162	MB5K37	4/22/09	1231	Sediment sample collected from an area east of Margaret's Creek between the creek and the Middlesex County pumping station; depth 0-3 inches.
RBS-SED163	MB5K38	4/22/09	1238	Sediment sample collected from an area east of Margaret's Creek between the creek and the Middlesex County pumping station; depth 0-3 inches.
RBS-SED164	MB5K39	4/22/09	1245	Sediment sample collected from an area east of Margaret's Creek between the creek and the Middlesex County pumping station; depth 0-3 inches.

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TABLE 1 (continued)
SAMPLE DESCRIPTIONS
RARITAN BAY SLAG SITE SECOND PHASE
OLD BRIDGE AND SAYREVLLE, NEW JERSEY

SAMPLE NUMBER	INORGANIC CLP NO.	DATE	TIME	COMMENTS
RBS-SED165	MB5K40	4/22/09	1251	Sediment sample collected from an area east of Margaret's Creek between the creek and the Middlesex County pumping station; depth 0-3 inches.
RBS-SED166	MB5K41	4/22/09	1257	Sediment sample collected from an area east of Margaret's Creek between the creek and the Middlesex County pumping station; depth 0-3 inches.
RBS-SED167	MB5K42	4/22/09	1305	Sediment sample collected from an area east of Margaret's Creek between the creek and the Middlesex County pumping station; depth 0-3 inches.
RBS-SED168	MB5K43	4/22/09	1310	Sediment sample collected from an area east of Margaret's Creek between the creek and the Middlesex County pumping station; depth 0-3 inches.
RBS-SED169	MB5K44	4/22/09	1319	Sediment sample collected from an area east of Margaret's Creek between the creek and the Middlesex County pumping station; depth 0-3 inches.
RBS-SED170	MB5K45	4/22/09	1325	Sediment sample collected from an area east of Margaret's Creek between the creek and the Middlesex County pumping station; depth 0-3 inches.
RBS-SED171 MS/MSD	MB5K46	4/22/09	1334	Sediment sample collected from an area east of Margaret's Creek between the creek and the Middlesex County pumping station; depth 0-3 inches. MS/MSD for QA/QC purposes.
RBS-SED172	MB5K47	4/22/09	1335	Sediment sample collected from an area east of Margaret's Creek between the creek and the Middlesex County pumping station; depth 0-3 inches.
RBS-SED173	MB5K48	4/22/09	1340	Duplicate of RBS-SED172 for QA/QC purposes.
RBS-SED174	MB5K49	4/22/09	1340	Sediment sample collected from an area east of Margaret's Creek between the creek and the Middlesex County pumping station; depth 0-3 inches.
RBS-SED175	MB5K50	4/22/09	1345	Sediment sample collected from an area east of Margaret's Creek between the creek and the Middlesex County pumping station; depth 0-3 inches.
RBS-SED176	MB5K51	4/22/09	1352	Sediment sample collected from an area east of Margaret's Creek between the creek and the Middlesex County pumping station; depth 0-3 inches.
RBS-SED177	MB5K52	4/22/09	1400	Sediment sample collected from an area east of Margaret's Creek between the creek and the Middlesex County pumping station; depth 0-3 inches.
RBS-SED178	MB5K53	4/22/09	1411	Sediment sample collected from an area east of Margaret's Creek between the creek and the Middlesex County pumping station; depth 0-3 inches.
RBS-SED179	MB5K54	4/22/09	1417	Sediment sample collected from an area east of Margaret's Creek between the creek and the Middlesex County pumping station; depth 0-3 inches.
RBS-SED180	MB5K55	4/22/09	1357	Sediment sample collected from an area east of Margaret's Creek between the creek and the Middlesex County pumping station; depth 0-3 inches.

R2-0002222

TABLE 1 (continued)
SAMPLE DESCRIPTIONS
RARITAN BAY SLAG SITE SECOND PHASE
OLD BRIDGE AND SAYREVLLE, NEW JERSEY

SAMPLE NUMBER	INORGANIC CLP NO.	DATE	TIME	COMMENTS
RBS-SED181	MB5K56	4/22/09	1349	Sediment sample collected from an area east of Margaret's Creek between the creek and the Middlesex County pumping station; depth 0-3 inches.
RBS-SED182	MB5K57	4/22/09	1345	Sediment sample collected from an area east of Margaret's Creek between the creek and the Middlesex County pumping station; depth 0-3 inches.
RBS-SED183	MB5K58	4/22/09	1340	Sediment sample collected from an area east of Margaret's Creek between the creek and the Middlesex County pumping station; depth 0-3 inches.
RBS-SED184	MB5K59	4/22/09	1330	Sediment sample collected from an area east of Margaret's Creek between the creek and the Middlesex County pumping station; depth 0-3 inches.
RBS-SED185	MB5K60	4/22/09	1329	Sediment sample collected from an area east of Margaret's Creek between the creek and the Middlesex County pumping station; depth 0-3 inches.
RBS-SED186	MB5K61	4/22/09	1320	Sediment sample collected from an area east of Margaret's Creek between the creek and the Middlesex County pumping station; depth 0-3 inches.
RBS-SED187	MB5K62	4/22/09	1317	Sediment sample collected from an area east of Margaret's Creek between the creek and the Middlesex County pumping station; depth 0-3 inches.
RBS-SED188	MB5K63	4/22/09	1310	Sediment sample collected from an area east of Margaret's Creek between the creek and the Middlesex County pumping station; depth 0-3 inches.
RBS-SED189	MB5K64	4/22/09	1309	Sediment sample collected from an area east of Margaret's Creek between the creek and the Middlesex County pumping station; depth 0-3 inches.
RBS-SED190	MB5K65	4/22/09	1302	Sediment sample collected from an area east of Margaret's Creek between the creek and the Middlesex County pumping station; depth 0-3 inches.
RBS-SED191 MS/MSD	MB5K66	4/22/09	1302	Sediment sample collected from an area east of Margaret's Creek between the creek and the Middlesex County pumping station; depth 0-3 inches. MS/MSD for QA/QC purposes.
RBS-SED192	MB5K67	4/22/09	1250	Sediment sample collected from an area east of Margaret's Creek between the creek and the Middlesex County pumping station; depth 0-3 inches.
RBS-SED193	MB5K68	4/22/09	1255	Duplicate of RBS-SED192 for QA/QC purposes.
RBS-SED194	MB5K69	4/22/09	1249	Sediment sample collected from an area east of Margaret's Creek between the creek and the Middlesex County pumping station; depth 0-3 inches.
RBS-SED195	MB5K70	4/23/09	1143	Sediment sample collected from an area east of Margaret's Creek between the creek and the Middlesex County pumping station; depth 0-3 inches.
RBS-SED196	MB5K71	4/22/09	1237	Sediment sample collected from an area east of Margaret's Creek between the creek and the Middlesex County pumping station; depth 0-3 inches.

R2-0002223

TABLE 1 (continued)
SAMPLE DESCRIPTIONS
RARITAN BAY SLAG SITE SECOND PHASE
OLD BRIDGE AND SAYREVLLE, NEW JERSEY

SAMPLE NUMBER	INORGANIC CLP NO.	DATE	TIME	COMMENTS
RBS-SED197	MB5K72	4/22/09	1233	Sediment sample collected from an area east of Margaret's Creek between the creek and the Middlesex County pumping station; depth 0-3 inches.
RBS-SED198	MB5K73	4/22/09	1231	Sediment sample collected from an area east of Margaret's Creek between the creek and the Middlesex County pumping station; depth 0-3 inches.
RBS-SED199	MB5K74	4/22/09	1220	Sediment sample collected from an area east of Margaret's Creek between the creek and the Middlesex County pumping station; depth 0-3 inches.
RBS-SED200	MB5K75	4/23/09	1059	Background sediment sample collected from an area suspected not to be influenced by past site activities; depth 0-3 in.
RBS-SED201	MB5K76	4/23/09	1112	Background sediment sample collected from an area suspected not to be influenced by past site activities; depth 0-3 in.
RBS-SED202	MB5K77	4/23/09	1123	Background sediment sample collected from an area suspected not to be influenced by past site activities; depth 0-3 in.
RBS-SED203	MB5K78	4/23/09	1129	Background sediment sample collected from an area suspected not to be influenced by past site activities; depth 0-3 in.
RBS-SED204	MB5K79	4/23/09	1118	Background sediment sample collected from an area suspected not to be influenced by past site activities; depth 0-3 in.
RBS-SED205	MB5K80	4/23/09	1106	Background sediment sample collected from an area suspected not to be influenced by past site activities; depth 0-3 in.
RBS-SED206	MB5K81	4/22/09	1415	Sediment sample collected from an area east of Margaret's Creek between the creek and the Middlesex County pumping station; depth 0-3 inches.
RBS-SW25 MS/MSD	MB5K86	4/23/09	1338	Surface water sample collected from an area between the third jetty and the eastern jetty at the Cheesequake Creek inlet. MS/MSD for QA/QC purposes.
RBS-SW25D MS/MSD	MB5K87	4/23/09	1340	Surface water sample collected from an area between the third jetty and the eastern jetty at the Cheesequake Creek inlet. MS/MSD for QA/QC purposes.
RBS-SW26	MB5K88	4/23/09	1344	Activity based surface water sample collected from an area between the third jetty and the eastern jetty at the Cheesequake Creek inlet.
RBS-SW26D	MB5K89	4/23/09	1346	Activity based surface water sample collected from an area between the third jetty and the eastern jetty at the Cheesequake Creek inlet.
RBS-SW27	MB5K90	4/23/09	1355	Duplicate of sample RBS-SW26 for QA/QC purposes.
RBS-SW27D	MB5K91	4/23/09	1357	Duplicate of sample RBS-SW26D for QA/QC purposes.
RBS-SW28	MB5K92	4/23/09	1400	Activity based surface water sample collected from an area between the third jetty and the eastern jetty at the Cheesequake Creek inlet.
RBS-SW28D	MB5K93	4/23/09	1402	Activity based surface water sample collected from an area between the third jetty and the eastern jetty at the Cheesequake Creek inlet.
RBS-SW29	MB5K94	4/23/09	1410	Activity based surface water sample collected from an area between the third jetty and the eastern jetty at the Cheesequake Creek inlet.
RBS-SW29D	MB5K95	4/23/09	1412	Activity based surface water sample collected from an area between the third jetty and the eastern jetty at the Cheesequake Creek inlet.
RBS-SW30	MB5K96	4/21/09	1231	Activity based surface water sample collected from an area between the second jetty and the third jetty.

R2-0002224

TABLE 1 (continued)
SAMPLE DESCRIPTIONS
RARITAN BAY SLAG SITE SECOND PHASE
OLD BRIDGE AND SAYREVLLE, NEW JERSEY

SAMPLE NUMBER	INORGANIC CLP NO.	DATE	TIME	COMMENTS
RBS-SW30D	MB5K97	4/21/09	1233	Activity based surface water sample collected from an area between the second jetty and the third jetty.
RBS-SW31	MB5K98	4/21/09	1235	Activity based surface water sample collected from an area between the second jetty and the third jetty.
RBS-SW31D	MB5K99	4/21/09	1237	Activity based surface water sample collected from an area between the second jetty and the third jetty.
RBS-SW32	MB5KA0	4/21/09	1240	Surface water sample collected from an area between the second jetty and the third jetty.
RBS-SW32D	MB5KA1	4/21/09	1242	Surface water sample collected from an area between the second jetty and the third jetty.
RBS-SW33	MB5KA2	4/21/09	1245	Activity based surface water sample collected from an area between the second jetty and the third jetty.
RBS-SW33D	MB5KA3	4/21/09	1247	Activity based surface water sample collected from an area between the second jetty and the third jetty.
RBS-SW34	MB5KA4	4/21/09	1058	Surface water sample collected from an area between the first jetty and the second jetty.
RBS-SW34D	MB5KA5	4/21/09	1100	Surface water sample collected from an area between the first jetty and the second jetty.
RBS-SW35	MB5KA6	4/21/09	1106	Activity based surface water sample collected from an area between the first jetty and the second jetty.
RBS-SW35D	MB5KA7	4/21/09	1108	Activity based surface water sample collected from an area between the first jetty and the second jetty.
RBS-SW36	MB5KA8	4/21/09	1112	Activity based surface water sample collected from an area between the first jetty and the second jetty.
RBS-SW36D	MB5KA9	4/21/09	1114	Activity based surface water sample collected from an area between the first jetty and the second jetty.
RBS-SW37	MB5KB0	4/22/09	1410	Activity based surface water sample collected from area east of Margaret's Creek between the creek and the Middlesex County pumping station.
RBS-SW37D	MB5KB1	4/22/09	1412	Activity based surface water sample collected from area east of Margaret's Creek between the creek and the Middlesex County pumping station.
RBS-SW38	MB5KB2	4/22/09	1349	Activity based surface water sample collected from area east of Margaret's Creek between the creek and the Middlesex County pumping station.
RBS-SW38D	MB5KB3	4/22/09	1351	Activity based surface water sample collected from area east of Margaret's Creek between the creek and the Middlesex County pumping station.
RBS-SW39	MB5KB4	4/22/09	1328	Surface water sample collected from area east of Margaret's Creek between the creek and the Middlesex County pumping station.
RBS-SW39D	MB5KB5	4/22/09	1330	Surface water sample collected from area east of Margaret's Creek between the creek and the Middlesex County pumping station.
RBS-SW40	MB5KB6	4/22/09	1308	Activity based surface water sample collected from area east of Margaret's Creek between the creek and the Middlesex County pumping station.

R2-0002225

TABLE 1 (continued)
SAMPLE DESCRIPTIONS
RARITAN BAY SLAG SITE SECOND PHASE
OLD BRIDGE AND SAYREVLLE, NEW JERSEY

SAMPLE NUMBER	INORGANIC CLP NO.	DATE	TIME	COMMENTS
RBS-SW40D	MB5KB7	4/22/09	1310	Activity based surface water sample collected from area east of Margaret's Creek between the creek and the Middlesex County pumping station.
RBS-SW41	MB5KB8	4/22/09	1246	Activity based surface water sample collected from area east of Margaret's Creek between the creek and the Middlesex County pumping station.
RBS-SW41D	MB5KB9	4/22/09	1248	Activity based surface water sample collected from area east of Margaret's Creek between the creek and the Middlesex County pumping station.
RBS-RIN05	MB5KC8	4/20/09	1330	Rinsate blank (dedicated, disposable plastic scoop and tray) for QA/QC purposes.
RBS-RIN06	MB5KC9	4/21/09	1455	Rinsate blank (dedicated, disposable plastic scoop and tray) for QA/QC purposes.
RBS-RIN07	MB5KD0	4/22/09	1155	Rinsate blank (dedicated, disposable plastic scoop and tray) for QA/QC purposes.
RBS-RIN08	MB5KD1	4/23/09	1330	Rinsate blank (dedicated, disposable plastic scoop and tray) for QA/QC purposes.

Notes: Surface water sample numbers containing a 'D' (RBS-SW25D) indicates that the samples were analyzed for Dissolved Metals.

R2-0002226

SITE LOCATION AND SAMPLE LOCATION MAPS

LEGEND:

Site Location

National Geographic TOPO! U.S. Geologic Survey (USGS). 7.5 Minute Series (Topographic) Quadrangles: Keyport, NJ, 1977 and South Amboy, NJ, 1995.

TITLE:

Site Location Map
Raritan Bay Slag
Laurence Harbor, NJ

PROJECT: Raritan Bay Slag

CLIENT NAME: EPA

WESTON SOLUTIONS

DATE: August 2008

FIGURE #: 1

P:\SAT2\Raritan_Bay_Slag\MXD\05944_RBS_Site_Loc.mxd

R2-0002228

SOURCES:
1. SOURCE:
New Jersey 2002 High Resolution Orthophotography. State of New Jersey Office of Information Technology, Office of Geographic Information Systems. http://njgin.nj.gov/OIT_JWIndex.jsp.
2. Weston Solutions, Inc. Region 2 Removal Support Team 2, Site Logbooks RST2-02-F-0674, RST2-02-F-0675, and RST2-02-F-0676, April 20 - April 23, 2009.

Legend

- Soil Sample Location
- Surface Water Sample Location
- Sediment Sample Location

250 0 250 500
Graphic Scale In Feet

N
W E
S

WESTON SOLUTIONS SM

Weston Solutions, Inc.
205 Campus Drive Edison, New Jersey 08837-3939
TEL: (732) 417-5800 Fax: (732) 417-5801
http://www.westonsolutions.com

REPORT DATE: April 2009	PROJECT MANAGER: D. Gaughan	CLIENT NAME: EPA	DRAWING TITLE: Raritan Bay Slag Site April 2009 Sample Location Map
DRAWING PATH: 06951_RBS_April_Loc.mxd P:/SAT2/Raritan_Bay_Slag/MXD	CHECKED BY: D. Gaughan		
REVISION No.: 0	CONTRACT No.: EP-W-06-072	PROJECT NAME: Raritan Bay Slag Site	
WORK ORDER No.: 20401.032.011.2206	DRAWN/MODIFIED BY: J. Lynes DATE CREATED: 04/24/2009		FIGURE: 2 / SCALE: 1" = 250' / DATE: 04/30/2009

R2-0002229

APPENDIX C

TABLES

Table 1
Inorganic Analytical Results-Soil Samples
April 20-23, 2009
Raritan Bay Slag

Field Sample No.	RBS-S99		RBS-S100		RBS-S101		RBS-S102		RBS-S103		RBS-S104		RBS-S105		RBS-S106		RBS-S107		RBS-S108		RBS-S109		RBS-S110		RBS-S111		RBS-S112		RBS-S113	
EPA Sample No.	MB5JH5		MB5JH6		MB5JH7		MB5JH8		MB5JH9		MB5JJ0		MB5JJ1		MB5JJ2		MB5JJ3		MB5JJ4		MB5JJ5		MB5JJ6		MB5JJ7		MB5JJ8		MB5JJ9	
Sample Depth	0-2 in.		0-2 in.		0-2 in.		0-2 in.		0-2 in.		0-2 in.		0-2 in.		0-2 in.		0-2 in.		0-2 in.		0-2 in.		0-2 in.		0-2 in.		0-2 in.		0-2 in.	
Comment	MS/MSD																		Dup. of RBS-S107											
ALUMINUM	1250		1270		977		1180		856		1140		1040		1050		994		837		815		996		711		618		970	
ANTIMONY	6.2	U	6.1	U	6.2	U	6.3	U	6.1	U	6.1	U	6.1	U	6.1	U	6.2	U	6.2	U	6.2	U	6.2	U	6.2	U	6.2	U	6.2	U
ARSENIC	2		3.3		2.7		4.7		2.1		2.3		2.3		2.2		4.2		3.9		5		5.3		3.9		3.2		4.6	
BARIUM	20.6	UJ	20.2	UJ	20.7	UJ	20.8	UJ	20.2	UJ	20.3	UJ	20.2	UJ	20.2	J	20.6	UJ	20.8	J	20.7	UJ	20.8	UJ	20.6	UJ	20.5	UJ	20.5	UJ
BERYLLIUM	0.51	U	0.51	U	0.52	U	0.52	U	0.51	U	0.51	UJ	0.51	U	0.5	U	0.51	U	0.52	U	0.52	U	0.52	U	0.51	U	0.51	U	0.51	U
CADMIUM	0.51	U	0.51	U	0.52	U	0.52	U	0.51	U	0.51	U	0.51	U	0.5	U	0.029	J	0.015	J	0.023	J	0.52	U	0.51	U	0.51	U	0.51	U
CALCIUM	1750	J	506	UJ	973	J	521	UJ	506	J	329	J	485	J	907	J	2370	J	3760		2730		2710		4260		683	J	1690	J
CHROMIUM	4.1		10.3		7.9	J	8.8		7.1		5.9		5.3		7.1		13.2	J	8.4	J	7.2		13.5		7.2		4.8		10.1	
COBALT	1.2	J	1.2	J	0.97	J	1.1	J	0.94	J	1.1	J	0.95	J	0.97	J	0.57	J	0.5	J	0.45	J	0.6	J	0.36	J	0.41	J	0.49	J
COPPER	2.4	J	1.3	J	1.7	J	1.4	J	1.2	J	0.94	J	0.92	J	0.86	J	37.2		3.2	R	2.4	J	6.6		3	J	1.8	J	1.8	J
IRON	6700		13300		11500		22500		9600		6130		8230		7690		15100		12500		11200		16200		9960		9060		14300	
LEAD	2.1		2.6		2.8		3.6		3.7		2.7		3.2		2.7		17.9		18.5		22		24.4		19.1		17.8		33.4	
MAGNESIUM	650		464	J	369	J	509	J	349	J	558	J	498	J	474	J	192	J	174	J	187	J	357	J	170	J	164	J	211	J
MANGANESE	31.3		35		31.9		88.7		26.1		34.2		28		31.1		32.7		35.9		39		45.6		32.8		33.9		38.9	
NICKEL	2.3	J	4	J	1.4	J	1.9	J	1.7	J	1.9	J	2	J	1.7	J	1.4	J	1	J	0.79	J	1.1	J	0.59	J	0.64	J	1.2	J
POTASSIUM	514	UJ	506	UJ	517	UJ	521	UJ	506	UJ	663		523	J	575	J	514	UJ	520	UJ	516	UJ	519	UJ	515	UJ	513	UJ	514	UJ
SELENIUM	3.6	U	3.5	U	3.6	U	3.6	U	3.5	U	3.5	U	3.5	U	3.5	U	0.32	J	3.6	U	0.34	J	3.6	U	3.6	U	3.6	U	3.6	U
SILVER	1	U	1	U	1.2	J	1	UJ	1.3		1	U	1	U	1.2		1	UJ	1	UJ	1	UJ	1	U	1	UJ	1.4		1	UJ
SODIUM	514	U	506	UJ	517	U	521	UJ	506	U	507	U	506	U	504	U	514	U	520	U	516	U	519	U	515	U	513	U	514	U
THALLIUM	2.6	U	2.5	U	2.6	U	2.6	U	2.5	U	2.5	U	2.5	U	2.5	U	2.6	U	2.6	U	2.6	U	2.6	U	2.6	U	2.6	U	2.6	U
VANADIUM	6.9		19		16.9		25.8		14.8		8		11.4		10.3		16.4		18.2		14.7		26.1		14.3		11.2		15	
ZINC	9.3	J	10.5	J	8.8	J	12.7	J	7.3	J	9.1	J	8	J	8.9	J	35	J	21.8	J	17.7	J	27.9	J	14.4	J	15.4	J	23.6	J

All results in milligrams per kilogram (mg/kg)

U - Analyte not detected

J - Estimated concentration

UJ - The analyte was not quantifiable at or above the Contract Required Quantitation Limit (CRQL), or QA/QC requirements were not met

R - Unusable value

MS/MSD- Matrix Spike/Matrix Spike Duplicate

R2-0002231

Table 1
Inorganic Analytical Results-Soil Samples
April 20-23, 2009
Raritan Bay Slag

Field Sample No.	RBS-S114		RBS-S115		RBS-S116		RBS-S117		RBS-S118		RBS-S119		RBS-S120		RBS-S121		RBS-S122		RBS-S123		RBS-S124		RBS-S125		RBS-S126		RBS-S127		RBS-S128	
EPA Sample No.	MB5JK0		MB5JK1		MB5JK2		MB5JK3		MB5JK4		MB5JK5		MB5JK6		MB5JK7		MB5JK8		MB5JK9		MB5JL0		MB5JL1		MB5JL2		MB5JL3		MB5JL4	
Sample Depth	0-2 in.		0-2 in.		0-2 in.		0-2 in.		0-2 in.		0-2 in.		0-2 in.		0-2 in.		0-2 in.		0-2 in.		0-2 in.		0-2 in.		0-2 in.		0-2 in.		0-2 in.	
Comment											MS/MSD				Dup. of RBS-S120															
ALUMINUM	672		904		1130		818		562		474		1250	J	1000		1450	J	1020	J	1480	J	2270	J	956	J	2030	J	2990	J
ANTIMONY	6.3	U	6.2	U	6.1	U	6.2	U	6.2	U	6.2	U	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U	6.2	U	6.1	U	6.1	U
ARSENIC	3.1		3.1		5.3		7		2.5		1.6		5.3		4.1		7.5		4.3		6.9		9.3		6.1		9		16.5	
BARIUM	21.1	UJ	33.9	J	20.3	UJ	20.6	UJ	20.5	UJ	1.6	J	8.2	J	6.9	J	5.9	J	8.3	J	1.4	J	4.1	J	3.2	J	1.4	J	109	J
BERYLLIUM	0.53	U	0.51	U	0.51	U	0.51	U	0.51	U	0.078	J	0.33	J	0.3	J	0.48	J	0.33	J	0.5	UJ	0.78		0.35	J	0.56		0.59	
CADMIUM	0.53	U	0.51	U	0.51	U	0.51	U	0.51	U	0.52	U	0.51	U	0.51	U	0.51	U	0.51	U	0.03	J	0.078	J	0.012	J	0.031	J	0.075	J
CALCIUM	782	J	1950	J	2840		1300	J	3060		256	J	540		564		850		1660		718		934		762		1990		3270	
CHROMIUM	6.5		6.7		6.3		9.3		4.2		3.9		12.7		11.6		13.3		9.9		12.7		19.7		10.5		30		27	
COBALT	0.42	J	0.45	J	0.6	J	0.5	J	0.35	J	0.29	J	0.76	J	0.87	J	1.1	J	0.49	J	0.68	J	0.97	J	0.42	J	0.69	J	1	J
COPPER	5.3		10.1		2.5	J	2.7		2.2	J	6.6		6.1		9.9		6.6		3.6		3.8		5.6		7.4		3.4		7.9	
IRON	8370		9310		14400		14300		6250		4940		18800		13500		24400		14700		22800		37900		15000		28300		48400	
LEAD	17.4		159		19.5		19.8		24.5		20.6		53.8		61		93.1		36.2		44.5		40.5		37		30		199	
MAGNESIUM	149	J	214	J	207	J	200	J	154	J	102	J	228	J	165	J	221	J	166	J	222	J	385	J	421	J	261	J	512	
MANGANESE	28.6		61.2		35.5		39.1		28.7		27.8		35.4		37.4		44.1		30.8		49.8		55.8		31		42		181	
NICKEL	0.66	J	0.87	J	0.99	J	0.61	J	0.64	J	0.68	J	1.9	J	2.6	J	1.9	J	1	J	1.2	J	2.7	J	0.91	J	1.9	J	1.7	J
POTASSIUM	527	UJ	514	UJ	507	UJ	515	UJ	514	UJ	517	UJ	510	U	512	U	510	U	508	U	512	U	511	U	513	U	506	U	509	U
SELENIUM	3.7	U	3.6	U	3.5	U	3.6	U	3.6	U	3.6	U	0.44	J	0.33	J	0.4	J	0.38	J	0.42	J	0.49	J	0.42	J	0.61	J	0.62	J
SILVER	1.1	U	1.1		1.2	J	1	UJ	1	U	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1.3	R	1	R	1	UJ	1	UJ	1	UJ
SODIUM	527	U	514	U	507	U	515	U	514	U	517	U	510	U	512	U	510	U	508	U	512	U	511	U	513	U	509	U	509	U
THALLIUM	2.6	U	2.6	U	2.5	U	2.6	U	2.6	U	2.6	U	2.5	U	2.6	U	2.6	U	2.5	U	2.6	U	2.6	U	2.6	U	2.5	U	2.5	U
VANADIUM	10.2		11.6		19.3		15.4		9.5		7	J	24.4		18.5		28.1		18		30		37		17.1		43.1		102	
ZINC	14.9	J	43	J	23.3	J	18.5	J	14.6	J	14.5		31.7	J	66.3	J	32.7		25		29.1		37.5		23.1		33.8		140	

All results in milligrams per kilogram (mg/kg)

U - Analyte not detected

J - Estimated concentration

UJ - The analyte was not quantifiable at or above the Contract Required Quantitation Limit (CRQL), or QA/QC requirements were not met

R - Unusable value

MS/MSD- Matrix Spike/Matrix Spike Duplicate

R2-0002232

Table 1
Inorganic Analytical Results-Soil Samples
April 20-23, 2009
Raritan Bay Slag

Field Sample No.	RBS-S129		RBS-S130		RBS-S131		RBS-S132		RBS-S133		RBS-S134		RBS-S135		RBS-S136		RBS-S137		RBS-S138		RBS-S139		RBS-S140		RBS-S141		RBS-S142		RBS-S143	
EPA Sample No.	MB5JL5		MB5JL6		MB5JL7		MB5JL8		MB5JL9		MB5JM0		MB5JM1		MB5JM2		MB5JM3		MB5JM4		MB5JM5		MB5JM6		MB5JM7		MB5JM8		MB5JM9	
Sample Depth	0-2 in.		0-2 in.		0-2 in.		0-2 in.		0-2 in.		0-2 in.		0-2 in.		0-2 in.		0-2 in.		0-2 in.		0-2 in.		0-2 in.		0-2 in.		0-2 in.		0-2 in.	
Comment																					MS/MSD									
ALUMINUM	1610	J	1180	J	664	J	1050	J	806	J	1950	J	1130	J	1300	J	1960	J	1820	J	2910	J	1180	J	1400	J	1710	J	1730	J
ANTIMONY	6.1	U	6.2	U	6.3	U	6.1	U	6.2	U	6.1	U	6.3	U	6.2	U	0.36	J	6.4	U	6.3	UJ	6.3	UJ	6.1	UJ	6.1	UJ	6.3	UJ
ARSENIC	8.1		6.2		2.7		4.7		3.8		9.7		4.9		6.7		4.7		7.3		9.2	J	3.4	J	2.7	J	2.4	J	2.1	J
BARIUM	1.8	J	20.8	UJ	21	UJ	20.3	UJ	20.5	UJ	20.3	UJ	20.9	UJ	20.7	UJ	21.1	UJ	21.3	UJ	4.7	J	3	J	3.1	J	2.8	J	6.1	J
BERYLLIUM	0.53		0.52	U	0.52	U	0.51	U	0.51	U	0.75		0.52	U	0.52	U	0.53	U	0.53	U	0.52	U	0.52	U	0.51	U	0.51	U	0.53	U
CADMIUM	0.041	J	0.52	U	0.52	U	0.51	U	0.51	U	0.51	U	0.52	U	0.52	U	0.53	U	0.53	U	0.52	U	0.52	U	0.51	U	0.51	U	0.53	U
CALCIUM	7230		3320		124	J	775		566		434	J	308	J	444	J	307	J	18.6	J	524	U	522	U	1110		1830		915	
CHROMIUM	61.7		11.9		5.2		7.5		6.1		24.3		10.3		13.6		11.6		10.3		12.3	J	7.9	J	6.1	J	7.3	J	5.3	J
COBALT	0.57	J	0.62	J	0.47	J	0.56	J	0.52	J	1	J	0.53	J	0.72	J	0.81	J	0.7	J	0.74	J	0.4	J	1.2	J	1.3	J	1.1	J
COPPER	13.6		2.3	J	2.8		3.9		4.9		12		11.9		8.8		11		2	J	3.2		2.8		1.6	J	1	J	7.7	
IRON	37800		20600		6600		14500		10000		34600		15600		19100		13100		21700		32600		12400		7030		6670		7460	
LEAD	13.7		18.3		25.7		42.5		27.6		30		24.5		39.8		26.5		3		3.8		6.2		3.5		1.7		9.2	
MAGNESIUM	291	J	173	J	156	J	143	J	120	J	239	J	186	J	194	J	217	J	214	J	437	J	191	J	582		755		600	
MANGANESE	46.6		49.9		30.4		30.1		27.4		62.9		27.3		31.6		22.8		14.9		28.8		20.1		30.3		33.1		26.2	
NICKEL	0.7	J	1.2	J	0.89	J	1.3	J	1.1	J	1.8	J	1.5	J	1.8	J	1.4	J	0.084	J	0.52	J	0.41	J	2.3	J	2.7	J	2.6	J
POTASSIUM	506	U	520	U	525	U	508	U	513	U	509	U	524	U	517	U	528	U	720		1240		297	J	791		993		184	J
SELENIUM	0.89	J	0.31	J	3.7	U	3.6	U	3.6	U	3.6	U	3.7	U	3.6	U	3.7	U	0.38	J	0.76	J	0.32	J	0.39	J	3.6	U	3.7	U
SILVER	1	UJ	1.9	J	1	UJ	1	UJ	1	UJ	2.8	J	1.8	J	1.9	J	1.4	J	2.1	J	8.3	J	2.9	J	2.8	J	1.9	J	2.4	J
SODIUM	506	U	22.4	J	6.9	J	508	U	513	U	509	U	524	U	517	U	528	U	532	U	524	U	522	U	509	U	12	J	59.4	J
THALLIUM	2.5	U	2.6	U	2.6	U	2.5	U	2.6	U	2.5	U	2.6	U	2.6	U	2.6	U	2.7	U	2.6	U	2.6	U	2.5	U	2.6	U	2.6	U
VANADIUM	37.6		25		10.4		18.8		14.9		42.4		22		28.7		22.4		36.7		45		18.9		8.8		8.7		11.1	
ZINC	35.9		25.4		15.7		21.2		19.9		37.1		19.7		30		19.1		9.7		12.7	J	6.5	J	8.8	J	8.5	J	19.6	J

All results in milligrams per kilogram (mg/kg)

U - Analyte not detected

J - Estimated concentration

UJ - The analyte was not quantifiable at or above the Contract Required Quantitation Limit (CRQL), or QA/QC requirements were not met

R - Unusable value

MS/MSD- Matrix Spike/Matrix Spike Duplicate

R2-0002233

Table 1
Inorganic Analytical Results-Soil Samples
April 20-23, 2009
Raritan Bay Slag

Field Sample No.	RBS-S144		RBS-S145		RBS-S148		RBS-S149		RBS-S150		RBS-S151		RBS-S152		RBS-S153		RBS-S154		RBS-S155		RBS-S156		RBS-S157		RBS-S158		RBS-S159		RBS-S160	
EPA Sample No.	MB5JN0		MB5JN1		MB5JN4		MB5JN5		MB5JN6		MB5JN7		MB5JN8		MB5JN9		MB5JP0		MB5JP1		MB5JP2		MB5JP3		MB5JP4		MB5JP5		MB5JP6	
Sample Depth	0-2 in.		0-2 in.		0-2 in.		0-2 in.		0-2 in.		0-2 in.		0-2 in.		0-2 in.		0-2 in.		0-2 in.		0-2 in.		0-2 in.		0-2 in.		0-2 in.		0-2 in.	
Comment			Dup. of RBS-S144																								MS/MSD			
ALUMINUM	1710	J	1150	J	1250		499		928		1080		932		795		1120		400		952		656		544		1000		1250	
ANTIMONY	0.23	J	1.3	J	25.2	J	9.1	J	21.1	J	14.9	J	9.5	J	9	J	11.4	J	7.1	UJ	18.4	J	25.6	J	6.4	J	53.9	J	6.5	UJ
ARSENIC	6.9	J	6	J	20.7	J	8.7	J	21.8	J	20.4	J	13.8	J	9.1	J	17	J	1.5	J	24.4	J	20.4	J	7.8	J	43.8	J	3	J
BARIUM	6.8	J	4.5	J	20.2	J	9	J	11.7	J	13.9	J	14.8	J	2.3	J	11	J	1.5	J	18.8	J	9.4	J	4.8	J	44.6		3.5	J
BERYLLIUM	0.52		0.51	U	0.61	U	0.53	U	0.57	U	0.53	U	0.52	U	0.53	U	0.52	U	0.59	U	0.52	U	0.52	U	0.52	U	0.53	U	0.55	U
CADMIUM	0.51	U	0.51	U	1.5	J	0.41	J	0.67	J	0.99	J	0.96	J	0.55	J	0.87	J	0.12	J	0.82	J	0.33	J	0.22	J	0.99	J	0.096	J
CALCIUM	2400	J	659	J	1280		532	U	570	U	1140		521	U	695		822		588	U	519	U	524	U	741		529	U	1400	
CHROMIUM	10.8	J	12.5	J	10.9		6.4		8.1		9.6		17.1		12		10.4		3.6		9.4		4.8		4.4		13.7		6.4	
COBALT	0.59	J	0.62	J	0.76	J	5.3	U	5.4	U	5.1	U	5.1	U	5.1	U	5.1	U	5.7	U	5.1	U	5	U	5.2	U	0.56	J	0.75	J
COPPER	5.8		8.7		31.4	J	10.8	J	10.4	J	15.1	J	7.1	J	5.7	J	11.4	J	2.3	J	14.2	J	12.1	J	6.2	J	43.4	J	3.7	J
IRON	22400	J	14500	J	27900		9750		15200		21400		20900		12400		20200		4040		18400		9820		7100		18900		4880	
LEAD	42.3		57.2		721		196		192		388		167		176		195		17.3		399		305		128		771		12.7	
MAGNESIUM	510	U	510	U	424	J	174	J	277	J	297	J	216	J	279	J	324	J	93.4	J	192	J	147	J	169	J	185	J	636	
MANGANESE	27.4		31.3		103		35.8		47.2		60.5		77.8		30.9		65.3		27.5		57.3		42.2		30		74.1		44.5	
NICKEL	1.6	J	1.5	J	6.1	J	5.1	J	4.6	UJ	4.3	UJ	4.2	UJ	4.3	UJ	4.2	UJ	4.7	UJ	4.1	UJ	1.6	J	1.5	J	6.7	J	3.1	J
POTASSIUM	139	J	143	J	171	J	121	J	128	J	131	J	105	J	110	J	142	J	50.3	J	148	J	524	U	522	U	161	J	565	
SELENIUM	0.46	J	3.6	U	2.4	J	0.73	J	1.1	J	1.6	J	1.7	J	0.7	J	1.3	J	4	U	1.4	J	0.62	J	0.41	J	1.6	J	0.32	J
SILVER	4.9	J	3.2	J	1.2	U	1.1	U	1.1	U	1	U	1	U	1	U	1	U	1.1	U	1	U	1	U	1	U	1.1	U	1.1	U
SODIUM	22.4	J	510	U	612	U	532	U	570	U	532	U	521	U	532	U	522	U	588	U	519	U	524	U	522	U	529	U	545	U
THALLIUM	2.6	U	2.6	U	3	UJ	2.7	UJ	2.7	UJ	2.5	UJ	2.6	UJ	2.6	UJ	2.5	UJ	2.9	UJ	2.6	UJ	2.5	UJ	2.6	UJ	2.6	UJ	2.7	UJ
VANADIUM	20		19.1		33.6		8.2		18.5		20.8		25		15.8		22.1		6.7		25.6		14		10.1		16.9		6.2	
ZINC	25.6	J	39.7	J	64.9		19.8		29.6		41.2		31		23.3		35		12		41.5		26.6		20		64.8		11.2	

All results in milligrams per kilogram (mg/kg)
U - Analyte not detected
J - Estimated concentration
UJ - The analyte was not quantifiable at or above the Contract Required Quantitation Limit (CRQL), or QA/QC requirements were not met
R - Unusable value
MS/MSD- Matrix Spike/Matrix Spike Duplicate

R2-0002234

Table 1
Inorganic Analytical Results-Soil Samples
April 20-23, 2009
Raritan Bay Slag

Field Sample No.	RBS-S161		RBS-S162		RBS-S163		RBS-S164		RBS-S165		RBS-S166		RBS-S167		RBS-S168		RBS-S169		RBS-S170		RBS-S171		RBS-S172		RBS-S173		RBS-S174		RBS-S175	
EPA Sample No.	MB5JP7		MB5JP8		MB5JP9		MB5JQ0		MB5JQ1		MB5JQ2		MB5JQ3		MB5JQ4		MB5JQ5		MB5JQ6		MB5JQ7		MB5JQ8		MB5JQ9		MB5JR0		MB5JR1	
Sample Depth	0-2 in.		0-2 in.		0-2 in.		0-2 in.		0-2 in.		0-2 in.		0-2 in.		0-2 in.		0-2 in.		0-2 in.		0-2 in.		0-2 in.		0-2 in.		0-2 in.	
Comment	Dup. of RBS-S160																													
ALUMINUM	1460		1910		199		160		627		1160		1990		1140		774		597		528		758		835		254		1280	
ANTIMONY	6.5	UJ	6.5	UJ	7.2	U	6.7	U	6.3	U	6.3	U	6.4	U	6.3	U	6.5	U	6.3	U	6.3	U	6.4	U	6.4	U	6.7	U	6.7	U
ARSENIC	2.6	J	6.4	J	0.91	J	0.86	J	3.9	J	10	J	11.4	J	5.4	J	2.9	J	2.2	J	3	J	3.7	J	3.8	J	1.7	J	6.9	J
BARIUM	5	J	3.2	J	24.1	UJ	22.3	UJ	21	UJ	21	UJ	21.2	UJ	20.9	UJ	21.6	UJ	21.2	UJ	21.1	UJ	21.3	UJ	21.4	UJ	22.2	UJ	22.2	U
BERYLLIUM	0.54	U	0.54	U	0.6	U	0.56	U	0.52	U	0.52	U	0.53	U	0.52	U	0.54	U	0.53	U	0.051	J	0.075	J	0.11	J	0.55	U	0.34	J
CADMIUM	0.12	J	0.15	J	0.6	U	0.56	U	0.52	U	0.52	U	0.53	U	0.52	U	0.54	U	0.53	U	0.53	U	0.53	U	0.53	U	0.55	U	0.55	U
CALCIUM	1610		1990		514	J	59.1	J	215	J	96	J	1060		104	J	549		534		1500		76.2	J	172	J	87.2	J	147	J
CHROMIUM	6.7		6.4		4.2		2		5.7		12.8		29.7		10.3		5.6		7.7		4.6		6.3		5.6		2.5		14.5	
COBALT	1	J	1	J	6	U	5.6	U	5.2	U	5.2	U	5.3	U	5.2	U	5.4	U	5.3	U	5.3	U	5.3	U	5.3	U	5.5	U	5.5	U
COPPER	4.4	J	58.9	J	4.3		0.46	J	2.8		1.8	J	5		2.8		1.9	J	1.3	J	2	J	2.3	J	5.3		0.96	J	2.7	J
IRON	5000		5660		1800	J	2170	J	10600	J	25900	J	45000	J	23700	J	15000	J	9860	J	8320	J	13900	J	11400	J	4210	J	22500	J
LEAD	10.1		27.8		1.7	J	1.8	J	3.6	J	4.9	J	7.8	J	6.4	J	3.7	J	5.4	J	11.8	J	4.1	J	3.9	J	3.3	J	5.5	J
MAGNESIUM	646		639		604	U	558	U	524	U	525	U	530	U	522	U	541	U	529	U	145	J	179	J	166	J	109	J	266	J
MANGANESE	37.8		33.3		11	J	9.3	J	25.5	J	32.3	J	67	J	41.5	J	24	J	18.4	J	19.1	J	26.2	J	19.1	J	8.9	J	35.6	J
NICKEL	3	J	3.4	J	0.15	J	0.074	J	0.49	J	1	J	2.6	J	0.73	J	0.23	J	0.47	J	0.38	J	0.65	J	0.42	J	0.17	J	0.98	J
POTASSIUM	626		657		604	U	558	U	524	U	525	U	530	U	522	U	541	U	529	U	528	U	532	U	535	U	554	U	555	U
SELENIUM	0.31	J	0.4	J	4.2	U	3.9	U	3.7	U	0.64	J	0.41	J	0.36	J	0.54	J	3.7	U	3.7	U	3.7	U	3.7	U	3.9	U	0.43	J
SILVER	1	U	1	U	1.2	UJ	1.1	UJ	2.1	J	5.3	J	9.2	J	4.8	J	3	J	2	J	1.7	J	2.8	J	2.3	J	0.89	J	4.6	J
SODIUM	538	U	539	U	971		558	U	524	U	525	U	530	U	522	U	541	U	529	U	528	U	532	U	535	U	554	U	555	U
THALLIUM	2.6	UJ	2.6	UJ	3	U	2.8	U	2.6	U	2.6	U	2.6	U	2.6	U	2.7	U	2.6	U	2.6	U	2.7	U	2.7	U	2.8	U	2.8	U
VANADIUM	6.2		7.6		3.1	J	3.1	J	13.5		22.4		47.4		24.6		12.1		10.6		13.6		17.9		11.8		4.2	J	24.1	
ZINC	12.6		10.9		5.1	J	4.3	J	17.7		21.3		52.5		28.7		16.9		14.7		13.4		18.9		14.2		7		25.7	

All results in milligrams per kilogram (mg/kg)
U - Analyte not detected
J - Estimated concentration
UJ - The analyte was not quantifiable at or above the Contract Required Quantitation Limit (CRQL), or QA/QC requirements were not met
R - Unusable value
MS/MSD- Matrix Spike/Matrix Spike Duplicate

R2-0002235

Table 1
Inorganic Analytical Results-Soil Samples
April 20-23, 2009
Raritan Bay Slag

Field Sample No.	RBS-S176		RBS-S177		RBS-S178		RBS-S179		RBS-S180		RBS-S181		RBS-S182		RBS-S183		RBS-S184		RBS-S185		RBS-S186		RBS-S187		RBS-S188		RBS-S189		RBS-S190	
EPA Sample No.	MB5JR2		MB5JR3		MB5JR4		MB5JR5		MB5JR6		MB5JS0		MB5JS1		MB5JS2		MB5JS3		MB5JS4		MB5JS5		MB5JS6		MB5JS7		MB5JS8		MB5JS9	
Sample Depth	0-2 in.		0-2 in.		0-2 in.		0-2 in.		0-2 in.		0-2 in.		0-2 in.		0-2 in.		0-2 in.		0-2 in.		0-2 in.		0-2 in.		0-2 in.		0-2 in.		0-2 in.	
Comment							MS/MSD				Dup. of RBS-S180																			
ALUMINUM	216		651		274		1030		823		822		705		220		255		234		263		288		462		271		293	
ANTIMONY	6.5	U	6.4	U	6.3	U	6.3	U	6.3	U	6.3	U	6.3	U	6.3	U	6.3	U	6.3	U	6.3	U	6.3	U	6.3	U	6.3	U	6.3	U
ARSENIC	1.2	J	4.3	J	1.9	J	5.5	J	2.8	R	7.7	J	3.3	J	1.1		1.1		1.2		1.3		1.6		2.1		1.2		1.1	
BARIUM	21.7	UJ	21.5	UJ	21	UJ	20.9	UJ	20.8	UJ	20.9	UJ	21	UJ	21.1	U	20.9	U	21	U	20.8	U	20.9	U	21	U	20.9	U	20.9	U
BERYLLIUM	0.54	U	0.54	U	0.53	U	0.52	U	0.52	U	0.52	U	0.53	U	0.032	J	0.029	J	0.024	J	0.034	J	0.031	J	0.064	J	0.031	J	0.035	J
CADMIUM	0.54	U	0.54	U	0.53	U	0.52	U	0.52	U	0.52	U	0.53	U	0.53	U	0.52	U	0.52	U	0.52	U	0.52	U	0.53	U	0.52	U	0.52	U
CALCIUM	50	J	676		53.9	J	210	J	2370	J	714	J	1600		45.3	J	85.6	J	53	J	79.6	J	79.3	J	187	J	113	J	78.2	J
CHROMIUM	3.1		10.6		3		7.8		10.8		10.6		10		1.9		3		3.5		3.7		2.9		4.2		4.1		5.5	
COBALT	5.4	U	0.66	J	0.22	J	2	J	0.35	J	1.1	J	0.38	J	0.15	J	0.16	J	0.14	J	0.17	J	0.17	J	0.31	J	0.16	J	0.21	J
COPPER	0.58	J	35.8		1.6	J	2.4	J	1.4	J	1.9	J	3.6		0.75	J	2.8		1	J	2.4	J	0.92	J	1.5	J	3.9		3	
IRON	3050	J	12300	J	4340	J	20700	J	12000	J	22100	J	11100	J	2550		2870		3000		3560		3870		7010		3360		4150	
LEAD	2.8	J	4.6	J	3.6	J	5.8	J	3.7	J	4.9	J	7	J	2.7		3.1		2.8		4.8		3.8		3.6		4		11.8	
MAGNESIUM	86.5	J	176	J	67.8	J	211	J	159	J	188	J	184	J	43.2	J	52.6	J	42.3	J	53.6	J	78.2	J	86.1	J	53.4	J	53	J
MANGANESE	10.5	J	36.4	J	13.4	J	56.3	J	22.6	J	54	J	33.4	J	24.6		20		19.5		18.5		19.2		21.6		14.7		19	
NICKEL	0.17	J	0.97	J	0.53	J	2	J	0.78	J	1.6	J	0.61	J	0.32	J	0.33	J	0.35	J	0.33	J	0.27	J	0.41	J	0.28	J	0.44	J
POTASSIUM	542	U	537	U	525	U	524	U	521	U	522	U	526	U	34.2	J	35.9	J	33.7	J	40.6	J	41.9	J	70.9	J	29.5	J	36.9	J
SELENIUM	3.8	U	0.38	J	3.7	U	0.36	J	3.6	U	0.39	J	3.7	U	3.7	U	3.7	U	3.7	U	3.6	U	3.7	U	3.7	U	3.7	U	3.7	U
SILVER	0.6	J	2.5	J	0.81	J	4.2	J	2.4	J	4.6	J	2.3	J	1.1	U	1	U	1	U	1	U	1	U	0.68	J	1	U	1	U
SODIUM	542	U	537	U	525	U	524	U	521	U	522	U	526	U	527	U	524	U	525	U	521	U	524	U	9.9	J	522	U	523	U
THALLIUM	2.7	U	2.7	U	2.6	U	2.6	U	2.6	U	2.6	U	2.6	U	2.6	U	2.6	U	2.6	U	2.6	U	2.6	U	2.6	U	2.6	U	2.6	U
VANADIUM	4.4	J	12.3		5.1	J	15		16.9	R	43.7		12.9		4	J	4.2	J	4.4	J	5.7		5.7		9.6		4.9	J	8.7	
ZINC	6	J	18.7		10.1		27.6		14.7		23.2		20.5		6.3	R	7.1	R	6.8	R	9.1	R	8.9	R	13	R	7.4	R	9	R

All results in milligrams per kilogram (mg/kg)

U - Analyte not detected

J - Estimated concentration

UJ - The analyte was not quantifiable at or above the Contract Required Quantitation Limit (CRQL), or QA/QC requirements were not met

R - Unusable value

MS/MSD- Matrix Spike/Matrix Spike Duplicate

R2-0002236

Table 1
Inorganic Analytical Results-Soil Samples
April 20-23, 2009
Raritan Bay Slag

Field Sample No.	RBS-S191		RBS-S192		RBS-S193		RBS-S194		RBS-S195		RBS-S196		RBS-S197		RBS-S198		RBS-S199		RBS-S200		RBS-S201		RBS-S202		RBS-S203		RBS-S204	
EPA Sample No.	MB5JT0		MB5JT1		MB5JT2		MB5JT3		MB5JT4		MB5JT5		MB5JT6		MB5JT7		MB5JT8		MB5JT9		MB5JW0		MB5JW1		MB5JW2		MB5JW3	
Sample Depth	0-2 in.		0-2 in.		0-2 in.		0-2 in.		0-2 in.		0-2 in.		0-2 in.		0-2 in.		0-2 in.		0-2 in.		0-2 in.		0-2 in.		0-2 in.		0-2 in.	
Comment															MS/MSD				Dup. of RBS-S199									
ALUMINUM	318		322		291		357		199		340		178		189		179		184		165		381		1120		677	
ANTIMONY	6.3	U	6.3	U	6.3	U	6.2	U	6.2	U	6.2	U	6.4	U	6.3	U	6.3	U	6.2	U	6.2	U	6.3	U	6.4	U	6.4	U
ARSENIC	1.4		1.6		1.3		1.6		0.83	J	1.6		0.87	J	0.98	J	0.69	J	0.9	J	0.71	J	1.7		6.5	J	3.8	J
BARIUM	21	U	21.1	U	21.1	U	20.7	U	20.7	U	20.6	U	21.3	U	21	U	20.9	U	20.8	U	20.6	U	20.9	U	21.3	UJ	21.3	UJ
BERYLLIUM	0.038	J	0.066	J	0.041	J	0.044	J	0.026	J	0.039	J	0.53	U	0.52	U	0.02	J	0.018	J	0.52	U	0.052	J	0.53	U	0.53	U
CADMIUM	0.53	U	0.53	U	0.53	U	0.52	U	0.52	U	0.52	U	0.53	U	0.52	U	0.52	U	0.52	U	0.52	U	0.52	U	0.53	U	0.53	U
CALCIUM	160	J	41.4	J	52.9	J	98.7	J	54.1	J	207	J	39.6	J	25.3	J	22.5	J	25.7	J	27.1	J	98.1	J	956		533	U
CHROMIUM	3.3		5.1		4.6		3.7		2.7		5.3		1.6		1.8		1.4		1.7		1.3		4.7		14.6	J	7.4	J
COBALT	5.3	U	5.3	U	5.3	U	5.2	U	5.2	J	5.2	U	5.3	U	5.2	U	5.2	J	5.2	U	5.2	U	5.2	J	5.3	U	5.3	U
COPPER	1.8	J	5.2		1.2	J	1.2	J	0.64	J	6.9		1.1	J	0.58	J	0.49	J	0.56	J	0.51	J	1.9	J	6.3		2.1	J
IRON	3990		4570		3840		4720		2370		3930		2080		2050		1900		2040		1670		5370		23900	J	10500	J
LEAD	4.8		28.9		8.9		3.6		5.2		3		2.2		2.1		2.5		2.1		2		3.5		17.5		5.9	
MAGNESIUM	60.9	J	57.4	J	49.7	J	56.2	J	31.6	J	59.4	J	30.1	J	22.8	J	26.8	J	27.8	J	30.6	J	71.9	J	276	J	151	J
MANGANESE	16.4		18.2		19		18.5		13.6		14.5		11.6		12.7		11		11.3		9.4		18		60.3	J	25.8	J
NICKEL	0.24	J	0.65	J	0.36	J	0.3	J	0.16	J	0.3	J	0.13	J	0.15	J	0.16	J	0.15	J	0.12	J	0.2	J	1.8	J	0.73	J
POTASSIUM	46.5	J	27.8	J	41.8	J	45.4	J	21.1	J	32.3	J	22.3	J	20.9	J	18	J	22	J	12.7	J	43.6	J	534	U	533	U
SELENIUM	3.7	U	0.36	J	3.7	U	3.6	U	3.6	U	3.6	U	3.7	U	3.7	U	3.7	U	0.38	J	3.6	U	0.42	J	0.44	J	3.7	U
SILVER	1.1	U	1.1	U	1.1	U	1	U	1	U	1	U	1.1	U	1	U	1	U	1	U	1	U	0.48	J	2.7	J	1.2	J
SODIUM	10.9	J	527	U	527	U	517	U	517	U	515	U	532	U	524	U	522	U	521	U	33.5	J	6.4	J	534	U	533	U
THALLIUM	2.6	U	2.6	U	2.6	U	2.6	U	2.6	U	2.6	U	2.7	U	2.6	U	2.6	U	2.6	U	2.6	U	2.6	U	2.7	U	2.7	U
VANADIUM	6.2		8.9		7.8		7.2		4.7	J	5.4		3.3	J	3.5	J	3.4	J	3.2	J	2.8	J	7.4		31.4	J	12.6	J
ZINC	8.8	R	14.7	R	9.2	R	8.8	R	5.2	R	8.1	R	4.5	R	5	R	4.7	R	4.5	R	4.2	R	9.1	R	33	J	17.3	J

All results in milligrams per kilogram (mg/kg)

U - Analyte not detected

J - Estimated concentration

UJ - The analyte was not quantifiable at or above the Contract Required Quantitation Limit (CRQL), or QA/QC requirements were not met

R - Unusable value

MS/MSD- Matrix Spike/Matrix Spike Duplicate

R2-0002237

Table 2
Inorganic Analytical Results-Soil Samples at Depth
April 20-23, 2009
Raritan Bay Slag

Field Sample No.	RBS-S207A		RBS-S207B		RBS-S207C		RBS-S207D		RBS-S207E		RBS-S208A		RBS-S208B		RBS-S208C		RBS-S208D		RBS-S209A		RBS-S209B		RBS-S209C		RBS-S209D		RBS-S210A		RBS-S210B	
EPA Sample No.	MB5KD3		MB5KD4		MB5KD5		MB5KD6		MB5KD7		MB5KD8		MB5KD9		MB5KE0		MB5KE1		MB5KE2		MB5KE3		MB5KE4		MB5KE5		MB5KE6		MB5KE7	
Sample Depth	0-2 in.		6-12 in.		12-18 in.		18-24 in.		0-2 in.		0-2 in.		6-12 in.		12-18 in.		18-24 in.		0-2 in.		6-12 in.		12-18 in.		18-24 in.		0-2 in.		6-12 in.	
Comment									Dup. of RBS-S207A																					
ALUMINUM	1090		1160		1390		1480		1910		899		846		1040		598		639		687		602		434		790		1200	
ANTIMONY	0.22	J	0.96	J	0.63	J	0.54	J	0.96	J	0.23	J	0.75	J	0.35	J	0.25	J	0.32	J	0.2	J	0.28	J	7.5	U	0.7	J	1.2	J
ARSENIC	2.9	J	6.6	J	7.6	J	5.7	J	12.1	J	1.4	J	2.1	J	2.1	J	1.7	J	2	J	1.7	J	2.7	J	1.3	UJ	3.3	J	6.8	J
BARIUM	1.8	J	1.7	J	2.6	J	1.6	J	2.5	J	1.8	J	2	J	1.7	J	1.7	J	3.1	J	2.6	J	2.3	J	2.2	J	3.8	J	3.2	J
BERYLLIUM	0.17	J	0.29	J	0.2	J	0.22	J	0.29	J	0.14	J	0.2	J	0.49	J	0.4	J	0.34	J	0.26	J	0.25	J	0.15	J	0.23	J	0.62	
CADMIUM	0.52	U	0.53	U	0.53	U	0.55	U	0.51	U	0.52	U	0.52	U	0.61	U	0.6	U	0.53	U	0.56	U	0.57	U	0.62	U	0.5	U	0.52	U
CALCIUM	2470		432	J	95.5	J	91.8	J	1770		522	J	808		121	J	102	J	117	J	92.7	J	105	J	101	J	1410		712	
CHROMIUM	7.1		15.9		11.1		12.1		10.4		4.4		13.4		12.8		5		5.2		4.5		4.4		2.8		9.8		12.9	
COBALT	1.3	J	1	J	1.2	J	0.77	J	2.5	J	0.89	J	0.76	J	0.9	J	0.39	J	0.51	J	0.65	J	0.48	J	6.2	U	0.6	J	1.9	J
COPPER	2.1	J	4.2	J	7.1	J	6.5	J	4.3	J	1.2	J	3.8	J	4.6	J	2.9	J	3.7	J	1.6	J	2.1	J	1.1	J	7.5	J	10.6	J
IRON	9560		22400		15800		13200		34900		5360		7300		9350		6240		8350		6230		11200		3740		10100		24700	
LEAD	2.4		15		25.5		14.1		3.5		2.1		23.3		24.4		12		2.8		2.6		3		2.5		25		30.8	
MAGNESIUM	507	J	281	J	214	J	179	J	769		434	J	349	J	219	J	198	J	165	J	163	J	190	J	202	J	226	J	313	J
MANGANESE	35.7		29.3		74.2		61.8		59.6		28.1		24.5		31		14.2		10		7.3		7.4		4.6		38.3		69.7	
NICKEL	3.3	J	2.4	J	3.4	J	3.8	J	4.3		2	J	2.1	J	2.1	J	1	J	1	J	1.3	J	0.98	J	0.55	J	1.7	J	5.3	
POTASSIUM	291	J	189	J	96.2	J	90.7	J	279	J	312	J	203	J	88.4	J	92	J	88.6	J	95.7	J	99.6	J	98.1	J	87.6	J	104	J
SELENIUM	3.6	U	3.7	U	3.7	U	3.9	U	3.6	U	3.7	U	3.6	U	4.3	U	4.2	U	3.7	U	3.9	U	4	U	4.4	U	3.5	U	3.6	U
SILVER	1	U	1.1	U	1.1	U	1.1	U	1	U	1	U	1	U	1.2	U	1.2	U	1.1	U	1.1	U	1.1	U	1.2	U	1	U	1	U
SODIUM	303	J	308	J	396	J	517	J	319	J	290	J	432	J	1100		966		547		749		983		1280		454	J	420	J
THALLIUM	2.6	U	2.6	U	2.6	U	2.8	U	0.58	J	2.6	U	2.6	U	3	U	3	U	2.6	U	2.8	U	2.9	U	3.1	U	2.5	U	2.6	U
VANADIUM	13.2		28.3		20.3		23.6		48.1		6.6		8.9		11.9		12.6		13.6		10.7		12.3		6.8		14.2		25.1	
ZINC	9.1	J	18.5	J	29	J	28.8	J	21.1	J	6.6	J	10	J	13	J	8	J	6.3	J	4.9	J	4.8	J	2.9	J	23.9	J	48.6	J

All results in milligrams per kilogram (mg/kg)

U - Analyte not detected

J - Estimated concentration

UJ - The analyte was not quantifiable at or above the Contract Required Quantitation Limit (CRQL), or QA/QC requirements were not met

R - Unusable value

MS/MSD- Matrix Spike/Matrix Spike Duplicate

R2-0002238

Table 2
Inorganic Analytical Results-Soil Samples at Depth
April 20-23, 2009
Raritan Bay Slag

Field Sample No.	RBS-S210C		RBS-S210D		RBS-S211A		RBS-S211B		RBS-S211C		RBS-S211D		RBS-S211E		RBS-S212A		RBS-S212B		RBS-S212C		RBS-S212D		RBS-S213A		RBS-S213B		RBS-S213C		RBS-S213D	
EPA Sample No.	MB5KE8		MB5KE9		MB5KF0		MB5KF1		MB5KF2		MB5KF3		MB5KF4		MB56S5		MB56S6		MB56S7		MB56S8		MB56S9		MB56T0		MB56T1		MB56T2	
Sample Depth	12-18 in.		18-24 in.		0-2 in.		6-12 in.		12-18 in.		18-24 in.		0-2 in.		0-2 in.		6-12 in.		12-18 in.		18-24 in.		0-2 in.		6-12 in.		12-18 in.		18-24 in.	
Comment													Dup. of RBS-S211A																	
ALUMINUM	990		650		945		1060		1260		816		1120		1200		1060		1240		1660		1030		720		1090		864	J
ANTIMONY	1	J	6.3	U	6.2	U	6.2	U	6.3	U	6.3	U	6.3	U	6.3	U	6.3	U	6.3	U	6.4	U	15.7		6.8	U	7.3	U	7.5	U
ARSENIC	5.6	J	2.8		5.3		10.1		4.5		6.9		4.1		4.8		5.7		4.6		25.7		13.9		6.2		8.2		4.7	
BARIUM	3.6	J	1.9	J	6.4	J	1.6	J	2.5	J	1.1	J	1.2	J	1.9	J	2.4	J	7.7	J	5	J	21.5		9	J	3.4	J	1.7	J
BERYLLIUM	0.33	J	0.52	U	0.52	U	0.81		0.52	U	0.53	UJ	0.52	U	0.53	U	0.53	U	0.52	U	0.8		0.53	U	0.57	U	0.61	U	0.59	U
CADMIUM	0.51	U	0.6		1.1		1.4		1.3		0.75		0.94		0.82		1		1.2		1.6		1.1		0.6		1.1		0.56	J
CALCIUM	392	J	524	U	6140	R	606		935		543		1140	R	1350		1920		664		2530		526	U	565	U	607	U	622	R
CHROMIUM	13.6		6.1	J	20.2	J	11	J	15.3	J	5.8	J	8.2	J	11.1	J	14.2	J	11.4	J	17	J	7.5	J	6.4	J	8.1	J	5.7	
COBALT	0.73	J	5.2	U	5.2	U	5	U	5.2	U	0.53	J	5	U	5	U	5.2	U	5.2	U	2	J	5	U	5.5	U	5.8	U	5.9	U
COPPER	5.7	J	14.7		4	J	14.9	J	5.2	J	4.1	J	4.7	J	5.1	J	5	J	17.8	J	8.1	J	18.7		8.7	J	5.3	J	2.5	J
IRON	18200		9940		15800		22900		20900		12600		15900		15400		17800		21000		28800		20000		11100		19300		13000	
LEAD	32.5		19.8	J	32.2	J	31	J	35.8	J	28.8	J	16.5	J	17	J	24.4	J	47.5	J	28.4	J	364	J	148	J	69.5	J	5.1	
MAGNESIUM	275	J	524	U	518	U	519	UJ	640		528	U	523	U	210	J	288	J	277	J	363	J	317	J	205	J	457	J	346	J
MANGANESE	41.5		27.4	J	40.1	J	25.8	J	21.1	J	24.3	J	32.5	J	33	J	38.6	J	28.8	J	47.8	J	59.9	J	18.5	J	17.5	J	9.3	
NICKEL	2.5	J	1.4	J	1.6	J	3.1	J	2	J	1.8	J	1.7	J	1.5	J	1.9	J	1.8	J	5		2.4	J	1.5	J	1.4	J	0.61	J
POTASSIUM	76.4	J	524	UJ	518	UJ	519	UJ	524	UJ	528	UJ	523	UJ	525	UJ	527	UJ	524	UJ	535	UJ	526	UJ	565	UJ	607	UJ	340	J
SELENIUM	3.6	U	0.78	J	1.5	J	1.9	J	1.9	J	1	J	1.2	J	1.2	J	1.4	J	1.7	J	2.3	J	1.6	J	0.95	J	1.8	J	1.3	J
SILVER	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1.1	U	1.2	U	1.2	U
SODIUM	405	J	524	U	518	U	519	U	524	U	528	U	523	U	525	U	527	U	524	U	905		526	U	565	U	1170		1350	
THALLIUM	2.5	U	2.6	UJ	2.6	UJ	2.5	UJ	2.6	UJ	2.5	UJ	2.5	UJ	2.5	UJ	2.6	UJ	2.6	UJ	2.6	UJ	2.5	UJ	2.8	UJ	2.9	UJ	3	UJ
VANADIUM	21.8		13.3	J	27.3		24.9	J	21.7	J	18.3	J	18.6	J	20	J	24.6	J	26	J	45		26.7		17.4	J	23.5	J	21.5	
ZINC	32	J	19.3	J	26.5	J	35.3	J	26.9	J	17.2	J	22.9	J	21.6	J	37.8	J	26.6	J	32.6	J	32.8	J	15	J	15.1	J	5.3	J

All results in milligrams per kilogram (mg/kg)
U - Analyte not detected
J - Estimated concentration
UJ - The analyte was not quantifiable at or above the Contract Required Quantitation Limit (CRQL), or QA/QC requirements were not met
R - Unusable value
MS/MSD- Matrix Spike/Matrix Spike Duplicate

R2-0002239

Table 3
Inorganic Analytical Results-Sediment Samples
April 20-23, 2009
Raritan Bay Slag

Field Sample No.	RBS-SED91		RBS-SED92		RBS-SED93		RBS-SED94		RBS-SED95		RBS-SED96		RBS-SED97		RBS-SED98		RBS-SED99		RBS-SED100		RBS-SED101		RBS-SED102		RBS-SED103		RBS-SED104		RBS-SED105	
EPA Sample No.	MB5JW6		MB5JW7		MB5JW8		MB5JW9		MB5JX0		MB5JX1		MB5JX2		MB5JX3		MB5JX4		MB5JX5		MB5JX6		MB5JX7		MB5JX8		MB5JX9		MB5JY0	
Sample Depth	0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.	
Comment	MS/MSD				Dup. of RBS-SED92																											
ALUMINUM	1420	J	1150		1280		1150		726		822	J	716	J	1440	J	1260		1390	J	888	J	1370	J	782	J	1600	J	934	J
ANTIMONY	7.4	U	6.8	UJ	7.1	UJ	7.3	UJ	7.8	UJ	7.2	U	7.2	U	7	J	7.2	UJ	6.9	U	6.8	U	6.9	U	7.5	U	6.8	U	6.6	U
ARSENIC	2		5.5	J	3.9	J	3.5	J	1.5	J	3.5		1.8		6.3		4.3	J	3.5		1.7		3.1		2.4		2.4		1.6	
BARIUM	10.4	J	2	J	3.7	J	2.2	J	2	J	2.3	J	1.4	J	1.9	J	9.9	J	2.3	J	1.5	J	2.7	J	3.6	J	2.1	J	1.5	J
BERYLLIUM	0.61	U	0.56	U	0.76		0.61	U	0.65	U	0.6	U	0.6	U	0.59	U	0.6	U	0.57	U	0.7	U	0.58	U	0.62	U	0.57	U	0.55	U
CADMIUM	0.16	J	0.75	J	0.54	J	0.31	J	0.13	J	0.41	J	0.17	J	0.96		0.45	J	0.61		0.15	J	0.6		0.26	J	0.23	J	0.16	J
CALCIUM	3510		564	U	592	U	611	U	654	U	604	R	1160	R	920	R	1720		4280		569	R	1970	R	623	R	1840	R	6770	J
CHROMIUM	5.4		17.3		15		10.3		3.4		8.5		4.7		17.4		31.2		8.2		4.8		13.5		5.8		7.9		4.1	
COBALT	6.1	U	5.4	U	0.48	J	0.55	J	6.5	U	6	U	5.9	U	5.9	U	6	U	5.4	U	5.7	U	0.97	J	6.1	U	5.5	U	5.2	U
COPPER	1.5	J	3.1	J	3.2	J	1.5	J	2.4	J	2.3	J	1.4	J	4.7		5.7	J	3.1		2	J	2.9		2	J	1.8	J	2	J
IRON	6930		21900		16700		11000		5200		10500		6240		20600		13900		13600		6900		13600		8500		8230		5550	
LEAD	3.1		3.5	R	9.3		4.2		6		3		2.3		12.5		2.2		7.1		5.5		3.5		1.5		1.7		1.1	
MAGNESIUM	848		435	J	325	J	593		363	J	604	U	600	U	586	U	1020		571	U	569	U	908		623	U	612		548	U
MANGANESE	35.7		108	R	9.7	R	23.1		12.6		37		35.8		36.3		546		47.2		24.2		241		10.6		33.5		31.9	
NICKEL	2.3	J	1.5	J	3.6	J	2.8	J	1.5	J	1.5	J	1.4	J	4.2	J	0.98	J	2	J	1.5	J	3.2	J	0.99	J	2.4	J	1.8	J
POTASSIUM	857	J	564	U	592	U	611	U	654	U	280	J	228	J	308	J	601	U	353	J	269	J	362	J	186	J	307	J	277	J
SELENIUM	0.48	J	1.6	J	1.1	J	0.84	J	4.5	U	0.72	J	0.5	J	1.7	J	0.53	J	0.96	J	0.59	J	1	J	0.71	J	0.55	J	3.7	U
SILVER	1.2	U	1.1	U	1.2	U	1.2	U	1.3	U	1.2	U	1.2	U	1.2	U	1.2	U	1.1	U	1.1	U	1.1	U	1.2	U	1.1	U	1	U
SODIUM	1330		553		1180		1380		1790		1320		818		938		940		931		768		1170		1310		1090		691	
THALLIUM	3.1	UJ	2.7	UJ	2.9	UJ	2.9	UJ	3.2	UJ	3	UJ	2.9	UJ	2.9	UJ	3	UJ	2.7	UJ	2.8	UJ	2.8	UJ	3	UJ	2.7	UJ	2.6	UJ
VANADIUM	10.8		21.3		24.8		10.6		9.3		15.4		8.4		29.3		24.7		15		12		18.2		14		14.9		6.7	
ZINC	10.9		17.5		21.8		16.4		12.3		9.3		9.3		31.3		8.7		19.1		7.9		11.7		5.6	J	8.7		6.7	

All results in milligrams per kilogram (mg/kg)

U - Analyte not detected

J - Estimated concentration

UJ - The analyte was not quantifiable at or above the Contract Required Quantitation Limit (CRQL), or QA/QC requirements were not met

R - Unusable value

MS/MSD- Matrix Spike/Matrix Spike Duplicate

R2-0002240

Table 3
Inorganic Analytical Results-Sediment Samples
April 20-23, 2009
Raritan Bay Slag

Field Sample No.	RBS-SED106		RBS-SED107		RBS-SED108		RBS-SED109		RBS-SED110		RBS-SED111		RBS-SED112		RBS-SED113		RBS-SED114		RBS-SED115		RBS-SED116		RBS-SED117		RBS-SED118		RBS-SED119		RBS-SED120	
EPA Sample No.	MB5JY1		MB5JY2		MB5JY3		MB5JY4		MB5JY5		MB5JY6		MB5JY7		MB5JY8		MB5JY9		MB5JZ0		MB5JZ1		MB5JZ2		MB5JZ3		MB5JZ4		MB5JZ5	
Sample Depth	0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.	
Comment											MS/MSD				Dup. of RBS-SED112															
ALUMINUM	1160	J	1030	J	1060	J	6320	J	1350	J	1180		1700	J	2010	J	1290	J	1090	J	1980		942		1560		1650		4430	
ANTIMONY	6.6	U	6.6	U	6.9	U	7.3	U	7.8	U	7.6	U	8.5	U	8.3	U	7.1	U	7.1	U	0.76	J	0.51	J	0.52	J	1.3	J	6.9	U
ARSENIC	1.3		1.4		2		15.4		3		4.7	J	3.7		6.3		5.4		2.8		3.7	J	3.6	J	3.5	J	5.2	J	5.1	
BARIUM	2.7	J	1.8	J	1.7	J	18.9	J	3.7	J	2.5	J	5.9	J	6.6	J	4.2	J	2.7	J	8.8	J	2.7	J	5.8	J	5	J	64.9	
BERYLLIUM	0.55	U	0.55	U	0.57	U	0.61	U	0.65	U	0.12	J	0.71	U	0.69	U	0.59	U	0.59	U	0.23	J	0.13	J	0.23	J	0.22	J	0.56	U
CADMIUM	0.089	J	0.54	U	0.26	J	1.6		0.42	J	0.66		0.33	J	0.73		0.93		0.35	J	0.68	U	0.66	U	0.63	U	0.67	U	3.1	
CALCIUM	1420	R	546	R	930	R	641	R	2290	R	631	U	1720	R	1500	R	589	R	594	R	1670		381	J	729		621	J	12500	
CHROMIUM	6.9		4.4		4.4		22.9		9.3		19.4	J	8.7		10.7		14.2		8.1		10.6		7.8		15.3		11.4		226	
COBALT	0.6	J	5.4	U	5.6	U	2.3	J	6.2	U	0.94	J	0.72	J	0.66	J	5.7	U	5.9	U	1.8	J	0.65	J	1.7	J	2.3	J	5.6	U
COPPER	2.2	J	1.3	J	1.7	J	10.8		3.8		5.2	J	6.3		6.7		3		3.8		8.1	J	2.9	J	6.3	J	7.1	J	31.3	
IRON	4530		3980		8150		29500		10300		10700		9960		15200		18100		8730		9100		11400		8830		21700		50000	
LEAD	3.7		2.6		1.7		11.3		8.8		11.6		18		19.3		13.7		9.5		31.2		9.2		11.6		34.6		15.5	J
MAGNESIUM	756		607		590		1650		661		557	J	942		1030		446	J	434	J	846		442	J	675		686		9920	
MANGANESE	31.2		26.1		51.8		44.3		26.3		45.7		68.5		84.5		31.5		32.4		64.1		25.2		20.8		86		3470	J
NICKEL	2.4	J	1.8	J	1.9	J	6.3		2.1	J	2.3	J	3	J	3.1	J	1.3	J	1.7	J	3.9	J	1	J	2.2	J	3.3	J	4.7	
POTASSIUM	553	J	576	J	411	J	2500	J	575	J	631	UJ	753	J	828	J	464	J	403	J	709		359	J	609	J	435	J	440	J
SELENIUM	0.42	J	3.8	U	0.64	J	2.6	J	0.72	J	0.97	J	0.98	J	1.3	J	1.5	J	0.58	J	4.7	U	4.6	U	4.4	U	4.7	U	1.9	J
SILVER	1.1	U	1.1	U	1.1	U	1.2	U	1.2	U	1.3	U	1.4	U	1.3	U	1.1	U	1.2	U	1.4	U	1.3	U	1.3	U	1.3	U	0.35	J
SODIUM	1270		1200		873		2450		1850		2220		2600		2810		1360		1400		2370		1430		2090		1900		1390	
THALLIUM	2.7	UJ	2.7	UJ	2.8	UJ	2.9	UJ	3.1	UJ	3.2	UJ	3.5	UJ	3.3	UJ	2.8	UJ	2.9	UJ	3.4	U	3.3	U	3.1	U	3.4	U	2.8	UJ
VANADIUM	6.6		5.7		7.5		57.9		16.9		17		17.9		26.1		32.7		15.8		20.7		17.1		27.6		34.1		92.7	
ZINC	8.9		7.3		7.8		28.2		16.8		15.5		24.4		28.4		12.1		15.8		24.5	J	9.6	J	13.5	J	29.3	J	32.9	J

All results in milligrams per kilogram (mg/kg)

U - Analyte not detected

J - Estimated concentration

UJ - The analyte was not quantifiable at or above the Contract Required Quantitation Limit (CRQL), or QA/QC requirements were not met

R - Unusable value

MS/MSD- Matrix Spike/Matrix Spike Duplicate

R2-0002241

Table 3
Inorganic Analytical Results-Sediment Samples
April 20-23, 2009
Raritan Bay Slag

Field Sample No.	RBS-SED121		RBS-SED122		RBS-SED123		RBS-SED124		RBS-SED125		RBS-SED126		RBS-SED127		RBS-SED128		RBS-SED129		RBS-SED130		RBS-SED131		RBS-SED132		RBS-SED133		RBS-SED134		RBS-SED135	
EPA Sample No.	MB5JZ6		MB5JZ7		MB5JZ8		MB5JZ9		MB5K00		MB5K01		MB5K02		MB5K03		MB5K04		MB5K05		MB5K06		MB5K07		MB5K08		MB5K09		MB5K10	
Sample Depth	0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.	
Comment																					MS/MSD				Dup. of RBS-SED132					
ALUMINUM	1130		1560		2120		1080		1020		1920		1450		1600		1290		3100		1170		1490		1210		1010		1140	
ANTIMONY	7.6	U	6.5	U	6.8	U	6.8	U	6.7	U	6.5	U	6.8	U	6.8	U	6.7	U	7	U	7.3	U	8.1	U	8.2	U	8.1	U	8.4	U
ARSENIC	7.5		12.8		11.2		3.8		3.9		6.3		6.8		13.2		3.8		8.1		6.6		2.9		2.5		2.2		2.7	
BARIUM	1.9	J	2.5	J	8.3	J	2	J	1.9	J	3	J	10.5	J	30.4		1.6	J	2.2	J	8.4	J	7.2	J	5.6	J	5.2	J	5.8	J
BERYLLIUM	0.29	J	0.36	J	0.85		0.2	J	0.33	J	0.45	J	0.64		0.53	J	0.38	J	1		0.34	J	0.67	U	0.69	U	0.67	U	0.7	U
CADMIUM	0.99		1.3		1.7		0.64		0.65		1.4		1.2		1.6		0.88		2.7		1.1		0.29	J	0.2	J	0.14	J	0.11	J
CALCIUM	637	U	6490		2980		2680		836		1700		1080		1640		4540		2300		921		761		956		882		701	U
CHROMIUM	14.4		7.7		21.5		15		11.3		19.7		17.1		25.4		28.5		37.6		14.8		8		7.2		5.6		6.2	
COBALT	6.1	U	5.2	U	5.6	U	5.6	U	5.3	U	5.1	U	3.5	J	0.72	J	5.4	U	5.6	U	6.1	U	6.5	U	6.9	U	6.4	U	7	U
COPPER	4.8		6.9		7.7		14		2.8		23.2		49.3		12.9		4.5		7.2		8.1		9.6		8		8.3		8.2	
IRON	19500		25200		32300		14400		15400		27200		23600		32900		18800		50900		21300		8230		7500		5210		5870	
LEAD	23.2	J	16.7	J	40.5	J	14.4	J	15	J	22.7	J	56.4	J	87.4	J	16.6	J	19.5	J	35.5	J	50.8	J	44	J	39.5	J	44.7	J
MAGNESIUM	409	J	461	J	498	J	357	J	295	J	484	J	396	J	461	J	311	J	625		481	J	568	J	499	J	493	J	409	J
MANGANESE	39.2	J	75.6	J	56.9	J	36.4	J	34.6	J	64.8	J	55.5	J	105	J	34.8	J	65.8	J	56.6	J	22.7	J	18.8	J	18.5	J	29.5	J
NICKEL	5.1	U	4.4	U	4.5	U	4.5	U	4.4	U	4.3	U	14.6		4.5	U	4.5	U	5	J	4.9	U	5.4	U	5.5	U	5.4	U	5.6	U
POTASSIUM	171	J	153	J	165	J	104	J	124	J	146	J	118	J	153	J	87	J	191	J	174	J	327	J	286	J	259	J	269	J
SELENIUM	1.7	J	2	J	2.6	J	1.1	J	1.4	J	2.1	J	1.9	J	2.5	J	1.6	J	3.9	J	1.8	J	0.77	J	0.55	J	4.5	U	0.48	J
SILVER	1.2	U	1	U	1.1	U	1.1	U	1.1	U	1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.2	U	1.3	U	1.4	U	1.3	U	1.4	U
SODIUM	1510		755		929		875		801		678		888		872		806		1160		1490		1310		1460		2020		1200	
THALLIUM	3	UJ	2.6	UJ	2.8	UJ	2.8	UJ	2.7	UJ	2.6	UJ	2.7	UJ	2.8	UJ	2.7	UJ	2.8	UJ	3.1	UJ	3.2	UJ	3.4	UJ	3.2	UJ	3.5	UJ
VANADIUM	30.1		22.1		34.2		20.3		16.2		22.9		38.3		39.2		18.8		66.5		26.8		14.2		12.4		10		11.7	
ZINC	26.9	J	36.1	J	37.6	J	24.2	J	21.5	J	41.3	J	245		122		29.7	J	52.7		39.8		38.2	J	32.4	J	25	J	27.9	J

All results in milligrams per kilogram (mg/kg)

U - Analyte not detected

J - Estimated concentration

UJ - The analyte was not quantifiable at or above the Contract Required Quantitation Limit (CRQL), or QA/QC requirements were not met

R - Unusable value

MS/MSD- Matrix Spike/Matrix Spike Duplicate

R2-0002242

Table 3
Inorganic Analytical Results-Sediment Samples
April 20-23, 2009
Raritan Bay Slag

Field Sample No.	RBS-SED136		RBS-SED137		RBS-SED138		RBS-SED139		RBS-SED140		RBS-SED141		RBS-SED142		RBS-SED143		RBS-SED144		RBS-SED145		RBS-SED146		RBS-SED147		RBS-SED148		RBS-SED149	
EPA Sample No.	MB5K11		MB5K12		MB5K13		MB5K14		MB5K15		MB5K16		MB5K17		MB5K18		MB5K19		MB5K20		MB5K21		MB5K22		MB5K23		MB5K24	
Sample Depth	0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.	
Comment																												
ALUMINUM	1700		1070		1340		1270		1450		696		1650		1710		1420		1790		690		1150		1500		2020	
ANTIMONY	7.7	U	8	U	8.3	U	7.9	U	7.9	U	7.5	U	7.1	U	7.4	UJ	47.1	J	13.5	J	7.6	UJ	9.3	J	10.9	J	6.9	UJ
ARSENIC	2.2		2.4		3.2		3		3.4		2.3		4.9		5.2		25.3		16.1		5.1		14		14.9		11.5	
BARIUM	3.5	J	5.7	J	6.2	J	7.4	J	5.2	J	3.2	J	8.4	J	3.6	J	63.2		64.3		2.9	J	13.2	J	42.7		7.3	J
BERYLLIUM	0.64	U	0.67	U	0.69	U	0.66	U	0.65	U	0.62	U	0.59	U	0.62	U	0.6		0.59	U	0.64	U	0.61	U	0.59	U	0.57	U
CADMIUM	0.15	J	0.11	J	0.16	J	0.3	J	0.52	J	0.18	J	0.56	J	0.9		0.86		0.78		0.35	J	0.85		1.1		1.4	
CALCIUM	2310		667	U	693	U	658	U	3120		623	U	5860		18900		1860		2690		6860		1140		1830		2850	
CHROMIUM	5.8		5.9		6.3		9		10.2		5.7		28.2		14.8		12.1		10.5		5.4		12.4		35.2		25.5	
COBALT	6.3	U	6.6	U	6.6	U	6.3	U	6.4	U	5.9	U	1.6	J	0.59	J	5.9	U	5.8	U	4.5	U	5.8	U	5.8	U	5.7	U
COPPER	5.5		7.2		7.9		10.8		12.2		6.5		25.5		12.4		26.1		13.9		7.9		11		15.2		13.8	
IRON	6000		5130		6400		7740		13300		5450		13000		20800		20500		22000		9270		23600		27700		36600	
LEAD	28.8	J	30.9	J	49.9	J	41.6	J	50.4		41.9		56.6		35		786		234		103		212		461		187	
MAGNESIUM	437	J	492	J	597	J	400	J	570	J	353	J	736	J	867	J	708	J	556	J	296	J	533	J	476	J	572	J
MANGANESE	21	J	27	J	40.5	J	15	J	23.1		15.1		30.7		43.7		84.6		108		27.1		55.3		68.6		57.9	
NICKEL	5.1	U	5.3	U	5.5	U	5.3	U	2.8	J	1.3	J	5.5		3	J	4.5	J	2.4	J	1.4	J	2.4	J	3	J	3	J
POTASSIUM	256	J	296	J	401	J	253	J	654	UJ	623	UJ	594	UJ	616	UJ	611	UJ	586	UJ	635	UJ	613	UJ	590	UJ	571	UJ
SELENIUM	0.64	J	4.6	U	0.57	J	0.63	J	1	J	0.49	J	1	J	1.5	J	1.6	J	1.4	J	0.59	J	1.6	J	1.8	J	2.5	J
SILVER	1.3	U	1.3	U	0.087	J	1.3	U	1.3	U	1.2	U	0.12	J	1.2	U	1.2	U	1.2	U	0.91	U	1.2	U	1.2	U	1.1	U
SODIUM	1840		2090		2310		1600		1940		1580		2040		1730		1300		1180		1060		1310		1400		1020	
THALLIUM	3.1	UJ	3.3	UJ	3.3	UJ	3.2	UJ	3.2	UJ	3	UJ	2.9	UJ	3	UJ	2.9	UJ	2.9	UJ	2.3	UJ	2.9	UJ	2.9	UJ	2.8	UJ
VANADIUM	11.6		9.9		12.3		14.1		16.3		9.6		19.5		32.5		23.4		33.5		13.4		26.7		27.7		42.4	
ZINC	21.9	J	20.1	J	29.4	J	41.9		34.5		19.1		99.7		44.9		60.4		49.2		17.7		33.7		87.1		46.9	

All results in milligrams per kilogram (mg/kg)

U - Analyte not detected

J - Estimated concentration

UJ - The analyte was not quantifiable at or above the Contract Required Quantitation Limit (CRQL), or QA/QC requirements were not met

R - Unusable value

MS/MSD- Matrix Spike/Matrix Spike Duplicate

R2-0002243

Table 3
Inorganic Analytical Results-Sediment Samples
April 20-23, 2009
Raritan Bay Slag

Field Sample No.	RBS-SED150		RBS-SED151		RBS-SED152		RBS-SED153		RBS-SED154		RBS-SED155		RBS-SED156		RBS-SED157		RBS-SED158		RBS-SED159		RBS-SED160		RBS-SED161		RBS-SED162		RBS-SED163		RBS-SED164	
EPA Sample No.	MB5K25		MB5K26		MB5K27		MB5K28		MB5K29		MB5K30		MB5K31		MB5K32		MB5K33		MB5K34		MB5K35		MB5K36		MB5K37		MB5K38		MB5K39	
Sample Depth	0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.	
Comment			MS/MSD				Dup. of RBS-SED152																							
ALUMINUM	942		1200		1640		1590		1480		1660		2610		3520		3630		712		1090		2280		1640		792		1030	
ANTIMONY	23.7	J	8.1	UJ	8.7	UJ	8.8	UJ	8.3	UJ	7.5	UJ	11.6	J	10.1	UJ	37.7	J	7.2	U	7	U	7.2	U	7	U	6.8	U	6.6	U
ARSENIC	15.2		9.3		9.4		11.1		6.9		24.2		11.3		16.3		38		3.6	J	5.2	J	9.5	J	9.2	J	4.7	J	4.5	J
BARIUM	25		10.1	J	10.1	J	10.2	J	8	J	7.7	J	5.9	J	9.9	J	22.7	J	24	UJ	23.3	UJ	24.1	UJ	23.4	UJ	22.8	UJ	22	UJ
BERYLLIUM	0.58	U	0.67	U	0.72	U	0.74	U	0.69	U	0.62	U	0.62	U	0.84	U	0.9	U	0.6	U	0.58	U	0.6	U	0.59	U	0.57	U	0.55	U
CADMIUM	0.68		0.46	J	0.43	J	0.47	J	0.56	J	1.2		1.8		2.1		0.91		0.6	U	0.58	U	0.6	U	0.59	U	0.57	U	0.55	U
CALCIUM	763		2240		1520		2300		863		4860		4160		2060		1310		601	U	583	U	2180		586	U	691		549	U
CHROMIUM	6.8		10.5		10.7		13.6		8.9		20.4		37.3		77.8		18		5.3	J	14.7	J	30.3	J	18.2	J	15.8	J	12.2	J
COBALT	5.5	U	6.7	U	0.7	J	0.92	J	0.62	J	6.2	U	1.1	J	0.82	J	1.6	J	6	U	5.8	U	6	U	5.9	U	5.7	U	5.5	U
COPPER	12.2		13.3		17.3		19.8		14.4		8.4		13.1		32.8		48.3		1.1	J	10.5		7		6.5		12.1		2.8	
IRON	19400		11400		10000		10000		11500		27400		44200		54500		18400		9680	J	18900	J	45100	J	32900	J	13600	J	14700	J
LEAD	1090		184		176		187		207		44.9		216		224		838		3.5		8.4		6.7		14.1		3.4		3.7	
MAGNESIUM	454	J	732	J	943	J	1130	J	780	J	407	J	799	J	1290	J	1650	J	402	J	336	J	676		480	J	245	J	641	
MANGANESE	71.3		54.6		51.7		58.1		35.2		28.3		48.7		92.2		193		25.1	J	31.4	J	49.4	J	33.8	J	28.4	J	27.3	J
NICKEL	2.5	J	2.6	J	3.4	J	3.6	J	3.3	J	3.2	J	6.3		6.9		6.8	J	0.62	J	2.8	J	3.6	J	1.4	J	0.71	J	1.2	J
POTASSIUM	575	UJ	673	UJ	723	UJ	735	UJ	693	UJ	622	UJ	625	UJ	838	UJ	896	J	601	U	583	U	602	U	586	U	570	U	549	U
SELENIUM	1.5	J	0.92	J	0.95	J	1	J	0.88	J	2.1	J	3.4	J	4.4	J	1.9	J	0.43	J	0.53	J	0.49	J	0.44	J	0.47	J	0.38	J
SILVER	1.1	U	1.3	U	0.088	J	1.4	U	0.11	J	1.2	U	1.2	U	0.25	J	0.17	J	1.1	J	2.1	J	5	J	3.6	J	1.5	J	1.6	J
SODIUM	845		2190		2640		2970		2360		1080		1610		3920		4410		1340		1090		1170		731		610		665	
THALLIUM	2.7	UJ	3.4	UJ	3.5	UJ	3.6	UJ	3.3	UJ	3.1	UJ	3	UJ	4	UJ	4.4	UJ	3	U	2.9	U	3	U	2.9	U	2.9	U	2.7	U
VANADIUM	20.4		17.1		17.5		17.4		17.9		44.9		37.2		47.1		27.7		13.5	J	22.5	J	42.5	J	37.1	J	13.8	J	26.3	J
ZINC	37.1		50		61.1		75.9		51.9		62.5		90.9		108		73.1		13	J	82.4	J	49.4	J	33.2	J	23.6	J	18.3	J

All results in milligrams per kilogram (mg/kg)

U - Analyte not detected

J - Estimated concentration

UJ - The analyte was not quantifiable at or above the Contract Required Quantitation Limit (CRQL), or QA/QC requirements were not met

R - Unusable value

MS/MSD- Matrix Spike/Matrix Spike Duplicate

R2-0002244

Table 3
Inorganic Analytical Results-Sediment Samples
April 20-23, 2009
Raritan Bay Slag

Field Sample No.	RBS-SED165		RBS-SED166		RBS-SED167		RBS-SED168		RBS-S6ED169		RBS-SED170		RBS-SED171		RBS-SED172		RBS-SED173		RBS-SED174		RBS-SED175		RBS-SED176		RBS-SED177		RBS-SED178		RBS-SED179	
EPA Sample No.	MB5K40		MB5K41		MB5K42		MB5K43		MB5K44		MB5K45		MB5K46		MB5K47		MB5K48		MB5K49		MB5K50		MB5K51		MB5K52		MB5K53		MB5K54	
Sample Depth	0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.	
Comment													MS/MSD				Dup. of RBS-SED172													
ALUMINUM	2510		863		2400		1910		664		1920		1250		1300		1090		1040		1850		2040		1230	J	1010	J	917	J
ANTIMONY	6.3	U	7	U	6.4	U	6.4	U	7.1	U	6.7	U	7.2	U	6.4	U	6.4	U	6.4	U	7	U	6.3	U	6.6	UJ	6.3	UJ	6.5	UJ
ARSENIC	12	J	7.1	J	12.3	J	7.5	J	3.6	J	6.3	J	5.4	J	7.2	J	5.8	J	8.1	J	8.8	J	9.5	J	7	J	6.9	J	4.7	J
BARIUM	21.1	UJ	23.3	UJ	21.3	UJ	21.3	UJ	23.6	UJ	22.4	UJ	23.8	UJ	21.3	UJ	21.4	UJ	21.3	UJ	23.4	UJ	20.8	UJ	1.9	J	1.6	J	1.6	J
BERYLLIUM	0.53	U	0.58	U	0.57		0.53	U	0.59	U	0.56	U	0.6	U	0.53	U	0.53	U	0.53	U	0.58	U	0.57		0.31	J	0.12	J	0.074	J
CADMIUM	0.53	U	0.58	U	0.53	U	0.53	U	0.59	U	0.56	U	0.6	U	0.53	U	0.53	U	0.53	U	0.58	U	0.52	U	0.049	J	0.04	J	0.54	U
CALCIUM	528	U	583	U	533	U	1590		591	U	1070		965		281	J	1660	J	646		254	J	1620		616	J	572	J	244	J
CHROMIUM	37.6	J	8.9	J	20.9	J	14.7	J	7.5	J	11.5	J	22.7	J	13.3	J	13	J	9.6	J	20.2	J	34.7	J	12.8	J	9.9	J	4.9	J
COBALT	5.3	U	5.8	U	5.3	U	5.3	U	5.9	U	5.6	U	6	U	5.3	U	5.3	U	5.3	U	5.8	U	5.2	U	0.6	J	0.51	J	0.37	J
COPPER	8.4		1.9	J	4.1		27.1		2.9	J	8.6		6.3		2.6	J	2.8		18.6		2.8	J	20.9		8.7	R	8.7	R	2.1	R
IRON	52600	J	17200	J	46800	J	32000	J	14700	J	35200	J	19800	J	21800	J	18600	J	21000	J	38900	J	44400	J	23500	J	17700	J	7890	J
LEAD	7.8		5.2		6.3		9.1		3		6.2		4.5		5.6		17.2		16.3		7		9.1		5		10.6		12.5	
MAGNESIUM	521	J	266	J	438	J	700		264	J	372	J	371	J	231	J	222	J	239	J	398	J	417	J	322	J	218	J	158	J
MANGANESE	66.9	J	36	J	108	J	64.1	J	55	J	44.4	J	51.8	J	44.6	J	40.9	J	31.7	J	48.2	J	66.7	J	43.1	J	38.9	J	44.2	J
NICKEL	2.2	J	0.85	J	1.5	J	2.7	J	1	J	0.45	J	1.4	J	1.5	J	1.1	J	0.49	J	1.3	J	1.6	J	0.96	J	0.71	J	0.57	J
POTASSIUM	528	U	583	U	533	U	533	U	591	U	559	U	596	U	533	U	535	U	533	U	585	U	521	U	128	J	70	J	62	J
SELENIUM	0.57	J	0.48	J	0.55	J	0.55	J	0.43	J	0.56	J	0.48	J	3.7	U	3.7	U	0.42	J	0.53	J	0.63	J	3.8	U	3.7	U	3.8	U
SILVER	5.6	J	1.9	J	5.2	J	3.6	J	1.7	J	4.1	J	2.3	J	2.5	J	2.2	J	2.4	J	4.5	J	4.9	J	2.5	J	2	J	0.89	J
SODIUM	528	U	820		533	U	533	U	742		571		1060		533	U	535	U	533	U	585	U	521	U	608		528	U	538	U
THALLIUM	2.6	U	2.9	U	2.7	U	2.7	U	3	U	2.8	U	3	U	2.7	U	2.7	U	2.7	U	2.9	U	2.6	U	2.7	U	2.6	U	2.7	U
VANADIUM	51.4	J	18.9	J	47.1	J	29.5	J	15	J	60.9	J	21.8	J	20.4	J	23.3	J	20.5	J	39	J	44.5	J	27.5	J	20.1	J	13.3	J
ZINC	51.3	J	21.1	J	44.2	J	34.3	J	16.1	J	23.7	J	37.2	J	29.3	J	31.4	J	21.8	J	45.9	J	42.8	J	28.7	J	26.3	J	17.6	J

All results in milligrams per kilogram (mg/kg)

U - Analyte not detected

J - Estimated concentration

UJ - The analyte was not quantifiable at or above the Contract Required Quantitation Limit (CRQL), or QA/QC requirements were not met

R - Unusable value

MS/MSD- Matrix Spike/Matrix Spike Duplicate

R2-0002245

Table 3
Inorganic Analytical Results-Sediment Samples
April 20-23, 2009
Raritan Bay Slag

Field Sample No.	RBS-SED180		RBS-SED181		RBS-SED182		RBS-SED183		RBS-SED184		RBS-SED185		RBS-SED186		RBS-SED187		RBS-SED188		RBS-SED189		RBS-SED190		RBS-SED191		RBS-SED192	
EPA Sample No.	MB5K55		MB5K56		MB5K57		MB5K58		MB5K59		MB5K60		MB5K61		MB5K62		MB5K63		MB5K64		MB5K65		MB5K66		MB5K67	
Sample Depth	0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.	
Comment																							MS/MSD			
ALUMINUM	735	J	283	J	578	J	352	J	646	J	822	J	255	J	653	J	447	J	659	J	492	J	1720	J	2440	J
ANTIMONY	6.4	UJ	7.9	UJ	7.9	UJ	8.1	UJ	7.8	UJ	8.9	UJ	8.2	UJ	8.4	UJ	8.3	UJ	8.7	UJ	8.5	UJ	8	UJ	7.5	UJ
ARSENIC	3.5	J	1.3	J	1.6	J	1.3	J	2.1	J	2.3	J	0.95	J	2.1	J	1.3	J	1.6	J	1.3	J	11.6	J	14.4	J
BARIUM	2	J	1.6	J	2.8	J	1.8	J	3.8	J	6.5	J	2.4	J	4.9	J	3.3	J	3.7	J	4.9	J	3.8	J	5	J
BERYLLIUM	0.11	J	0.66	U	0.051	J	0.039	J	0.066	J	0.062	J	0.68	U	0.057	J	0.69	U	0.055	J	0.047	J	0.17	J	0.26	J
CADMIUM	0.016	J	0.66	U	0.024	J	0.67	U	0.036	J	0.048	J	0.68	U	0.032	J	0.022	J	0.033	J	0.02	J	0.084	J	0.089	J
CALCIUM	186	J	253	J	279	J	175	J	255	J	410	J	158	J	336	J	246	J	1720	J	344	J	1110	J	659	J
CHROMIUM	6.1	J	1.8	J	3.7	J	2.9	J	4.8	J	5	J	2	J	4	J	2.6	J	3.8	J	3.1	J	15.7	J	18.4	J
COBALT	0.62	J	0.22	J	0.42	J	0.21	J	0.46	J	0.67	J	0.16	J	0.5	J	0.33	J	0.51	J	0.33	J	1.1	J	1.2	J
COPPER	2.9	R	1.5	R	2.9	R	1.4	R	2.2	R	3.8	R	1.2	R	3.2	R	1.7	R	2.8	R	1.8	R	6.6	R	13.6	R
IRON	8570	J	2270	J	4160	J	2910	J	6990	J	4880	J	2050	J	3880	J	2660	J	3540	J	2810	J	31000	J	42900	J
LEAD	12.2		5.4		10.8		5.6		8.6		16.5		4		11.9		6.5		9.8		8.6		11		18.8	
MAGNESIUM	229	J	248	J	364	J	246	J	386	J	577	J	282	J	453	J	441	J	553	J	503	J	613	J	583	J
MANGANESE	77.1	J	20.2	J	20.4	J	11.2	J	22.5	J	53.6	J	15.9	J	43.1	J	15.7	J	26.1	J	31.3	J	120	J	58.7	J
NICKEL	0.95	J	0.29	J	0.62	J	0.36	J	0.67	J	0.99	J	0.22	J	0.77	J	0.57	J	0.8	J	0.56	J	1.8	J	2.1	J
POTASSIUM	87.9	J	78.5	J	153	J	83.4	J	161	J	263	J	77.8	J	204	J	146	J	215	J	193	J	302	J	325	J
SELENIUM	3.8	U	4.6	U	4.6	U	4.7	U	4.6	U	5.2	U	4.8	U	4.9	U	4.8	U	5.1	U	4.9	U	0.62	J	0.75	J
SILVER	0.98	J	1.3	U	1.3	U	1.3	U	0.81	J	1.5	U	1.4	U	1.4	U	1.4	U	1.4	U	1.4	U	3	J	4.4	J
SODIUM	536	U	1440		1690		1240		1870		2630		1820		2100		2610		2960		2900		2200		1590	
THALLIUM	2.7	U	3.3	U	3.3	U	3.4	U	3.3	U	3.7	U	3.4	U	3.5	U	3.4	U	3.6	U	3.5	U	3.3	U	3.1	U
VANADIUM	12.7	J	4.3	J	8.4	J	5.1	J	8	J	9.5	J	4	J	8.3	J	5.2	J	7.3	J	5.9	J	38.1	J	61.5	J
ZINC	21.8	J	9.3	J	16	J	10	J	18.8	J	22.2	J	6.5	J	17.6	J	11.3	J	17.9	J	13.2	J	37	J	58.1	J

All results in milligrams per kilogram (mg/kg)

U - Analyte not detected

J - Estimated concentration

UJ - The analyte was not quantifiable at or above the Contract Required Quantitation Limit (CRQL), or QA/QC requirements were not met

R - Unusable value

MS/MSD- Matrix Spike/Matrix Spike Duplicate

R2-0002246

Table 3
Inorganic Analytical Results-Sediment Samples
April 20-23, 2009
Raritan Bay Slag

Field Sample No.	RBS-SED193		RBS-SED194		RBS-SED195		RBS-SED196		RBS-SED197		RBS-SED198		RBS-SED199		RBS-SED200		RBS-SED201		RBS-SED202		RBS-SED203		RBS-SED204		RBS-SED205		RBS-SED206	
EPA Sample No.	MB5K68		MB5K69		MB5K70		MB5K71		MB5K72		MB5K73		MB5K74		MB5K75		MB5K76		MB5K77		MB5K78		MB5K79		MB5K80		MB5K81	
Sample Depth	0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.		0-3 in.	
Comment	Dup. of RBS-SED192																											
ALUMINUM	3040	J	4250	J	1530		846	J	1320	J	3020	J	302	J	248		365		496		1070		341		442		1670	J
ANTIMONY	7.4	UJ	7.4	UJ	7.5	U	8.4	UJ	7.3	UJ	7.7	UJ	7.1	UJ	7.6	U	7.9	U	7.9	U	6.9	U	7.2	U	7.5	U	6.5	UJ
ARSENIC	19.1	J	16.4	J	13.5		2.8	J	6.3	J	7.8		1.3		0.33	J	0.83	J	1.5		4.2		0.99	J	0.9	J	6.5	
BARIUM	6.4	J	4.1	J	14.6	J	4.3	J	4.8	J	25.5	UJ	23.6	UJ	1.9	J	2.5	J	3.2	J	3.1	J	1.5	J	0.96	J	21.8	UJ
BERYLLIUM	0.33	J	0.74		0.63	U	0.064	J	0.12	J	0.58	J	0.034	J	0.64	U	0.66	U	0.66	U	0.58	U	0.6	U	0.62	U	0.2	J
CADMIUM	0.11	J	0.74		1.3		0.03	J	0.049	J	0.64	U	0.59	U	0.12	J	0.12	J	0.2	J	1.1		0.26	J	0.27	J	0.54	U
CALCIUM	1630	J	330	J	13800		1550	J	950	J	414	J	95.4	J	872		661	U	2040		3530		598	U	621	U	1150	
CHROMIUM	46.6	J	54.2	J	28.5	J	7	J	17.6	J	39.8	J	1.9	J	2.1	J	2.7	J	3.4	J	28.2	J	2.5	J	2.4	J	14	J
COBALT	1.1	J	2.1	J	8.2		0.54	J	0.86	J	6.4	U	5.9	U	6.1	U	6.4	U	6.3	U	5.5	U	5.8	U	5.9	U	5.4	U
COPPER	11.7	R	17.2	R	7.4	J	6.2	R	73.6	R	8.3		1.2	J	3.2	UJ	3.3	UJ	3.3	UJ	5.2	J	3	UJ	3.1	UJ	14.1	
IRON	52800	J	23700	J	20800		7390	J	14700	J	77000	J	3940	J	1540		2230		3020		18600		4830		5380		25200	J
LEAD	21.6		16.8		10.3	J	9.6		10.6		18.3	R	2.8	R	4.7	J	5.7	J	7.1	J	6.4	J	2.7	J	2.4	J	90	R
MAGNESIUM	586	J	606	J	627	U	468	J	552	J	729		223	J	635	U	661	U	660	U	577	U	598	U	621	U	381	J
MANGANESE	60.4	J	46.1	J	25.2	J	21.5	J	32.2	J	121	J	15.7	J	10.4	J	9.5	J	48.4	J	37.7	J	9.4	J	11.4	J	130	J
NICKEL	1.8	J	7.3		23.8		1.1	J	1.7	J	4.4	J	0.39	J	0.23	J	0.45	J	0.8	J	2.7	J	0.52	J	0.46	J	1.3	J
POTASSIUM	319	J	294	J	627	UJ	168	J	224	J	639	U	590	U	635	UJ	661	UJ	660	UJ	577	UJ	598	UJ	621	UJ	544	U
SELENIUM	0.39	J	4.3	U	1.8	J	4.9	U	4.2	U	0.67	J	4.1	U	4.2	U	4.5	U	4.4	U	1.4	J	0.33	J	0.34	J	0.38	J
SILVER	5.4	J	2.4	J	1.2	U	0.81	J	1.5	J	15.6	J	0.79	J	1.2	U	1.3	U	1.3	U	1.1	U	1.2	U	1.2	U	5.3	J
SODIUM	1510		1510		1710		2080		1600		1620		1230		1350		1350		1690		871		1070		1260		544	U
THALLIUM	3.1	U	3.1	U	3	UJ	3.5	U	3	U	3.2	U	3	U	3	UJ	3.2	UJ	3.1	UJ	2.7	UJ	2.9	UJ	3	UJ	2.7	U
VANADIUM	76.9	J	81.4	J	26	J	12.4	J	25	J	43	J	5.7	UJ	4.3	J	5.4	J	6.8	J	19.9	J	5.8	J	4.8	J	22.4	J
ZINC	58.2	J	89	J	109	J	21.3	J	31.4	J	51.2	J	7.2	J	7.6	UJ	8.4	J	16.1	J	38.8	J	9.6	J	8.5	J	41.3	J

All results in milligrams per kilogram (mg/kg)

U - Analyte not detected

J - Estimated concentration

UJ - The analyte was not quantifiable at or above the Contract Required Quantitation Limit (CRQL), or QA/QC requirements were not met

R - Unusable value

MS/MSD- Matrix Spike/Matrix Spike Duplicate

R2-0002247

Table 4
Inorganic Analytical Results-Surface Water Samples
April 20-23, 2009
Raritan Bay Slag

Field Sample No.	RBS-SW25		RBS-SW25D		RBS-SW26		RBS-SW26D		RBS-SW27		RBS-SW27D		RBS-SW28		RBS-SW28D		RBS-SW29		RBS-SW29D		RBS-SW30		RBS-SW30D		RBS-SW31		RBS-SW31D		RBS-SW32		RBS-SW32D		RBS-SW33	
EPA Sample No.	MB5K86		MB5K87		MB5K88		MB5K89		MB5K90		MB5K91		MB5K92		MB5K93		MB5K94		MB5K95		MB5K96		MB5K97		MB5K98		MB5K99		MB5KA0		MB5KA1		MB5KA2	
Comment	MS/MSD		MS/MSD		Activity-Based		Activity-Based		Dup. of RBS-SW26		Dup. of RBS-SW26D		Activity-Based		Activity-Based		Activity-Based		Activity-Based		Activity-Based		Activity-Based		Activity-Based		Activity-Based						Activity-Based	
ALUMINUM	846		200	U	6430		200	U	2170	J	200	U	5950		200	U	2450		200	U	1010		200	U	2110		200	U	790		66.6	J	4020	
ANTIMONY	60	U	60	U	60	U	60	U	60	U	60	U	60	U	60	U	60	U	60	U	3.8	J	60	U	10.1	J	60	U	3.5	J	60	U	26.2	J
ARSENIC	3.8	J	10	U	13.1		10	U	10	U	10	U	11.1		10	U	10.6		10	U	5.9	J	10	U	10.9		10	U	6.2	J	10	U	27.9	
BARIUM	23.4	J	20	J	44.1	J	21.1	J	31.4	J	20.6	J	48.8	J	20.9	J	44.4	J	21.3	J	21.6	J	19.2	J	25.6	J	19.6	J	21.6	J	19.2	J	36.8	J
BERYLLIUM	5	U	5	U	1.2	J	5	U	1	J	5	U	1.8	J	5	U	1.1	J	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
CADMIUM	5	U	5	U	5	U	5	U	0.53	J	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
CALCIUM	217000		212000		205000		206000		206000		212000		251000		197000		205000		202000		209000		209000		209000		210000		209000		207000		211000	
CHROMIUM	2.1	J	10	U	22.4		10	U	9.5	J	10	U	24.9		10	U	11.2		10	U	3	J	10	U	7	J	10	U	2.2	J	10	U	19.5	
COBALT	50	U	50	U	6.4	J	50	U	5.3	J	50	U	10.9	J	50	U	8.8	J	50	U	1.4	J	50	U	2.2	J	50	U	1.4	J	50	U	4.4	J
COPPER	6.3	J	1.7	J	23.1	J	1.4	J	30.2		1.6	J	18.1	J	1.9	J	46.2		2.1	J	9.2	J	1.3	J	18.6	J	1.2	J	8	J	1.6	J	49.4	
IRON	1690	J	93.3	J	18300	J	153		7180	J	106		24300	J	146		8300	J	124		2860	J	154		6370	J	117		2060	J	205		14400	J
LEAD	10.2		10	U	109	J	10	U	140	J	10	U	106		10	U	209		10	U	74.6		10	U	157		10	U	67.9		3.8	J	519	
MAGNESIUM	642000		648000		610000		647000		617000		664000		605000		618000		605000		633000		628000		656000		631000		657000		628000		645000		628000	
MANGANESE	99.9		52.5	J	446	J	102	J	683	J	69.1	R	857		111	J	1630		63.2	J	68.4		17.6		130		32.9		63		23.6	J	221	
NICKEL	2.2	J	1.2	J	12.5	J	1.1	J	6.4	J	1.6	J	14.1	J	1.6	J	7.5	J	1.3	J	2.5	J	1.6	J	4.6	J	1.5	J	2.4	J	1.2	J	10.6	J
POTASSIUM	345000	J	340000	J	319000	J	332000	J	324000	J	345000	J	319000	J	317000	J	315000	J	323000	J	326000	J	340000	J	332000	J	339000	J	335000	J	335000	J	329000	J
SELENIUM	35	U	35	U	35	U	35	U	35	U	35	U	35	U	35	U	35	U	35	U	35	U	35	U	35	U	35	U	35	U	35	U	35	U
SILVER	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U
SODIUM	5160000		5160000		4890000		5180000		4940000		5240000		4870000		5000000		4810000		5050000		5040000		5180000		5050000		5260000		5020000		5140000		5040000	
THALLIUM	25	R	25	R	25	R	25	R	25	R	25	R	25	R	25	R	25	R	25	R	25	R	25	R	25	R	25	R	25	R	25	R	25	R
VANADIUM	3.8	J	0.74	J	49.3	J	1.7	J	30.2	J	0.89	J	79.8		1.1	J	38.6	J	0.88	J	5.5	J	0.62	J	11.6	J	0.74	J	4.6	J	0.82	J	27.6	J
ZINC	14.6	J	13.3	J	178		2.9	J	209		3.2	J	352		3.3	J	259		3.3	J	27.7	J	3	J	46.5	J	2.6	J	21.3	J	3.6	J	120	

All results in micrograms per liter (µg/L)

U - Analyte not detected

J - Estimated concentration

UJ - The analyte was not quantifiable at or above the Contract Required Quantitation Limit (CRQL), or QA/QC requirements were not met

R - Unusable value

Surface water sample numbers containing a 'D' (RBS-SW25D) indicates that the sample was analyzed for Dissolved Metals.

* - Results for potassium and sodium were reported for some samples but not for others.

MS/MSD- Matrix Spike/Matrix Spike Duplicate

R2-0002248

Table 4
Inorganic Analytical Results-Surface Water Samples
April 20-23, 2009
Raritan Bay Slag

Field Sample No.	RBS-SW33D		RBS-SW34		RBS-SW34D		RBS-SW35		RBS-SW35D		RBS-SW36		RBS-SW36D		RBS-SW37		RBS-SW37D		RBS-SW38		RBS-SW38D		RBS-SW39		RBS-SW39D		RBS-SW40		RBS-SW40D		RBS-SW41		RBS-SW41D	
EPA Sample No.	MB5KA3		MB5KA4		MB5KA5		MB5KA6		MB5KA7		MB5KA8		MB5KA9		MB5KB0		MB5KB1		MB5KB2		MB5KB3		MB5KB4		MB5KB5		MB5KB6		MB5KB7		MB5KB8		MB5KB9	
Comment	Activity-Based						Activity-Based		Activity-Based		Activity-Based		Activity-Based		Activity-Based		Activity-Based		Activity-Based		Activity-Based						Activity-Based		Activity-Based		Activity-Based		Activity-Based	
ALUMINUM	200	U	1230		200	U	5760		129	J	1820		200	U	1110	J	200	U	304	J	200	U	244	J	200	U	964	J	200	U	882	J	33.5	J
ANTIMONY	60	U	8.1	J	60	U	10.6	J	60	U	8.4	J	3.9	J	60	U	60	U	60	U	60	U	60	U	60	U	60	U	60	U	60	U	60	U
ARSENIC	10	U	8.7	J	10	U	20.4		10	U	13		10	U	5.3	J	10	U	3.2	J	5.4	J	1.9	J	2.2	J	6.2	J	2.4	J	7	J	3.3	J
BARIUM	19.4	J	20.4	J	17	J	36.8	J	18.1	J	24.8	J	16.8	J	200	U	200	U	200	U	200	U	200	U	200	U	200	U	200	U	200	U	200	U
BERYLLIUM	5	U	5	U	5	U	1.5	J	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	0.35	J	5	U	5	U
CADMIUM	5	U	5	U	5	U	1	J	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
CALCIUM	210000		215000		223000		216000		222000		224000		220000		230000	J	229000	J	233000	J	247000	J	211000	J	238000	J	230000	J	202000	J	206000	J	227000	J
CHROMIUM	10	U	3.9	J	10	U	17.5		10	U	7.1	J	10	U	10	UJ	10	U	10	U	10	U	10	UJ	10	U	10	U	10	UJ	19.8	J	10	U
COBALT	50	U	1.4	J	50	U	4.1	J	50	U	2.5	J	50	U	50	U	50	U	50	U	50	U	50	U	50	U	50	U	50	U	50	U	50	U
COPPER	1.3	J	14.4	J	25	U	45.5		6.3	J	25	J	25	U	8.6	J	25	U	7.6	J	0.74	J	6.8	J	0.91	J	11.6	J	2	J	4.8	J	1.2	J
IRON	104		3610	J	96.4	J	19300	J	224		8580	J	164		3410	J	11.4	J	1160	J	14.6	J	1020	J	100	UJ	3410	J	100	UJ	6410	J	240	J
LEAD	10	U	164		10	U	767		10	U	480		10	U	37	J	10	U	15		10	U	5.8	J	10	U	25.6		10	U	28.4		10	U
MAGNESIUM	656000		650000		696000		649000		698000		674000		693000		670000	J	695000	J	697000	J	597000	J	638000	J	660000	J	694000	J	615000	J	613000	J	696000	J
MANGANESE	27.3	J	76.8		15	U	144		13	J	129		6.2	J	163	J	36.5	J	152	J	80	J	128	J	39.6	J	208	J	49.6	J	158	J	108	J
NICKEL	1.3	J	3.7	J	1.7	J	10.7	J	1.3	J	5.5	J	1.5	J	2.2	J	40	U	1.5	J	1.5	J	1.9	J	40	U	2.7	J	40	U	5.8	J	40	U
POTASSIUM	344000	J	345000	J	362000	J	342000	J	367000	J	358000	J	361000	J	*		*		*		*		*		*		*		*		*		*	
SELENIUM	35	U	35	U	35	U	35	U	35	U	35	U	35	U	35	U	35	U	35	U	35	U	35	U	35	U	35	U	35	U	35	U	35	U
SILVER	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U
SODIUM	5280000		5280000		5520000		5260000		5680000		5310000		5650000		*		*		*		*		*		*		*		*		*		*	
THALLIUM	25	R	25	R	25	R	25	R	25	R	25	R	25	R	25	U	25	U	25	U	25	U	25	U	25	U	25	U	25	U	25	U	25	U
VANADIUM	0.93	J	6.6	J	50	U	47.3	J	2.5	J	21.1	J	1.2	J	50	UJ	50	UJ	50	UJ	50	UJ	50	UJ	50	UJ	50	U	50	U	50	UJ	50	U
ZINC	3.1	J	32.3	J	3.6	J	278		3.1	J	111		2.2	J	30.8	J	2.3	J	27	J	2.4	J	20.3	J	2	J	51.4	J	8.3	J	60.9		5.6	J

All results in micrograms per liter (µg/L)

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J - Estimated concentration

UJ - The analyte was not quantifiable at or above the Contract Required Quantitation Limit (CRQL), or QA/QC requirements were not met

R - Unusable value

Surface water sample numbers containing a 'D' (RBS-SW25D) indicates that the sample was analyzed for Dissolved Metals.
Results for potassium and sodium were reported for some samples but not for others.
MS/MSD- Matrix Spike/Matrix Spike Duplicate

R2-0002249

Appendix J

EPA June to July 2009 Sampling Results (Sediment Cores)

LOCKHEED MARTIN

DATE: August 14, 2009

TO: Mark Sprenger, U.S. EPA/ERT Work Assignment Manager

FROM: Cindy Kleiman, REAC Biology Group Leader/Acting Task Leader
Larry Lyons, REAC Task Leader

THROUGH: Dennis Miller, REAC Program Manager

SUBJECT: TRIP REPORT: Raritan Bay Sediment Sampling, Laurence Harbor, NJ
Work Assignment No. 0-356

Background. The Raritan Bay Slag Site, located in the Laurence Harbor section of Old Bridge Township, New Jersey (NJ), is approximately 1.3 miles in length and encompasses the waterfront area on the Raritan Bay from Margaret's Creek to the area just beyond the western jetty at the Cheesequake Creek Inlet. The Site includes a sea wall that extends for approximately 3,000 feet along the Old Bridge Waterfront Park adjacent to Bayview Drive; a public beach area located at the outlet of the Cheesequake Creek; the Cheesequake Creek outlet jetty that extends for about 1,000 feet from the mouth of the Cheesequake Creek into Raritan Bay; and the waterfront area west of the jetty. Contaminants of concern are primarily metals including lead, arsenic, copper, zinc, antimony and tin originating from foundry bottoms and battery waste, and potentially other materials. The waste material was used to construct the jetties and was used as a fill and stabilizing material for the seawall.

This Work Assignment (WA) focuses on assessing the bioaccumulation of metals within the forage (food) items of the ecological receptors at this site, and on investigating the distribution of waste material in the environment. Previous site work performed by Response, Engineering and Analytical Contract (REAC) personnel at the request of the Environmental Protection Agency (EPA) Environmental Response Team (ERT) included the collection of biota (i.e., ribbed mussels, clams, foraging fish and algae), which were evaluated for the accumulation of contaminants of concern. Biota, sediment, pore water and waste material were collected from various locations at and within proximity of the sea wall and the jetties. Biota, sediment and pore water samples were analyzed for metals. Samples of waste material from the exterior and interior of the sea wall and jetties were subjected to extraction procedures, metals analysis and analytical procedures to differentiate among metal species.

Other previous site work included a geophysical survey of the playground within the Old Bridge Waterfront Park area of the site and a waterborne survey using side-scan sonar techniques conducted from the EPA vessel, Biglane, performed in April 2009. These surveys were conducted to assess the distribution of submerged site materials that may be present in the Raritan Bay adjacent to the Cheesequake Creek inlet jetties and the seawall and may extend out into the coastal subtidal zone.

Summary of Sediment Sampling Activities. This trip report covers offshore and onshore sediment core sampling conducted in June and July 2009 to evaluate the extent of contamination in offshore sediments in the Raritan Bay adjacent to the Cheesequake Creek Inlet jetties and the seawall and the coastal subtidal zone. A statistically-based phased sampling approach was developed using Visual Sampling Plan (VSP)

R2-0002251

(REAC 2009). The site was divided into three areas (Area A, B and C) based on professional judgment, historical information, and the following considerations: the large area of concern; possible dispersal of contaminants, presence in "hot spots", or as chunks of slag; and the complexity of collecting sediment in an intertidal zone. The three phases, and the proposed sampling locations were discussed in detail in the Quality Assurance Project Plan (QAPP), Amendment 1, and in the *Phased Sampling Design for the Raritan Bay Slag Site* (REAC 2009). Figures 1 through 3 show the locations at which samples were obtained in Areas A, B and C, respectively.

Determinations were made in the field as to whether any of the planned sampling grid locations would be inconsistent with the WA's data quality objectives – for example, samples were not collected from the beach or from solid rock. Samples could not be collected at some locations due to refusal, i.e., encountering hard substrate. At these locations, samplers would relocate the sleeve within five feet of the original location and make another attempt. After two unsuccessful attempts, the location would be abandoned. Of the 362 planned sampling locations, a total of 354, or 98 percent (%) of the planned locations, were actually sampled (listed in Table 1). The following locations were not sampled, as shown by black X's on Figures 1 through 3: A-105, A-109, B-48, C-4, C-5, C-6, C-11 and C-12. In addition, at some locations the full targeted depth could not be collected due to refusal. This was noted on the chain of custody, and is included under "Remarks" on Table 2. Due to the nature of the material, some samples compacted in the sleeves, resulting in the appearance of a smaller sample than was actually collected. Material other than sediment would sometimes be captured in the sleeve, e.g., seaweed, small rocks, snails and shrimp.

Activities of June 29-July 28, 2009. REAC personnel arrived on-site on June 29, 2009 to mobilize equipment and supplies needed for sampling and for sample processing by EPA Region II. All materials were stored in the Old Bridge Township recreational building, which served as the Command Center. EPA Region II reviewed the QAPP provided by REAC and provided comments. The Coast Guard reviewed REAC's Health and Safety Plan (HASP); REAC made some minor modifications at their request.

Sampling by on-shore teams was performed on June 30, July 1 and July 7- 9. Arrival times were selected to take advantage of low tide. Sampling was not performed on July 2, July 3, July 6 or July 10 at the request of the EPA. REAC divers performed off-shore sampling on July 7-10, July 13-17, July 20, July 22, July 23 and July 27, dictated by weather conditions. On July 7, on-shore and off-shore work was stopped early due to lightning. On certain days, REAC personnel were joined by ERT personnel during collection efforts. REAC staffing was arranged to provide a total of one to three on-shore sampling teams, and one or two dive teams on each sampling day. Sampling dates and locations are shown in Table 1 and Table 2. Table 2 also provides sample depth, chain of custody numbers, times of collection and remarks, as compiled from chains of custody and field logbooks.

At the beginning of each day, REAC personnel signed the Command Center site entry log; the HASP was also signed and remained at the Command Center throughout operations. Prior to sampling on each day, REAC and ERT noted the Global Positioning System (GPS) coordinates for each location with a Trimble differential GPS (dGPS) unit, and marked the spot with a wooden stake. The stakes were marked to indicate the sample location number and the number of cores to be collected at that spot (as described below). All GPS data were processed using Pathfinder Office software, and transferred into a project database. GPS coordinates for all sampling locations are provided in Attachment 1.

Cores were obtained by driving rigid, transparent polycarbonate sleeves (two inch outer diameter, one-eighth inch wall thickness, purchased from Scandia Plastics, Inc.) into the sediment using a sledge hammer and a metal strike-plate that fit over the upper end of the sleeve. Two depths were targeted: 0-6 inches (using a one-foot sleeve), and 0-24 inches (using a three-foot sleeve). In some locations, a 0-36

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inch or 0-48 inch depth was sampled using five-foot sleeves. When the desired depth was reached, the upper end of the sleeve was closed with a plastic end cap, carefully removed from the sediment to prevent loss of sample and capped at the bottom end. Both end caps were secured by duct tape and labeled in the field with the sample location identification number and time of collection. Locations, dates and times of collection, and problems encountered were recorded in field log books (shown in Attachment 3). In cases where water was present in the sleeve in addition to the sediment, a small breach was made in the upper end cap with a razor knife, and the sleeve was sliced open on one side with a hacksaw at the liquid/sediment interface, in order to drain off seawater. REAC manually prepared chains of custody in the field, denoting the date, sample location, depth and any problems encountered. After the first day of sampling, EPA Region II asked REAC to record the times of collection on the chains of custody as well. Copies of these chains are included in Attachment 2. All collected samples remained under direct line-of-sight of a REAC staff member until transfer to EPA Region II.

Depending on distance and location, the cores collected by the onshore teams, and associated chains of custody, were either driven back to the Command Center in an all-terrain vehicle or sport utility vehicle, or hand-carried back. They were then turned over to EPA Region II. Chain of custody numbers 01823 and 01824 and associated samples were signed over to the ERT Quality Assurance (QA) Coordinator in the field, to be brought back to the Region II personnel in the Command Center. For samples collected by the dive team, EPA Region II personnel met the boat to take possession of the samples and associated chains of custody. Region II was responsible for sample management, processing and shipment to a EPA designated Contract Laboratory Program (CLP) laboratory for analysis. Sample processing by EPA Region II included using a chop saw to divide the 0-24 inch cores into two separate samples, 0-12 inches and 12-24 inches. Thus, three samples were potentially obtained at each location: 0-6 inches, and two 12-inch segments. Region II processed, homogenized and placed the samples into appropriate containers (as described in the QAPP), then sent the samples to the lab to be analyzed for metals. At 10 % of the sampling locations, selected at random using VSP, REAC collected additional 0-6 inch cores, along with the 0-24 inch core. Initially, four 0-6 inch cores were collected at these locations; subsequently, REAC was asked to take five 0-6 inch cores. These additional 0-6 inch cores were processed by Region II and shipped to the CLP lab for analysis for the full suite of contaminants: volatile organic analytes (VOAs), semi-volatile organic analytes (SVOAs), pesticides/polychlorinated biphenyls (Pest/PCBs), metals and total organic carbon (TOC). At these same locations, the 12-24 inch sample was also analyzed for TOC. Samples were collected for the full suite analysis at the following 34 locations: A-8, A-17, A-22, A-32, A-41, A-50, A-56 (and duplicate), A-60, A-61, A-68, A-80, A-92, A-110, A-116, A-122, A-133, A-136, A-146, B-4, B-11, B-14, B-31, B-34, C-23, C-28, C-37, C-55, C-68, C-71, C-91, C-94, C-104, C-112 and C-121 (and duplicate).

Sediment cores are typically obtained using acetate sleeves. Because acetate sleeves could not be obtained with the necessary length and wall thickness for the Raritan Bay sampling, polycarbonate sleeves were used. To ensure that the polycarbonate plastic sleeve material would not result in phthalate contamination of the samples, REAC placed “certified clean” sand into five one-foot sleeves, to a depth of 6 inches. These were capped and secured with duct tape as for regular samples, labeled as “equipment blanks” and turned over to Region II to be sent to the CLP laboratory for full analysis. Since dedicated sleeves were used to collect samples, no rinsate blanks were collected by REAC. No field or trip blanks were submitted with the sediment samples. The targeted frequency for field duplicates was 5% of all field samples, in accordance with the *CLP Field Sampler’s Guide* (USEPA 2007). Duplicates were obtained at two of the 34 full-suite analysis locations. For metals-only samples, duplicates were obtained at six of 320 locations. EPA Region II personnel or their contractors were responsible for selection of samples to fulfill the laboratory QC requirements (i.e., matrix spike/matrix spike duplicate [MS/MSD] or duplicates). It is assumed that EPA Region II followed decontamination procedures appropriate for sample homogenization.

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Collection of samples at locations too deep for the onshore teams was initially performed by EPA-certified divers equipped with contaminated water dive gear (VikingPRO® dry suit, AGA MKII ® positive pressure face mask). As the sampling proceeded, the divers received permission from REAC's Health and Safety Officer to switch from dry suits to wet suits. Dive operations consisted of a single diver equipped with self-contained underwater breathing apparatus (SCUBA) or surface supplied air. All dive operations were conducted from suitable vessel(s). Core collection was as described above. At least one member of the dive team was certified as an EPA Divemaster and was responsible, as per the EPA Diving Safety Manual, for ensuring that all diving operations were conducted safely and in accordance with prescribed EPA diving safety rules and regulations. All diving tasks were conducted in accordance with the guidelines, procedures, and regulations of the EPA Dive Safety Board, OSHA, United States Coast Guard (USCG) and the site-specific Dive Plan and HASP. A record of all dive activities was maintained in dive operation logs. Float plans were also prepared on a daily basis during boat operations.

Support operations continuing throughout this effort included monitoring supplies and purchasing/transporting additional supplies to the Command Center or marina as needed, and ensuring adequate staffing. On July 28, with the conclusion of sampling, REAC personnel reported to the Command Center to demobilize and remove all equipment and excess supplies.

Summary of Samples Collected. Table 2 lists all samples collected during this effort. Excluding the five equipment blank cores, a total of 867 cores were collected from 354 sampling locations.

Future Activities. No additional intertidal zone sediment sampling is planned at this time.

References

REAC 2009. *Phased Sampling Design for the Raritan Bay Slag Site*

REAC. Amended Quality Assurance Project Plan (QAPP) for Raritan Bay Slag Site, Old Bridge, New Jersey. June 26, 2009. 0356-DQAPPA1-062609.

U.S. Environmental Protection Agency (USEPA). 2007. *Contract Laboratory Program Field Sampler's Guide*. July.

TABLE 1. Sampled Locations and Dates

Sampling Location	Date of Collection	Sampling Location	Date of Collection	Sampling Location	Date of Collection
A-1	7/1/09	**A-50**	7/16/09	A-99	6/30/09
A-2	7/1/09	A-51	7/16/09	A-100	6/30/09
A-3	7/1/09	A-52	7/16/09	A-101	7/20/09
A-4	7/1/09	A-53	7/16/09	A-102	7/20/09
A-5	7/1/09	A-54	7/16/09	A-103	7/20/09
A-6	7/1/09	A-55	7/16/09	A-104	7/20/09
A-7	7/1/09	**A-56**	7/16/09	A-106	7/17/09
A-8	7/1/09	A-57	7/16/09	A-107	7/17/09
A-9	7/1/09	A-58	7/16/09	A-108	7/17/09, 7/22/09
A-10	7/1/09	A-59	7/16/09	**A-110**	6/30/09
A-11	7/1/09	**A-60**	7/14/09	A-111	6/30/09
A-12	7/1/09	**A-61**	7/22/09	A-112	6/30/09
A-13	7/14/09	A-62	7/17/09	A-113	6/30/09
A-14	7/1/09	A-63	7/17/09	A-114	6/30/09
A-15	7/1/09	A-64	7/17/09	A-115	7/20/09
A-16	7/1/09	A-65	7/17/09	**A-116**	7/20/09
A-17	7/1/09	A-66	7/17/09	A-117	7/20/09
A-18	7/1/09	A-67	7/17/09	A-118	7/20/09
A-19	7/1/09	**A-68**	7/17/09	A-119	7/20/09
A-20	7/1/09	A-69	7/17/09	A-120	7/20/09
A-21	7/15/09	A-70	7/17/09	A-121	6/30/09
A-22	7/1/09	A-71	7/17/09	**A-122**	6/30/09
A-23	7/17/09	A-72	7/17/09	A-123	6/30/09
A-24	7/17/09	A-73	7/17/09	A-124	6/30/09
A-25	7/16/09	A-74	7/17/09	A-125	7/20/09
A-26	7/15/09	A-75	7/17/09	A-126	7/20/09
A-27	7/15/09	A-76	7/17/09	A-127	6/30/09
A-28	7/15/09	A-77	7/17/09	A-128	6/30/09
A-29	7/15/09	A-78	7/17/09	A-129	6/30/09
A-30	7/15/09	A-79	7/17/09	A-130	6/30/09
A-31	7/15/09	**A-80**	7/17/09	A-131	6/30/09
A-32	7/1/09	A-81	7/20/09	A-132	6/30/09
A-33	7/1/09	A-82	7/20/09	**A-133**	6/30/09
A-34	7/1/09	A-83	7/20/09	A-134	7/15/09
A-35	7/1/09	A-84	7/20/09	A-135	7/15/09
A-36	7/15/09	A-85	7/20/09	**A-136**	7/14/09
A-37	7/15/09	A-86	7/20/09	A-137	7/14/09
A-38	7/15/09	A-87	7/20/09	A-138	7/14/09
A-39	7/15/09	A-88	7/17/09	A-139	7/14/09
A-40	7/14/09	A-89	7/17/09	A-140	7/14/09
A-41	7/22/09	A-90	7/17/09	A-141	7/14/09
A-42	7/16/09	A-91	7/17/09	A-142	7/14/09
A-43	7/16/09	**A-92**	7/17/09	A-143	7/14/09
A-44	7/16/09	A-93	7/17/09	A-144	7/14/09
A-45	7/16/09	A-94	7/17/09, 7/20/09	A-145	7/14/09
A-46	7/16/09	A-95	7/17/09	**A-146**	7/14/09
A-47	7/16/09	A-96	7/17/09	A-147	7/15/09
A-48	7/16/09	A-97	7/17/09	A-148	7/15/09
A-49	7/16/09	A-98	6/30/09	A-149	7/15/09

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TABLE 1 (Cont'd.). Sampled Locations and Dates

Sampling Location	Date of Collection	Sampling Location	Date of Collection	Sampling Location	Date of Collection
A-150	7/15/09	B-32	7/8/09	**C-23**	7/8/09
A-151	7/22/09	B-33	7/27/09	C-24	7/8/09
A-152	7/22/09	**B-34**	7/8/09	C-25	7/9/09
A-153	7/20/09	B-35	7/8/09	C-26	7/9/09
A-154	7/20/09	B-36	7/8/09	C-27	7/9/09
A-155	7/20/09	B-37	7/8/09	**C-28**	7/9/09
A-156	7/20/09	B-38	7/27/09	C-29	7/27/09
A-157	7/20/09	B-39	7/27/09	C-30	7/9/09
A-158	7/20/09	B-40	7/27/09	C-31	7/9/09
A-159	7/20/09	B-41	7/8/09	C-32	7/9/09
A-160	7/20/09	B-42	7/27/09	C-33	7/9/09
A-161	7/22/09	B-43	7/27/09	C-34	7/9/09
A-162	7/22/09	B-44	7/8/09	C-35	7/9/09
A-163	7/22/09	B-45	7/8/09	C-36	7/9/09
A-164	7/22/09	B-46	7/9/09	**C-37**	7/9/09
A-165	6/30/09	B-47	7/8/09	C-38	7/9/09
A-166	7/22/09	B-49	7/27/09	C-39	7/9/09
A-167	7/22/09	B-50	7/27/09	C-40	7/9/09
B-1	7/7/09	B-51	7/27/09	C-41	7/22/09
B-2	7/23/09	B-52	7/27/09	C-42	7/13/09
B-3	7/7/09	B-53	7/27/09	C-43	7/13/09
B-4	7/23/09	B-54	7/27/09	C-44	7/13/09
B-5	7/23/09	B-55	7/8/09	C-45	7/13/09
B-6	7/7/09	B-56	7/8/09	C-46	7/13/09
B-7	7/23/09	B-57	7/8/09	C-47	7/9/09
B-8	7/27/09	B-58	7/27/09	C-48	7/9/09
B-9	7/23/09	B-59	7/27/09	C-49	7/9/09
B-10	7/7/09	B-60	7/27/09	C-50	7/9/09
B-11	7/22/09, 7/23/09	B-61	7/27/09	C-51	7/27/09
B-12	7/22/09	B-62	7/27/09	C-52	7/13/09
B-13	7/22/09	B-63	7/27/09	C-53	7/13/09
B-14	7/22/09, 7/23/09	B-64	7/27/09	C-54	7/13/09
B-15	7/7/09	C-1	7/8/09, 7/9/09	**C-55**	7/13/09
B-16	7/7/09	C-2	7/8/09	C-56	7/13/09
B-17	7/22/09	C-3	7/8/09	C-57	7/9/09
B-18	7/22/09	C-7	7/22/09	C-58	7/9/09
B-19	7/22/09	C-8	7/9/09	C-59	7/9/09
B-20	7/22/09	C-9	7/8/09	C-60	7/10/09
B-21	7/7/09	C-10	7/8/09	C-61	7/10/09
B-22	7/7/09	C-13	7/9/09	C-62	7/10/09
B-23	7/23/09	C-14	7/9/09	C-63	7/22/09
B-24	7/23/09	C-15	7/9/09	C-64	7/22/09
B-25	7/23/09	C-16	7/9/09	C-65	7/9/09
B-26	7/8/09	C-17	7/9/09	C-66	7/9/09
B-27	7/8/09	C-18	7/9/09	C-67	7/10/09
B-28	7/7/09	C-19	7/8/09	**C-68**	7/10/09
B-29	7/23/09	C-20	7/8/09	C-69	7/10/09
B-30	7/23/09	C-21	7/9/09	C-70	7/9/09
B-31	7/23/09	C-22	7/8/09	**C-71**	7/9/09

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TABLE 1 (Cont'd.). Sampled Locations and Dates

Sampling Location	Date of Collection	Sampling Location	Date of Collection	Sampling Location	Date of Collection
C-72	7/10/09	C-120	7/8/09		
C-73	7/22/09	**C-121**	7/8/09		
C-74	7/22/09	C-122	7/7/09		
C-75	7/22/09	C-123	7/7/09		
C-76	7/9/09	C-124	7/7/09		
C-77	7/9/09	C-125	7/7/09		
C-78	7/9/09, 7/10/09	C-126	7/7/09		
C-79	7/10/09	C-127	7/7/09		
C-80	7/10/09	C-128	7/7/09		
C-81	7/22/09	C-129	7/7/09		
C-82	7/22/09	C-130	7/7/09		
C-83	7/10/09	C-131	7/7/09		
C-84	7/10/09				
C-85	7/10/09				
C-86	7/10/09				
C-87	7/9/09				
C-88	7/22/09				
C-89	7/22/09				
C-90	7/9/09				
C-91	7/9/09				
C-92	7/22/09				
C-93	7/10/09				
C-94	7/27/09				
C-95	7/22/09				
C-96	7/22/09				
C-97	7/22/09				
C-98	7/22/09				
C-99	7/9/09				
C-100	7/22/09				
C-101	7/22/09				
C-102	7/22/09				
C-103	7/22/09				
C-104	7/27/09				
C-105	7/22/09				
C-106	7/7/09				
C-107	7/22/09				
C-108	7/22/09				
C-109	7/22/09				
C-110	7/8/09				
C-111	7/8/09				
C-112	7/8/09				
C-113	7/8/09				
C-114	7/8/09				
C-115	7/8/09				
C-116	7/8/09				
C-117	7/8/09				
C-118	7/8/09				
C-119	7/8/09				

Note: Bold indicates samples were taken for full-suite analysis; remainder were for metals analysis only.

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TABLE 2. List of Samples Collected, by Date
June 30 through July 27, 2009

Date Collected	Location	Depth	Remarks	Time Collected	Chain of Custody #	Collected by
06/30/09	A-113	0-6"	Compressed - sleeve damaged	7:40a	01813	Onshore Team
06/30/09	A-113	0-24"	Compressed	7:40a	01813	Onshore Team
06/30/09	A-113DUP	0-24"	Compressed	7:40a	01813	Onshore Team
06/30/09	A-114	0-6"		7:35a	01813	Onshore Team
06/30/09	A-114	0-24"		7:35a	01813	Onshore Team
06/30/09	A-124	0-6"		7:46a	01813	Onshore Team
06/30/09	A-124	0-24"		7:46a	01813	Onshore Team
06/30/09	A-129	0-6"	No 0-24" sample collected-rocky area by jetty.*	8:00a	01813	Onshore Team
06/30/09	A-122	0-6"		8:22a	01813	Onshore Team
06/30/09	A-122	0-24"		8:22a	01813	Onshore Team
06/30/09	A-100	0-6"		8:44a	01813	Onshore Team
06/30/09	A-100	0-24"	Compressed	8:44a	01813	Onshore Team
06/30/09	A-112	0-6"		8:39a	01813	Onshore Team
06/30/09	A-112	0-24"		8:39a	01813	Onshore Team
06/30/09	A-132	0-6"		9:00a	01813	Onshore Team
06/30/09	A-132	0-24"		9:00a	01813	Onshore Team
06/30/09	A-121	0-6"		9:08a	01814	Onshore Team
06/30/09	A-121	0-24"		9:08a	01814	Onshore Team
06/30/09	A-165	0-6"		9:20a	01814	Onshore Team
06/30/09	A-165	0-24"		9:20a	01814	Onshore Team
06/30/09	A-99	0-6"		9:30a	01814	Onshore Team
06/30/09	A-99	0-24"		9:30a	01814	Onshore Team
06/30/09	A-122	0-6"		9:24a	01814	Onshore Team
06/30/09	A-122	0-6"		9:24a	01814	Onshore Team
06/30/09	A-122	0-6"		9:24a	01814	Onshore Team
06/30/09	A-122	0-6"		9:45a	01814	Onshore Team
06/30/09	A-133	0-6"		9:40a	01814	Onshore Team
06/30/09	A-133	0-6"		9:45a	01814	Onshore Team
06/30/09	A-133	0-6"		9:45a	01814	Onshore Team
06/30/09	A-133	0-6"		9:50a	01814	Onshore Team
06/30/09	A-133	0-24"		9:55a	01814	Onshore Team
06/30/09	A-98	0-6"	Approx. 4" collected due to refusal.	10:00a	01817	Onshore Team
06/30/09	A-98	0-24"		10:00a	01817	Onshore Team
06/30/09	A-110	0-6"	Approx. 4" collected due to refusal.	10:18a	01817	Onshore Team
06/30/09	A-110	0-6"	Approx. 4" collected due to refusal.	10:18a	01817	Onshore Team
06/30/09	A-110	0-6"		10:18a	01817	Onshore Team
06/30/09	A-110	0-6"		10:18a	01817	Onshore Team
06/30/09	A-110	0-6"		10:18a	01817	Onshore Team
06/30/09	A-110	0-24"		10:18a	01817	Onshore Team
06/30/09	A-131	0-6"		10:05a	01817	Onshore Team
06/30/09	A-131	0-24"		10:05a	01817	Onshore Team

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TABLE 2 (Cont'd). List of Samples Collected, by Date
June 30 through July 27, 2009

Date Collected	Location	Depth	Remarks	Time Collected	Chain of Custody #	Collected by
06/30/09	A-130	0-6"		8:33a	01817	Onshore Team
06/30/09	A-130	0-24"		8:33a	01817	Onshore Team
06/30/09	A-127	0-6"		10:13a	01817	Onshore Team
06/30/09	A-127	0-24"		10:13a	01817	Onshore Team
06/30/09	A-128	0-6"		10:30a	01817	Onshore Team
06/30/09	A-128	0-24"		10:30a	01817	Onshore Team
06/30/09	A-123	0-6"	No 0-24" sample could be collected due to refusal.	NR	01817	Onshore Team
06/30/09	A-111	0-6"		10:50a	01817	Onshore Team
06/30/09	A-111	0-24"		10:50a	01817	Onshore Team
07/01/09	A-6	0-6"		9:17a	01818	Onshore Team
07/01/09	A-6	0-6"	No 0-24" sample could be collected due to refusal.	9:25a	01818	Onshore Team
07/01/09	A-7	0-6"		9:00a	01818	Onshore Team
07/01/09	A-7	0-6"	No 0-24" sample could be collected due to refusal.	9:00a	01818	Onshore Team
07/01/09	A-16	0-6"	Compression	9:15a	01818	Onshore Team
07/01/09	A-16	0-24"	Approx. 6" collected*	9:15a	01818	Onshore Team
07/01/09	A-17	0-6"		9:20a	01818	Onshore Team
07/01/09	A-17	0-6"		9:20a	01818	Onshore Team
07/01/09	A-17	0-6"		9:20a	01818	Onshore Team
07/01/09	A-17	0-6"		9:20a	01818	Onshore Team
07/01/09	A-17	0-6"		9:20a	01818	Onshore Team
07/01/09	A-17	0-24"		9:20a	01818	Onshore Team
07/01/09	A-18	0-6"	Approx. 3" collected.*	9:00a	01818	Onshore Team
07/01/09	A-18	0-24"	Approx. 18" collected.*	8:57a	01818	Onshore Team
07/01/09	A-19	0-6"	Approx. 4" collected*	8:40a	01818	Onshore Team
07/01/09	A-19	0-24"	Approx. 18" collected.*	8:50a	01818	Onshore Team
07/01/09	A-20	0-6"	Gravelly area	8:40a	01818	Onshore Team
07/01/09	A-20	0-24"	Approx. 6" collected*	8:40a	01818	Onshore Team
07/01/09	A-15	0-6"		8:30a	01819	Onshore Team
07/01/09	A-15	0-24"	Approx. 10" collected*	8:44a	01819	Onshore Team
07/01/09	A-3	0-6"	Cobble stone	9:40a	01819	Onshore Team
07/01/09	A-3	0-24"	Cobble stone	9:40a	01819	Onshore Team
07/01/09	A-4	0-6"		9:40a	01819	Onshore Team
07/01/09	A-4	0-24"		9:40a	01819	Onshore Team
07/01/09	A-5	0-6"		9:40a	01819	Onshore Team
07/01/09	A-5	0-24"	Approx. 12" collected*	9:40a	01819	Onshore Team
07/01/09	A-2	0-6"	Approx. 4" collected*	9:50a	01819	Onshore Team
07/01/09	A-2	0-24"		9:50a	01819	Onshore Team
07/01/09	A-11	0-6"		9:59a	01819	Onshore Team
07/01/09	A-11	0-24"	Approx. 20" collected*	9:56a	01819	Onshore Team
07/01/09	A-1	0-6"		10:00a	01819	Onshore Team
07/01/09	A-1	0-24"	Bottom of sleeve broken; second 24" sample taken	10:00a	01819	Onshore Team
07/01/09	A-1	0-24"		10:15a	01819	Onshore Team
07/01/09	A-12	0-6"		10:15a	01819	Onshore Team
07/01/09	A-12	0-24"	Approx. 16" collected.*	10:15a	01819	Onshore Team

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TABLE 2 (Cont'd). List of Samples Collected, by Date
June 30 through July 27, 2009

Date Collected	Location	Depth	Remarks	Time Collected	Chain of Custody #	Collected by
07/01/09	A-14	0-6"		10:22a	01820	Onshore Team
07/01/09	A-14	0-24"		10:18a	01820	Onshore Team
07/01/09	A-9	0-6"		10:35a	01820	Onshore Team
07/01/09	A-9	0-24"	Approx. 10" collected*	10:35a	01820	Onshore Team
07/01/09	A-10	0-6"		10:25a	01820	Onshore Team
07/01/09	A-10	0-24"	Compression	10:25a	01820	Onshore Team
07/01/09	A-32	0-6"		10:58a	01820	Onshore Team
07/01/09	A-32	0-6"		11:05a	01820	Onshore Team
07/01/09	A-32	0-6"		11:10a	01820	Onshore Team
07/01/09	A-32	0-6"		11:15a	01820	Onshore Team
07/01/09	A-32	0-6"		11:20a	01820	Onshore Team
07/01/09	A-8	0-6"		11:00a	01820	Onshore Team
07/01/09	A-8	0-6"	Approx. 4" collected*	11:00a	01820	Onshore Team
07/01/09	A-8	0-6"	Approx. 3" collected.*	11:00a	01820	Onshore Team
07/01/09	A-8	0-6"		11:00a	01820	Onshore Team
07/01/09	A-8	0-24"		11:00a	01820	Onshore Team
07/01/09	A-22	0-6"		11:15a	01821	Onshore Team
07/01/09	A-22	0-6"		11:15a	01821	Onshore Team
07/01/09	A-22	0-6"		11:15a	01821	Onshore Team
07/01/09	A-22	0-6"		11:15a	01821	Onshore Team
07/01/09	A-22	0-24"		11:15a	01821	Onshore Team
07/01/09	A-35	0-6"		11:40a	01821	Onshore Team
07/01/09	A-35	0-24"		11:40a	01821	Onshore Team
07/01/09	A-34	0-6"		11:25a	01821	Onshore Team
07/01/09	A-34	0-24"	Approx. 12" collected*	11:25a	01821	Onshore Team
07/01/09	A-33	0-6"		11:30a	01821	Onshore Team
07/01/09	A-33	0-24"	Approx. 8" collected*	11:30a	01821	Onshore Team
07/01/09	A-32	0-24"	Approx. 5" collected*	11:15a	01821	Onshore Team
07/07/09	B-1	0-6"		1:20p	01825	Onshore Team
07/07/09	B-1	0-24"	Approx. 8" collected*	1:20p	01825	Onshore Team
07/07/09	B-3	0-6"		1:35p	01825	Onshore Team
07/07/09	B-3	0-24"	Approx. 12" collected*	1:35p	01825	Onshore Team
07/07/09	B-6	0-6"		1:35p	01825	Onshore Team
07/07/09	B-6	0-24"		1:39p	01825	Onshore Team
07/07/09	B-10	0-6"		2:25p	01826	Onshore Team
07/07/09	B-10	0-24"		2:48p	01826	Onshore Team
07/07/09	B-15	0-6"		1:50p	01826	Onshore Team
07/07/09	B-15	0-24"		1:50p	01826	Onshore Team
07/07/09	B-16	0-6"		2:12p	01826	Onshore Team
07/07/09	B-16	0-24"		2:17p	01826	Onshore Team
07/07/09	B-21	0-6"		2:30p	01826	Onshore Team
07/07/09	B-21	0-24"		2:30p	01826	Onshore Team
07/07/09	B-28	0-6"		2:27p	01826	Onshore Team
07/07/09	B-28	0-24"		2:52p	01826	Onshore Team
07/07/09	B-22	0-24"		2:53p	01826	Onshore Team
07/07/09	B-22	0-6"		2:53p	01834	Onshore Team
07/07/09	C-106	0-6"		NR	14439	Dive Team
07/07/09	C-106	0-24"		NR	14439	Dive Team

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TABLE 2 (Cont'd). List of Samples Collected, by Date
June 30 through July 27, 2009

Date Collected	Location	Depth	Remarks	Time Collected	Chain of Custody #	Collected by
07/07/09	C-131	0-6"		NR	14439	Dive Team
07/07/09	C-131	0-24"		NR	14439	Dive Team
07/07/09	C-130	0-6"		NR	14439	Dive Team
07/07/09	C-130	0-24"		NR	14439	Dive Team
07/07/09	C-129	0-6"		NR	14439	Dive Team
07/07/09	C-129	0-24"		NR	14439	Dive Team
07/07/09	C-128	0-6"		NR	14439	Dive Team
07/07/09	C-128	0-24"		NR	14439	Dive Team
07/07/09	C-127	0-6"		NR	14439	Dive Team
07/07/09	C-127	0-24"		NR	14439	Dive Team
07/07/09	C-126	0-6"		NR	14439	Dive Team
07/07/09	C-126	0-24"		NR	14439	Dive Team
07/07/09	C-125	0-6"		NR	14439	Dive Team
07/07/09	C-125	0-24"		NR	14439	Dive Team
07/07/09	C-124	0-6"		NR	14439	Dive Team
07/07/09	C-124	0-24"		NR	14439	Dive Team
07/07/09	C-123	0-6"		NR	14439	Dive Team
07/07/09	C-123	0-24"		NR	14439	Dive Team
07/07/09	C-122	0-6"		NR	14439	Dive Team
07/07/09	C-122	0-24"		NR	14439	Dive Team
07/08/09	C-110	0-6"		10:24a	14440	Dive Team
07/08/09	C-110	0-24"		10:24a	14440	Dive Team
07/08/09	C-111	0-6"		10:44a	14440	Dive Team
07/08/09	C-111	0-24"		10:44a	14440	Dive Team
07/08/09	C-112	0-6"		11:04a	14440	Dive Team
07/08/09	C-112	0-6"		11:04a	14440	Dive Team
07/08/09	C-112	0-6"		11:04a	14440	Dive Team
07/08/09	C-112	0-6"		11:04a	14440	Dive Team
07/08/09	C-112	0-6"		11:04a	14440	Dive Team
07/08/09	C-112	0-24"		11:04a	14440	Dive Team
07/08/09	C-116	0-6"		11:33a	14440	Dive Team
07/08/09	C-116	0-24"		11:33a	14440	Dive Team
07/08/09	C-115	0-6"		11:45a	14440	Dive Team
07/08/09	C-115	0-24"		11:45a	14440	Dive Team
07/08/09	C-114	0-6"		11:53a	14440	Dive Team
07/08/09	C-114	0-24"		11:53a	14440	Dive Team
07/08/09	C-113	0-6"		1:32p	14441	Dive Team
07/08/09	C-113	0-24"		1:32p	14441	Dive Team
07/08/09	C-117	0-6"		1:44p	14441	Dive Team
07/08/09	C-117	0-24"		1:44p	14441	Dive Team
07/08/09	C-121	0-6"		1:58p	14441	Dive Team
07/08/09	C-121	0-6"		1:58p	14441	Dive Team
07/08/09	C-121	0-6"		1:58p	14441	Dive Team
07/08/09	C-121	0-6"		1:58p	14441	Dive Team
07/08/09	C-121	0-6"		1:58p	14441	Dive Team
07/08/09	C-121	0-24"		1:58p	14441	Dive Team
07/08/09	C-121DUP	0-6"		2:09p	14441	Dive Team
07/08/09	C-121DUP	0-6"		2:09p	14441	Dive Team

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TABLE 2 (Cont'd). List of Samples Collected, by Date
June 30 through July 27, 2009

Date Collected	Location	Depth	Remarks	Time Collected	Chain of Custody #	Collected by
07/08/09	C-121DUP	0-6"		2:09p	14441	Dive Team
07/08/09	C-121DUP	0-6"		2:09p	14441	Dive Team
07/08/09	C-121DUP	0-6"		2:09p	14441	Dive Team
07/08/09	C-121DUP	0-24"		2:09p	14441	Dive Team
07/08/09	C-118	0-6"		2:59p	14441	Dive Team
07/08/09	C-118	0-24"		2:59p	14441	Dive Team
07/08/09	C-119	0-6"		3:25p	14441	Dive Team
07/08/09	C-119	0-24"		3:25p	14441	Dive Team
07/08/09	C-120	0-6"		NR	14441	Dive Team
07/08/09	C-120	0-24"		NR	14441	Dive Team
07/08/09	B-36	0-6"		1:46p	01835	Onshore Team
07/08/09	B-36	0-24"		1:46p	01835	Onshore Team
07/08/09	B-35	0-6"		1:54p	01835	Onshore Team
07/08/09	B-35	0-24"		1:52p	01835	Onshore Team
07/08/09	B-41	0-6"		2:04p	01835	Onshore Team
07/08/09	B-41	0-24"		2:04p	01835	Onshore Team
07/08/09	B-37	0-6"		1:53p	01835	Onshore Team
07/08/09	B-37	0-24"		1:53p	01835	Onshore Team
07/08/09	B-47	0-6"		2:12p	01835	Onshore Team
07/08/09	B-47	0-24"		2:12p	01835	Onshore Team
07/08/09	B-56	0-6"		2:12p	01835	Onshore Team
07/08/09	B-56	0-24"		2:11p	01835	Onshore Team
07/08/09	B-57	0-6"		2:22p	01835	Onshore Team
07/08/09	B-57	0-24"		2:22p	01835	Onshore Team
07/08/09	B-55	0-24"		2:30p	01835	Onshore Team
07/08/09	B-55	0-6"		2:30p	01835	Onshore Team
07/08/09	B-45	0-24"		2:41p	01835	Onshore Team
07/08/09	B-45	0-6"		2:41p	01835	Onshore Team
07/08/09	B-44	0-24"		2:45p	01836	Onshore Team
07/08/09	B-44	0-6"		2:48p	01836	Onshore Team
07/08/09	B-27	0-6"		3:27p	01836	Onshore Team
07/08/09	B-27	0-24"		3:36p	01836	Onshore Team
07/08/09	B-26	0-24"		3:40p	01836	Onshore Team
07/08/09	B-26	0-6"		3:40p	01836	Onshore Team
07/08/09	B-32	0-6"		3:40p	01836	Onshore Team
07/08/09	B-32	0-24"		3:40p	01836	Onshore Team
07/08/09	B-34	0-6"		3:30p	01836	Onshore Team
07/08/09	B-34	0-6"		3:30p	01836	Onshore Team
07/08/09	B-34	0-6"		3:30p	01836	Onshore Team
07/08/09	B-34	0-6"		3:30p	01836	Onshore Team
07/08/09	B-34	0-24"		3:30p	01836	Onshore Team
07/08/09	C-2	0-6"		4:40p	01837	Onshore Team
07/08/09	C-2	0-24"		4:40p	01837	Onshore Team
07/08/09	C-1	0-6"		4:43p	01837	Onshore Team
07/08/09	C-1	0-24"		4:43p	01837	Onshore Team
07/08/09	C-9	0-6"	Watery sample	4:49p	01837	Onshore Team
07/08/09	C-9	0-24"		4:48p	01837	Onshore Team
07/08/09	C-19	0-24"		4:54p	01837	Onshore Team

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TABLE 2 (Cont'd). List of Samples Collected, by Date
June 30 through July 27, 2009

Date Collected	Location	Depth	Remarks	Time Collected	Chain of Custody #	Collected by
07/08/09	C-3	0-6"		5:03p	01837	Onshore Team
07/08/09	C-3	0-24"		5:03p	01837	Onshore Team
07/08/09	C-10	0-6"		5:10p	01837	Onshore Team
07/08/09	C-10	0-24"		5:10p	01837	Onshore Team
07/08/09	C-20	0-6"	Approx. 3" collected.*	5:10p	01837	Onshore Team
07/08/09	C-20	0-24"		5:10p	01837	Onshore Team
07/08/09	C-19	0-6"		4:56p	01837	Onshore Team
07/08/09	C-22	0-6"		5:17p	01837	Onshore Team
07/08/09	C-22	0-24"		5:17p	01837	Onshore Team
07/08/09	C-24	0-6"		5:25p	01837	Onshore Team
07/08/09	C-24	0-24"		5:25p	01837	Onshore Team
07/08/09	C-23	0-6"		5:25p	01838	Onshore Team
07/08/09	C-23	0-24"		5:25p	01838	Onshore Team
07/08/09	C-23	0-6"		5:25p	01838	Onshore Team
07/08/09	C-23	0-6"		5:25p	01838	Onshore Team
07/08/09	C-23	0-6"		5:25p	01838	Onshore Team
07/09/09	C-48	0-6"		3:17p	01827	Dive Team
07/09/09	C-48	0-24"		3:17p	01827	Dive Team
07/09/09	C-49	0-6"		3:25p	01827	Dive Team
07/09/09	C-49	0-36"		3:25p	01827	Dive Team
07/09/09	C-50	0-6"		3:33p	01827	Dive Team
07/09/09	C-50	0-24"		3:33p	01827	Dive Team
07/09/09	C-59	0-6"		3:46p	01827	Dive Team
07/09/09	C-59	0-24"		3:46p	01827	Dive Team
07/09/09	C-58	0-6"		4:00p	01827	Dive Team
07/09/09	C-58	0-36"		4:00p	01827	Dive Team
07/09/09	C-57	0-6"		4:10p	01827	Dive Team
07/09/09	C-57	0-36"		4:10p	01827	Dive Team
07/09/09	C-65	0-6"		4:21p	01827	Dive Team
07/09/09	C-65	0-24"		4:21p	01827	Dive Team
07/09/09	C-66	0-6"		4:28p	01827	Dive Team
07/09/09	C-66	0-24"		4:28p	01827	Dive Team
07/09/09	C-77	0-6"		4:44p	01827	Dive Team
07/09/09	C-77	0-24"		4:44p	01827	Dive Team
07/09/09	C-78	0-6"		4:55p	01827	Dive Team
07/09/09	C-78	0-24"		4:55p	01827	Dive Team
07/09/09	C-15	0-6"		11:20a	14442	Dive Team
07/09/09	C-15	0-24"		11:20a	14442	Dive Team
07/09/09	C-16	0-6"		11:30a	14442	Dive Team
07/09/09	C-16	0-24"		11:30a	14442	Dive Team
07/09/09	C-27	0-6"		11:39a	14442	Dive Team
07/09/09	C-27	0-24"		11:39a	14442	Dive Team
07/09/09	C-28	0-6"		11:48a	14442	Dive Team
07/09/09	C-28	0-6"		11:48a	14442	Dive Team
07/09/09	C-28	0-6"		11:48a	14442	Dive Team
07/09/09	C-28	0-6"		11:48a	14442	Dive Team
07/09/09	C-28	0-6"		11:48a	14442	Dive Team
07/09/09	C-28	0-24"		11:48a	14442	Dive Team

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TABLE 2(Cont'd). List of Samples Collected, by Date
June 30 through July 27, 2009

Date Collected	Location	Depth	Remarks	Time Collected	Chain of Custody #	Collected by
07/09/09	C-26	0-6"		12:48p	14442	Dive Team
07/09/09	C-26	0-24"		12:48p	14442	Dive Team
07/09/09	C-25	0-6"		12:53p	14442	Dive Team
07/09/09	C-25	0-24"		12:53p	14442	Dive Team
07/09/09	C-37	0-6"		12:58p	14442	Dive Team
07/09/09	C-37	0-6"		12:58p	14442	Dive Team
07/09/09	C-37	0-6"		12:58p	14442	Dive Team
07/09/09	C-37	0-6"		12:58p	14442	Dive Team
07/09/09	C-37	0-6"		12:58p	14442	Dive Team
07/09/09	C-37	0-24"		12:58p	14442	Dive Team
07/09/09	C-38	0-6"		1:15p	14442	Dive Team
07/09/09	C-38	0-24"		1:15p	14442	Dive Team
07/09/09	C-39	0-6"		1:21p	14442	Dive Team
07/09/09	C-39	0-24"		1:21p	14442	Dive Team
07/09/09	C-40	0-6"		1:29p	14442	Dive Team
07/09/09	C-40	0-24"		1:29p	14442	Dive Team
07/09/09	EB	0-6"	Equipment Blank	2:50p	01823	Onshore Team
07/09/09	EB	0-6"	Equipment Blank	2:50p	01823	Onshore Team
07/09/09	EB	0-6"	Equipment Blank	2:50p	01823	Onshore Team
07/09/09	EB	0-6"	Equipment Blank	2:50p	01823	Onshore Team
07/09/09	EB	0-6"	Equipment Blank	2:50p	01823	Onshore Team
07/09/09	C-13	0-6"		2:54p	01823	Onshore Team
07/09/09	C-13	0-24"		2:52p	01823	Onshore Team
07/09/09	C-21	0-6"		2:44p	01823	Onshore Team
07/09/09	C-21	0-24"		2:40p	01823	Onshore Team
07/09/09	C-36	0-6"		2:50p	01823	Onshore Team
07/09/09	C-36	0-24"		2:57p	01823	Onshore Team
07/09/09	C-35	0-6"		2:59p	01823	Onshore Team
07/09/09	C-35 DUP	0-6"		2:59p	01823	Onshore Team
07/09/09	C-35	0-24"		2:59p	01823	Onshore Team
07/09/09	C-35 DUP	0-24"		2:59p	01823	Onshore Team
07/09/09	C-32	0-6"		3:21p	01823	Onshore Team
07/09/09	C-32	0-24"		3:24p	01823	Onshore Team
07/09/09	C-31	0-6"		3:30p	01823	Onshore Team
07/09/09	C-31	0-24"		3:24p	01823	Onshore Team
07/09/09	C-33	0-6"	Approx. 3" collected.*	3:13p	01824	Onshore Team
07/09/09	C-33	0-24"		3:11p	01824	Onshore Team
07/09/09	C-14	0-6"		3:00p	01824	Onshore Team
07/09/09	C-14	0-24"		3:00p	01824	Onshore Team
07/09/09	C-34	0-6"		3:20p	01824	Onshore Team
07/09/09	C-34 DUP	0-6"		3:20p	01824	Onshore Team
07/09/09	C-34	0-24"		3:20p	01824	Onshore Team
07/09/09	C-34 DUP	0-24"		3:20p	01824	Onshore Team
07/09/09	C-70	0-6"		3:40p	01824	Onshore Team
07/09/09	C-70	0-24"		3:40p	01824	Onshore Team
07/09/09	C-47	0-6"		3:10p	01824	Onshore Team
07/09/09	C-71	0-6"		3:50p	01824	Onshore Team
07/09/09	C-71	0-6"		3:46p	01824	Onshore Team

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TABLE 2 (Cont'd). List of Samples Collected, by Date
June 30 through July 27, 2009

Date Collected	Location	Depth	Remarks	Time Collected	Chain of Custody #	Collected by
07/09/09	C-71	0-6"		3:50p	01824	Onshore Team
07/09/09	C-71	0-6"		3:50p	01824	Onshore Team
07/09/09	C-71	0-24"		3:46p	01824	Onshore Team
07/09/09	C-47	0-24"		3:10p	01824	Onshore Team
07/09/09	C-76	0-6"		3:50p	01839	Onshore Team
07/09/09	C-76	0-24"		3:50p	01839	Onshore Team
07/09/09	C-99	0-6"		4:20p	01839	Onshore Team
07/09/09	C-99	0-24"		4:20p	01839	Onshore Team
07/09/09	C-8	0-6"		4:29p	01839	Onshore Team
07/09/09	C-8	0-48"	Compressed	4:27p	01839	Onshore Team
07/09/09	C-90	0-6"		3:58p	01839	Onshore Team
07/09/09	C-90 DUP	0-6"		3:58p	01839	Onshore Team
07/09/09	C-90	0-24"		3:58p	01839	Onshore Team
07/09/09	C-90 DUP	0-24"		3:58p	01839	Onshore Team
07/09/09	C-87	0-6"		4:00p	01839	Onshore Team
07/09/09	C-87	0-24"		4:00p	01839	Onshore Team
07/09/09	C-17	0-48"	Compressed	4:31p	01839	Onshore Team
07/09/09	C-17	0-6"		4:32p	01839	Onshore Team
07/09/09	C-91	0-6"		4:20p	01839	Onshore Team
07/09/09	C-91	0-6"		4:20p	01839	Onshore Team
07/09/09	C-91	0-6"		4:20p	01839	Onshore Team
07/09/09	C-91	0-6"		4:20p	01839	Onshore Team
07/09/09	C-91	0-24"		4:00p	01839	Onshore Team
07/09/09	C-91	0-6"		4:20p	01839	Onshore Team
07/09/09	C-18	0-6"		4:52p	01840	Onshore Team
07/09/09	C-18	0-48"		4:50p	01840	Onshore Team
07/09/09	C-28	0-6"	See also chain #14442	4:55p	01840	Onshore Team
07/09/09	C-28	0-48"	See also chain #14442	4:55p	01840	Onshore Team
07/09/09	C-1	0-6"	Also sampled 7/8/09	4:55p	01840	Onshore Team
07/09/09	C-1	0-48"	Also sampled 7/8/09	4:55p	01840	Onshore Team
07/09/09	C-30	0-6"		5:20p	01840	Onshore Team
07/09/09	C-30	0-48"		5:20p	01840	Onshore Team
07/09/09	B-46	0-6"		5:38p	01840	Onshore Team
07/09/09	B-46	0-24"	Approx. 18" collected.*	5:38p	01840	Onshore Team
7/10/09	C-67	0-6"		10:25a	01828	Dive Team
7/10/09	C-67	0-24"	Approx. 8" collected*	10:25a	01828	Dive Team
7/10/09	C-60	0-6"		10:35a	01828	Dive Team
7/10/09	C-60	0-24"	Approx. 16" collected*	10:35a	01828	Dive Team
7/10/09	C-61	0-6"		10:55a	01828	Dive Team
7/10/09	C-61	0-24"		10:55a	01828	Dive Team
7/10/09	C-62	0-6"		11:05a	01828	Dive Team
7/10/09	C-62	0-24"		11:05a	01828	Dive Team
7/10/09	C-72	0-6"		11:20a	01828	Dive Team
7/10/09	C-72	0-24"		11:20a	01828	Dive Team
7/10/09	C-69	0-6"		11:30a	01828	Dive Team
7/10/09	C-69	0-24"		11:30a	01828	Dive Team
7/10/09	C-68	0-6"		11:50a	01828	Dive Team
7/10/09	C-68	0-6"		11:50a	01828	Dive Team

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TABLE 2 (Cont'd). List of Samples Collected, by Date
June 30 through July 27, 2009

Date Collected	Location	Depth	Remarks	Time Collected	Chain of Custody #	Collected by
7/10/09	C-68	0-6"		11:50a	01828	Dive Team
7/10/09	C-68	0-6"		11:50a	01828	Dive Team
7/10/09	C-68	0-6"		11:50a	01828	Dive Team
7/10/2009	C-68	0-24"		11:50a	01828	Dive Team
7/10/2009	C-78DUP	0-6"	C-78 collected 7/9/09	1:25p	01829	Dive Team
7/10/2009	C-78DUP	0-24"	C-78 collected 7/9/09	1:25p	01829	Dive Team
7/10/2009	C-79	0-6"		1:40p	01829	Dive Team
7/10/2009	C-79	0-24"		1:40p	01829	Dive Team
7/10/2009	C-80	0-6"		1:55p	01829	Dive Team
7/10/2009	C-80	0-24"		1:55p	01829	Dive Team
7/10/2009	C-86	0-6"		2:15p	01829	Dive Team
7/10/2009	C-86	0-24"		2:15p	01829	Dive Team
7/10/2009	C-85	0-6"		2:40p	01829	Dive Team
7/10/2009	C-85	0-24"		2:40p	01829	Dive Team
7/10/2009	C-84	0-6"		3:00p	01829	Dive Team
7/10/2009	C-84	0-24"		3:00p	01829	Dive Team
7/10/2009	C-83	0-6"		3:15p	01829	Dive Team
7/10/2009	C-83	0-24"		3:15p	01829	Dive Team
7/10/2009	C-93	0-6"		3:25p	01829	Dive Team
7/10/2009	C-93	0-24"		3:25p	01829	Dive Team
7/13/2009	C-52	0-6"		1:15p	01830	Dive Team
7/13/2009	C-52	0-24"		1:15p	01830	Dive Team
7/13/2009	C-42	0-6"		1:30p	01830	Dive Team
7/13/2009	C-42	0-24"		1:30p	01830	Dive Team
7/13/2009	C-43	0-6"		1:45p	01830	Dive Team
7/13/2009	C-43	0-24"		1:45p	01830	Dive Team
7/13/2009	C-44	0-6"		2:00p	01830	Dive Team
7/13/2009	C-44	0-24"		2:00p	01830	Dive Team
7/13/2009	C-45	0-6"		2:06p	01830	Dive Team
7/13/2009	C-45	0-24"		2:06p	01830	Dive Team
7/13/2009	C-46	0-6"		2:15p	01830	Dive Team
7/13/2009	C-46	0-24"		2:15p	01830	Dive Team
7/13/2009	C-56	0-6"		2:20p	01830	Dive Team
7/13/2009	C-56	0-24"		2:20p	01830	Dive Team
7/13/2009	C-55	0-6"		2:35p	01830	Dive Team
7/13/2009	C-55	0-6"		2:35p	01830	Dive Team
7/13/2009	C-55	0-6"		2:35p	01830	Dive Team
7/13/2009	C-55	0-6"		2:35p	01830	Dive Team
7/13/2009	C-55	0-6"		2:35p	01830	Dive Team
7/13/2009	C-55	0-24"		2:35p	01830	Dive Team
7/13/2009	C-54	0-6"		3:00p	01830	Dive Team
7/13/2009	C-54	0-24"		3:00p	01830	Dive Team
7/13/2009	C-53	0-6"		3:10p	01830	Dive Team
7/13/2009	C-53	0-24"		3:10p	01830	Dive Team
7/14/2009	A-13	0-6"		11:40a	02233	Dive Team
7/14/2009	A-13	0-24"		11:40a	02233	Dive Team
7/14/2009	A-40	0-6"		12:08p	02233	Dive Team
7/14/2009	A-40	0-24"		12:08p	02233	Dive Team

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TABLE 2 (Cont'd). List of Samples Collected, by Date
June 30 through July 27, 2009

Date Collected	Location	Depth	Remarks	Time Collected	Chain of Custody #	Collected by
7/14/2009	A-137	0-6"		12:20p	02233	Dive Team
7/14/2009	A-137	0-24"		12:20p	02233	Dive Team
7/14/2009	A-141	0-6"		12:36p	02233	Dive Team
7/14/2009	A-141	0-24"		12:36p	02233	Dive Team
7/14/2009	A-140	0-6"		12:52p	02233	Dive Team
7/14/2009	A-140	0-24"		12:52p	02233	Dive Team
7/14/2009	A-146	0-6"		2:24p	02234	Dive Team
7/14/2009	A-146	0-6"		2:24p	02234	Dive Team
7/14/2009	A-146	0-6"		2:24p	02234	Dive Team
7/14/2009	A-146	0-6"		2:24p	02234	Dive Team
7/14/2009	A-146	0-6"		2:24p	02234	Dive Team
7/14/2009	A-146	0-24"		2:24p	02234	Dive Team
7/14/2009	A-145	0-6"		2:43p	02234	Dive Team
7/14/2009	A-145	0-24"		2:43p	02234	Dive Team
7/14/2009	A-144	0-6"		2:50p	02234	Dive Team
7/14/2009	A-144	0-24"		2:50p	02234	Dive Team
7/14/2009	A-143	0-6"		2:56p	02234	Dive Team
7/14/2009	A-143	0-24"		2:56p	02234	Dive Team
7/14/2009	A-142	0-6"		3:02p	02234	Dive Team
7/14/2009	A-142	0-24"		3:02p	02234	Dive Team
7/14/2009	A-60	0-6"		3:19p	02234	Dive Team
7/14/2009	A-60	0-6"		3:19p	02234	Dive Team
7/14/2009	A-60	0-6"		3:19p	02234	Dive Team
7/14/2009	A-60	0-6"		3:19p	02234	Dive Team
7/14/2009	A-60	0-6"		3:19p	02234	Dive Team
7/14/2009	A-60	0-24"		3:19p	02234	Dive Team
7/14/2009	A-139	0-6"		3:24p	02234	Dive Team
7/14/2009	A-139	0-24"		3:24p	02234	Dive Team
7/14/2009	A-138	0-6"		3:30p	02234	Dive Team
7/14/2009	A-138	0-24"		3:30p	02234	Dive Team
7/14/2009	A-136	0-6"		3:42p	02234	Dive Team
7/14/2009	A-136	0-6"		3:42p	02234	Dive Team
7/14/2009	A-136	0-6"		3:42p	02234	Dive Team
7/14/2009	A-136	0-6"		3:42p	02234	Dive Team
7/14/2009	A-136	0-6"		3:42p	02234	Dive Team
7/14/2009	A-136	0-24"		3:42p	02234	Dive Team
7/15/2009	A-39	0-6"		10:40a	02235	Dive Team
7/15/2009	A-39	0-24"		10:40a	02235	Dive Team
7/15/2009	A-38	0-6"		11:10a	02235	Dive Team
7/15/2009	A-38	0-24"		11:10a	02235	Dive Team
7/15/2009	A-37	0-6"		11:30a	02235	Dive Team
7/15/2009	A-37	0-24"	Approx. 18" collected.*	11:30a	02235	Dive Team
7/15/2009	A-36	0-6"		11:37a	02235	Dive Team
7/15/2009	A-36	0-24"		11:37a	02235	Dive Team
7/15/2009	A-31	0-6"		12:00p	02235	Dive Team
7/15/2009	A-31	0-24"	Approx. 18" collected.*	12:00p	02235	Dive Team
7/15/2009	A-30	0-6"		12:12p	02235	Dive Team
7/15/2009	A-30	0-24"		12:12p	02235	Dive Team

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TABLE 2 (Cont'd). List of Samples Collected, by Date
June 30 through July 27, 2009

Date Collected	Location	Depth	Remarks	Time Collected	Chain of Custody #	Collected by
7/15/2009	A-134	0-6"		1:00p	02236	Dive Team
7/15/2009	A-134	0-24"		1:00p	02236	Dive Team
7/15/2009	A-135	0-6"		1:10p	02236	Dive Team
7/15/2009	A-135	0-24"		1:10p	02236	Dive Team
7/15/2009	A-21	0-6"		1:24p	02236	Dive Team
7/15/2009	A-21	0-24"		1:24p	02236	Dive Team
7/15/2009	A-29	0-6"		12:50p	02236	Dive Team
7/15/2009	A-29	0-24"	Approx. 18" collected.*	12:50p	02236	Dive Team
7/15/2009	A-28	0-6"		2:40p	02236	Dive Team
7/15/2009	A-28	0-24"		2:40p	02236	Dive Team
7/15/2009	A-27	0-6"		2:55p	02236	Dive Team
7/15/2009	A-27	0-24"		2:55p	02236	Dive Team
7/15/2009	A-26	0-6"		3:20p	02236	Dive Team
7/15/2009	A-26	0-24"		3:20p	02236	Dive Team
7/15/2009	A-150	0-6"		3:55p	02237	Dive Team
7/15/2009	A-150	0-24"		3:55p	02237	Dive Team
7/15/2009	A-149	0-6"		4:07p	02237	Dive Team
7/15/2009	A-149	0-24"		4:07p	02237	Dive Team
7/15/2009	A-148	0-6"		4:15p	02237	Dive Team
7/15/2009	A-148	0-24"		4:15p	02237	Dive Team
7/15/2009	A-147	0-6"		4:22p	02237	Dive Team
7/15/2009	A-147	0-24"		4:22p	02237	Dive Team
7/16/2009	A-47	0-6"		3:05p	02238	Dive Team
7/16/2009	A-47	0-24"		3:05p	02238	Dive Team
7/16/2009	A-46	0-6"		3:15p	02238	Dive Team
7/16/2009	A-46	0-24"		3:15p	02238	Dive Team
7/16/2009	A-45	0-6"		3:25p	02238	Dive Team
7/16/2009	A-45	0-24"		3:25p	02238	Dive Team
7/16/2009	A-44	0-6"		3:45p	02238	Dive Team
7/16/2009	A-44	0-24"		3:45p	02238	Dive Team
7/16/2009	A-43	0-6"		4:00p	02238	Dive Team
7/16/2009	A-43	0-24"		4:00p	02238	Dive Team
7/16/2009	A-42	0-6"		4:10p	02238	Dive Team
7/16/2009	A-42	0-24"		4:10p	02238	Dive Team
7/16/2009	A-25	0-6"		4:25p	02238	Dive Team
7/16/2009	A-25	0-24"		4:25p	02238	Dive Team
7/16/2009	A-53	0-6"		9:55a	02240	Dive Team
7/16/2009	A-53	0-24"		9:55a	02240	Dive Team
7/16/2009	A-59	0-6"		10:07a	02240	Dive Team
7/16/2009	A-59	0-24"		10:07a	02240	Dive Team
7/16/2009	A-54	0-6"		10:20a	02240	Dive Team
7/16/2009	A-54	0-24"		10:20a	02240	Dive Team
7/16/2009	A-58	0-6"		10:30a	02240	Dive Team
7/16/2009	A-58	0-24"		10:30a	02240	Dive Team
7/16/2009	A-55	0-6"		10:35a	02240	Dive Team
7/16/2009	A-55	0-24"		10:35a	02240	Dive Team
7/16/2009	A-56	0-6"		11:05a	02240	Dive Team
7/16/2009	A-56	0-6"		11:05a	02240	Dive Team

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TABLE 2 (Cont'd). List of Samples Collected, by Date
June 30 through July 27, 2009

Date Collected	Location	Depth	Remarks	Time Collected	Chain of Custody #	Collected by
7/16/2009	A-56	0-6"		11:05a	02240	Dive Team
7/16/2009	A-56	0-6"		11:05a	02240	Dive Team
7/16/2009	A-56	0-6"		11:05a	02240	Dive Team
7/16/2009	A-56DUP	0-6"		11:05a	02240	Dive Team
7/16/2009	A-56DUP	0-6"		11:05a	02240	Dive Team
7/16/2009	A-56DUP	0-6"		11:05a	02240	Dive Team
7/16/2009	A-56DUP	0-6"		11:05a	02240	Dive Team
7/16/2009	A-56DUP	0-6"		11:05a	02240	Dive Team
7/16/2009	A-56	0-24"		11:05a	02240	Dive Team
7/16/2009	A-56DUP	0-24"		11:05a	02240	Dive Team
7/16/2009	A-57	0-6"		11:50a	02240	Dive Team
7/16/2009	A-57	0-24"		11:50a	02240	Dive Team
7/16/2009	A-52	0-6"		12:00p	02240	Dive Team
7/16/2009	A-52	0-24"		12:00p	02240	Dive Team
7/16/2009	A-51	0-6"		12:20p	02240	Dive Team
7/16/2009	A-51	0-24"		12:20p	02240	Dive Team
7/16/2009	A-50	0-6"		12:40p	02240	Dive Team
7/16/2009	A-50	0-6"		12:40p	02240	Dive Team
7/16/2009	A-50	0-6"		12:40p	02240	Dive Team
7/16/2009	A-50	0-6"		12:40p	02240	Dive Team
7/16/2009	A-50	0-6"		12:40p	02240	Dive Team
7/16/2009	A-50	0-24"		12:40p	02240	Dive Team
7/16/2009	A-49	0-6"		1:00p	02240	Dive Team
7/16/2009	A-49	0-24"		1:00p	02240	Dive Team
7/16/2009	A-48	0-6"		1:15p	02240	Dive Team
7/16/2009	A-48	0-24"		1:15p	02240	Dive Team
7/17/2009	A-80	0-6"		7:30a	01831	Dive Team
7/17/2009	A-80	0-6"		7:30a	01831	Dive Team
7/17/2009	A-80	0-6"		7:30a	01831	Dive Team
7/17/2009	A-80	0-6"		7:30a	01831	Dive Team
7/17/2009	A-80	0-6"		7:30a	01831	Dive Team
7/17/2009	A-80	0-24"		7:30a	01831	Dive Team
7/17/2009	A-79	0-6"		7:45a	01831	Dive Team
7/17/2009	A-79	0-24"		7:45a	01831	Dive Team
7/17/2009	A-78	0-6"		7:50a	01831	Dive Team
7/17/2009	A-78	0-24"		7:50a	01831	Dive Team
7/17/2009	A-77	0-6"		7:58a	01831	Dive Team
7/17/2009	A-77	0-24"		7:58a	01831	Dive Team
7/17/2009	A-76	0-6"		8:05a	01831	Dive Team
7/17/2009	A-76	0-24"		8:05a	01831	Dive Team
7/17/2009	A-75	0-6"		8:15a	01831	Dive Team
7/17/2009	A-75	0-24"		8:15a	01831	Dive Team
7/17/2009	A-74	0-6"		8:20a	01831	Dive Team
7/17/2009	A-74	0-24"		8:20a	01831	Dive Team
7/17/2009	A-73	0-6"		8:30a	01831	Dive Team
7/17/2009	A-73	0-24"		8:30a	01831	Dive Team
7/17/2009	A-72	0-6"		8:35a	01831	Dive Team
7/17/2009	A-72	0-24"		8:35a	01831	Dive Team

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TABLE 2 (Cont'd). List of Samples Collected, by Date
June 30 through July 27, 2009

Date Collected	Location	Depth	Remarks	Time Collected	Chain of Custody #	Collected by
7/17/2009	A-71	0-6"		8:45a	01831	Dive Team
7/17/2009	A-71	0-24"		8:45a	01831	Dive Team
7/17/2009	A-70	0-6"		8:55a	01831	Dive Team
7/17/2009	A-70	0-24"		8:55a	01831	Dive Team
7/17/2009	A-69	0-6"		9:05a	01831	Dive Team
7/17/2009	A-69	0-24"		9:05a	01831	Dive Team
7/17/2009	A-68	0-6"		9:15a	01831	Dive Team
7/17/2009	A-68	0-6"		9:15a	01831	Dive Team
7/17/2009	A-68	0-6"		9:15a	01831	Dive Team
7/17/2009	A-68	0-6"		9:15a	01831	Dive Team
7/17/2009	A-68	0-6"		9:15a	01831	Dive Team
7/17/2009	A-68	0-24"		9:15a	01831	Dive Team
7/17/2009	A-67	0-6"		9:30a	01831	Dive Team
7/17/2009	A-67	0-24"		9:30a	01831	Dive Team
7/17/2009	A-66	0-6"		9:45a	01831	Dive Team
7/17/2009	A-66	0-24"		9:45a	01831	Dive Team
7/17/2009	A-65	0-6"		10:00a	01831	Dive Team
7/17/2009	A-65	0-24"		10:00a	01831	Dive Team
7/17/2009	A-64	0-6"		10:10a	01831	Dive Team
7/17/2009	A-64	0-24"		10:10a	01831	Dive Team
7/17/2009	A-63	0-6"		10:20a	01831	Dive Team
7/17/2009	A-63	0-24"		10:20a	01831	Dive Team
7/17/2009	A-62	0-6"		10:55a	01831	Dive Team
7/17/2009	A-62	0-24"		10:55a	01831	Dive Team
7/17/2009	A-24	0-6"		11:05a	01832	Dive Team
7/17/2009	A-24	0-24"		11:05a	01832	Dive Team
7/17/2009	A-23	0-6"		11:15a	01832	Dive Team
7/17/2009	A-23	0-24"		11:15a	01832	Dive Team
7/17/2009	A-108	0-6"		12:00p	01832	Dive Team
7/17/2009	A-108	0-24"		12:00p	01832	Dive Team
7/17/2009	A-107	0-6"		12:15p	01832	Dive Team
7/17/2009	A-107	0-24"		12:15p	01832	Dive Team
7/17/2009	A-106	0-6"		12:20p	01832	Dive Team
7/17/2009	A-106	0-24"		12:20p	01832	Dive Team
7/17/2009	A-97	0-6"		10:09a	02239	Dive Team
7/17/2009	A-97	0-24"		10:09a	02239	Dive Team
7/17/2009	A-96	0-6"		10:25a	02239	Dive Team
7/17/2009	A-96	0-24"		10:25a	02239	Dive Team
7/17/2009	A-95	0-6"		10:35a	02239	Dive Team
7/17/2009	A-95	0-24"		10:35a	02239	Dive Team
7/17/2009	A-94	0-6"		10:45a	02239	Dive Team
7/17/2009	A-94	0-24"		10:45a	02239	Dive Team
7/17/2009	A-93	0-6"		11:06a	02239	Dive Team
7/17/2009	A-93	0-24"		11:06a	02239	Dive Team
7/17/2009	A-92	0-6"		11:15a	02239	Dive Team
7/17/2009	A-92	0-6"		11:15a	02239	Dive Team
7/17/2009	A-92	0-6"		11:15a	02239	Dive Team
7/17/2009	A-92	0-6"		11:15a	02239	Dive Team

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TABLE 2 (Cont'd). List of Samples Collected, by Date
June 30 through July 27, 2009

Date Collected	Location	Depth	Remarks	Time Collected	Chain of Custody #	Collected by
7/17/2009	A-92	0-6"		11:15a	02239	Dive Team
7/17/2009	A-92	0-24"		11:15a	02239	Dive Team
7/17/2009	A-91	0-6"		11:44a	02239	Dive Team
7/17/2009	A-91	0-24"		11:44a	02239	Dive Team
7/17/2009	A-90	0-6"		11:53a	02239	Dive Team
7/17/2009	A-90	0-24"		11:53a	02239	Dive Team
7/17/2009	A-89	0-6"		12:07p	02239	Dive Team
7/17/2009	A-89	0-24"		12:07p	02239	Dive Team
7/17/2009	A-88	0-6"		12:20p	02239	Dive Team
7/17/2009	A-88	0-24"		12:20p	02239	Dive Team
7/20/2009	A-125	0-6"		1:15p	05798	Dive Team
7/20/2009	A-125	0-24"		1:15p	05798	Dive Team
7/20/2009	A-126	0-6"		1:20p	05798	Dive Team
7/20/2009	A-126	0-24"		1:20p	05798	Dive Team
7/20/2009	A-160	0-6"		1:30p	05798	Dive Team
7/20/2009	A-160	0-24"		1:30p	05798	Dive Team
7/20/2009	A-159	0-6"		1:35p	05798	Dive Team
7/20/2009	A-159	0-24"		1:35p	05798	Dive Team
7/20/2009	A-158	0-6"		1:45p	05798	Dive Team
7/20/2009	A-158	0-24"		1:45p	05798	Dive Team
7/20/2009	A-157	0-6"		1:50p	05798	Dive Team
7/20/2009	A-157	0-24"		1:50p	05798	Dive Team
7/20/2009	A-156	0-6"		2:00p	05798	Dive Team
7/20/2009	A-156	0-24"		2:00p	05798	Dive Team
7/20/2009	A-155	0-6"		2:10p	05798	Dive Team
7/20/2009	A-155	0-24"		2:10p	05798	Dive Team
7/20/2009	A-154	0-6"		2:25p	05798	Dive Team
7/20/2009	A-154	0-24"		2:25p	05798	Dive Team
7/20/2009	A-153	0-6"		3:05p	05798	Dive Team
7/20/2009	A-153	0-24"		3:05p	05798	Dive Team
7/20/2009	A-94	0-6"	24" core taken on 7/17/09	10:35a	05799	Dive Team
7/20/2009	A-87	0-6"		9:30a	05799	Dive Team
7/20/2009	A-87	0-24"		9:30a	05799	Dive Team
7/20/2009	A-86	0-6"		9:40a	05799	Dive Team
7/20/2009	A-86	0-24"		9:40a	05799	Dive Team
7/20/2009	A-85	0-6"		9:45a	05799	Dive Team
7/20/2009	A-85	0-24"		9:45a	05799	Dive Team
7/20/2009	A-84	0-6"		9:55a	05799	Dive Team
7/20/2009	A-84	0-24"		9:55a	05799	Dive Team
7/20/2009	A-83	0-6"		10:05a	05799	Dive Team
7/20/2009	A-83	0-24"		10:05a	05799	Dive Team
7/20/2009	A-82	0-6"		10:15a	05799	Dive Team
7/20/2009	A-82	0-24"		10:15a	05799	Dive Team
7/20/2009	A-81	0-6"		10:25a	05799	Dive Team
7/20/2009	A-81	0-24"		10:25a	05799	Dive Team
7/20/2009	A-104	0-6"		10:45a	05799	Dive Team
7/20/2009	A-104	0-24"		10:45a	05799	Dive Team
7/20/2009	A-103	0-6"		11:00a	05799	Dive Team

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TABLE 2 (Cont'd). List of Samples Collected, by Date
June 30 through July 27, 2009

Date Collected	Location	Depth	Remarks	Time Collected	Chain of Custody #	Collected by
7/20/2009	A-103	0-24"		11:00a	05799	Dive Team
7/20/2009	A-102	0-6"		11:05a	05799	Dive Team
7/20/2009	A-102	0-24"		11:05a	05799	Dive Team
7/20/2009	A-101	0-6"		11:20a	05799	Dive Team
7/20/2009	A-101	0-24"		11:20a	05799	Dive Team
7/20/2009	A-120	0-6"		11:35a	05799	Dive Team
7/20/2009	A-120	0-24"		11:35a	05799	Dive Team
7/20/2009	A-119	0-6"		11:40a	05799	Dive Team
7/20/2009	A-119	0-24"		11:40a	05799	Dive Team
7/20/2009	A-118	0-6"		11:45a	05799	Dive Team
7/20/2009	A-118	0-24"		11:45a	05799	Dive Team
7/20/2009	A-117	0-6"		11:55a	05799	Dive Team
7/20/2009	A-117	0-24"		11:55a	05799	Dive Team
7/20/2009	A-116**	0-6"	See footnote.	12:00p	05799	Dive Team
7/20/2009	A-116	0-6"		12:00p	05799	Dive Team
7/20/2009	A-116	0-6"		12:00p	05799	Dive Team
7/20/2009	A-116	0-6"		12:00p	05799	Dive Team
7/20/2009	A-116	0-6"		12:00p	05799	Dive Team
7/20/2009	A-116	0-24"		12:00p	05799	Dive Team
7/20/2009	A-115	0-6"		12:05p	05799	Dive Team
7/20/2009	A-115	0-24"		12:05p	05799	Dive Team
7/22/2009	A-167	0-6"		9:05a	01833	Dive Team
7/22/2009	A-167	0-24"		9:05a	01833	Dive Team
7/22/2009	A-166	0-6"		9:15a	01833	Dive Team
7/22/2009	A-166	0-24"		9:15a	01833	Dive Team
7/22/2009	A-161	0-6"		9:28a	01833	Dive Team
7/22/2009	A-161	0-24"		9:28a	01833	Dive Team
7/22/2009	A-162	0-6"		9:36a	01833	Dive Team
7/22/2009	A-162	0-24"		9:36a	01833	Dive Team
7/22/2009	A-163	0-6"		9:44a	01833	Dive Team
7/22/2009	A-163	0-24"		9:44a	01833	Dive Team
7/22/2009	A-152	0-6"		10:06a	01833	Dive Team
7/22/2009	A-152	0-24"		10:06a	01833	Dive Team
7/22/2009	A-151	0-6"		10:22a	01833	Dive Team
7/22/2009	A-151	0-24"		10:22a	01833	Dive Team
7/22/2009	A-108	0-6"	Also sampled 7/17/09	9:27a	02286	Dive Team
7/22/2009	A-108	0-36"	Also sampled 7/17/09	9:27a	02286	Dive Team
7/22/2009	A-41	0-6"		9:50a	02286	Dive Team
7/22/2009	A-41	0-6"		9:50a	02286	Dive Team
7/22/2009	A-41	0-6"		9:50a	02286	Dive Team
7/22/2009	A-41	0-6"		9:50a	02286	Dive Team
7/22/2009	A-41	0-6"		9:50a	02286	Dive Team
7/22/2009	A-41	0-36"		9:50a	02286	Dive Team
7/22/2009	A-61	0-6"		10:08a	02286	Dive Team
7/22/2009	A-61	0-6"		10:08a	02286	Dive Team
7/22/2009	A-61	0-6"		10:08a	02286	Dive Team
7/22/2009	A-61	0-6"		10:08a	02286	Dive Team
7/22/2009	A-61	0-6"		10:08a	02286	Dive Team

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TABLE 2 (Cont'd). List of Samples Collected, by Date
June 30 through July 27, 2009

Date Collected	Location	Depth	Remarks	Time Collected	Chain of Custody #	Collected by
7/22/2009	A-61	0-36"		10:08a	02286	Dive Team
7/22/2009	A-164	0-6"		10:40a	02286	Dive Team
7/22/2009	A-164	0-36"		10:40a	02286	Dive Team
7/22/2009	C-7	0-6"		11:42a	02287	Dive Team
7/22/2009	C-7	0-36"		11:42a	02287	Dive Team
7/22/2009	C-7 DUP	0-6"		11:54a	02287	Dive Team
7/22/2009	C-7 DUP	0-36"		11:54a	02287	Dive Team
7/22/2009	C-41	0-6"		12:04p	02287	Dive Team
7/22/2009	C-41	0-36"		12:04p	02287	Dive Team
7/22/2009	C-63	0-6"		12:13p	02287	Dive Team
7/22/2009	C-63	0-36"		12:13p	02287	Dive Team
7/22/2009	C-64	0-6"		12:24p	02287	Dive Team
7/22/2009	C-64	0-36"		12:24p	02287	Dive Team
7/22/2009	C-73	0-6"		12:34p	02287	Dive Team
7/22/2009	C-73	0-36"		12:34p	02287	Dive Team
7/22/2009	C-74	0-6"		12:41p	02287	Dive Team
7/22/2009	C-74	0-36"		12:41p	02287	Dive Team
7/22/2009	C-75	0-6"		12:46p	02287	Dive Team
7/22/2009	C-75	0-36"		12:46p	02287	Dive Team
7/22/2009	C-81	0-6"		1:06p	02287	Dive Team
7/22/2009	C-81	0-36"		1:06p	02287	Dive Team
7/22/2009	C-82	0-6"		1:16p	02287	Dive Team
7/22/2009	C-82	0-36"		1:16p	02287	Dive Team
7/22/2009	C-88	0-6"		1:23p	02287	Dive Team
7/22/2009	C-88	0-36"		1:23p	02287	Dive Team
7/22/2009	C-89	0-6"		1:29p	02287	Dive Team
7/22/2009	C-89	0-36"		1:29p	02287	Dive Team
7/22/2009	C-92	0-6"		1:13p	02291	Dive Team
7/22/2009	C-92	0-24"		1:13p	02291	Dive Team
7/22/2009	C-100	0-6"		1:04p	02291	Dive Team
7/22/2009	C-100	0-24"		1:04p	02291	Dive Team
7/22/2009	C-101	0-6"		12:52p	02291	Dive Team
7/22/2009	C-101	0-24"		12:52p	02291	Dive Team
7/22/2009	C-102	0-6"		12:42p	02291	Dive Team
7/22/2009	C-102	0-24"		12:42p	02291	Dive Team
7/22/2009	C-103	0-6"		12:32p	02291	Dive Team
7/22/2009	C-103	0-24"		12:32p	02291	Dive Team
7/22/2009	C-105	0-6"		12:22p	02291	Dive Team
7/22/2009	C-105	0-24"		12:22p	02291	Dive Team
7/22/2009	C-107	0-6"		11:54a	02291	Dive Team
7/22/2009	C-107	0-24"		11:54a	02291	Dive Team
7/22/2009	C-108	0-6"		12:03p	02291	Dive Team
7/22/2009	C-108	0-24"		12:03p	02291	Dive Team
7/22/2009	C-109	0-6"		12:10p	02291	Dive Team
7/22/2009	C-109	0-24"		12:10p	02291	Dive Team
7/22/2009	B-17	0-6"		2:47p	02293	Dive Team
7/22/2009	B-17	0-24"		2:47p	02293	Dive Team
7/22/2009	B-18	0-6"		2:52p	02293	Dive Team

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TABLE 2 (Cont'd). List of Samples Collected, by Date
June 30 through July 27, 2009

Date Collected	Location	Depth	Remarks	Time Collected	Chain of Custody #	Collected by
7/22/2009	B-18	0-24"		2:52p	02293	Dive Team
7/22/2009	B-19	0-6"		2:57p	02293	Dive Team
7/22/2009	B-19	0-24"		2:57p	02293	Dive Team
7/22/2009	B-20	0-6"		3:02p	02293	Dive Team
7/22/2009	B-20	0-24"		3:02p	02293	Dive Team
7/22/2009	B-11	0-6"		2:45p	02293	Dive Team
7/22/2009	B-11	0-24"		2:45p	02293	Dive Team
7/22/2009	B-12	0-6"		3:00p	02293	Dive Team
7/22/2009	B-12	0-24"		3:00p	02293	Dive Team
7/22/2009	B-13	0-6"		3:10p	02293	Dive Team
7/22/2009	B-13	0-24"		3:10p	02293	Dive Team
7/22/2009	B-14	0-6"		3:25p	02293	Dive Team
7/22/2009	B-14	0-24"		3:25p	02293	Dive Team
7/22/2009	C-95	0-6"		1:50p	02293	Dive Team
7/22/2009	C-95	0-24"		1:50p	02293	Dive Team
7/22/2009	C-96	0-6"		2:00p	02293	Dive Team
7/22/2009	C-96	0-24"		2:00p	02293	Dive Team
7/22/2009	C-97	0-6"		2:05p	02293	Dive Team
7/22/2009	C-97	0-24"		2:05p	02293	Dive Team
7/22/2009	C-98	0-6"		2:10p	02293	Dive Team
7/22/2009	C-98	0-24"		2:10p	02293	Dive Team
7/23/2009	B-2	0-6"		9:39a	07701	Dive Team
7/23/2009	B-2	0-24"		9:39a	07701	Dive Team
7/23/2009	B-4	0-6"		9:55a	07701	Dive Team
7/23/2009	B-4	0-6"		9:55a	07701	Dive Team
7/23/2009	B-4	0-6"		9:55a	07701	Dive Team
7/23/2009	B-4	0-6"		9:55a	07701	Dive Team
7/23/2009	B-4	0-6"		9:55a	07701	Dive Team
7/23/2009	B-4	0-24"		9:55a	07701	Dive Team
7/23/2009	B-5	0-6"		10:10a	07701	Dive Team
7/23/2009	B-5	0-24"		10:10a	07701	Dive Team
7/23/2009	B-7	0-6"		10:19a	07701	Dive Team
7/23/2009	B-7	0-24"		10:19a	07701	Dive Team
7/23/2009	B-9	0-6"		10:32a	07701	Dive Team
7/23/2009	B-9	0-24"		10:32a	07701	Dive Team
7/23/2009	B-14	0-6"	0-24" sample collected on 7/22.	10:45a	07701	Dive Team
7/23/2009	B-14	0-6"		10:45a	07701	Dive Team
7/23/2009	B-14	0-6"		10:45a	07701	Dive Team
7/23/2009	B-14	0-6"		10:45a	07701	Dive Team
7/23/2009	B-11	0-6"	0-24" sample collected on 7/22.	11:00a	07701	Dive Team
7/23/2009	B-11	0-6"		11:00a	07701	Dive Team
7/23/2009	B-11	0-6"		11:00a	07701	Dive Team
7/23/2009	B-11	0-6"		11:00a	07701	Dive Team
7/23/2009	B-23	0-6"		9:50a	07701	Dive Team
7/23/2009	B-23	0-24"		9:50a	07701	Dive Team
7/23/2009	B-24	0-6"		10:00a	07701	Dive Team

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TABLE 2 (Cont'd). List of Samples Collected, by Date
June 30 through July 27, 2009

Date Collected	Location	Depth	Remarks	Time Collected	Chain of Custody #	Collected by
7/23/2009	B-24	0-24"		10:00a	07701	Dive Team
7/23/2009	B-25	0-6"		10:10a	07701	Dive Team
7/23/2009	B-25	0-24"		10:10a	07701	Dive Team
7/23/2009	B-29	0-6"		10:29a	07701	Dive Team
7/23/2009	B-29	0-24"		10:29a	07701	Dive Team
7/23/2009	B-30	0-6"		10:30a	07701	Dive Team
7/23/2009	B-30	0-24"		10:30a	07701	Dive Team
7/23/2009	B-31	0-6"		10:50a	07701	Dive Team
7/23/2009	B-31	0-6"		10:50a	07701	Dive Team
7/23/2009	B-31	0-6"		10:50a	07701	Dive Team
7/23/2009	B-31	0-6"		10:50a	07701	Dive Team
7/23/2009	B-31	0-6"		10:50a	07701	Dive Team
7/23/2009	B-31	0-24"		10:50a	07701	Dive Team
7/27/2009	C-104	0-24"		10:00a	02295	Dive Team
7/27/2009	C-104	0-6"		10:00a	02295	Dive Team
7/27/2009	C-104	0-6"		10:00a	02295	Dive Team
7/27/2009	C-104	0-6"		10:00a	02295	Dive Team
7/27/2009	C-104	0-6"		10:00a	02295	Dive Team
7/27/2009	C-104	0-6"		10:00a	02295	Dive Team
7/27/2009	C-94	0-24"		10:15a	02295	Dive Team
7/27/2009	C-94	0-6"		10:15a	02295	Dive Team
7/27/2009	C-94	0-6"		10:15a	02295	Dive Team
7/27/2009	C-94	0-6"		10:15a	02295	Dive Team
7/27/2009	C-94	0-6"		10:15a	02295	Dive Team
7/27/2009	C-94	0-6"		10:15a	02295	Dive Team
7/27/2009	C-51	0-24"		11:00a	02295	Dive Team
7/27/2009	C-51	0-6"		11:00a	02295	Dive Team
7/27/2009	C-29	0-24"	Refusal at 20"; a lot of gravel.	10:45a	02295	Dive Team
7/27/2009	C-29	0-6"		10:45a	02295	Dive Team
7/27/2009	B-38	0-24"		11:15a	02295	Dive Team
7/27/2009	B-38	0-6"		11:15a	02295	Dive Team
7/27/2009	B-39	0-24"		11:30a	02295	Dive Team
7/27/2009	B-39	0-6"		11:30a	02295	Dive Team
7/27/2009	B-40	0-24"		11:55a	02295	Dive Team
7/27/2009	B-40	0-6"		11:55a	02295	Dive Team
7/27/2009	B-42	0-24"		12:05p	02295	Dive Team
7/27/2009	B-42	0-6"		12:05p	02295	Dive Team
7/27/2009	B-8	0-6"	On 7/23 dive team noted B-8 "on rock pier (no sample)"	9:54a	02296	Dive Team
7/27/2009	B-8	0-24"		9:54a	02296	Dive Team
7/27/2009	B-64	0-6"		10:21a	02296	Dive Team
7/27/2009	B-64	0-24"		10:21a	02296	Dive Team
7/27/2009	B-63	0-6"		10:36a	02296	Dive Team
7/27/2009	B-63	0-24"		10:36a	02296	Dive Team
7/27/2009	B-62	0-6"		10:46a	02296	Dive Team
7/27/2009	B-62	0-24"		10:46a	02296	Dive Team
7/27/2009	B-61	0-6"		10:59a	02296	Dive Team

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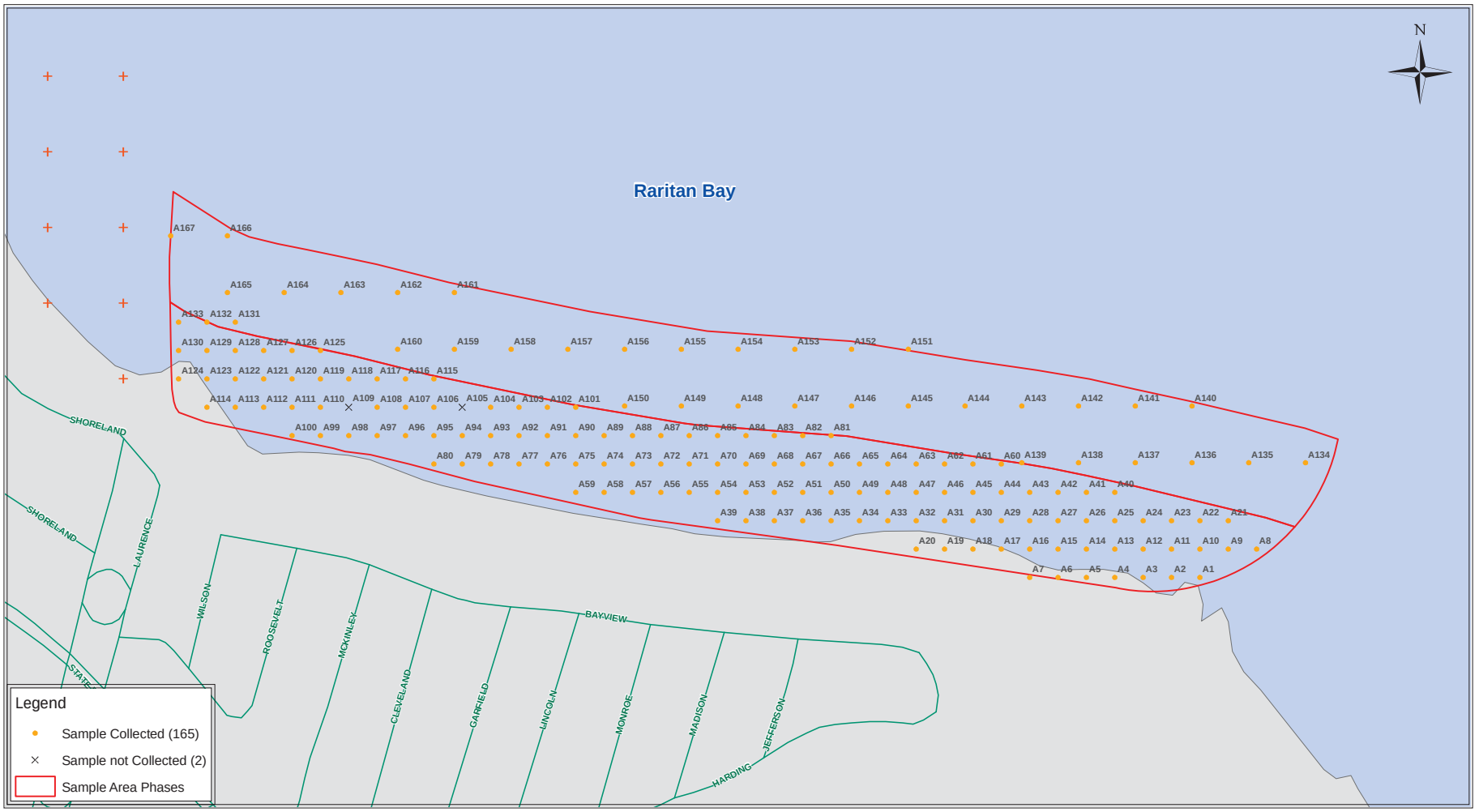
TABLE 2 (Cont'd). List of Samples Collected, by Date
June 30 through July 27, 2009

Date Collected	Location	Depth	Remarks	Time Collected	Chain of Custody #	Collected by
7/27/2009	B-61	0-24"		10:59a	02296	Dive Team
7/27/2009	B-60	0-6"		11:10a	02296	Dive Team
7/27/2009	B-60	0-24"		11:10a	02296	Dive Team
7/27/2009	B-59	0-6"		11:22a	02296	Dive Team
7/27/2009	B-59	0-24"		11:22a	02296	Dive Team
7/27/2009	B-54	0-6"		11:30a	02296	Dive Team
7/27/2009	B-54	0-24"		11:30a	02296	Dive Team
7/27/2009	B-53	0-6"		11:45a	02296	Dive Team
7/27/2009	B-53	0-24"		11:45a	02296	Dive Team
7/27/2009	B-58	0-6"		11:52a	02296	Dive Team
7/27/2009	B-58	0-24"		11:52a	02296	Dive Team
7/27/2009	B-52	0-6"		12:00p	02296	Dive Team
7/27/2009	B-52	0-24"		12:00p	02296	Dive Team
7/27/2009	B-51	0-6"		12:09p	02296	Dive Team
7/27/2009	B-51	0-24"		12:09p	02296	Dive Team
7/27/2009	B-49	0-6"		12:20p	02296	Dive Team
7/27/2009	B-49	0-24"		12:20p	02296	Dive Team
7/27/2009	B-33	0-24"		11:45a	07723	Dive Team
7/27/2009	B-33	0-6"		11:45a	07723	Dive Team
7/27/2009	B-43	0-24"		12:20p	07723	Dive Team
7/27/2009	B-43	0-6"		12:20p	07723	Dive Team
7/27/2009	B-50	0-24"		12:35p	07723	Dive Team
7/27/2009	B-50	0-6"		12:35p	07723	Dive Team

Note: Data compiled from chains of custody and field logbooks.
*Samples with less than the full targeted depth reflect refusal.
**Discrepancy on chain of custody #05799: indicates five total cores were collected, but lists five 0-6" cores and one 24" core; total number of samples received for location A-116 could not be confirmed with ERT or EPA Region II.
NR = not recorded

R2-0002276



Map created using New Jersey 2007 color orthophotography, sample location data from statistics result.

Map Creation Date: 3 Aug 2009

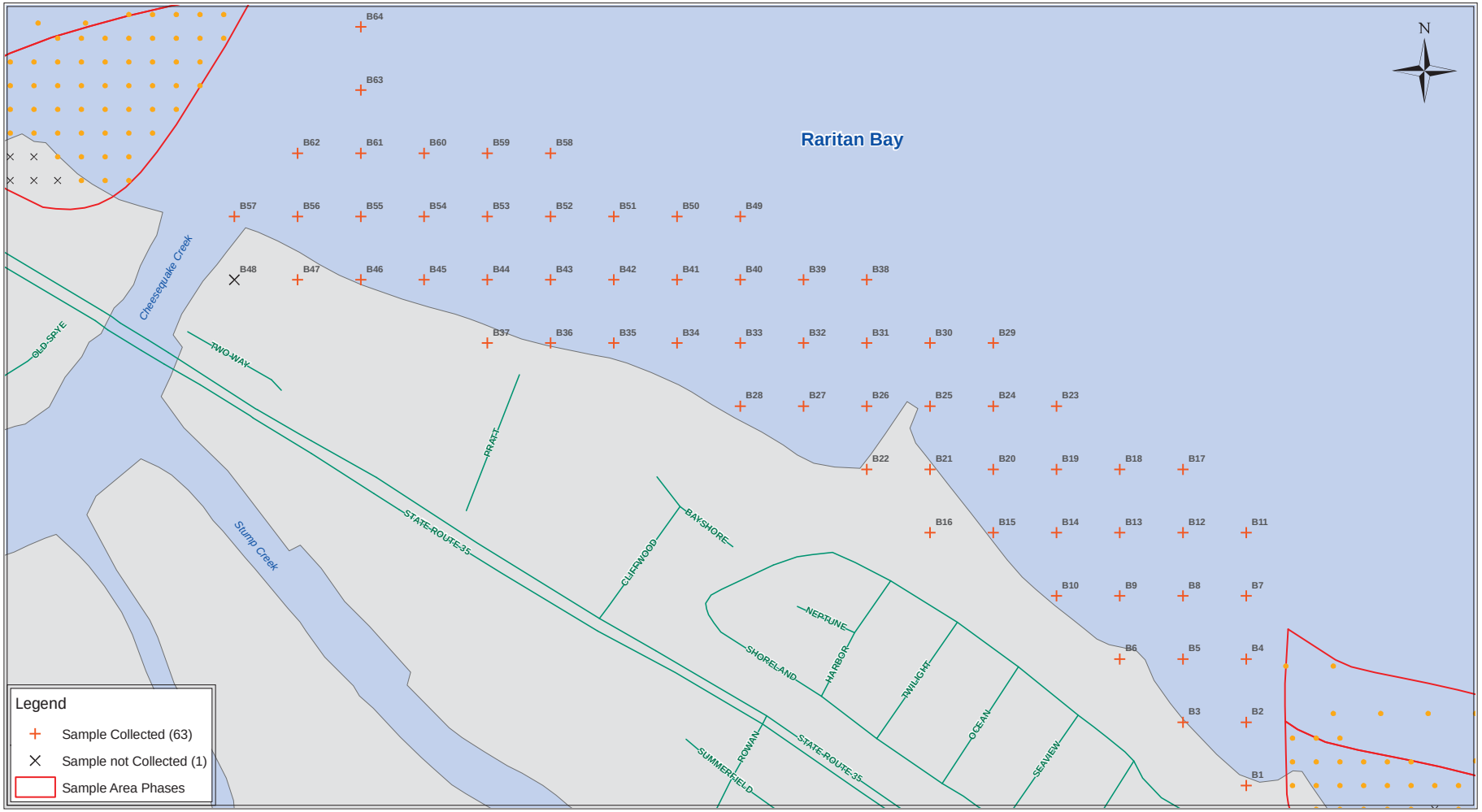
Coordinate system: New Jersey State Plane
FIPS: 2900.
Datum : NAD83.
Units : Feet.

Data: g:\arcviewprojects\reac4\00-356
MXD file: g:\arcinfoprojects\reac4\EAC00356_LaurebceHarbor\DTR\356_SampleCollected_AreaA_f1rev002.mxd
Revision Number: 002

U.S EPA Environmental Response Team
Response Engineering and Analytical Contract
EP-C-04-032
W.A.# 0-356

Figure 1
Samples Collected in Area A
Raritan Bay Slag Site
Old Bridge Township, New Jersey
June - July, 2009

R2-0002277



Map created using New Jersey 2007 color orthophotography, sample location data from statistics result.

Map Creation Date: 3 Aug 2009

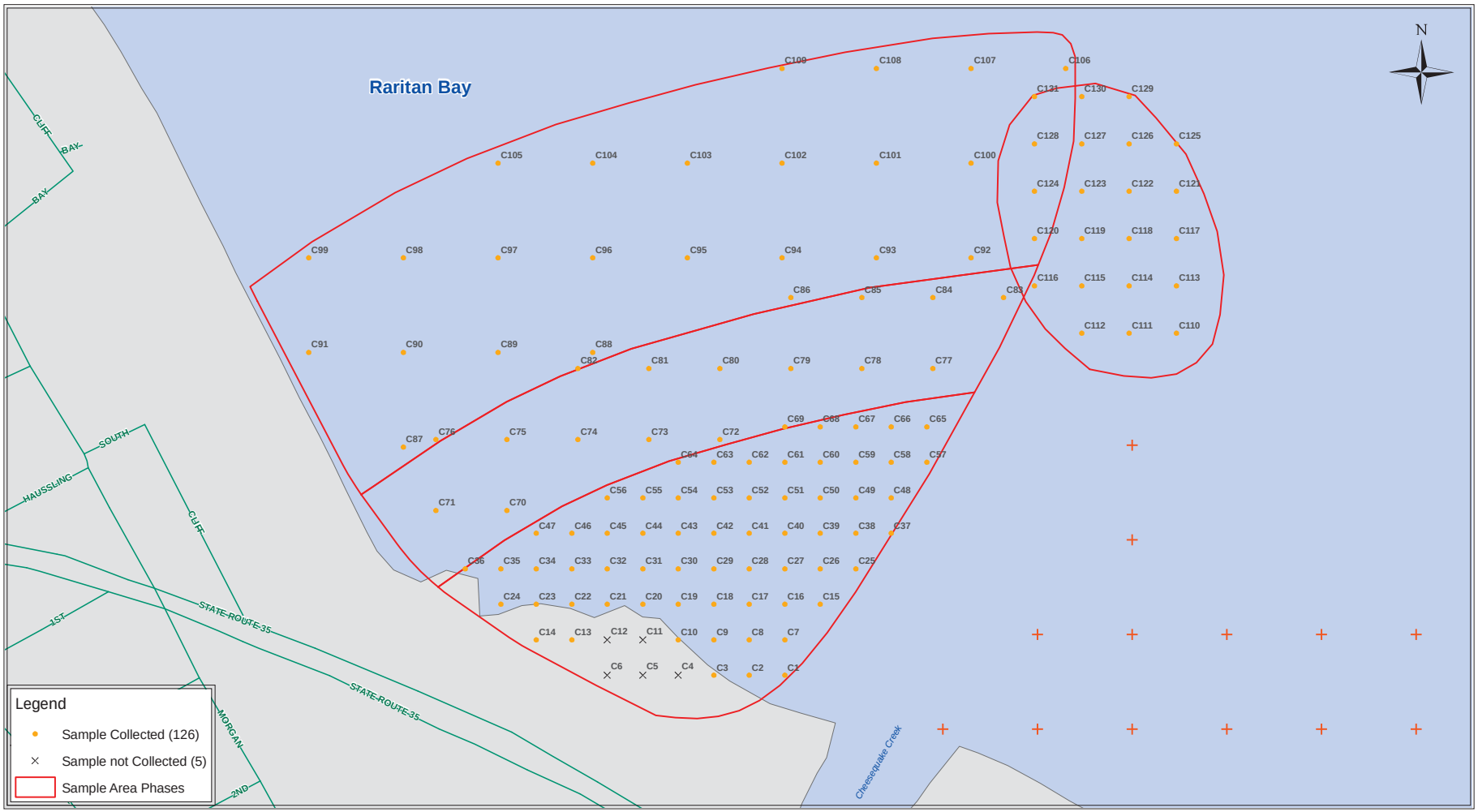
Coordinate system: New Jersey State Plane
FIPS: 2900.
Datum : NAD83.
Units : Feet.

Data: g:\arcviewprojects\reac4\00-356
MXD file: g:\arcinfoprojects\reac4\EAC00356_LaurebceHarbor\DTR\356_SampleCollected_AreaB_f1rev002.mxd
Revision Number: 002

U.S EPA Environmental Response Team
Response Engineering and Analytical Contract
EP-C-04-032
W.A.# 0-356

Figure 2
Samples Collected in Area B
Raritan Bay Slag Site
Old Bridge Township, New Jersey
June - July, 2009

R2-0002278



Map created using New Jersey 2007 color orthophotography, sample location data from statistics result.

Map Creation Date: 3 Aug 2009

Coordinate system: New Jersey State Plane
FIPS: 2900.
Datum : NAD83.
Units : Feet.

Data: g:\arcviewprojects\reac4\00-356
MXD file: g:\arcinfoprojects\reac4\EAC00356_LaurebceHarbor\DTR\356_SampleCollected_AreaC_f3rev002.mxd
Revision Number: 002

U.S EPA Environmental Response Team
Response Engineering and Analytical Contract
EP-C-04-032
W.A.# 0-356

Figure 3
Samples Collected in Area C
Raritan Bay Slag Site
Old Bridge Township, New Jersey
June - July, 2009

R2-0002279

ATTACHMENT 1
Sampled Locations and Global Positioning System Coordinates

R2-0002280

TABLE 1. Sampled Locations and Global Positioning System Coordinates

Sampling Location	Northing	Easting	Latitude	Longitude
A1	591639.7420	565576.5953	40° 27' 26.643" N	74° 14' 9.707" W
A2	591639.7420	565501.5953	40° 27' 26.646" N	74° 14' 10.677" W
A3	591639.7420	565426.5953	40° 27' 26.648" N	74° 14' 11.648" W
A4	591639.7420	565351.5953	40° 27' 26.650" N	74° 14' 12.618" W
A5	591639.7420	565276.5953	40° 27' 26.652" N	74° 14' 13.588" W
A6	591639.7420	565201.5953	40° 27' 26.655" N	74° 14' 14.559" W
A7	591639.7420	565126.5953	40° 27' 26.657" N	74° 14' 15.529" W
A8	591714.7420	565726.5953	40° 27' 27.380" N	74° 14' 7.763" W
A9	591714.7420	565651.5953	40° 27' 27.382" N	74° 14' 8.734" W
A10	591714.7420	565576.5953	40° 27' 27.385" N	74° 14' 9.704" W
A11	591714.7420	565501.5953	40° 27' 27.387" N	74° 14' 10.674" W
A12	591714.7420	565426.5953	40° 27' 27.389" N	74° 14' 11.645" W
A13	591714.7420	565351.5953	40° 27' 27.391" N	74° 14' 12.615" W
A14	591714.7420	565276.5953	40° 27' 27.393" N	74° 14' 13.585" W
A15	591714.7420	565201.5953	40° 27' 27.396" N	74° 14' 14.556" W
A16	591714.7420	565126.5953	40° 27' 27.398" N	74° 14' 15.526" W
A17	591714.7420	565051.5953	40° 27' 27.400" N	74° 14' 16.496" W
A18	591714.7420	564976.5953	40° 27' 27.402" N	74° 14' 17.467" W
A19	591714.7420	564901.5953	40° 27' 27.405" N	74° 14' 18.437" W
A20	591714.7420	564826.5953	40° 27' 27.407" N	74° 14' 19.407" W
A21	591789.7420	565651.5953	40° 27' 28.124" N	74° 14' 8.731" W
A22	591789.7420	565576.5953	40° 27' 28.126" N	74° 14' 9.701" W
A23	591789.7420	565501.5953	40° 27' 28.128" N	74° 14' 10.672" W
A24	591789.7420	565426.5953	40° 27' 28.130" N	74° 14' 11.642" W
A25	591789.7420	565351.5953	40° 27' 28.132" N	74° 14' 12.612" W
A26	591789.7420	565276.5953	40° 27' 28.135" N	74° 14' 13.582" W
A27	591789.7420	565201.5953	40° 27' 28.137" N	74° 14' 14.553" W
A28	591789.7420	565126.5953	40° 27' 28.139" N	74° 14' 15.523" W
A29	591789.7420	565051.5953	40° 27' 28.141" N	74° 14' 16.493" W
A30	591789.7420	564976.5953	40° 27' 28.143" N	74° 14' 17.464" W
A31	591789.7420	564901.5953	40° 27' 28.146" N	74° 14' 18.434" W
A32	591789.7420	564826.5953	40° 27' 28.148" N	74° 14' 19.404" W
A33	591789.7420	564751.5953	40° 27' 28.150" N	74° 14' 20.375" W
A34	591789.7420	564676.5953	40° 27' 28.152" N	74° 14' 21.345" W
A35	591789.7420	564601.5953	40° 27' 28.154" N	74° 14' 22.315" W
A36	591789.7420	564526.5953	40° 27' 28.157" N	74° 14' 23.286" W
A37	591789.7420	564451.5953	40° 27' 28.159" N	74° 14' 24.256" W
A38	591789.7420	564376.5953	40° 27' 28.161" N	74° 14' 25.226" W
A39	591789.7420	564301.5953	40° 27' 28.163" N	74° 14' 26.197" W
A40	591864.7420	565351.5953	40° 27' 28.874" N	74° 14' 12.609" W
A41	591864.7420	565276.5953	40° 27' 28.876" N	74° 14' 13.580" W
A42	591864.7420	565201.5953	40° 27' 28.878" N	74° 14' 14.550" W

TABLE 1 (Cont'd.). Sampled Locations and Global Positioning System Coordinates

Sampling Location	Northing	Easting	Latitude	Longitude
A43	591864.7420	565126.5953	40° 27' 28.880" N	74° 14' 15.520" W
A44	591864.7420	565051.5953	40° 27' 28.882" N	74° 14' 16.491" W
A45	591864.7420	564976.5953	40° 27' 28.885" N	74° 14' 17.461" W
A46	591864.7420	564901.5953	40° 27' 28.887" N	74° 14' 18.431" W
A47	591864.7420	564826.5953	40° 27' 28.889" N	74° 14' 19.402" W
A48	591864.7420	564751.5953	40° 27' 28.891" N	74° 14' 20.372" W
A49	591864.7420	564676.5953	40° 27' 28.893" N	74° 14' 21.342" W
A50	591864.7420	564601.5953	40° 27' 28.896" N	74° 14' 22.313" W
A51	591864.7420	564526.5953	40° 27' 28.898" N	74° 14' 23.283" W
A52	591864.7420	564451.5953	40° 27' 28.900" N	74° 14' 24.253" W
A53	591864.7420	564376.5953	40° 27' 28.902" N	74° 14' 25.224" W
A54	591864.7420	564301.5953	40° 27' 28.904" N	74° 14' 26.194" W
A55	591864.7420	564226.5953	40° 27' 28.907" N	74° 14' 27.164" W
A56	591864.7420	564151.5953	40° 27' 28.909" N	74° 14' 28.134" W
A57	591864.7420	564076.5953	40° 27' 28.911" N	74° 14' 29.105" W
A58	591864.7420	564001.5953	40° 27' 28.913" N	74° 14' 30.075" W
A59	591864.7420	563926.5953	40° 27' 28.915" N	74° 14' 31.045" W
A60	591939.7420	565051.5953	40° 27' 29.624" N	74° 14' 16.488" W
A61	591939.7420	564976.5953	40° 27' 29.626" N	74° 14' 17.458" W
A62	591939.7420	564901.5953	40° 27' 29.628" N	74° 14' 18.428" W
A63	591939.7420	564826.5953	40° 27' 29.630" N	74° 14' 19.399" W
A64	591939.7420	564751.5953	40° 27' 29.632" N	74° 14' 20.369" W
A65	591939.7420	564676.5953	40° 27' 29.635" N	74° 14' 21.339" W
A66	591939.7420	564601.5953	40° 27' 29.637" N	74° 14' 22.310" W
A67	591939.7420	564526.5953	40° 27' 29.639" N	74° 14' 23.280" W
A68	591939.7420	564451.5953	40° 27' 29.641" N	74° 14' 24.250" W
A69	591939.7420	564376.5953	40° 27' 29.643" N	74° 14' 25.221" W
A70	591939.7420	564301.5953	40° 27' 29.646" N	74° 14' 26.191" W
A71	591939.7420	564226.5953	40° 27' 29.648" N	74° 14' 27.161" W
A72	591939.7420	564151.5953	40° 27' 29.650" N	74° 14' 28.132" W
A73	591939.7420	564076.5953	40° 27' 29.652" N	74° 14' 29.102" W
A74	591939.7420	564001.5953	40° 27' 29.654" N	74° 14' 30.072" W
A75	591939.7420	563926.5953	40° 27' 29.656" N	74° 14' 31.043" W
A76	591939.7420	563851.5953	40° 27' 29.659" N	74° 14' 32.013" W
A77	591939.7420	563776.5953	40° 27' 29.661" N	74° 14' 32.983" W
A78	591939.7420	563701.5953	40° 27' 29.663" N	74° 14' 33.954" W
A79	591939.7420	563626.5953	40° 27' 29.665" N	74° 14' 34.924" W
A80	591939.7420	563551.5953	40° 27' 29.665" N	74° 14' 35.894" W
A81	592014.7420	564601.5953	40° 27' 30.378" N	74° 14' 22.307" W
A82	592014.7420	564526.5953	40° 27' 30.380" N	74° 14' 23.277" W
A83	592014.7420	564451.5953	40° 27' 30.382" N	74° 14' 24.247" W
A84	592014.7420	564376.5953	40° 27' 30.385" N	74° 14' 25.218" W
A85	592014.7420	564301.5953	40° 27' 30.387" N	74° 14' 26.188" W

TABLE 1 (Cont'd.). Sampled Locations and Global Positioning System Coordinates

Sampling Location	Northing	Easting	Latitude	Longitude
A86	592014.7420	564226.5953	40° 27' 30.389" N	74° 14' 27.158" W
A87	592014.7420	564151.5953	40° 27' 30.391" N	74° 14' 28.129" W
A88	592014.7420	564076.5953	40° 27' 30.393" N	74° 14' 29.099" W
A89	592014.7420	564001.5953	40° 27' 30.395" N	74° 14' 30.069" W
A90	592014.7420	563926.5953	40° 27' 30.398" N	74° 14' 31.040" W
A91	592014.7420	563851.5953	40° 27' 30.400" N	74° 14' 32.010" W
A92	592014.7420	563776.5953	40° 27' 30.402" N	74° 14' 32.980" W
A93	592014.7420	563701.5953	40° 27' 30.404" N	74° 14' 33.951" W
A94	592014.7420	563626.5953	40° 27' 30.406" N	74° 14' 34.921" W
A95	592014.7420	563551.5953	40° 27' 30.408" N	74° 14' 35.891" W
A96	592014.7420	563476.5953	40° 27' 30.411" N	74° 14' 36.862" W
A97	592014.7420	563401.5953	40° 27' 30.413" N	74° 14' 37.832" W
A98	592014.7420	563326.5953	40° 27' 30.415" N	74° 14' 38.802" W
A99	592014.7420	563251.5953	40° 27' 30.417" N	74° 14' 39.773" W
A100	592014.7420	563176.5953	40° 27' 30.419" N	74° 14' 40.743" W
A101	592089.7420	563926.5953	40° 27' 31.139" N	74° 14' 31.037" W
A102	592089.7420	563851.5953	40° 27' 31.141" N	74° 14' 32.007" W
A103	592089.7420	563776.5953	40° 27' 31.143" N	74° 14' 32.978" W
A104	592089.7420	563701.5953	40° 27' 31.145" N	74° 14' 33.948" W
A106	592089.7420	563551.5953	40° 27' 31.150" N	74° 14' 35.889" W
A107	592089.7420	563476.5953	40° 27' 31.152" N	74° 14' 36.859" W
A108	592089.7420	563401.5953	40° 27' 31.154" N	74° 14' 37.829" W
A110	592089.7420	563251.5953	40° 27' 31.158" N	74° 14' 39.770" W
A111	592089.7420	563176.5953	40° 27' 31.160" N	74° 14' 40.740" W
A112	592089.7420	563101.5953	40° 27' 31.162" N	74° 14' 41.711" W
A113	592089.7420	563026.5953	40° 27' 31.165" N	74° 14' 42.681" W
A114	592089.7420	562951.5953	40° 27' 31.167" N	74° 14' 43.651" W
A115	592164.7420	563551.5953	40° 27' 31.891" N	74° 14' 35.886" W
A116	592164.7420	563476.5953	40° 27' 31.893" N	74° 14' 36.856" W
A117	592164.7420	563401.5953	40° 27' 31.895" N	74° 14' 37.826" W
A118	592164.7420	563326.5953	40° 27' 31.897" N	74° 14' 38.797" W
A119	592164.7420	563251.5953	40° 27' 31.899" N	74° 14' 39.767" W
A120	592164.7420	563176.5953	40° 27' 31.902" N	74° 14' 40.737" W
A121	592164.7420	563101.5953	40° 27' 31.904" N	74° 14' 41.708" W
A122	592164.7420	563026.5953	40° 27' 31.906" N	74° 14' 42.678" W
A131	592314.7420	563026.5953	40° 27' 33.388" N	74° 14' 42.673" W
A123	592164.7420	562951.5953	40° 27' 31.908" N	74° 14' 43.649" W
A132	592314.7420	562951.5953	40° 27' 33.390" N	74° 14' 43.643" W
A124	592164.7420	562876.5953	40° 27' 31.910" N	74° 14' 44.619" W
A133	592314.7420	562876.5953	40° 27' 33.392" N	74° 14' 44.613" W
A125	592239.7420	563251.5953	40° 27' 32.641" N	74° 14' 39.764" W
A126	592239.7420	563176.5953	40° 27' 32.643" N	74° 14' 40.735" W
A127	592239.7420	563101.5953	40° 27' 32.645" N	74° 14' 41.705" W

TABLE 1 (Cont'd.). Sampled Locations and Global Positioning System Coordinates

Sampling Location	Northing	Easting	Latitude	Longitude
A128	592239.7420	563026.5953	40° 27' 32.647" N	74° 14' 42.675" W
A129	592239.7420	562951.5953	40° 27' 32.649" N	74° 14' 43.646" W
A130	592239.7420	562876.5953	40° 27' 32.651" N	74° 14' 44.616" W
A134	591942.8265	565855.6796	40° 27' 29.630" N	74° 14' 6.085" W
A135	591942.8265	565705.6796	40° 27' 29.635" N	74° 14' 8.025" W
A136	591942.8265	565555.6796	40° 27' 29.639" N	74° 14' 9.966" W
A137	591942.8265	565405.6796	40° 27' 29.644" N	74° 14' 11.907" W
A138	591942.8265	565255.6796	40° 27' 29.648" N	74° 14' 13.847" W
A139	591942.8265	565105.6796	40° 27' 29.653" N	74° 14' 15.788" W
A140	592092.8265	565555.6796	40° 27' 31.122" N	74° 14' 9.960" W
A141	592092.8265	565405.6796	40° 27' 31.126" N	74° 14' 11.901" W
A142	592092.8265	565255.6796	40° 27' 31.131" N	74° 14' 13.841" W
A143	592092.8265	565105.6796	40° 27' 31.135" N	74° 14' 15.782" W
A144	592092.8265	564955.6796	40° 27' 31.139" N	74° 14' 17.723" W
A145	592092.8265	564805.6796	40° 27' 31.144" N	74° 14' 19.663" W
A146	592092.8265	564655.6796	40° 27' 31.148" N	74° 14' 21.604" W
A147	592092.8265	564505.6796	40° 27' 31.152" N	74° 14' 23.545" W
A148	592092.8265	564355.6796	40° 27' 31.157" N	74° 14' 25.485" W
A149	592092.8265	564205.6796	40° 27' 31.161" N	74° 14' 27.426" W
A150	592092.8265	564055.6796	40° 27' 31.166" N	74° 14' 29.367" W
A151	592242.8265	564805.6796	40° 27' 32.626" N	74° 14' 19.658" W
A152	592242.8265	564655.6796	40° 27' 32.630" N	74° 14' 21.598" W
A153	592242.8265	564505.6796	40° 27' 32.635" N	74° 14' 23.539" W
A154	592242.8265	564355.6796	40° 27' 32.639" N	74° 14' 25.480" W
A155	592242.8265	564205.6796	40° 27' 32.644" N	74° 14' 27.420" W
A156	592242.8265	564055.6796	40° 27' 32.648" N	74° 14' 29.361" W
A157	592242.8265	563905.6796	40° 27' 32.652" N	74° 14' 31.302" W
A158	592242.8265	563755.6796	40° 27' 32.657" N	74° 14' 33.242" W
A159	592242.8265	563605.6796	40° 27' 32.661" N	74° 14' 35.183" W
A160	592242.8265	563455.6796	40° 27' 32.665" N	74° 14' 37.124" W
A161	592392.8265	563605.6796	40° 27' 34.143" N	74° 14' 35.177" W
A162	592392.8265	563455.6796	40° 27' 34.148" N	74° 14' 37.118" W
A163	592392.8265	563305.6796	40° 27' 34.152" N	74° 14' 39.059" W
A164	592392.8265	563155.6796	40° 27' 34.156" N	74° 14' 41.000" W
A165	592392.8265	563005.6796	40° 27' 34.160" N	74° 14' 42.940" W
A166	592542.8265	563005.6796	40° 27' 35.643" N	74° 14' 42.935" W
A167	592542.8265	562855.6796	40° 27' 35.647" N	74° 14' 44.875" W
B1	592164.8343	562730.6238	40° 27' 31.915" N	74° 14' 46.507" W
B2	592364.8343	562730.6238	40° 27' 33.892" N	74° 14' 46.500" W
B3	592364.8343	562530.6238	40° 27' 33.897" N	74° 14' 49.088" W
B4	592564.8343	562730.6238	40° 27' 35.868" N	74° 14' 46.493" W
B5	592564.8343	562530.6238	40° 27' 35.874" N	74° 14' 49.080" W
B6	592564.8343	562330.6238	40° 27' 35.879" N	74° 14' 51.668" W

TABLE 1 (Cont'd.). Sampled Locations and Global Positioning System Coordinates

Sampling Location	Northing	Easting	Latitude	Longitude
B7	592764.8343	562730.6238	40° 27' 37.845" N	74° 14' 46.485" W
B8	592764.8343	562530.6238	40° 27' 37.850" N	74° 14' 49.073" W
B9	592764.8343	562330.6238	40° 27' 37.856" N	74° 14' 51.660" W
B10	592764.8343	562130.6238	40° 27' 37.862" N	74° 14' 54.248" W
B11	592964.8343	562730.6238	40° 27' 39.821" N	74° 14' 46.478" W
B12	592964.8343	562530.6238	40° 27' 39.827" N	74° 14' 49.065" W
B13	592964.8343	562330.6238	40° 27' 39.832" N	74° 14' 51.653" W
B14	592964.8343	562130.6238	40° 27' 39.838" N	74° 14' 54.241" W
B15	592964.8343	561930.6238	40° 27' 39.844" N	74° 14' 56.828" W
B16	592964.8343	561730.6238	40° 27' 39.849" N	74° 14' 59.416" W
B17	593164.8343	562530.6238	40° 27' 41.803" N	74° 14' 49.058" W
B18	593164.8343	562330.6238	40° 27' 41.809" N	74° 14' 51.646" W
B19	593164.8343	562130.6238	40° 27' 41.815" N	74° 14' 54.233" W
B20	593164.8343	561930.6238	40° 27' 41.820" N	74° 14' 56.821" W
B21	593164.8343	561730.6238	40° 27' 41.826" N	74° 14' 59.409" W
B22	593164.8343	561530.6238	40° 27' 41.831" N	74° 15' 1.996" W
B23	593364.8343	562130.6238	40° 27' 43.791" N	74° 14' 54.226" W
B24	593364.8343	561930.6238	40° 27' 43.797" N	74° 14' 56.814" W
B25	593364.8343	561730.6238	40° 27' 43.802" N	74° 14' 59.401" W
B26	593364.8343	561530.6238	40° 27' 43.808" N	74° 15' 1.989" W
B27	593364.8343	561330.6238	40° 27' 43.813" N	74° 15' 4.577" W
B28	593364.8343	561130.6238	40° 27' 43.819" N	74° 15' 7.164" W
B29	593564.8343	561930.6238	40° 27' 45.773" N	74° 14' 56.806" W
B30	593564.8343	561730.6238	40° 27' 45.779" N	74° 14' 59.394" W
B31	593564.8343	561530.6238	40° 27' 45.784" N	74° 15' 1.982" W
B32	593564.8343	561330.6238	40° 27' 45.790" N	74° 15' 4.569" W
B33	593564.8343	561130.6238	40° 27' 45.795" N	74° 15' 7.157" W
B34	593564.8343	560930.6238	40° 27' 45.801" N	74° 15' 9.745" W
B35	593564.8343	560730.6238	40° 27' 45.807" N	74° 15' 12.333" W
B36	593564.8343	560530.6238	40° 27' 45.812" N	74° 15' 14.920" W
B37	593564.8343	560330.6238	40° 27' 45.818" N	74° 15' 17.508" W
B38	593764.8343	561530.6238	40° 27' 47.761" N	74° 15' 1.974" W
B39	593764.8343	561330.6238	40° 27' 47.766" N	74° 15' 4.562" W
B40	593764.8343	561130.6238	40° 27' 47.772" N	74° 15' 7.150" W
B41	593764.8343	560930.6238	40° 27' 47.778" N	74° 15' 9.738" W
B42	593764.8343	560730.6238	40° 27' 47.783" N	74° 15' 12.325" W
B43	593764.8343	560530.6238	40° 27' 47.789" N	74° 15' 14.913" W
B44	593764.8343	560330.6238	40° 27' 47.794" N	74° 15' 17.501" W
B45	593764.8343	560130.6238	40° 27' 47.800" N	74° 15' 20.088" W
B46	593764.8343	559930.6238	40° 27' 47.805" N	74° 15' 22.676" W
B47	593764.8343	559730.6238	40° 27' 47.810" N	74° 15' 25.264" W
B49	593964.8343	561130.6238	40° 27' 49.748" N	74° 15' 7.143" W
B50	593964.8343	560930.6238	40° 27' 49.754" N	74° 15' 9.730" W

TABLE 1 (Cont'd.). Sampled Locations and Global Positioning System Coordinates

Sampling Location	Northing	Easting	Latitude	Longitude
B51	593964.8343	560730.6238	40° 27' 49.760" N	74° 15' 12.318" W
B52	593964.8343	560530.6238	40° 27' 49.765" N	74° 15' 14.906" W
B53	593964.8343	560330.6238	40° 27' 49.771" N	74° 15' 17.494" W
B54	593964.8343	560130.6238	40° 27' 49.776" N	74° 15' 20.081" W
B55	593964.8343	559930.6238	40° 27' 49.781" N	74° 15' 22.669" W
B56	593964.8343	559730.6238	40° 27' 49.787" N	74° 15' 25.257" W
B57	593964.8343	559530.6238	40° 27' 49.792" N	74° 15' 27.845" W
B58	594164.8343	560530.6238	40° 27' 51.742" N	74° 15' 14.899" W
B59	594164.8343	560330.6238	40° 27' 51.747" N	74° 15' 17.486" W
B60	594164.8343	560130.6238	40° 27' 51.752" N	74° 15' 20.074" W
B61	594164.8343	559930.6238	40° 27' 51.758" N	74° 15' 22.662" W
B62	594164.8343	559730.6238	40° 27' 51.763" N	74° 15' 25.250" W
B63	594364.8343	559930.6238	40° 27' 53.734" N	74° 15' 22.655" W
B64	594564.8343	559930.6238	40° 27' 55.711" N	74° 15' 22.648" W
C1	594078.8393	559196.5418	40° 27' 50.928" N	74° 15' 32.163" W
C2	594078.8393	559121.5418	40° 27' 50.930" N	74° 15' 33.134" W
C3	594078.8393	559046.5418	40° 27' 50.932" N	74° 15' 34.104" W
C7	594153.8393	559196.5418	40° 27' 51.669" N	74° 15' 32.161" W
C8	594153.8393	559121.5418	40° 27' 51.671" N	74° 15' 33.131" W
C9	594153.8393	559046.5418	40° 27' 51.673" N	74° 15' 34.101" W
C10	594153.8393	558971.5418	40° 27' 51.675" N	74° 15' 35.072" W
C13	594153.8393	558746.5418	40° 27' 51.681" N	74° 15' 37.983" W
C14	594153.8393	558671.5418	40° 27' 51.683" N	74° 15' 38.953" W
C15	594228.8393	559271.5418	40° 27' 52.408" N	74° 15' 31.187" W
C16	594228.8393	559196.5418	40° 27' 52.410" N	74° 15' 32.158" W
C17	594228.8393	559121.5418	40° 27' 52.412" N	74° 15' 33.128" W
C18	594228.8393	559046.5418	40° 27' 52.414" N	74° 15' 34.099" W
C19	594228.8393	558971.5418	40° 27' 52.416" N	74° 15' 35.069" W
C20	594228.8393	558896.5418	40° 27' 52.418" N	74° 15' 36.040" W
C21	594228.8393	558821.5418	40° 27' 52.420" N	74° 15' 37.010" W
C22	594228.8393	558746.5418	40° 27' 52.423" N	74° 15' 37.980" W
C23	594228.8393	558671.5418	40° 27' 52.425" N	74° 15' 38.951" W
C24	594228.8393	558596.5418	40° 27' 52.427" N	74° 15' 39.921" W
C25	594303.8393	559346.5418	40° 27' 53.148" N	74° 15' 30.214" W
C26	594303.8393	559271.5418	40° 27' 53.150" N	74° 15' 31.185" W
C27	594303.8393	559196.5418	40° 27' 53.152" N	74° 15' 32.155" W
C28	594303.8393	559121.5418	40° 27' 53.154" N	74° 15' 33.126" W
C29	594303.8393	559046.5418	40° 27' 53.156" N	74° 15' 34.096" W
C30	594303.8393	558971.5418	40° 27' 53.158" N	74° 15' 35.067" W
C31	594303.8393	558896.5418	40° 27' 53.160" N	74° 15' 36.037" W
C32	594303.8393	558821.5418	40° 27' 53.162" N	74° 15' 37.007" W
C33	594303.8393	558746.5418	40° 27' 53.164" N	74° 15' 37.978" W
C34	594303.8393	558671.5418	40° 27' 53.166" N	74° 15' 38.948" W

TABLE 1 (Cont'd.). Sampled Locations and Global Positioning System Coordinates

Sampling Location	Northing	Easting	Latitude	Longitude
C35	594303.8393	558596.5418	40° 27' 53.168" N	74° 15' 39.919" W
C36	594303.8393	558521.5418	40° 27' 53.170" N	74° 15' 40.889" W
C37	594378.8393	559421.5418	40° 27' 53.887" N	74° 15' 29.241" W
C38	594378.8393	559346.5418	40° 27' 53.889" N	74° 15' 30.212" W
C39	594378.8393	559271.5418	40° 27' 53.891" N	74° 15' 31.182" W
C40	594378.8393	559196.5418	40° 27' 53.893" N	74° 15' 32.153" W
C41	594378.8393	559121.5418	40° 27' 53.895" N	74° 15' 33.123" W
C42	594378.8393	559046.5418	40° 27' 53.897" N	74° 15' 34.093" W
C43	594378.8393	558971.5418	40° 27' 53.899" N	74° 15' 35.064" W
C44	594378.8393	558896.5418	40° 27' 53.901" N	74° 15' 36.034" W
C45	594378.8393	558821.5418	40° 27' 53.903" N	74° 15' 37.005" W
C46	594378.8393	558746.5418	40° 27' 53.905" N	74° 15' 37.975" W
C47	594378.8393	558671.5418	40° 27' 53.907" N	74° 15' 38.946" W
C48	594453.8393	559421.5418	40° 27' 54.628" N	74° 15' 29.239" W
C49	594453.8393	559346.5418	40° 27' 54.630" N	74° 15' 30.209" W
C50	594453.8393	559271.5418	40° 27' 54.632" N	74° 15' 31.180" W
C51	594453.8393	559196.5418	40° 27' 54.634" N	74° 15' 32.150" W
C52	594453.8393	559121.5418	40° 27' 54.636" N	74° 15' 33.120" W
C53	594453.8393	559046.5418	40° 27' 54.638" N	74° 15' 34.091" W
C54	594453.8393	558971.5418	40° 27' 54.640" N	74° 15' 35.061" W
C55	594453.8393	558896.5418	40° 27' 54.642" N	74° 15' 36.032" W
C56	594453.8393	558821.5418	40° 27' 54.644" N	74° 15' 37.002" W
C57	594528.8393	559496.5418	40° 27' 55.367" N	74° 15' 28.266" W
C58	594528.8393	559421.5418	40° 27' 55.369" N	74° 15' 29.236" W
C59	594528.8393	559346.5418	40° 27' 55.371" N	74° 15' 30.206" W
C60	594528.8393	559271.5418	40° 27' 55.373" N	74° 15' 31.177" W
C61	594528.8393	559196.5418	40° 27' 55.375" N	74° 15' 32.147" W
C62	594528.8393	559121.5418	40° 27' 55.377" N	74° 15' 33.118" W
C63	594528.8393	559046.5418	40° 27' 55.379" N	74° 15' 34.088" W
C64	594528.8393	558971.5418	40° 27' 55.381" N	74° 15' 35.059" W
C65	594603.8393	559496.5418	40° 27' 56.108" N	74° 15' 28.263" W
C66	594603.8393	559421.5418	40° 27' 56.110" N	74° 15' 29.233" W
C67	594603.8393	559346.5418	40° 27' 56.112" N	74° 15' 30.204" W
C68	594603.8393	559271.5418	40° 27' 56.114" N	74° 15' 31.174" W
C69	594603.8393	559196.5418	40° 27' 56.116" N	74° 15' 32.145" W
C70	594427.1916	558609.1502	40° 27' 54.386" N	74° 15' 39.751" W
C71	594427.1916	558459.1502	40° 27' 54.390" N	74° 15' 41.692" W
C72	594577.1916	559059.1502	40° 27' 55.857" N	74° 15' 33.923" W
C73	594577.1916	558909.1502	40° 27' 55.861" N	74° 15' 35.864" W
C74	594577.1916	558759.1502	40° 27' 55.865" N	74° 15' 37.805" W
C75	594577.1916	558609.1502	40° 27' 55.869" N	74° 15' 39.746" W
C76	594577.1916	558459.1502	40° 27' 55.873" N	74° 15' 41.687" W
C77	594727.1916	559509.1502	40° 27' 57.327" N	74° 15' 28.095" W

TABLE 1 (Cont'd.). Sampled Locations and Global Positioning System Coordinates

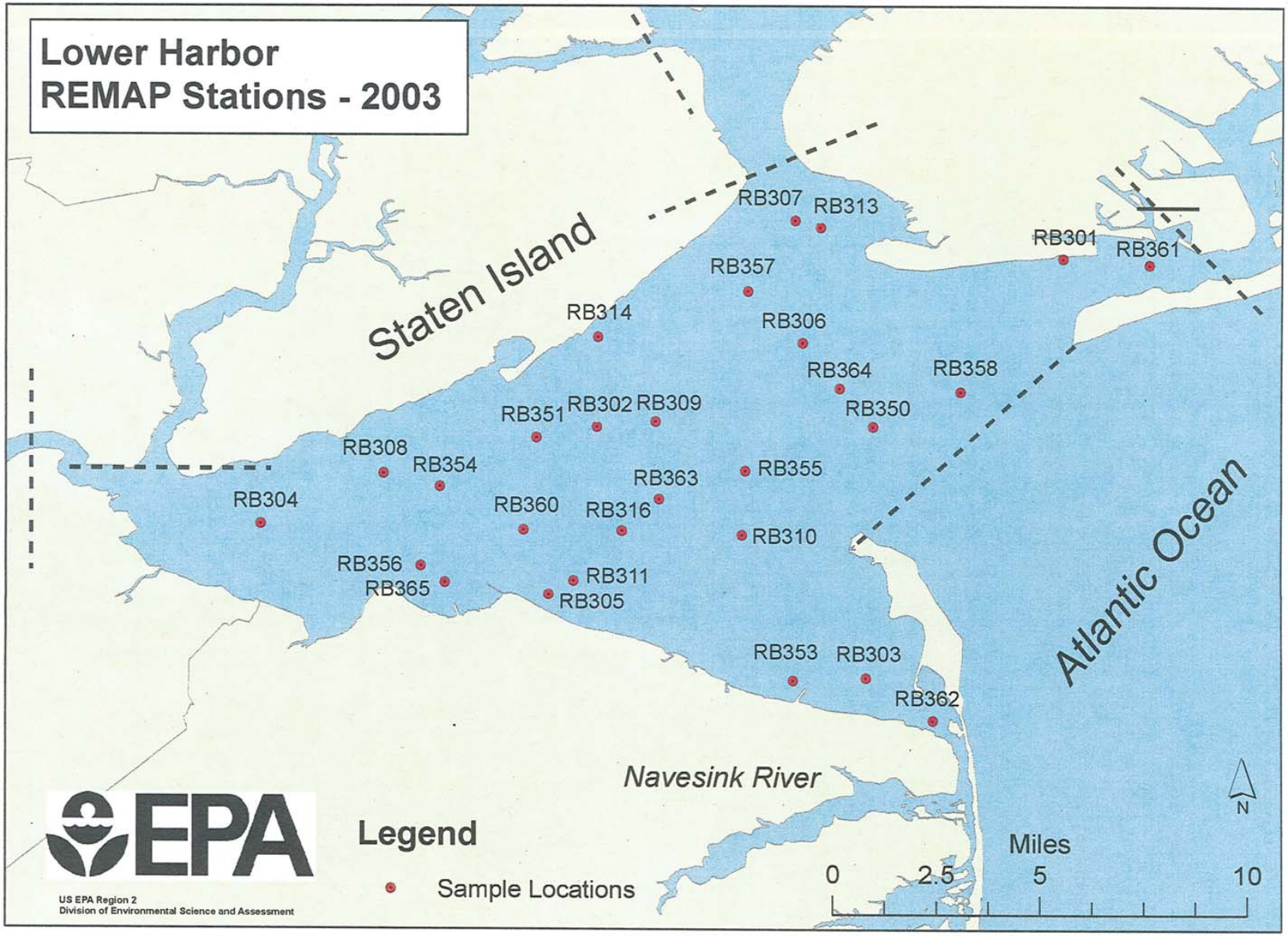
Sampling Location	Northing	Easting	Latitude	Longitude
C78	594727.1916	559359.1502	40° 27' 57.331" N	74° 15' 30.036" W
C79	594727.1916	559209.1502	40° 27' 57.335" N	74° 15' 31.977" W
C80	594727.1916	559059.1502	40° 27' 57.339" N	74° 15' 33.918" W
C81	594727.1916	558909.1502	40° 27' 57.343" N	74° 15' 35.859" W
C82	594727.1916	558759.1502	40° 27' 57.347" N	74° 15' 37.800" W
C83	594877.1916	559659.1502	40° 27' 58.805" N	74° 15' 26.149" W
C84	594877.1916	559509.1502	40° 27' 58.809" N	74° 15' 28.090" W
C85	594877.1916	559359.1502	40° 27' 58.813" N	74° 15' 30.031" W
C86	594877.1916	559209.1502	40° 27' 58.817" N	74° 15' 31.972" W
C87	594561.1830	558390.4606	40° 27' 55.716" N	74° 15' 42.576" W
C88	594761.1830	558790.4606	40° 27' 57.682" N	74° 15' 37.393" W
C89	594761.1830	558590.4606	40° 27' 57.688" N	74° 15' 39.981" W
C90	594761.1830	558390.4606	40° 27' 57.693" N	74° 15' 42.569" W
C91	594761.1830	558190.4606	40° 27' 57.698" N	74° 15' 45.157" W
C92	594961.1830	559590.4606	40° 27' 59.637" N	74° 15' 27.035" W
C93	594961.1830	559390.4606	40° 27' 59.643" N	74° 15' 29.623" W
C94	594961.1830	559190.4606	40° 27' 59.648" N	74° 15' 32.211" W
C95	594961.1830	558990.4606	40° 27' 59.653" N	74° 15' 34.799" W
C96	594961.1830	558790.4606	40° 27' 59.659" N	74° 15' 37.386" W
C97	594961.1830	558590.4606	40° 27' 59.664" N	74° 15' 39.974" W
C98	594961.1830	558390.4606	40° 27' 59.669" N	74° 15' 42.562" W
C99	594961.1830	558190.4606	40° 27' 59.675" N	74° 15' 45.150" W
C100	595161.1830	559590.4606	40° 28' 1.614" N	74° 15' 27.028" W
C101	595161.1830	559390.4606	40° 28' 1.619" N	74° 15' 29.616" W
C102	595161.1830	559190.4606	40° 28' 1.624" N	74° 15' 32.204" W
C103	595161.1830	558990.4606	40° 28' 1.630" N	74° 15' 34.792" W
C104	595161.1830	558790.4606	40° 28' 1.635" N	74° 15' 37.379" W
C105	595161.1830	558590.4606	40° 28' 1.641" N	74° 15' 39.967" W
C106	595361.1830	559790.4606	40° 28' 3.585" N	74° 15' 24.433" W
C107	595361.1830	559590.4606	40° 28' 3.590" N	74° 15' 27.021" W
C108	595361.1830	559390.4606	40° 28' 3.595" N	74° 15' 29.609" W
C109	595361.1830	559190.4606	40° 28' 3.601" N	74° 15' 32.197" W
C110	594801.6518	560024.1169	40° 27' 58.049" N	74° 15' 21.429" W
C111	594801.6518	559924.1169	40° 27' 58.051" N	74° 15' 22.723" W
C112	594801.6518	559824.1169	40° 27' 58.054" N	74° 15' 24.017" W
C113	594901.6518	560024.1169	40° 27' 59.037" N	74° 15' 21.426" W
C114	594901.6518	559924.1169	40° 27' 59.040" N	74° 15' 22.720" W
C115	594901.6518	559824.1169	40° 27' 59.042" N	74° 15' 24.014" W
C116	594901.6518	559724.1169	40° 27' 59.045" N	74° 15' 25.308" W
C117	595001.6518	560024.1169	40° 28' 0.025" N	74° 15' 21.422" W
C118	595001.6518	559924.1169	40° 28' 0.028" N	74° 15' 22.716" W
C119	595001.6518	559824.1169	40° 28' 0.031" N	74° 15' 24.010" W
C120	595001.6518	559724.1169	40° 28' 0.033" N	74° 15' 25.304" W

TABLE 1 (Cont'd.). Sampled Locations and Global Positioning System Coordinates

Sampling Location	Northing	Easting	Latitude	Longitude
C121	595101.6518	560024.1169	40° 28' 1.013" N	74° 15' 21.419" W
C122	595101.6518	559924.1169	40° 28' 1.016" N	74° 15' 22.713" W
C123	595101.6518	559824.1169	40° 28' 1.019" N	74° 15' 24.007" W
C124	595101.6518	559724.1169	40° 28' 1.022" N	74° 15' 25.301" W
C125	595201.6518	560024.1169	40° 28' 2.002" N	74° 15' 21.415" W
C126	595201.6518	559924.1169	40° 28' 2.004" N	74° 15' 22.709" W
C127	595201.6518	559824.1169	40° 28' 2.007" N	74° 15' 24.003" W
C128	595201.6518	559724.1169	40° 28' 2.010" N	74° 15' 25.297" W
C129	595301.6518	559924.1169	40° 28' 2.993" N	74° 15' 22.706" W
C130	595301.6518	559824.1169	40° 28' 2.995" N	74° 15' 23.999" W
C131	595301.6518	559724.1169	40° 28' 2.998" N	74° 15' 25.293" W

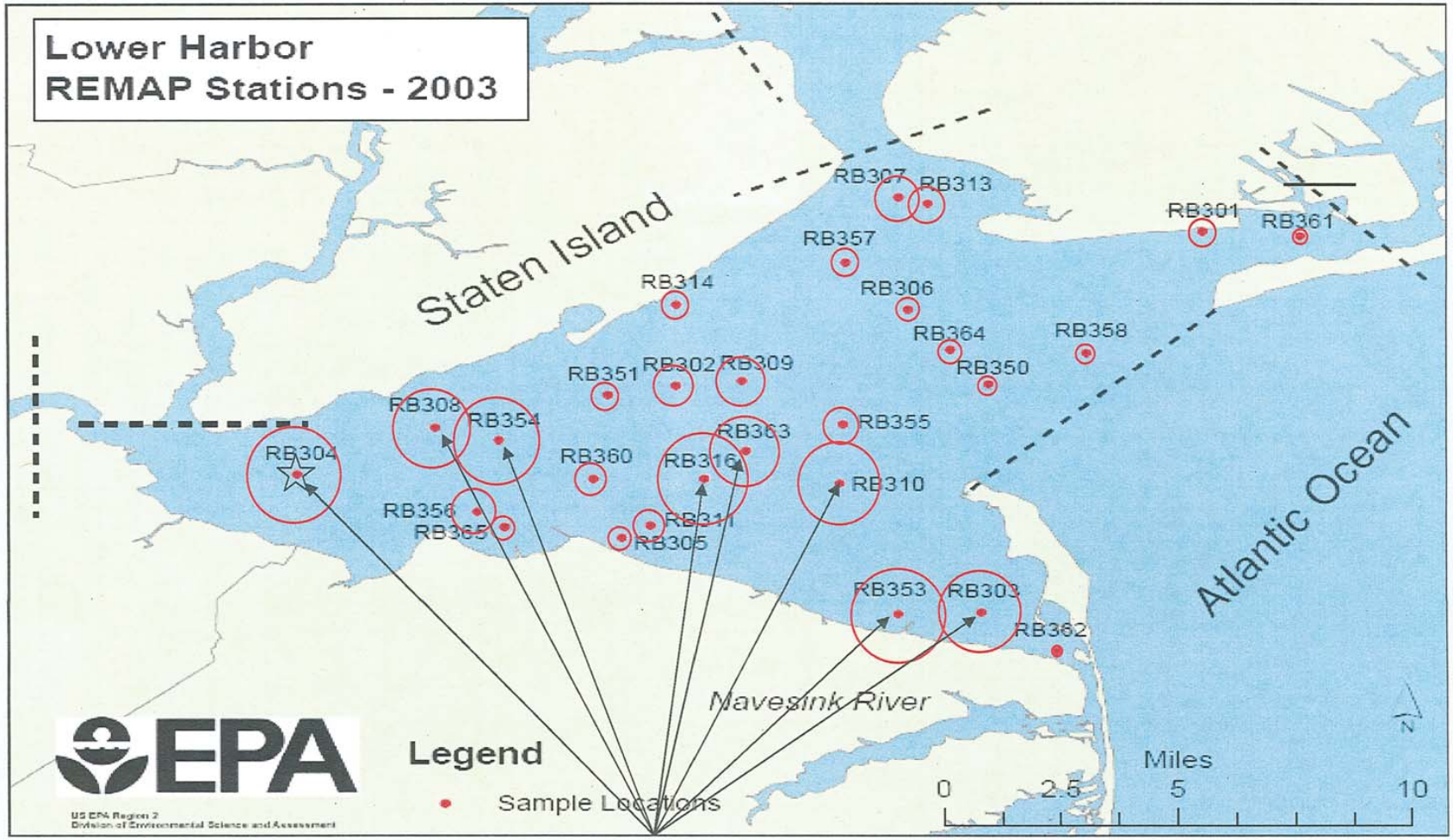
Appendix K

EPA 2003 Sampling Results (REMAP)


Lower Harbor
REMAP Stations - 2003
Staten Island
Atlantic Ocean
Navesink River
RB307
RB313
RB301
RB361
RB357
RB314
RB306
RB364
RB358
RB350
RB351
RB302
RB309
RB308
RB354
RB363
RB355
RB304
RB360
RB316
RB310
RB356
RB365
RB311
RB305
RB353
RB303
RB362
EPA
US EPA Region 2
Division of Environmental Science and Assessment
Legend
Sample Locations
N
Miles
0
2.5
5
10

R2-0002291

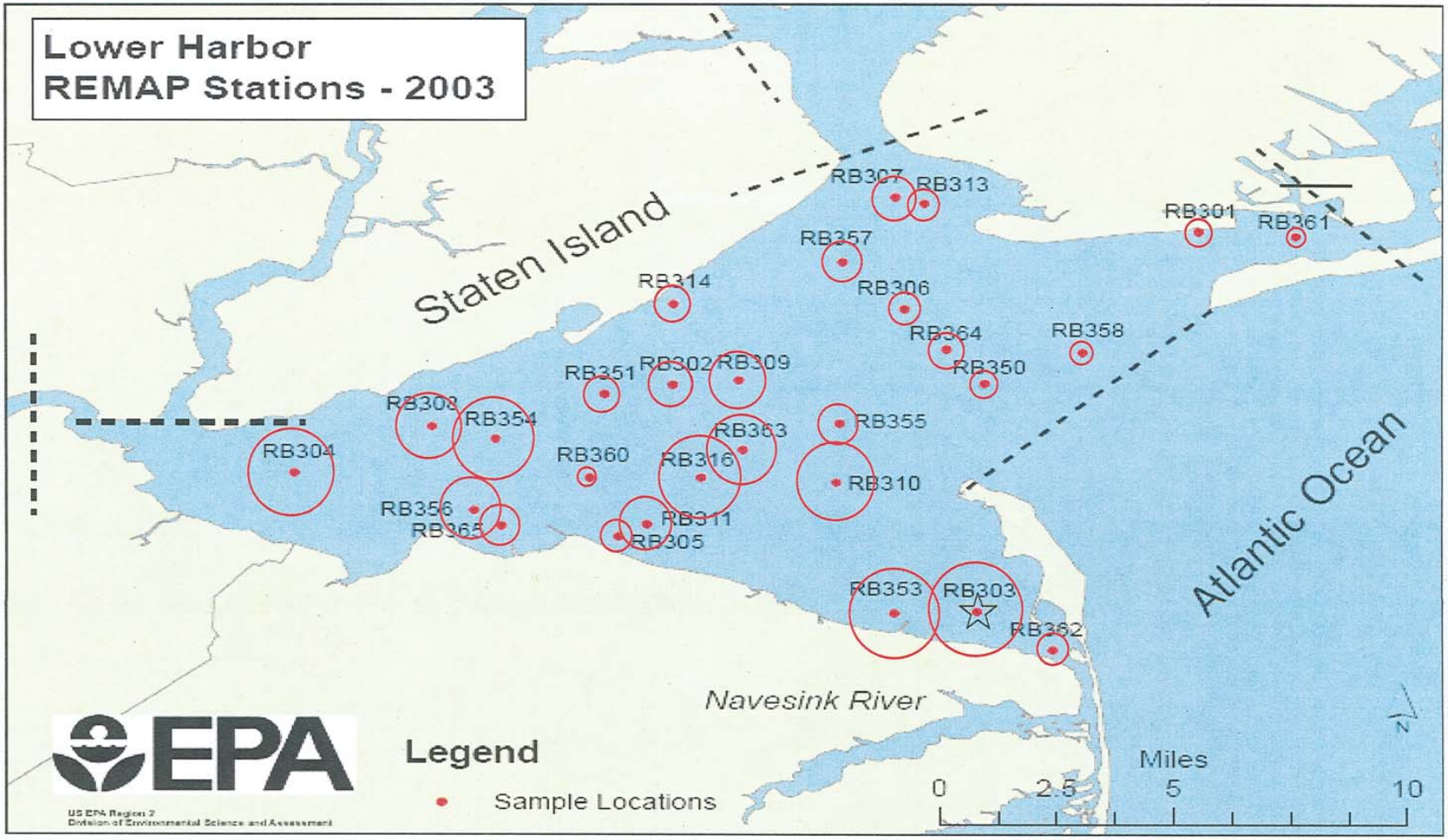
Relative Lead Levels in Raritan Bay



Lead shows high concentrations at these 8 sites, typical of most metals.

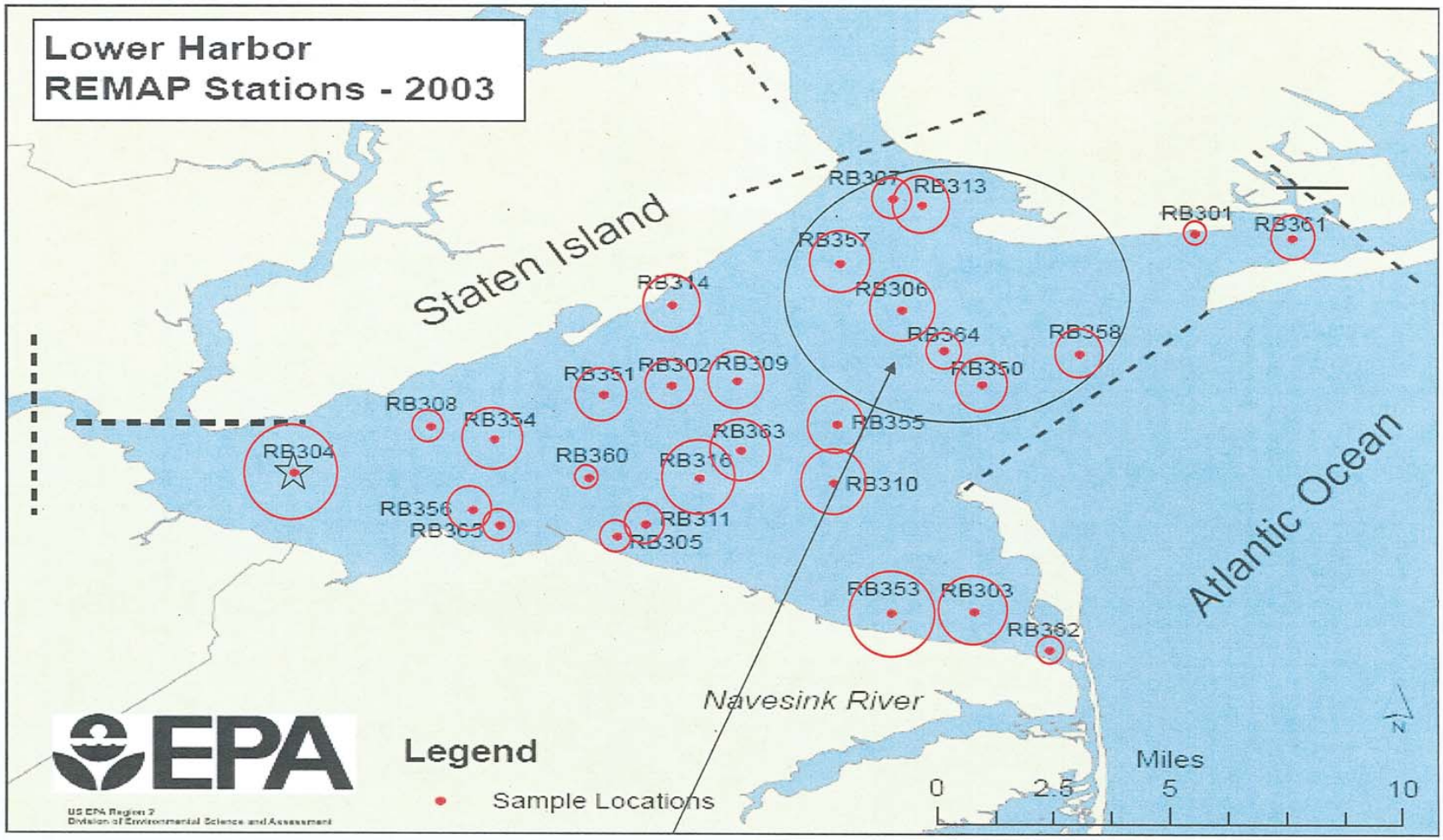
☆ - Indicates highest recorded value.

Relative Iron Levels in Raritan Bay



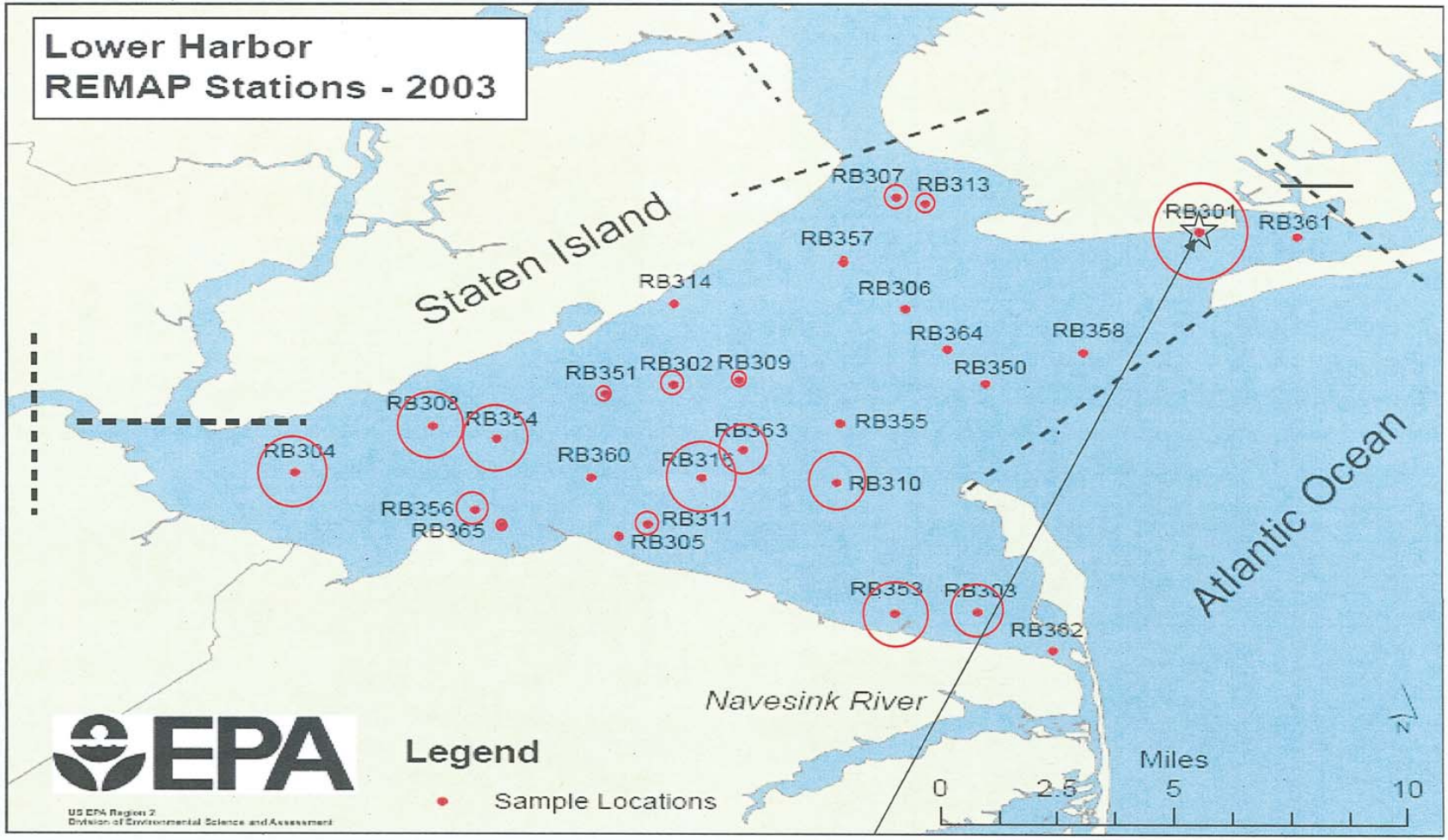
Relative iron levels are comparable to those of lead (0.96).

Relative Aluminum Levels in Raritan Bay



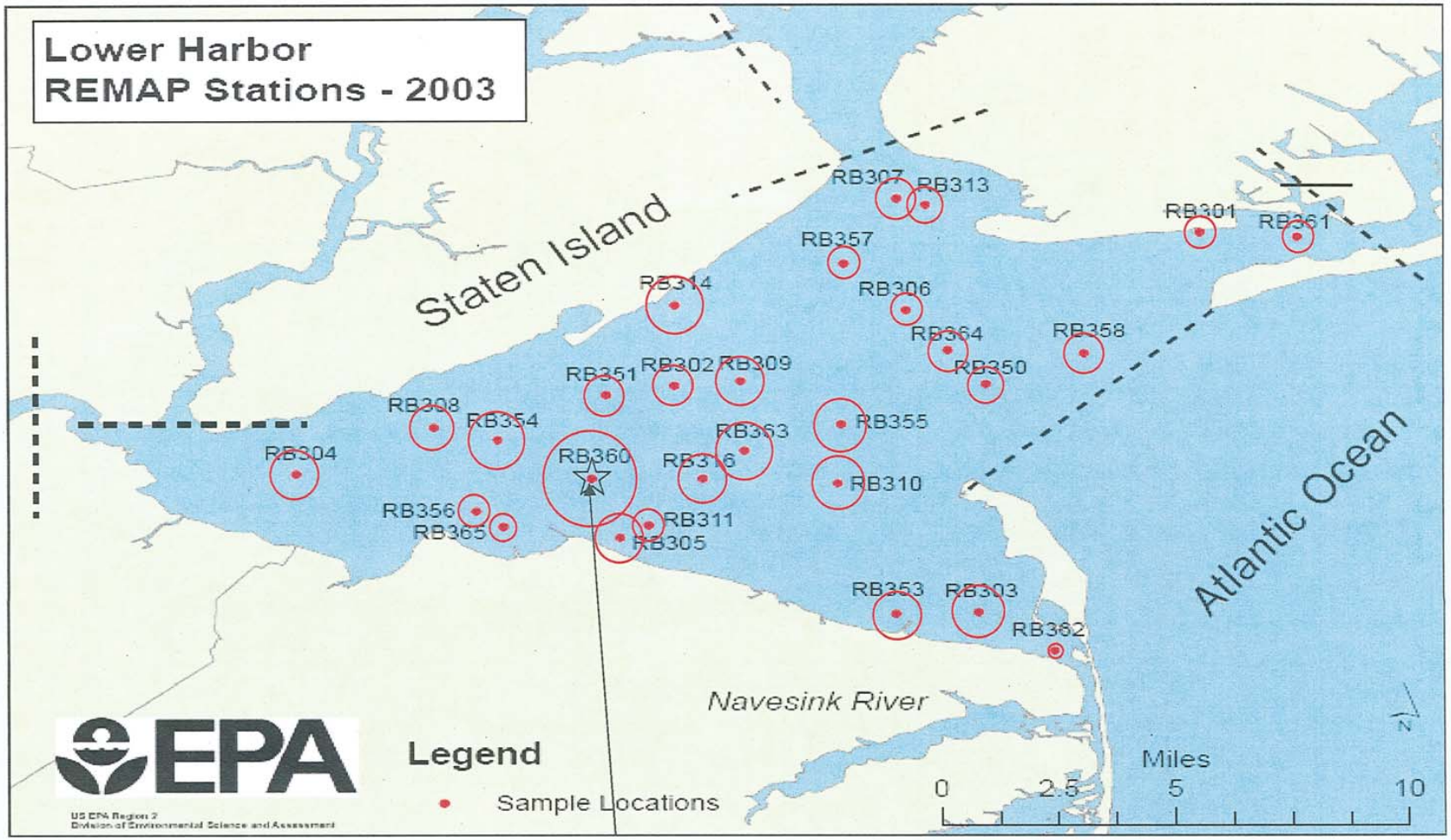
Aluminum is somewhat unique (0.66-0.77) because of slightly higher concentrations in this area and slightly lower concentrations at some of the usual 8 sites.

Relative Mercury Levels in Raritan Bay

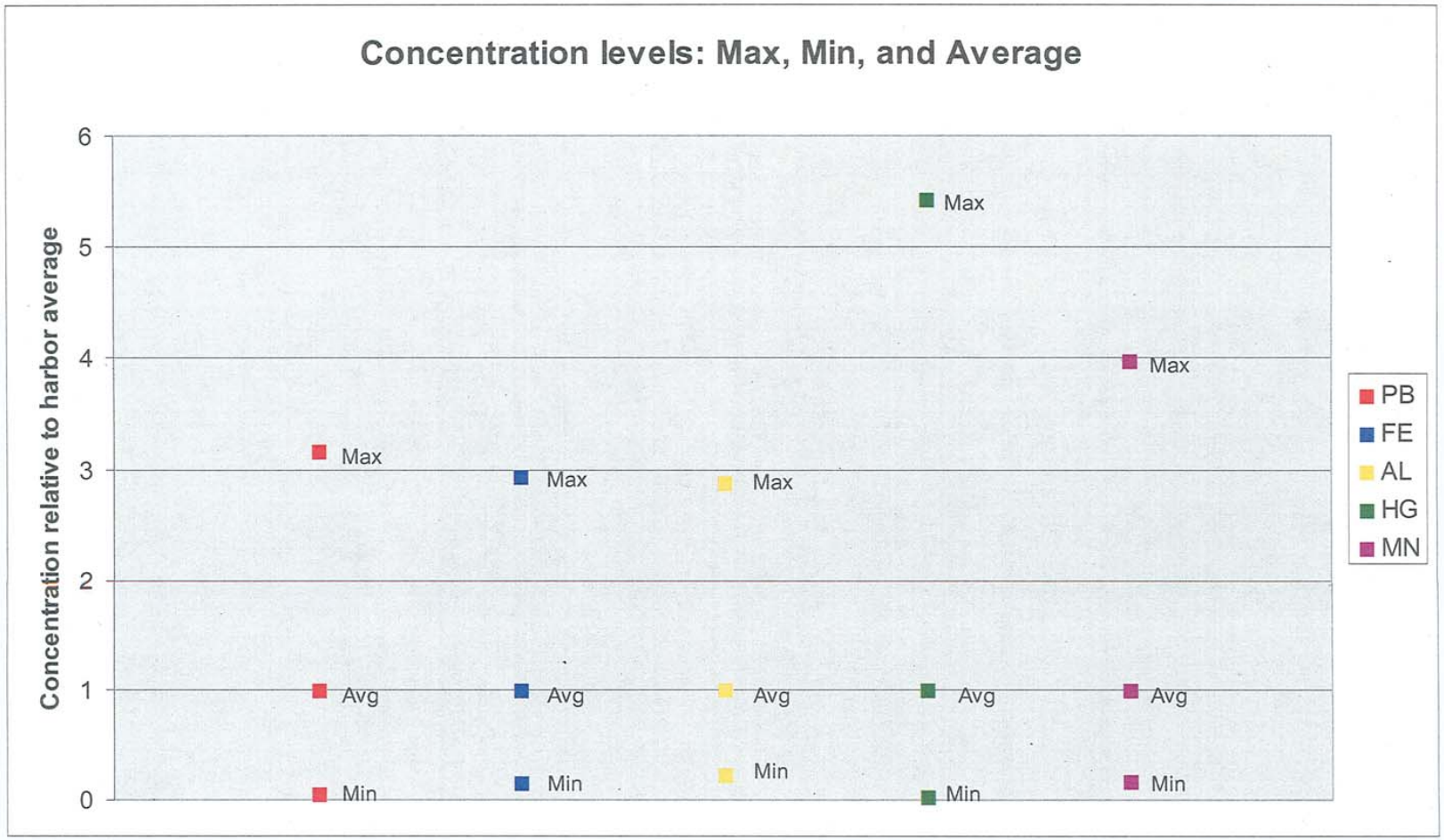


For mercury, the 8 typical sites are present, but overshadowed by this site, which has ~5.5 times the mean concentration (as compared to the typical max of ~3x avg.).

Relative Manganese Levels in Raritan Bay



Manganese levels are fairly constant throughout the harbor with the exception of this site, which has ~4 times the average concentration.



Mercury and Manganese maximum values are proportionally higher than most other metals.

				Metals (mg/kg)											
STATION	DATE	LAT83ACT	LON83ACT	AL	SB	AS	CD	CR	CU	FE	PB	MN	NI	SE	AG
RB301	8/15/2003	40.57465	-73.94295	3270	0.26	2	0.63	13.9	4.8	6360	14.9	236	4.7	0.76	0.15
RB302	7/7/2003	40.51483333	-74.10535	11500	0.43	4.5	0.93	35.7	14.3	14100	31.7	334	8.4	1	0.67
RB303	8/2/2003	40.42585	-74.0116	22100	1.7	22.3	2.5	123	97.2	59300	133	526	31.7	2.7	2.5
RB304	8/2/2003	40.48048333	-74.22255	40100	2.3	20	2.7	135	134	50000	169	495	41.8	2.7	4
RB305	8/2/2003	40.45545	-74.12218333	5400	0.35	4.4	0.4	10	3.8	7470	14.1	476	5.4	0.92	0.065
RB306	8/15/2003	40.54461667	-74.03386667	19900	0.35	2.6	0.59	17.7	3.8	8560	12.3	208	6.2	0.86	0.1
RB307	8/22/2003	40.58798333	-74.03666667	7520	0.52	5.2	0.93	36.3	21.1	13600	37.7	335	12.7	0.96	0.7
RB308	8/16/2003	40.49831667	-74.18	5070	1.8	12.3	2.4	94.2	82.3	30500	115	419	28.8	1.6	2.8
RB309	8/19/2003	40.51671667	-74.08505	14800	0.52	17.8	0.47	35.5	6.8	22700	49.9	505	10.6	0.92	0.14
RB310	7/25/2003	40.47681667	-74.05508333	20400	1.3	16.4	2.3	120	90.1	40300	124	535	34.9	2	3.1
RB311	8/2/2003	40.46036667	-74.11348333	8260	0.49	6.8	0.57	24.2	18.2	18200	22.8	227	5.6	0.94	0.59
RB313	7/31/2003	40.58548333	-74.02765	15300	0.3	3.6	0.64	21.3	10.4	8600	26	264	6.7	0.94	0.3
RB314	7/11/2003	40.54645	-74.10505	14900	0.33	3.7	0.41	21.6	5.7	9030	17.8	655	15.4	0.93	0.077
RB316	7/25/2003	40.47821667	-74.09683333	24700	1.6	17.6	2.4	141	109	44400	152	477	38.2	2.1	3.9
RB350	8/21/2003	40.51515	-74.00916667	12900	0.18	1.8	0.19	9.9	2.6	5790	9.2	277	4.9	0.71	0.043
RB351	7/7/2003	40.51108333	-74.12648333	13800	0.31	3.1	0.2	20.5	7.6	8640	18.1	366	6.3	0.95	0.22
RB353	7/25/2003	40.42498333	-74.0371	32700	2.1	22.6	2.5	140	121	55300	168	505	38.1	2.4	3.6
RB354	7/10/2003	40.47711667	-74.16031667	18400	1.5	17.3	2.1	121	93.3	42600	139	595	37.3	2	3.2
RB355	7/14/2003	40.49946667	-74.05391667	15800	0.23	3.9	0.53	29.2	4.8	11700	28.6	513	6.9	0.82	0.1
RB356	7/14/2003	40.46565	-74.1669	9610	0.68	14.1	1	36	30	24300	39	228	8.6	1.1	0.84
RB357	7/1/2003	40.56295	-74.05306667	16300	0.2	2.8	0.41	15.9	6.4	11200	15	229	9.1	0.61	0.19
RB358	8/15/2003	40.52748333	-73.97878333	11600	0.23	1.8	0.43	8.6	2.3	5200	8.1	352	5.1	0.73	0.034
RB360	7/11/2003	40.47848333	-74.13095	3130	0.68	3.9	0.2	5.1	6	3700	22.7	1690	15.2	0.64	0.025
RB361	7/31/2003	40.5727	-73.91293333	9720	0.3	0.94	0.26	6.5	1.6	3170	6.9	245	2.2	0.72	0.027
RB362	8/2/2003	40.41086667	-73.98826667	3560	0.22	1.6	0.23	11.2	1.6	7250	3.4	70.9	1.5	0.65	0.035
RB363	8/16/2003	40.48945	-74.08388333	16400	0.9	11.1	2	80.7	54.4	31900	94.8	630	26.7	1.4	2
RB364	8/19/2003	40.52855	-74.02091667	6870	0.23	2.6	0.62	18.5	3.6	10200	11.1	358	7.3	0.73	0.078
RB365	8/22/2003	40.45975	-74.15846667	5480	0.37	4.2	0.51	14.4	9.8	11100	14.6	152	3.4	0.66	0.29

			Percent Solids	TOC
SN	ZN	HG	%	mg/kg
4.3	19.9	3	77	9500
8.6	118	0.23	76	7900
17.9	327	1	40	42000
27.7	288	1.7	40	76000
5.1	58.6	0.024	77	4600
4.1	18	0.017	77	8500
7.6	56.7	0.24	66	34000
19.4	232	1.4	53	32000
12.5	145	0.09	77	3900
19.7	222	1.2	38	62000
6.4	102	0.23	77	16000
5.8	31.3	0.18	75	14000
5.6	48.5	0.017	79	6700
25.3	263	1.7	42	37000
3.9	16.3	0.017	98.7	2100
6.4	74.5	0.088	77	26000
25.4	340	1.5	41	14000
22.7	233	1.4	37	58000
6.7	68	0.042	77	12000
9.4	174	0.37	75	8600
4.5	32.3	0.033	78	8700
3.7	12.2	0.017	80	2900
4.2	68.5	0.017	77	4500
3.5	7.1	0.017	80	3500
3.4	11.2	0.017	80	4000
16.4	171	0.82	52	19000
4	20.7	0.017	77	2500
5.2	57.1	0.075	78	6700