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June 30, 2010

Clifford Ng
RCRA Programs Branch
US EPA Region II
290 Broadway Ave, 22nd Floor
New York, NY 10007-1866

**RE: Acid Brook Delta Uplands Remedial Investigation Report
DuPont Pompton Lakes Works
Pompton Lakes, New Jersey
EPA ID #NJD002173946
SRP PI#007411**

Dear Mr. Ng:

Enclosed please find three electronic copies and one hard copy of the Remedial Investigation Report for the Acid Brook Delta (ABD) Uplands for your review. The purpose of this document is to present results of the upland area soil delineation/characterization and the soil sampling program conducted at properties along the western shoreline of the lake.

If you have any questions, please contact Al Boettler at (302) 892-0647 or myself at (973) 492-7733.

Sincerely,

A handwritten signature in black ink that reads "David E. Epps". The signature is written in a cursive, flowing style.

David E. Epps, P.G.
Project Director, Pompton Lakes Works
DuPont Corporate Remediation Group

cc: Frank Faranca, NJDEP (1 hard copy, 3 electronic)
PLW Central File

**REMEDIAL INVESTIGATION
REPORT
POMPTON LAKE UPLANDS
PI#007411
POMPTON LAKES WORKS
POMPTON LAKES, NEW JERSEY**

Prepared for:

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June 2010

DuPont PN 507906
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ACRONYMS

ACO	Administrative Consent Order	LCSD	Laboratory Control Sample Duplicate
ADQM	Analytical Data Quality Management	IRM	Interim Remedial Measure
Ba	Barium	LOI	Letter of Interpretation
BEE	Baseline Ecological Evaluation	mg/kg	milligrams per kilogram
bgs	below ground surface	MS	Matrix Spike
CEA	Classification Exception Area	MSD	Matrix Spike Duplicate
cfs	cubic feet per second	msl	mean sea level
CGMP	Comprehensive Groundwater Monitoring Program	NJDEP	New Jersey Department of Environmental Protection
COPC	Constituents of Potential Concern	NJRDCSRS	New Jersey Residential Direct Contact Soil Remediation Standard
COPEC	Constituents of Potential Ecological Concern	PLW	Pompton Lakes Works
CMI WP	Corrective Measures Implementation Work Plan	Pb	Lead
CRG	Corporate Remediation Group	QA/QC	quality assurance/quality control
Cu	Copper	RCRA	Resource Conservation and Recovery Act
DDR	DuPont Data Review	RI	Remedial Investigation
DERS	DuPont Environmental Remediation Services	RIR	Remedial Investigation Report
DGPS	differential global positioning survey	RIWP	Remedial Investigation Work Plan
DuPont	E. I. du Pont de Nemours and Company	Se	Selenium
ESA	Environmentally Sensitive Area	TCLP	Toxicity Characteristic Leaching Procedure
GP-12	General Permit No. 12	USEPA	US Environmental Protection Agency
GWIIA	Class IIA Groundwater Quality standards	USCS	Unified Soil Classification System
Hg	Mercury	USGS	United States Geological Survey
LCS	Laboratory Control Sample	VOC	Volatile Organic Compound
		XRF	X-Ray Fluorescence
		Zn	Zinc

EXECUTIVE SUMMARY

The purpose of this Remedial Investigation Report (RIR) is to present the results of the remedial investigation (RI) conducted for the DuPont Pompton Lakes Works (PLW) located in Pompton Lakes, New Jersey. Soil sampling was completed offsite at the Acid Brook delta uplands and Pompton Lake shoreline areas to delineate and characterize potential impacts associated with the former DuPont PLW operations.

A remedial investigation was completed for the Acid Brook Delta Uplands to complete the delineation of site-specific metals within the surface and subsurface soil. Existing soil data was used to focus the delineation sampling. The delta uplands was divided into five areas (Areas A through E) to delineate the vertical and horizontal extent of COC in soil to the established soil screening criteria. Following implementation of the approved RIWP, delineation of all areas was completed.

Soil sampling within the floodplain was also conducted to determine whether or not historic flooding may have deposited sediments containing site-related metals onto the shoreline properties. A floodplain analysis was completed to determine the low lying areas near the lake. Samples were then collected and analyzed for lead and mercury for characterization purposes in accordance with the approved work plan. The results of the shoreline sampling indicate that the surface soils have not been impacted by Acid Brook Delta sediment during flooding events.

Remedial actions for the delineated Upland Areas will be determined and completed as part of the corrective measures established for the comprehensive Pompton Lake delta area. For the shoreline properties, no additional investigation is warranted as part of the RI process.

1.0 INTRODUCTION

In 1988, E. I. du Pont de Nemours and Company (DuPont) entered into an Administrative Consent Order (ACO) with the New Jersey Department of Environmental Protection (NJDEP) for Pompton Lakes Works (PLW) located in Pompton Lakes, New Jersey. In 1992, DuPont was issued a Hazardous and Solid Waste (HSWA) permit by the United States Environmental Protection Agency (USEPA), Region II. This ACO and HSWA permit, revised in 1996, required DuPont to conduct a remedial investigation addressing contamination at/or emanating from the site. In March 2010, USEPA became the lead Agency for the Acid Brook delta and delta uplands environmental activities with NJDEP concurrence.

This Remedial Investigation Report (RIR) for the Acid Brook Delta Uplands (uplands) and the Pompton Lake shoreline was prepared in accordance with the Technical Requirements for Site Remediation N.J.A.C. 7:26E-4.8, amended date April 19, 2010. The remedial investigation activities were done in accordance with the NJDEP approved (July 7, 2009 letter) work plan for the uplands "Acid Brook Delta Uplands Remedial Investigation Work Plan" (DuPont CRG, 2009) and shoreline "Pompton Lake Shoreline Remedial Investigation Work Plan" (Parsons Commercial Technology Group, Inc. (Parsons), 2009).

1.1 BACKGROUND

DuPont Pompton Lakes Works (PLW) is located in Pompton Lakes, New Jersey. Operations at PLW began in the Acid Brook Valley in 1926 and ceased in 1994; the facility was demolished in 1995. PLW historically manufactured explosives including mercury fulminate and lead azide, which utilized lead styphnate in manufacturing processes. PLW also manufactured and used copper shells and wire on-site.

Acid Brook flows through the Acid Brook Valley on-site at PLW and off-site through the town of Pompton Lakes where it discharges into Pompton Lake within the area known as the Acid Brook Delta (ABD). As a result of historical manufacturing processes and the pathway from the site to the ABD, site-related metals had impacted surface water and sediment within AB, the floodplain soils, uplands soil, and the ABD sediments. Mercury has been identified as the primary chemical of concern (COC) for the ABD portion of Pompton Lake. Lead, copper, selenium, barium and zinc were also identified as COCs.

Remedial activities related to the ABD have been implemented both on-site and off-site to protect human health and the environment. Between 1991 and 1997, Acid Brook was the subject of remedial efforts that included stream-bed cleaning and excavation of floodplain soils; extending from the site to Lakeside Avenue. In conjunction with these activities, the ABD and the ABD upland area were the subject of investigations between 1990 and 1993 [*Delta Sampling Report*, DuPont Environmental Remedial Services (DERS), 1994]. In 1997, portions of the ABD uplands were remediated (*Lakeside Avenue Remediation Project Environmental Report*, DERS, 1996). However, remedial action for AB below Lakeside Avenue was to be incorporated with the remediation of the ABD. Additional investigation was needed for the uplands to determine whether the full the nature and extent of contamination had been identified. In their comments on the Uplands RIWP (July 7, 2009 letter), NJDEP also requested that additional sampling be conducted in the low-lying areas of the shoreline where there is the greatest potential for suspended sediments from floodwaters to accumulate.

1.2 OBJECTIVES

The Acid Brook delta uplands and shoreline includes the areas within the floodplain along Acid Brook and along Pompton Lake from south of Lakeside Avenue, east of Acid Brook in the vicinity of Rotary Park, and west of the brook and north of the dam. The location of the delta uplands and shoreline, as well as parcel descriptions and labels, are indicated on Figures 1 and 2.

The remedial investigation developed for the uplands was based upon the results from previous investigations. The media of potential concern was limited to soil. Following evaluation of the existing data, one objective of the RI was to delineate the horizontal and vertical extent of contaminants within the uplands soil. Screening criteria used to evaluate the data were developed as part of the Work Plan (DuPont CRG 2009) to ensure protection of human health and the environment.

Extensive investigations have been completed to understand the nature and extent of mercury and other site-related metals in Acid Brook, Pompton Lake, the uplands, and floodplain areas that have resulted from historical operations at the site) (DuPont CRG September 2009, January 2009, and February 2008). Through these investigations, lead and/or mercury have been the primary site-related metals associated with remedial actions. Based on information collected from these previous investigations, a more systematic approach was used to evaluate the shoreline properties at Pompton Lake.

In determining where historic flooding may have deposited sediments containing site-related metals onto the shoreline properties, a floodplain analysis was completed to determine the low lying areas near the lake. These low lying areas would be more prone to flooding and therefore have a higher probability of being subject to deposition of site-related metals. The objective of the shoreline sampling was to determine whether or not the shoreline along the western boundary of the lake were impacted by site-related constituents.

The purpose of this RIR is to present the soil data collected during the implementation of both the uplands and shoreline work plans. Together these data show that constituents in delta uplands soils are delineated; and shoreline soils have not been impacted by historic flooding.

1.3 REPORT ORGANIZATION

The remainder of the RIR includes the following sections:

Section 2 presents information on the site location, history and a summary of previous investigations conducted at the site including the Baseline Ecological Evaluation (BEE) and the constituents of concern.

Section 3 presents a description of the site setting and history, geology, and land use.

Section 4 provides a summary of the RI activities conducted and a summary of any modifications to the RI.

Section 5 presents a discussion on the reliability of laboratory analytical data, an overview of RI results, a description of significant events impacting results, and the site survey.

Section 6 presents the current RI results (2009 through 2010) and provides a summary of the previous RI results (1990 through 1996)

Section 7 provides conclusions based on the data and recommends additional activities for the Site.

Section 8 provides a list of references.

Appendices to the RIR include:

- Remedial Investigation Report (RIR) form
- Historic maps
- Geologic logs for the uplands
- Lab reports for the current RIs
- A sample inventory table with XRF results for the current uplands RI.

1.4 CASE INVENTORY DOCUMENT

As required by the NJDEP Technical Requirements (N.J.A.C 7:26E -4.8), DuPont is submitting a Case Inventory Document (CID), which provides the status of the individual AOCs for the Site, as part of the onsite RIRs. The delta and delta uplands have been added as AOC 118A, an extension of Acid Brook. Additionally, the completed RIR form is provided in Appendix A.

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2.0 SITE HISTORY

2.1 SITE LOCATION

The Acid Brook delta uplands and Pompton Lake shoreline are located in the borough of Pompton Lakes in Passaic County, New Jersey. Figure 1 provides the site location on the United States Geological Survey 7.5-minute Wanaque and Pompton Plains Quadrangle Maps.

Acid Brook originates in the Ramapo State Forest land north/northeast of the DuPont Pompton Lakes Works (PLW) site. Approximately one-half mile south of the site, Acid Brook discharges into Pompton Lake within the area known as the delta. The Acid Brook and Pompton Lake vicinity is divided into three areas (see Figure 1):

- The delta, which refers to the portion in Pompton Lake (i.e., lake sediments)
- The delta uplands or just uplands (defined as the flood plain soils between Lakeside Avenue and the water's edge along Acid Brook)
- The shoreline, which refers to the shoreline around Pompton Lake south of Lakeside Avenue Bridge and north of the dam (soils within the flood plain) excluding the delta uplands

The delta uplands and shoreline, generally referred to as just the uplands in this RIR, are the areas south of Lakeside Avenue around Pompton Lake from the Lakeside Avenue Bridge across the lake to the dam and encompasses approximately 67.5 acres. Of those 67.5 acres, approximately 12 acres are within the flood plain including the 1.6 acres of the delta uplands. Of those 1.6 acres, approximately 0.9 acre is a relatively flat area situated approximately 8 feet above the lake, 0.7 acre is a wooded slope, and 1 acre is wetlands along the lake's shore.

Pompton Lake is an impoundment that was created by damming the Ramapo River. The dam was constructed in the late 1800s then enlarged in the early 1900s. When the dam was enlarged, the area that is now the delta was submerged. The Ramapo River flows over the Pompton Lake dam. Approximately 1.5 miles downstream, the Ramapo and Pequannock Rivers join to form the Pompton River.

2.2 OPERATIONAL HISTORY

As described in the 1989 CH2MHILL Operational History, Pompton Lakes Works, the manufacturing of explosive products can be traced back to late 1800s. Detailed histories of this area are contained in the aforementioned report, as well as the 1994 Former Operating Area Preliminary Assessment Report (DuPont Environmental Remediation Services (DERS), 1994). A summary of these histories as it pertains to the project area is as follows:

- 1926-DuPont began operations and production in the Acid Brook Valley.
- 1994-DuPont ceased operations and production in the Acid Brook Valley.

2.3 HISTORIC SITE PLANS/AERIAL PHOTOGRAPHY

Historic maps were obtained for the "Phase IA Cultural Resource Survey" (URS, September 2009) conducted for the recent Acid Brook delta and uplands sampling program. These maps are included in Appendix B.

- 1877 Map - Development adjacent to Pompton Lake was minimal at this date.
 - Two buildings belonging to “Mrs. S. Romaine” were located to the north and south of Lakeside Avenue, northwest and southwest of the uplands. One was the Romain Hotel or Lakeside Hotel, located where the Lakeside Middle School now resides.
 - The Pompton Lake area was primarily agricultural.
- 1929-1943 Sanborn Map - The population of Pompton Lakes increased as indicated by the houses.
 - There were approximately 25 residences along Lakeside Avenue and south of Lenox Avenue along the lake.
 - Romain or Lakeside Hotel – Unchanged
- 1954 Topographic Map (U.S. Army Wanaque Quad), photo revised 1971
 - The Lakeside Middle School replaced the Romain or Lakeside Hotel.
 - Additional homes along Lakeside Avenue and south of Lenox Avenue along the lake.

2.4 PREVIOUS INVESTIGATIONS AND REMEDIATIONS

The Acid Brook and the uplands have been the subject of investigation and later remediation since 1990 as summarized below.

- Characterization sampling conducted along Acid Brook, Area of Concern (AOC) 118, determined that the constituents of potential concern (COPCs) in soil were barium, copper, lead, mercury, selenium, and zinc (Ba, Cu, Pb, Hg, Se, and Zn).
- Investigation sampling was conducted at 103 locations in the uplands in accordance with the March 1989 Dunn Geoscience “Remedial Investigation Work Plan Pompton Lakes Works”.
- Wetlands delineation was conducted in the uplands which delineated wetlands near the discharge area of Acid Brook and adjacent to Pompton Lake. LOI dated July 30, 1991 (NJDEP No. 1609-91-0004.1)
- Acid Brook was the subject of remedial efforts between 1991 and 1997 that included stream-bed cleaning and excavation of floodplain soils onsite and down to Lakeside Avenue (north of the uplands).
- Investigation sampling was conducted at 13 locations in the uplands, according to the March 1993 DERS “Acid Brook Delta Sampling Plan”. The results of these investigations were documented in the June 1994 DERS “Delta Sampling Report”.
- A portion of the uplands was the subject of remedial efforts that included excavation of floodplain soils. These activities are documented in the “Phase I of the Acid Brook Delta Project Remedial Action Report” (DERS, 1997), submitted to the NJDEP in January 1997.
- Wetlands delineation again conducted in the uplands was consistent with the 1991 LOI. The June 2009 wetlands delineation is shown in Figure 3, and was submitted to NJDEP in September 2009 as part of a NJDEP Freshwater

Wetlands General Permit No. 12 (GP-12) (URS, September 2009) for implementation of the Uplands RIWP.

The Uplands RIWP presented a summary of the analytical results from the above sampling events, and of the six COPCs in upland soils, lead and mercury are the main COPCs with detected concentrations above NJDEP November 2009 Residential Direct Contact Soil Remediation Standards (NJRDCSRS). Barium, copper, selenium, and zinc concentrations were not detected above the NJRDCSRS in any samples.

2.4.1 Baseline Ecological Evaluation

A Baseline Ecological Evaluation (BEE) was prepared for the delta uplands area by URS. The BEE was provided as Appendix B of the NJDEP-approved Uplands RIWP (DuPont CRG, January 2009). The scope of a BEE includes identifying the co-occurrence of the following:

- Site-specific contaminants of potential concern (COPECs);
- Environmentally sensitive Areas (ESAs) on or in the vicinity of the site; and
- Potential contaminant migration pathways to ESAs.

The primary objective of the BEE is to evaluate existing information and analytical data for the site to determine whether additional ecological evaluation may be appropriate.

The evaluation of surficial soil data considered the potential ecological risk associated with soil exposures under conditions that currently exist in the delta uplands. The evaluation of subsurface soil data considered potential ecological risk associated with deeper soil intervals that may be exposed by excavation scenarios implemented as part of potential remedial activities in the uplands. Based on the data evaluation, copper, lead, mercury, and selenium, and zinc were identified as constituents of potential ecological concern (COPECs) in surface and subsurface soils. Further evaluation indicated that concentrations of zinc do not exceed the minimum delineation criteria; therefore, no further delineation of zinc is warranted in the uplands.

ESAs identified in the uplands included terrestrial areas, wetlands and wetland transitional areas, and surface-water bodies. Terrestrial area ESAs were further characterized as urban parkland and upland wooded areas. Surface water bodies adjacent to the delta uplands include Acid Brook and Pompton Lake. Overall, the uplands area provides limited wildlife habitat value due to the relatively small size of the wooded area and the fragmentation of the habitat by a middle school to the west, a park to the east, and Lakeside Avenue and residential neighborhoods to the north.

An evaluation of potential contaminant migration pathways indicated that concentrations of metals exceeding ecological soil screening criteria in surface and subsurface soils were primarily associated with the riparian corridor of Acid Brook and the fringe wetlands along the Pompton Lake shoreline. Locations with COPEC exceedances in surface and subsurface soils were generally concentrated near the mouth of Acid Brook. Overall, maximum metal concentrations and the frequency of exceedances of ecological soil screening criteria were greater in surficial soils in wetland areas relative to surficial soils in terrestrial areas.

The findings of the delta uplands BEE indicated that potential ecological risk associated with COPEC concentrations in surface or subsurface soils cannot be dismissed. Based on these findings, further ecological investigations or evaluations of remedial alternatives for this area are appropriate. Additional investigations or evaluations of remedial

alternatives should focus on the four COPECs (copper, lead, mercury, and selenium) identified in the BEE.

2.4.2 Evaluation Criteria

As presented in the approved Uplands RIWP, horizontal delineation of the COPCs and COPECs in surface soils (0 to 0.5 feet) was based on the lower value of the NJRDCSRS and ecological soil delineation criteria (see Table 1). The methodology and supporting calculations for the derivation of ecological soil criteria are provided in Appendix C of the Uplands RIWP. Using the lower value of the NJRDCSRS and ecological soil delineation criteria will ensure protection for use of the uplands by humans and ecological receptors. The criteria used to evaluate the analytical results are as follows.

Table 1 - Criteria Selected for Horizontal Delineation of Soils: 0 to 0.5 Feet

Metal	NJRDCSRS (mg/kg dry weight)	Ecological Soil Delineation Criteria (mg/kg dry weight)	Minimum Criteria Selected for Horizontal Delineation (mg/kg dry weight)
Copper	3,100	1,100	1,100
Lead	400	892	400
Inorganic mercury	23	20.5	20.5
Selenium	390	5.05	5.05
Zinc	23,000	1,507	1,507

The criteria for evaluation of soil greater than 0.5 feet in depth in the delta uplands and surface soils for the remaining uplands was the NJRDCSRS. As noted above in Section 2.4.1, concentrations of zinc do not exceed the minimum delineation criteria; therefore, no further delineation of zinc was conducted in the uplands. As presented in the NJDEP-approved Uplands RIWP (DuPont, January 2009), NJDEP Impact to Ground Water criteria are not applicable.

2.4.3 Groundwater Investigations

The groundwater is not included in this RIR because it is not a migration pathway for the COPCs and COPECs within the Upland areas and shoreline properties. Groundwater is addressed by the Comprehensive Groundwater Monitoring Plan (CGMP) (DERS, November 1995). The CGMP was developed in 1995, and is based on an extensive review of all the data collected from 126 groundwater monitoring wells located in the Acid Brook valley (36 off-site and 90 on-site). The data analysis performed as part of the CGMP design determined that the primary constituents of concern in groundwater, both onsite and offsite, are chlorinated volatile organic compounds (VOCs). 33 wells (15 on-site and 18 off-site) were selected to monitor for VOCs on a semi-annual basis. Total lead concentrations are also analyzed until 2004 as part of this program, pursuant to a request by the NJDEP. Annual reports are submitted to the NJDEP as part of the CGMP.

2.4.4 Surface Water and Sediment Investigations

Need to add paragraph on site operations ended; acid brook remediated (stream bed/flood plain) to Lakeside Ave. Plus, copper source removal (?); the acid brook from lakeside to Pompton Lake shoreline is being addressed as part of the ABD CMI

As noted above, Acid Brook was the subject of remedial efforts between 1991 and 1997 that included stream-bed cleaning and excavation of floodplain soils onsite and down to Lakeside Avenue (north of the uplands). PLW manufacturing and process inputs into the brook ended in April 1994. The previous uplands investigations include borings in the Acid Brook channel south of Lakeside Avenue. Additional sampling of the channel is part of the current RI (see Area A discussions in sections 4.1 and 6.1 below).

Between 1995 and 2008, multiple ecological investigations, scientific studies, and remedial investigations were performed on Pompton Lake surface water and sediment that culminated in the submission of the Draft Remedial Action Proposal (CRG, 2006) and the Revised Acid Brook Delta Remedial Investigation Report (CRG, 2008). NJDEP in its letter of May 2008, confirmed that mercury delineation in Pompton Lake was complete. Subsequently, NJDEP, in its letter of June 19, 2008, approved, without conditions, the Revised Acid Brook Delta Remedial Investigation Report dated January 30, 2008. The Acid Brook from Lakeside to Pompton Lake shoreline is being addressed along with the delta as part of the ABD CMI.

3.0 PHYSICAL SETTING

3.1 SITE DESCRIPTION

Geologically, the Pompton Lake and the uplands are situated at the edge of the New Jersey Highlands physiographic province, at the boundary between the Precambrian Highlands and the Triassic basin. The boundary between these two geological provinces is a northeastern-oriented, major normal fault known as the Ramapo Fault. This boundary occurs in the vicinity of the western shore Pompton Lake. The delta and the uplands are located in the Acid Brook Valley. The following subsections provide more detail on the Acid Brook Valley, including the uplands, the delta, geology, and hydrogeology.

3.2 SURFICIAL AND BEDROCK GEOLOGY

3.2.1 Geology

The majority of the unconsolidated soils in the Acid Brook Valley were deposited as the Wisconsin glacier retreated 20,000 to 17,000 years ago. The following alluvial deposits are a fining downward sequence:

- Poorly sorted deposit of sand, gravel, cobbles, boulders, and some sand and silt called the shallow alluvial zone, which consists of both dislodged Pleistocene till and colluvium deposits.
- A fining downward sequence of fluvial deposits and deltaic sands called the intermediate alluvial zone.
- Fine sand and silts deposited in the glacial lake, directly on bedrock called the deep alluvial zone.

The soils within the upland are generally poorly sorted sands. In the Acid Brook Channel, the upper few feet are gravelly sands. The lithologic logs for the 2009-2010 cores can be found in Appendix C. Figure 4 shows the delta uplands boring locations and cross-section locations. Figure 5 shows cross-section A-A' north to south across the uplands east of Acid Brook and B-B' west to east across the uplands along the lake shore.

3.2.2 Hydrogeology

The average annual rainfall measured in the vicinity of the site is 48.5 inches per year, as measured at a gauging station near Raymond Dam at the Wanaque Reservoir. Groundwater in the Acid Brook Valley is encountered at a depth of between 4 and 26 feet below ground surface; and, in general, the piezometric surface mimics surface topography. The thickness of the saturated alluvial zone varies but can be up to 165 feet near the Pompton Lake shore. It appears that groundwater flows from bedrock ridges to the valley, generally south-southeast, eventually discharging into Pompton Lake. Off-site, the gradient ranges from 0.001 feet per foot to 0.007 feet per foot.

3.2.3 Surface Water/Sediment

Acid Brook flows south through the site and discharges into Pompton Lake. Base flow in the brook is approximately 0.71 cubic feet per second (cfs), but it ranges from less than 0.35 cfs to greater than 1.41 cfs. The Ramapo River also flows south and becomes

Pompton Lake near its southern extent. The United States Geological Survey (USGS) gauging station at the Pompton Lake dam shows that average flow over the dam is around 287 cfs, but it ranges from a low flow of 84 cfs to a high flow over 500 cfs. Lake elevation data from recent sampling events (last four years) range from a minimum of 200.22 to a maximum of 203.32 with an average of 201.19 feet mean sea level NAVD-88.

The remedial investigation of the sediment in the delta and Pompton Lake was presented in the "Revised Acid Brook Delta RIR" (DuPont, June 2008).

3.3 LAND USE

The delta uplands, the delta, and the western half of Pompton Lake are located in the borough of Pompton Lakes; the eastern half of Pompton Lake is located in the township of Wayne; and the northern part of Pompton Lake is located in the borough of Oakland. Current land use of the upland areas consists of a park and wooded area???? Following remedial actions of the ABD area and the uplands, the upland area will be restored to it's current land use.

Land use within 1,000 feet of Pompton Lake is principally residential with some small parks, businesses and light industrial areas. Immediately north of the delta uplands is Lakeside Avenue, immediately to the west is a middle school, immediately to the east is a park, while further north, west, and southwest is residential housing. South of the delta uplands along the western shoreline is all residential housing. The eastern shoreline south of the Lakeside Avenue bridge is also residential housing except for a park where the lake narrows and a restaurant located just north of the dam.

3.4 WETLANDS

The National Wetlands Inventory was reviewed for the delta uplands area. The only wetlands adjacent to Pompton Lake, south of the bridge, are at the discharge point of Acid Brook as shown in Figure 3. Wetlands in this area were delineated by wetland scientists with URS Corporation in June 2009. Consistent with the 1991 LOI, an intermediate resource value is recommended for this wetland. This delineation supersedes an earlier delineation and the associated LOI (File No. 1609-91-0004.1) which was issued by NJDEP on July 30, 1991. The June 2009 wetlands delineation is shown in Figure 3, and was submitted to NJDEP in September 2009 as part of a NJDEP Freshwater Wetlands General Permit No. 12 (GP-12) (URS, September 2009) for implementation of the Uplands RIWP. NJDEP approved the GP-12 in their November 12, 2009 letter.

4.0 REMEDIAL INVESTIGATION ACTIVITIES

4.1 SOIL REMEDIAL INVESTIGATION

Investigation sampling was conducted in accordance with the approved January 2009 "Acid Brook Delta RIWP" and the October 2009 "Pompton Lake Shoreline RIWP" and with the Technical Requirements for Site Remediation (Tech Regs.). All sampling techniques were in accordance with the methods described in the 2005 NJDEP *Field Sampling Procedures Manual*. The Unified Soil Classification System (USCS) was used to log all soils investigated during this program. Each targeted core location was located and documented using differential global positioning survey (DGPS) techniques.

For the delta uplands, soil samples were collected at locations and depths intended to horizontally and vertically delineate exceedances of the criteria described in Section 2.4.2 above. Soil samples were collected using various hand tools in order to minimize impact to the wetlands, wetlands transition area, and the uplands park area. Surface samples (0 to 0.5 feet) were collected using hand trowels. Shallow samples (0.5 to 2 feet) were collected using a 2-inch hand-driven auger macrocore. Soils in the wetlands were saturated, so the field team attempted to sample using a continuous light-weight vibracore in those areas. However, tree roots and gravel layers made using the vibracore difficult and many cores had to be collected using a 2-inch jack hammer-driven macrocore. Collection was also conducted using a 3-inch jack hammer-driven macrocore in softer soils to increase recovery in some areas. The field geologist relocated any soil boring within a few feet if refusal was met while advancing the boring to the desired depth or to move around the numerous trees and tree roots. The collection method and penetration/recovery depths were recorded at each location during field collection efforts.

The delta uplands was divided into five areas for delineation purposes (also see Figure 4) and to support future remedial action efforts:

- Area A: The Acid Brook channel from Lakeside Avenue downstream to approximately where the topography starts to flatten.
- Area B: South of Area A to Pompton Lake, and from the approximate western edge of the Acid Brook channel west to a boundary defined by existing borings, where analytical results were below applicable criteria. The western boundary has been delineated; however, supplemental samples were collected to determine if the western edge could be adjusted inward.
- Area C: South of Area A to Pompton Lake, and from the approximate western edge of the Acid Brook channel east to a boundary defined by existing boring 536-67 with supplemental proposed samples to refine the horizontal and vertical limits of this area.
- Areas D1 and D2: These are areas within Area C that, based on existing samples, show a minimum depth of impacted soil of 5.5 feet below ground surface (bgs). The limits of these "deep" areas were further defined by the sampling conducted.
- Areas E1 through E7: Isolated exceedances outside of Areas A, B, and C for which delineation sampling was conducted.

For the shoreline, one surface soil (0 to 0.5 feet) sample was collected on each borough of Pompton Lakes parcel (western shore) within the floodplain (where access was granted to DuPont) to determine where historic flooding may have deposited sediments containing the site-related metals (lead and mercury) onto the shoreline properties. A sample was collected from a low-lying area on the property as determined by the flood plain analysis described in the Shoreline RIWP. Typically the low-lying area was at the shoreline, so the sample was collected adjacent to the actual water line at the time of sampling. Soil samples were collected using a hand trowel.

4.2 SIGNIFICANT EVENTS IMPACTING RESULTS

During the implementation of the Uplands RIWP, November 2009 through January 2010, the lake level was higher than the 200.1 feet shown in the proposed boring location map in the RIWP. As a result, 22 proposed locations were not sampled because the locations were submerged by high water levels within the lake. Some of these locations were sampled in May/June 2010 as part of additional characterization in the lake in preparation for the Corrective Measures Implementation Work Plan (CMI WP). Data from these locations are not included in this RIR. As a result of the high water level, the eastern edge of Area C was shifted west to end near boring 536-67 as the area in between borings 536-67 and 536-65 was under water.

The core for vertical delineation of Area E4, 536N-64D, had poor recovery due to cobbles and a sample was not obtained from the target depth of 6.5 to 7 feet. Several attempts were made to advance to the depth, but were unsuccessful due to the gravel layer with cobbles. A successful attempt was made as part of additional characterization in preparation for the CMI in May 2010.

During the preparation for implementation of the Shoreline RIWP, DuPont was not granted access to 8 of the 40 properties. Table 2 summarizes the status for each of the parcels (also see Figure 7).

4.3 WASTE CHARACTERIZATION

As part of additional characterization in preparation for the CMI, samples were collected in June 2010 from ten locations in the uplands. The ten locations were generally selected to coincide with locations at which elevated levels of constituents were detected during previous sampling efforts. Samples were analyzed by Toxicity Characteristic Leaching Procedure (TCLP) for the eight Resource Conservation and Recovery Act (RCRA) metals and including two additional metals which are COCs for the upland area (arsenic, barium, cadmium, chromium, copper, lead, mercury, selenium, silver, and zinc). The data were not available at the time of this report but will be included in the revised CMI WP which will be submitted at the end of 2010 to USEPA and NJDEP.

5.0 TECHNICAL OVERVIEW OF REMEDIAL INVESTIGATION ACTIVITIES

To be protective of human health and the environment, minimum delineation criteria (see Table 1) were used to delineate the extent COCs in soil and to support future remedial action efforts.

5.1 RELIABILITY OF ANALYTICAL DATA

Soil samples obtained during the RI were collected in accordance with the quality assurance/quality control (QA/QC) methods described in the 2005 NJDEP *Field Sampling Procedures Manual*, and the Uplands and Shoreline RIWPs. Variations to these procedures and quality results are discussed in the following sections. A summary of analytical methods and quality assurance indicators is provided in Table 3.

5.1.1 Sample and Location Coding System

The naming conventions are as follows:

SITE-SAMPLE MATRIX-AREA-CORE NUMBER-(TOP-BOTTOM DEPTH IN FEET)

- 'POM' represents the DuPont PLW site
- 'S' indicates the sample matrix is soil, 'FB' indicates a field blank
- '536' indicates the sample area is the delta uplands; and,
- '536N' indicates the sample area is the delta uplands and the sample was collected during the new RI sampling conducted in 2009-2010
- For the shoreline samples the 'Block-Lot' for each property was used as the 'AREA'
- 'D' and 'D2' indicates where a deeper sample was collected at the same location and labeled with a "D". If it was still found to still be above criteria, a deeper samples was then collected from the same location, and it was labeled D2.

5.1.2 Data Validation

The electronic data submitted for the 2009-2010 uplands and shoreline sampling was reviewed via the DuPont Data Review (DDR) process. The DDR is an automated internal review process used by the ADQM group to determine if the data is usable. The data is run through this automated program where a series of checks are performed on the data. The data is evaluated against hold time criteria, checked for blank contamination, assessed against matrix spike (MS)/matrix, spike duplicate (MSD) recoveries, assessed against relative percent differences (RPDs) between these samples, assessed against laboratory control sample(LCS)/control sample duplicate (LCSD) recoveries, assessed against RPDs between these samples, assessed against RPDs between laboratory replicates, and assessed against surrogate spike recoveries. The DDR applies the following data qualifiers to analysis results, as warranted.

DDR Analytical Qualifiers

Qualifier	Definition
B	Not detected substantially above the level in the laboratory of field blanks
R	Unusable result. Analyte may or may not be present in the sample
J	Analyte present. Report value may not be accurate or precise.
UJ	Not detected. Reporting limit may not be accurate or precise.

All data reported in this RIR was reviewed using the DDR process described above. No data used for evaluation/interpretation in this report was qualified "R." DDR reports are included in Appendix D.

5.1.3 Quality Assurance/Quality Control Samples

QA/QC was performed on field samples during the RI to assess the accuracy and representativeness of samples collected. Field QA/QC checks include field blanks, temperature blanks, trip blanks, and field duplicate samples. Laboratory QA/QC checks include matrix spike and matrix spike duplicate samples. Table 4 summarizes the quality assurance sampling analytical results for blanks. Duplicates are presented with the analytical results in Tables 6 for the delta uplands and Table 7 for the shoreline. QA/QC samples confirmed the accuracy of the laboratory and field samples.

A field XRF was not specified in the work plan but the Innov-X Portable XRF Analyzer was used to screen the samples collected in the delta uplands to facilitate real time delineation. The XRF results are presented in Appendix E.

During the delta uplands portion of the investigation in 2009-2010, approximately 300 samples were collected from 138 locations in the project area and analyzed by the field XRF. Samples that passed the XRF field screening were submitted to Lancaster Laboratory, Inc. (Lancaster), a NJ-certified laboratory, certification number PA011, for confirmation. 154 samples were submitted for confirmation. In accordance with the Uplands RIWP samples were analyzed for some or all of the COPC and COPEC: copper, lead, mercury and selenium.

During the shoreline portion of the investigation in May 2010, 32 samples were collected from 32 properties in the project area. In accordance with the Shoreline RIWP samples were analyzed for the COPC: lead and mercury.

5.2 SUMMARY OF RESULTS

A summary of 1990 through 1996 delta uplands data presented in previous reports is provided in Table 5. Where the detection limit is greater than the criteria, the result is treated as above criteria and delineated. For example, 536-20(5-5.5) in Area D2 where mercury was not detected above 3150 mg/kg. Table 6 provides the 2009 through 2010 delta uplands laboratory analytical results. Figure 6 shows the delta uplands data. As noted above the field XRF data is presented in Appendix E along with a sample summary for the uplands. The shoreline results are provided in Table 7 and Figure 7 of this report. A detailed discussion of the results is provided in Section 6.0.

5.3 SIGNIFICANT EVENTS IMPACTING RESULTS

There is no chain of custody page for sample ids POM-S-536-294(1.0-1.5), -536-294(3.0-3.5), -536-285(1.0-1.5), -536-285(2.0-2.5), -536-285(4.0-4.5) and -536-285-285(5.0-5.5), all collected 12/10/09. No custody sheet for these samples arrived at the lab, or was found at the site. The data is being used. Results from 536-294(3.0-3.5) are being used to define the bottom of the boring, however, none of the other samples are being used for delineation purposes.

5.4 SITE SURVEY

Each targeted core location was located and documented using differential global positioning survey (DGPS) techniques or a combination of surveyor and GPS. The New Jersey State Plane Coordinate System (NAD83) was used for horizontal control and the North American Vertical Datum (NAVD-88) for vertical elevations.

In December 2007, RCC Design, Inc., a licensed NJ surveyor, prepared a detailed CAD base map in accordance with N.J.A.C. 13:40-5 showing present structures, surficial features and 1-foot topography of the delta uplands and Pompton Lake shoreline from the Lakeside Avenue Bridge to the dam. The CAD base map was utilized to create the RIR figures with the exception of the Site Location Map (Figure 1) and the Property Map (Figure 2). Scales are as noted on each figure.

6.0 SUMMARY OF REMEDIAL INVESTIGATION SAMPLING RESULTS

As presented in the Upland RIWP, the delta uplands was divided into five areas (Areas A through E) to complete the delineation the extent of COC in soil. Figure 6 presents the delta uplands laboratory data and Appendix E presents the delta uplands XRF data. The XRF was used to advance the soil data collection process, however for compliance samples (ie., defining the extent of delineation), a sample was sent to the laboratory for confirmation analysis. All exceedances of the applicable criteria were delineated horizontally. For vertical delineation or determination of the overall bottom depth of some areas, cores were advanced past the target depth then sub-sampled and screened in series by 6-inch depth increments from top to bottom until COPCs were below the NJRDCSRS then the sample(s) below NJRDCSRS were sent to a NJ certified laboratory for confirmation.

The shoreline sampling goal was to determine if COPCs were present in the Pompton Lake floodplain outside of the delta uplands to evaluate the potential flooding pathway. One surface (0-0.5 foot) sample was collected on each property that granted access and sent to a NJ certified lab for analyses for lead and mercury. Figure 7 presents the shoreline laboratory data.

6.1 DELTA UPLANDS AREA A

Area A consists of the Acid Brook channel from the Lakeside Avenue bridge downstream to approximately where the topography starts to flatten out. Previous samples were analyzed for Ba, Cu, Pb, Hg, Se, and Zn. Current delineation samples were analyzed for Pb, Hg and Se. Area A is delineated to the north by the Lakeside Avenue bridge and to the south by Areas B and C.

The western and eastern boundaries are delineated by the following borings/samples.

Boring ID	Top Depth of Sample(s) (feet)	Boundary
536-103	0, 1.5, 3, 5.5	west
536-37	0	west
536-38	0, 1.5, 3, 5.5	west
536-9	0	west
536-7	0, 1.5, 3	west
536-39	0	west
536N-277	1.5	west
536-106	0, 1, 3, 5, 6, 8, 9.5	east
536-14	0, 1.5, 3, 5.5	east
536N-273	0, 1.5	east
536-24	0, 1.5	east
523-111	0	east
536-12	0	east
536-17	0	east
536N-274	1.5	east
536-18	0	east

The following samples delineate the vertical or bottom boundary.

Boring ID	Top Depth of Sample(s) (feet)	Boundary
536N-36D	2.5	bottom
536-10	3	bottom
536-104	3	bottom
536-40	3	bottom

Delineation in Area A is complete.

6.2 DELTA UPLANDS AREA B

Area B consists of the area south of Area A to Pompton Lake, and west of the Acid Brook channel. Area C and the delta sediment removal area bound the area to the east and southeast. The western and northern boundaries were previously delineated; however, supplemental samples were collected to determine if they could be adjusted inward. Previous samples were analyzed for Ba, Cu, Pb, Hg, Se, and Zn). Current delineation samples were analyzed for Pb, Hg, and Se. COPCs in supplemental samples collected around borings 536-68 and 536-70 were still above the NJRDCSRS, so the western boundary was not adjusted (see Figure 6 and Appendix E). The northern boundary was not adjusted inward from 536-45 as selenium, was above the minimum criteria to the southeast. The northern boundary was adjusted inward from 536-48 to 536N-326 where lead is below the minimum criteria. The inland boundary is delineated by the following borings/samples.

Boring ID	Top Depth of Sample(s) (feet)	Boundary
536-347	0, 1.5	north
536N-326	0	north
536-83	0, 1.5	west
537-97	0, 1.5, 3, 5.5	west
536-98	0, 1.5, 3, 5.5	west
536-99	0, 1.5, 3, 5.5	west
536-71	0, 1.5, 3	south

Based on the vertical data, Area B has been subdivided into three areas. Area B1, the northern portion of Area B, soils are impacted in the surface (0-1 foot) only. Area B2, the area around 536-68, soil is impacted up to 6 feet. The remainder of Area B, particularly around 536-70, is below NJRDCSRS by 4 feet.

The following samples delineate the vertical or bottom boundary of Area B.

Boring ID	Top Depth of Sample (feet)	Boundary
536N-296D2	4	bottom
536N-282	4	bottom
536N-283	3	bottom
536N-284	3	bottom
536N-329	3	bottom
536N-290D2	4	bottom
536N-291D	4	bottom

Boring ID	Top Depth of Sample (feet)	Boundary
536N-292	3	bottom
536N-295	2	bottom
536N-294	3	bottom
536N-70D	4	bottom
536N-331	3	bottom
536N-297	1	bottom
536N-6D	0.5	bottom
536-68	6	bottom

Delineation in Area B is complete.

6.3 DELTA UPLANDS AREA C

Area C consist of the area south of Area A to Pompton Lake, and from the approximate western edge of the Acid Brook channel east to a boundary defined by existing clean boring 536-63 with supplemental proposed samples to refine the horizontal and vertical limits of this area. Previous samples were analyzed for Ba, Cu, Pb, Hg, Se, and Zn. Current delineation samples were analyzed for Pb, Hg, Se, and Cu.

Since this area is bounded to the east, south and west by the proposed sediment removal areas only the northern or uphill limit needed to be horizontally delineated. This boundary is delineated by the following borings/samples:

Boring ID	Top Depth of Sample(s) (feet)	Boundary
536-113	0	north/NW
536N-335	2,3	north
536N-348	0	north
536N-333	5	north
536N-305	0	north
536-67	0, 1.5, 3, 6	north

The following samples delineate the vertical or bottom boundary of Area C excluding the D1 and D1 subareas.

Boring ID	Top Depth of Sample (feet)	Boundary
536-41	5	bottom
536N-306	3	bottom
536-42	5	bottom
536-19D2	5	bottom
536-4	3	bottom
536-114	3	bottom
536N-321	5	bottom
536-88	5	bottom
536-44	5	bottom
536-314	4	bottom
536N-317	4	bottom
536N-316	5	bottom

Delineation in Area C is complete.

6.4 DELTA UPLANDS AREA D1 AND D2

Areas D1 and D2 consists of areas within Area C that, based on previous samples, showed a minimum depth of impacted soil of 5.5 feet bgs. Previous samples were analyzed for Ba, Cu, Pb, Hg, Se, and Zn. Currently delineation samples were analyzed for Pb, Hg, and Se.

D1 is the area around previous boring 536-32 which is located on the wooded slope. 536-32(5-5.5) is vertically delineated by 536N-302(8-8.5). Taking the elevation of the slope into account, horizontally, this area is delineated within the large C/D2 area.

D2 is the area around previous borings 536-1, 536-20, and 536-21. Current delineation samples indicate that the area with COPCs deeper than 5 feet was most of the eastern and southern half of Area C. The following samples delineate the vertical or bottom boundary of Area D2.

Boring ID	Top Depth of Sample (feet)	Boundary
536N-20D2	6	bottom
536N-310	6	bottom
536N-21D2	7	bottom
536N-118D2	7	bottom
536N-35D2	7	bottom
536N-315	7	bottom

Delineation in Areas D1 and D2 are complete.

6.5 DELTA UPLANDS AREAS E1 THROUGH E7

Areas E1 through E7 are isolated exceedances outside of Areas A, B, and C for which delineation sampling was conducted.

6.5.1 Delta Uplands Area E1

Area E1 is located east of Area A and SW of Rotary Park and north of Area C. Previous samples were analyzed for Ba, Cu, Pb, Hg, Se, and Zn. Current delineation samples were analyzed for Pb (lead). Lead was detected above the established screening levels in previous samples 536-25(0-0.5) and 536-26(3-3.5). 536-25(0-0.5) is horizontally delineated by 536N-235(0-0.5), 536N-328(0-0.5), and 536-112(0-0.5). 536-25(0-0.5) is vertically delineated by 536N-349(1-1.5). 536-26(3-3.5) is horizontally delineated by 536N-239(3-3.5), 536N-240(3-3.5), 536N-241(3-3.5), and 536N-351(3-3.5). 536-26(3-3.5) is vertically delineated by 536N-350(4-4.5).

Delineation in Area E1 is complete.

6.5.2 Delta Uplands Area E2

Area E2 is located east of Area E1, south of Rotary Park and north of Area D1. Previous samples were analyzed for Ba, Cu, Pb, Hg, Se, and Zn. Current delineation samples were analyzed for Pb. Lead was detected above the established screening levels in previous sample 536-31(1.5-2). This is horizontally delineated by 536N-242(1.5-2), 536N-243(1.5-2), 536N-244(1.5-2), and 536N-245(1.5-2), and vertically delineated by 536N-31D(2-2.5).

Delineation in Area E2 is complete.

6.5.3 Delta Uplands Area E3

Area E3 is east of Area E2 and just south of one of the Lakeside removal areas and north of the shoreline. Previous samples were analyzed for Ba, Cu, Pb, Hg, Se, and Zn. Current delineation samples were analyzed for Pb. Lead was above in previous sample 536-80(0-0.5). This is horizontally delineated by 536N-247(0-0.5), 536N-248(0-0.5), 536N-249(0-0.5), and the Lakeside removal boundary to the northwest. 536N-80D(1-1.5) vertically delineates the area.

Delineation in Area E3 is complete.

6.5.4 Delta Uplands Area E4

Area E4 is east of Area E3 and just southeast of one of the Lakeside removal areas and north of the shoreline. Previous samples were analyzed for Ba, Cu, Pb, Hg, Se, and Zn. Current delineation samples were analyzed for Pb and Hg. Lead and mercury were above in 536-64(6-6.5). The COPCs are horizontally delineated by 536N-253(6-6.5), 536N-250(6-6.5), 536N-251(6-6.5), and 536N-357 (6-6.5), and vertically delineated by 536N-356(7-7.5).

Delineation in Area E4 is complete.

6.5.5 Delta Uplands Area E5

Area E5 is east of Area E4 and between Lakeside Avenue and the lake. Previous samples were analyzed for Ba, Cu, Pb, Hg, Se and Zn. Current delineation samples were analyzed for Pb. Lead was above in previous sample 536-60(5-5.5). The COPC is horizontally delineated by 536N-257(5-5.5), 536N-254(5-5.5), 536N-255(5-5.5), and the lake to the south, and vertically delineated by 536-60(6-6.5).

Delineation in Area E6 is complete.

6.5.6 Delta Uplands Area E6

Area E6 is east of Area E5 and between Lakeside Avenue and the lake. Previous samples were analyzed for Ba, Cu, Pb, Hg, Se, and Zn. Current delineation samples were analyzed for Pb. Lead was above in previous sample 536-58(3-3.5). The COPC is horizontally delineated by 536N-258(3-3.5), 536N-259(3-3.5), 536N-260(3-3.5), and 536N-261(3-3.5), and vertically delineated by 536N-58D(3.5-4).

Delineation in Area E6 is complete.

6.5.7 Delta Uplands Area E7

Area E7 is west of Acid Brook Area A and north of Area B. Previous samples were analyzed for Ba, Cu, Pb, Hg, Se, and Zn. Current delineation samples were analyzed for Hg. Mercury was above in previous sample 536-50(0-0.5). The COPC is horizontally delineated by 536N-262(0.0.5), 536N-264(0.0.5), 536N-265(0.0.5), and 536N-325(0.0.5), and vertically delineated by 536N-50D(0.5-1).

Delineation in Area E7 is complete.

6.6 SHORELINE

In May 2010, the Phase 1 surface (0-0.5 foot) samples were collected from 32 of the 40 properties along the western shore of Pompton Lake south of the delta uplands and north of the dam. The remaining eight properties were not sampled because access was not granted. The laboratory results are presented in Table 7 and Figure 7.

Samples were collected from the lowest elevation within the floodplain and analyzed for lead and mercury and the results compared to the NJRDCSRS. All mercury results were well below the NJRDCSRS of 23 mg/kg. Thirty of the lead results were below the NJRDCSRS of 400 mg/kg, while the remaining two results were 511 mg/kg (Block 6700, Lot 13) and 656 mg/kg (Block 6702, Lot 79).

Evaluation of the data indicates that the surface soils adjacent to the lake shoreline have not been impacted by Acid Brook Delta sediment. Mercury concentrations in all samples were very low (ranging from and estimated 0.304 to 1.97 mg/kg) in comparison to those detected in the delta sediment and were well below the NJRDCSRS of 23 mg/kg. For lead, only two of the 32 samples had concentrations (511 mg/kg and 656 mg/kg) that exceeded the NJRDCSRS of 400 mg/kg. It should be noted (as shown on Figure 1) these two sampling locations (Block 6700, Lot 13 and Block 6702, Lot 79) are approximately 2,000 feet apart from each other at similar elevations.

7.0 CONCLUSIONS AND RECOMMENDATIONS

A remedial investigation was completed for the Acid Brook Delta Uplands to complete the delineation of site-specific metals within the surface and subsurface soil. Existing soil data was used to focus the delineation sampling. The delta uplands was divided into five areas (Areas A through E) to delineate the vertical and horizontal extent of COCs in soil to the established soil screening criteria. Following implementation of the approved RIWP, delineation of all areas was completed.

Soil sampling within the floodplain was also conducted to determine whether or not historic flooding may have deposited sediments containing site-related metals onto the shoreline properties. A floodplain analysis was completed to determine the low lying areas near the lake. Samples were then collected and analyzed for lead and mercury for characterization purposes in accordance with the approved work plan. The results of the shoreline sampling indicated that the surface soils have not been impacted by Acid Brook Delta sediment during flooding events.

Remedial actions for the Upland Areas will be determined and completed as part of the corrective measures established for the comprehensive Pompton Lake delta area. For the shoreline properties, no additional investigation is warranted as part of the RI process.

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TABLES

Table 1
 Criteria Selected for Horizontal Delineation of Soils: 0 to 0.5 Feet
 Delta Uplands
 DuPont Pompton Lakes Works

Metal	NJRDCSRS (mg/kg dry weight)	Ecological Soil Delineation Criteria (mg/kg dry weight)	Minimum Criteria Selected for Horizontal Delineation (mg/kg dry weight)
Copper	3,100	1,100	1,100
Lead	400	892	400
Inorganic mercury	23	20.5	20.5
Selenium	390	5.05	5.05
Zinc	23,000	1,507	1,507

Table 2
Shoreline Sample Status
Pompton Lake Shoreline
DuPont Pompton Lakes Works

Township	Block	Lot	Parcel Address (counter clockwise around lake from Acid Brook)	Parcel Land Use	Area of Parcel within DFIRM (acres)	Total Area of Parcel (acres)	% of Parcel in DFIRM	Approximate Elevation to Target (feet NAVD 88)	Proposed Boring ID	Proposed Sample Depth (feet)	Proposed Analytes	Sample Status
Pompton Lakes	6600	5	Lakeside Ave	urban parkland	1.643	8.392	19.58%	201	NA: Delta Uplands		NA	
Pompton Lakes	6700	11	340 Lenox Ave	residential	0.083	0.987	8.41%	201	6700-11-1	0-0.5	Hg, Pb	18-May-10
Pompton Lakes	6700	12	325 Pompton Ave	residential	0.061	1.123	5.43%	201	6700-12-1	0-0.5	Hg, Pb	18-May-10
Pompton Lakes	6700	12.01	329 Pompton Ave	residential	0.011	0.446	2.47%	201	6700-12.01-1	0-0.5	Hg, Pb	18-May-10
Pompton Lakes	6700	13	333 Pompton Ave	residential	0.059	0.503	11.73%	201	6700-13-1	0-0.5	Hg, Pb	18-May-10
Pompton Lakes	6700	13.01	339 Pompton Ave	residential	0.041	0.427	9.60%	201	6700-13.01-1	0-0.5	Hg, Pb	declined access
Pompton Lakes	6700	14	345 Pompton Ave	residential	0.361	1.094	33.00%	201	6700-14-1	0-0.5	Hg, Pb	18-May-10
Pompton Lakes	6700	15	355 Pompton Ave	residential	0.043	0.113	38.05%	201	6700-15-1	0-0.5	Hg, Pb	18-May-10
Pompton Lakes	6700	15.01	Pompton Ave	residential	0.0003	0.042	0.71%	201	6700-15.01-1	0-0.5	Hg, Pb	18-May-10
Pompton Lakes	6700	15.02	Pompton Ave	residential	NA ?	NA ?	NA ?	201	6700-15.02-1	0-0.5	Hg, Pb	no response, visited and no dwelling
Pompton Lakes	6700	15.03	Pompton Ave	residential	0.003	0.014	21.43%	201	6700-15.03-1	0-0.5	Hg, Pb	letter returned, visited and no dwelling
Pompton Lakes	6702	205	86 Glen Ct	residential	0.151	0.468	32.26%	201	6702-205-1	0-0.5	Hg, Pb	18-May-10
Pompton Lakes	6702	204	80 Glen Ct	residential	0.136	0.363	37.47%	201	6702-204-1	0-0.5	Hg, Pb	no response, visited and no one home
Pompton Lakes	6702	203	38 Glen Ct	residential	0.171	0.4	42.75%	201	6702-203-1	0-0.5	Hg, Pb	letter returned, visited and no one home
Pompton Lakes	6702	202	28 Glen Ct	residential	0.286	0.368	77.72%	201	6702-202-1	0-0.5	Hg, Pb	18-May-10
Pompton Lakes	6702	201	22 Glen Ct	residential	0.162	0.463	34.99%	201	6702-201-1	0-0.5	Hg, Pb	18-May-10
Pompton Lakes	6702	200	14 Glen Ct	residential	0.03	0.564	5.32%	201	6702-200-1	0-0.5	Hg, Pb	18-May-10
Pompton Lakes	6702	73	147 Summit Ave	residential	0.028	0.912	3.07%	201	6702-73-1	0-0.5	Hg, Pb	18-May-10
Pompton Lakes	6702	74	151 Summit Ave	residential	0.016	0.53	3.02%	201	6702-74-1	0-0.5	Hg, Pb	18-May-10
Pompton Lakes	6702	75	155 Summit Ave	residential	0.03	0.527	5.69%	201	6702-75-1	0-0.5	Hg, Pb	24-May-10
Pompton Lakes	6702	76	163 Summit Ave	residential	0.027	0.513	5.26%	201	6702-76-1	0-0.5	Hg, Pb	18-May-10
Pompton Lakes	6702	77	171 Summit Ave	residential	0.042	0.478	8.79%	201	6702-77-1	0-0.5	Hg, Pb	18-May-10
Pompton Lakes	6702	78	177 Summit Ave	residential	0.092	0.485	18.97%	201	6702-78-1	0-0.5	Hg, Pb	18-May-10
Pompton Lakes	6702	79	185 Summit Ave	residential	0.108	0.571	18.91%	201	6702-79-1	0-0.5	Hg, Pb	18-May-10
Pompton Lakes	6702	80	191 Summit Ave	residential	0.204	0.599	34.06%	201	6702-80-1	0-0.5	Hg, Pb	18-May-10
Pompton Lakes	6702	81	197 Summit Ave	residential	0.342	0.768	44.53%	201	6702-81-1	0-0.5	Hg, Pb	18-May-10
Pompton Lakes	6702	82	205 Summit Ave	residential	0.249	0.6	41.50%	201	6702-82-1	0-0.5	Hg, Pb	18-May-10
Pompton Lakes	6702	83	215 Summit Ave	residential	0.339	0.596	56.88%	201	6702-83-1	0-0.5	Hg, Pb	18-May-10
Pompton Lakes	6702	84	225 Summit Ave	residential	0.273	0.531	51.41%	201	6702-84-1	0-0.5	Hg, Pb	no response, visited and no one home
Pompton Lakes	6702	85	233 Summit Ave	residential	0.187	0.581	32.19%	201	6702-85-1	0-0.5	Hg, Pb	18-May-10
Pompton Lakes	6702	86	158 Hilltop Ct	residential	0.107	0.767	13.95%	201	6702-86-1	0-0.5	Hg, Pb	18-May-10
Pompton Lakes	6702	87	150 Hemlock Rd	residential	0.059	0.716	8.24%	201	6702-87-1	0-0.5	Hg, Pb	18-May-10
Pompton Lakes			Island	borough				201	island-1	0-0.5	Hg, Pb	20-May-10
Pompton Lakes	6706	7	140 Hemlock Rd	residential	0.04	0.641	6.24%	201	6706-7-1	0-0.5	Hg, Pb	20-May-10
Pompton Lakes	6706	6.01	132 Hemlock Rd	residential	0.007	0.374	1.87%	201	6706-6.01-1	0-0.5	Hg, Pb	18-May-10
Pompton Lakes	6706	6	128 Hemlock Rd	residential	0.018	0.458	3.93%	201	6706-6-1	0-0.5	Hg, Pb	18-May-10
Pompton Lakes	6706	4	114 Hemlock Rd	residential	0.06	0.608	9.87%	201	6706-4-1	0-0.5	Hg, Pb	18-May-10
Pompton Lakes	6706	3	104 Hemlock Rd	residential	0.006	0.289	2.08%	201	6706-3-1	0-0.5	Hg, Pb	18-May-10
Pompton Lakes	6706	2	96 Hemlock Rd	residential	0.009	0.308	2.92%	201	6706-2-1	0-0.5	Hg, Pb	18-May-10
Pompton Lakes	6706	1	84 Hemlock Rd	residential	0.025	0.336	7.44%	201	6706-1-1	0-0.5	Hg, Pb	no response, visited but gated
Pompton Lakes	6707	1.01	Hemlock Rd	North Jersey Water Supply Commission	0.161	0.175	92.00%	201	6707-1.01-1	0-0.5	Hg, Pb	letter returned, resent and no response

NOTES:
1. DFIRM = Digital Flood Insurance Rate Map, provided by FEMA effective 9/28/07
2. Parcels provided by NJ Highlands Commission and Township of Wayne
3. Elevation of Pompton Lake 200.1 feet NAVD-88 at time of aerial survey December 28, 2007

Table 3
Sample Methods, Containers, Hold Times and Quality Assurance
Delta Uplands and Pompton Lake Shoreline
DuPont Pompton Lakes Works

Parameter	Copper	Lead	Mercury	Selenium
Matrix	soil	soil	soil	soil
Analytical Method	6010B	6010B	7471A	6010B
Sample Container	300 ml glass jar	300 ml glass jar	300 ml glass jar	300 ml glass jar
Preservative	none	none	none	none
Preservations	Cool, 4°C	Cool, 4°C	Cool, 4°C	Cool, 4°C
Holding Time	6 months	6 months	28 days	6 months
Minimum Criteria for Delineation (mg/kg)	1100	400	20.5	5.05
Method Detection Limit (mg/kg)	0.2	0.591	0.012	0.979
Practical Quantitation Limit (mg/kg)	1	1.5	0.1	2
Required Precision (Maximum Relative % Difference)	35	35	35	35
Required Accuracy (Relative % Recovery)	70-130	70-130	70-130	70-130
Quality Assurance Samples:	1. Matrix Spike /Matrix Spike Duplicate: 1 per 20 samples 2. Field Duplicate: 1 per 20 samples 3. Equipment Blank: 1 per 20 samples			

Table 4
Summary of Quality Assurance/Quality Control Analytical Results
Acid Brook Delta Uplands and Shoreline

Location		536N-EQBLK1	536N-EQBLK2	536N-EQBLK3	536N-EQBLK4	536N-EQBLK5	536N-EQBLK6	536N-EQBLK7	536N-EQBLK8	536N-EQBLK9
Sample ID		POM-K-536-EQBLK1	POM-K-536-EQBLK2	POM-K-536-EQBLK3	POM-K-536-EQBLK4	POM-K-536-EQBLK5	POM-K-536-EQBLK6	POM-K-536-EQBLK7	POM-K-536-EQBLK8	POM-K-536-EQBLK9
Lab ID		5854118	5854119	5856186	5856187	5861131	5861132	5861133	5863236	5867689
Date		1-Dec-09	2-Dec-09	3-Dec-09	4-Dec-09	7-Dec-09	8-Dec-09	9-Dec-09	10-Dec-09	14-Dec-09
Field Medium		Blank Water	Blank Water	Blank Water	Blank Water	Blank Water	Blank Water	Blank Water	Blank Water	Blank Water
Analyte	Units									
COPPER	UG/L							ND (2.7)		
LEAD	UG/L	ND (6.9)	ND (6.9)	ND (6.9)	ND (6.9)	ND (6.9)	ND (6.9)	ND (6.9)	ND (6.9)	ND (6.9)
MERCURY	UG/L	ND (0.056)	ND (0.056)	ND (0.056)	ND (0.056)	ND (0.056)	ND (0.056)	ND (0.056)	0.074 J	ND (0.056)
SELENIUM	UG/L	ND (8.9)	ND (8.9)	ND (8.9)	ND (8.9)					

ND () = Non detect at stated reporting limit
J = estimated value

Table 4
Summary of Quality Assurance/Quality Control Analytical Results
Acid Brook Delta Uplands and Shoreline

Location		536N-EQBLK10	536N-EQBLK11	536N-EQBLK12	536N-EQBLK13	536N-EQBLK14	536N-EQBLK15	536N-EQBLK18	536-356-FBLK
Sample ID		POM-K-536-EQBLK10	POM-K-536-EQBLK11	POM-K-536-EQBLK12	POM-K-536-EQBLK13	POM-K-536-EQBLK14	POM-K-536-EQBLK15	POM-K-536-EQBLK18	POM-K-536-356-FBLK
Lab ID		5867690	5867691	5869356	5869357	5872575	5872576	5879774	5990724
Date		15-Dec-09	16-Dec-09	17-Dec-09	18-Dec-09	21-Dec-09	22-Dec-09	7-Jan-10	26-May-10
Field Medium		Blank Water	Blank Water	Blank Water	Blank Water	Blank Water	Blank Water	Blank Water	Blank Water
Analyte	Units								
COPPER	UG/L								
LEAD	UG/L	ND (6.9)	ND (6.9)	ND (6.9)	ND (6.9)	ND (6.9)	ND (6.9)	ND (6.9)	[ND (6.9)]
MERCURY	UG/L		ND (0.056)	ND (0.056)	ND (0.056)	ND (0.056)	ND (0.056)	ND (0.056)	ND (0.056)
SELENIUM	UG/L	ND (8.9)					ND (8.9)		

ND () = Non detect at stated reporting limit
J = estimated value

Table 5
Summary of Analytical Results 1990 to 1996
Acid Brook Delta Uplands

Location (Boring ID)				536-1	536-1	536-1	536-1	536-2	536-3	536-4	536-4	536-4	536-5	536-5
Top (ft)				0	0	1.5	3	0	0	0	1.5	3	0	1.5
Bottom (ft)				0.5	0.5	2	3.5	0.5	0.5	0.5	2	3.5	0.5	2
Sample ID				536-1-01	536-1-0	536-1-18	536-1-36	536-2-0	536-3-0	536-4-0	536-4-18	536-4-36	536-5-0	536-5-18
Lab ID				8129	8129	8101	8129	8129	8129	8129	8129	8129	8129	8129
Date				6/4/90	6/4/90	6/4/90	6/4/90	6/4/90	6/4/90	6/4/90	6/4/90	6/4/90	6/4/90	6/4/90
Field Medium				Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Analyte	Units	Surface (0-0.5 Foot) Criteria	Subsurface (>0.5 foot) NJ RDC SRS	DUP										
BARIUM	MG/KG	16000	16000	115	117	257	42	35.6	34	45.8	233	48.6	58.9	122
COPPER	MG/KG	1100	3100	785	842	2790	288	24.9	19	296	2640	41	398	1620
LEAD	MG/KG	400	400	909	912	1470	287	131	48.8	271	1310	40.4	396	734
MERCURY	MG/KG	20.5	23	91.8	87.4	106	61.9	0.22	0.12	24	241	8.1	34.5	131
SELENIUM	MG/KG	5.05	390	44.7	28.7	26.5	3.8	ND (1.1)	ND (0.53)	8.9	91.2	1.6	6.2	35.4
ZINC	MG/KG	1507	23000	226	243	262	84.3	83.5	50	99.1	184	36	110	154

Exceedances in bold
ND () = Non detect at stated reporting limit
J = estimated value

Table 5
Summary of Analytical Results 1990 to 1996
Acid Brook Delta Uplands

Location (Boring ID)				536-5	536-6	536-7	536-7	536-7	536-8	536-9	536-10	536-10	536-10	536-11
Top (ft)				3	0	0	1.5	3	0	0	0	1.5	3	0
Bottom (ft)				3.5	0.5	0.5	2	3.5	0.5	0.5	0.5	2	3.5	0.5
Sample ID				536-5-36	536-6-0	536-7-0	536-7-18	536-7-36	536-8-0	536-9-0	536-10-0	536-10-18	536-10-36	536-11-01
Lab ID				8129	8129	8129	8129	8129	8114	8129	8132	8087	8132	8132
Date				6/4/90	6/4/90	6/4/90	6/4/90	6/4/90	6/4/90	6/4/90	6/5/90	6/5/90	6/5/90	6/5/90
Field Medium				Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Analyte	Units	Surface (0-0.5 Foot) Criteria	Subsurface (>0.5 foot) NJ RDC SRS											DUP
BARIUM	MG/KG	16000	16000	49.1	53	39.7	30.8	19.8	40.5	45.9	34.7	58.8	27.4	52.6
COPPER	MG/KG	1100	3100	254	200	31.5	29.2	13.5	17.7	70.6	228	449	186	34
LEAD	MG/KG	400	400	155	988	17.6	16.4	9.4	58	95.1	263	338	101	174
MERCURY	MG/KG	20.5	23	75.6	19.8	0.7	0.61	0.45	1.5	9.8	24.1	34.3	11.3	0.41
SELENIUM	MG/KG	5.05	390	3.7	10.3	ND (1.1)	ND (0.55)	ND (0.57)	ND (0.57)	2.1	5.6	7	2.2	ND (1.1)
ZINC	MG/KG	1507	23000	63.1	93.5	38.1	30.9	18	50.5	81.7	61.8	95.7	34.6	77

Exceedances in bold
ND () = Non detect at stated reporting limit
J = estimated value

Table 5
Summary of Analytical Results 1990 to 1996
Acid Brook Delta Uplands

Location (Boring ID)				536-11	536-12	536-14	536-14	536-14	536-14	536-15	536-16	536-17	536-18	536-18
Top (ft)				0	0	0	1.5	3	5	0	0	0	0	0
Bottom (ft)				0.5	0.5	0.5	2	3.5	5.5	0.5	0.5	0.5	0.5	0.5
Sample ID				536-11-0	536-12-0	536-14-0	536-14-18	536-14-36	536-14-60	536-15-0	536-16-0	536-17-0	536-18-0DUP	536-18-0
Lab ID				8132	8132	9524	9520	9524	9524	9524	9524	9524	009524D	9520
Date				6/5/90	6/5/90	9/7/90	9/7/90	9/7/90	9/7/90	9/7/90	9/7/90	9/7/90	9/7/90	9/7/90
Field Medium				Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Analyte	Units	Surface (0-0.5 Foot) Criteria	Subsurface (>0.5 foot) NJ RDC SRS										DUP	
BARIUM	MG/KG	16000	16000	43.6	35.5	36.9	35.1	48.6	19.5	42.4	38.8	33.5	32.6	32.4
COPPER	MG/KG	1100	3100	29.3	19.5	88.6	43.1	123	154	317	38.2	33.9	61.3	67.3
LEAD	MG/KG	400	400	120	80.3	118	56.2	74.3	68.2	388	72	75.7	110	113
MERCURY	MG/KG	20.5	23	0.53	0.17	8	1.9	3.4	6.2	25.7	1	0.82	7.1	9.6
SELENIUM	MG/KG	5.05	390	ND (1.1)	ND (1.1)	2.7	ND (1.1)	2	2.9	4.3	ND (1.1)	1.2	1.6	1.8
ZINC	MG/KG	1507	23000	57.8	67.4	52.6	36.1	40.7	31.9	76.9	54.7	55.7	73.3	81.2

Exceedances in bold
ND () = Non detect at stated reporting limit
J = estimated value

Table 5
Summary of Analytical Results 1990 to 1996
Acid Brook Delta Uplands

Location (Boring ID)				536-19	536-20	536-20	536-20	536-20	536-21	536-21	536-21	536-21	536-22	536-24
Top (ft)				0	0	1.5	3	5	0	1.5	3	5	0	0
Bottom (ft)				0.5	0.5	2	3.5	5.5	0.5	2	3.5	5.5	0.5	0.5
Sample ID				536-19-0	536-20-0	536-20-18	536-20-36	536-20-60	536-21-0	536-21-18	536-21-36	536-21-60	536-22-0	536-24-0
Lab ID				9524	9524	9524	9524	9524	9524	9524	9524	9524	9520	9524
Date				9/7/90	9/7/90	9/7/90	9/7/90	9/7/90	9/7/90	9/7/90	9/7/90	9/7/90	9/7/90	9/7/90
Field Medium				Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Analyte	Units	Surface (0-0.5 Foot) Criteria	Subsurface (>0.5 foot) NJ RDC SRS											
BARIUM	MG/KG	16000	16000	84	101	61.7	51.1	141	83.9	49	53.8	34.1	47.5	38.1
COPPER	MG/KG	1100	3100	386	585	470	196	2450	535	248	580	212	24	25.9
LEAD	MG/KG	400	400	418	876	469	105	1120	529	160	194	102	74	209
MERCURY	MG/KG	20.5	23	11.1	9.9	11.3	2.7	ND (3150)	5.9	4	5.1	29.9	0.71	0.47
SELENIUM	MG/KG	5.05	390	10.4	35	20.3	1.5	7.3	8.7	4.1	3.5	2.3	ND (1.1)	ND (1.1)
ZINC	MG/KG	1507	23000	142	194	161	49.3	449	183	48.7	43.4	33.9	59.2	106

Exceedances in bold
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J = estimated value

Table 5
Summary of Analytical Results 1990 to 1996
Acid Brook Delta Uplands

Location (Boring ID)				536-25	536-25	536-26	536-26	536-26	536-26	536-26	536-27	536-27	536-28	536-29
Top (ft)				0	1.5	0	1.5	3	3	5	0	1.5	0	0
Bottom (ft)				0.5	2	0.5	2	3.5	3.5	5.5	0.5	2	0.5	0.5
Sample ID				536-25-0	536-25-18	536-26-0	536-26-18	536-26-36DUP	536-26-36	536-26-60	536-27-0	536-27-18	536-28-0	536-29-0
Lab ID				9524	9524	9524	9524	9524	9524	9520	9524	9524	9524	9524
Date				9/7/90	9/7/90	9/7/90	9/7/90	9/7/90	9/7/90	9/7/90	9/7/90	9/7/90	9/7/90	9/7/90
Field Medium				Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Analyte	Units	Surface (0-0.5 Foot) Criteria	Subsurface (>0.5 foot) NJ RDC SRS					DUP						
BARIUM	MG/KG	16000	16000	47.7	39.5	40.3	24.7	66	72.4	29.3	30.4	40.6	36.1	54.3
COPPER	MG/KG	1100	3100	33.8	18.4	27.1	13	43.4	40.9	23.2	30.4	21.2	25.5	26.6
LEAD	MG/KG	400	400	482	69.2	339	60.3	414	143	98.3	255	51.2	318	201
MERCURY	MG/KG	20.5	23	0.26	0.22	0.31	0.15	0.32	ND (0.11)	ND (0.11)	0.29	ND (0.12)	0.4	1.1
SELENIUM	MG/KG	5.05	390	ND (1.1)	ND (1.1)	ND (0.6)	ND (0.53)	ND (2.4)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (2.4)
ZINC	MG/KG	1507	23000	107	50.2	105	32.6	127	63.4	57.9	74.2	45.2	87.6	84

Exceedances in bold
ND () = Non detect at stated reporting limit
J = estimated value

Table 5
Summary of Analytical Results 1990 to 1996
Acid Brook Delta Uplands

Location (Boring ID)				536-29	536-29	536-29	536-30	536-30	536-30	536-30	536-31	536-31	536-31	536-31
Top (ft)				1.5	3	5	0	1.5	3	5	0	0	1.5	3
Bottom (ft)				2	3.5	5.5	0.5	2	3.5	5.5	0.5	0.5	2	3.5
Sample ID				536-29-18	536-29-36	536-29-60	536-30-0	536-30-18	536-30-36	536-30-60	536-31-0DUP	536-31-0	536-31-18	536-31-36
Lab ID				9520	9524	9524	9524	9524	9524	9524	9524	9524	9524	9524
Date				9/7/90	9/7/90	9/7/90	9/7/90	9/7/90	9/7/90	9/7/90	9/7/90	9/7/90	9/7/90	9/7/90
Field Medium				Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Analyte	Units	Surface (0-0.5 Foot) Criteria	Subsurface (>0.5 foot) NJ RDC SRS								DUP			
BARIUM	MG/KG	16000	16000	34.7	44.5	41.6	40.3	43.5	18.8	37.5	35.5	42.4	117	29.4
COPPER	MG/KG	1100	3100	36	29.3	12.6	24.3	16	17.8	29.4	19.9	28	58.3	31.1
LEAD	MG/KG	400	400	227	56	14.7	224	43.2	9.3	328	113	159	1480	310
MERCURY	MG/KG	20.5	23	0.21	ND (0.12)	ND (0.12)	0.88	0.15	ND (0.11)	ND (0.11)	0.81	0.21	0.78	0.35
SELENIUM	MG/KG	5.05	390	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (2.1)	ND (1.1)	ND (1.1)	ND (1.2)	ND (1.1)	ND (1)
ZINC	MG/KG	1507	23000	377	51.7	31.3	96.4	55.2	28.4	108	62.6	113	368	92.3

Exceedances in bold
ND () = Non detect at stated reporting limit
J = estimated value

Table 5
Summary of Analytical Results 1990 to 1996
Acid Brook Delta Uplands

Location (Boring ID)				536-31	536-32	536-32	536-32	536-32	536-33	536-34	536-35	536-36	536-36	536-37
Top (ft)				5	0	1.5	3	5	0	0	0	0	1.5	0
Bottom (ft)				5.5	0.5	2	3.5	5.5	0.5	0.5	0.5	0.5	2	0.5
Sample ID				536-31-60	536-32-0	536-32-18	536-32-36	536-32-60	536-33-0	536-34-0	536-35-0	536-36-0	536-36-18	536-37-0
Lab ID				9524	9524	9524	9524	9524	9524	9524	9520	9639	9639	9639
Date				9/7/90	9/7/90	9/7/90	9/7/90	9/7/90	9/7/90	9/7/90	9/7/90	9/13/90	9/13/90	9/13/90
Field Medium				Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Analyte	Units	Surface (0-0.5 Foot) Criteria	Subsurface (>0.5 foot) NJ RDC SRS											
BARIUM	MG/KG	16000	16000	41.8	94	40.5	33.3	73.1	89.2	76.7	151	35.4	42.8	31.7
COPPER	MG/KG	1100	3100	30.7	565	447	267	180	557	604	1640	52.2	83	16.5
LEAD	MG/KG	400	400	141	581	299	260	223	430	534	1230	85.3	90	26
MERCURY	MG/KG	20.5	23	0.4	11	0.45	2.3	38.5	6.8	49.3	132	23.9	27.6	0.33
SELENIUM	MG/KG	5.05	390	ND (1.1)	18.2	23.5	ND (1.3)	3.2	6.7	14.2	35.3	ND (1)	1.1	ND (1)
ZINC	MG/KG	1507	23000	64.1	185	110	53	86.2	214	197	481	52.7	65.1	51.1

Exceedances in bold
ND () = Non detect at stated reporting limit
J = estimated value

Table 5
Summary of Analytical Results 1990 to 1996
Acid Brook Delta Uplands

Location (Boring ID)				536-38	536-38	536-38	536-38	536-39	536-40	536-40	536-40	536-40	536-41	536-41
Top (ft)				0	1.5	3	5	0	0	1.5	3	5	0	1.5
Bottom (ft)				0.5	2	3.5	5.5	0.5	0.5	2	3.5	5.5	0.5	2
Sample ID				536-38-0	536-38-18	536-38-36	536-38-60	536-39-0	536-40-0	536-40-18	536-40-36	536-40-60	536-41-0	536-41-18
Lab ID				9605	9605	9605	9605	9605	9605	9605	9605	9605	9605	9605
Date				9/12/90	9/12/90	9/12/90	9/12/90	9/12/90	9/12/90	9/12/90	9/12/90	9/12/90	9/12/90	9/12/90
Field Medium				Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Analyte	Units	Surface (0-0.5 Foot) Criteria	Subsurface (>0.5 foot) NJ RDC SRS											
BARIUM	MG/KG	16000	16000	49.2	36	39.4	36.8	29.1	123	88.1	29.2	17.1	43.6	204
COPPER	MG/KG	1100	3100	19.5	14.6	14.7	10.1	17.1	999	501	11.2	7.6	281	2110
LEAD	MG/KG	400	400	14.8	21.9	15.3	8.5	31.4	1130	590	8	ND (5.9)	280	1380
MERCURY	MG/KG	20.5	23	1	0.66	ND (0.14)	ND (0.15)	0.83	75.4	63.1	ND (0.12)	0.45	32.2	107
SELENIUM	MG/KG	5.05	390	ND (1.1)	ND (1.2)	ND (1.3)	ND (1.3)	ND (1.1)	18.3	8.9	ND (1.1)	ND (1.2)	6.7	59.4
ZINC	MG/KG	1507	23000	42.5	44.4	42.4	29.2	34.7	209	108	22.2	10.9	93.5	147

Exceedances in bold
ND () = Non detect at stated reporting limit
J = estimated value

Table 5
Summary of Analytical Results 1990 to 1996
Acid Brook Delta Uplands

Location (Boring ID)				536-41	536-41	536-42	536-42	536-42	536-42	536-42	536-43	536-43	536-43	536-43
Top (ft)				3	5	0	0	1.5	3	5	0	1.5	3	5
Bottom (ft)				3.5	5.5	0.5	0.5	2	3.5	5.5	0.5	2	3.5	5.5
Sample ID				536-41-36	536-41-60	536-42-0DUP	536-42-0	536-42-18	536-42-36	536-42-60	536-43-0	536-43-18	536-43-36	536-43-60
Lab ID				9605	9601	9605	9605	9605	9605	9605	9605	9601	9605	9605
Date				9/12/90	9/12/90	9/12/90	9/12/90	9/12/90	9/12/90	9/12/90	9/12/90	9/12/90	9/12/90	9/12/90
Field Medium				Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Analyte	Units	Surface (0-0.5 Foot) Criteria	Subsurface (>0.5 foot) NJ RDC SRS			DUP								
BARIUM	MG/KG	16000	16000	55.1	44.9	87.9	81.9	46.9	50.3	36.2	81.8	24.4	46.5	41.7
COPPER	MG/KG	1100	3100	145	21.3	643	596	263	496	55.6	593	139	317	302
LEAD	MG/KG	400	400	237	10.7	679	644	119	331	32.1	586	69.2	110	220
MERCURY	MG/KG	20.5	23	35.6	0.56	78.2	41.8	12.9	34.6	0.6	38.5	4.8	1.5	8.2
SELENIUM	MG/KG	5.05	390	ND (1.7)	ND (1.3)	19.3	16.7	4.9	2	1.8	13.8	ND (1.2)	1.5	1.4
ZINC	MG/KG	1507	23000	60.3	41.3	193	180	60.6	62.7	27.9	191	36.7	69.4	90.2

Exceedances in bold
ND () = Non detect at stated reporting limit
J = estimated value

Table 5
Summary of Analytical Results 1990 to 1996
Acid Brook Delta Uplands

Location (Boring ID)				536-44	536-44	536-44	536-45	536-45	536-45	536-46	536-46	536-46	536-46	536-47
Top (ft)				0	1.5	5	0	0	1.5	0	1.5	3	5	0
Bottom (ft)				0.5	2	5.5	0.5	0.5	2	0.5	2	3.5	5.5	0.5
Sample ID				536-44-0	536-44-18	536-44-60	536-45-0DUP	536-45-0	536-45-18	536-46-0	536-46-18	536-46-36	536-46-60	536-47-0
Lab ID				9605	9605	9605	9605	9605	9601	9605	9605	9605	9605	9605
Date				9/12/90	9/12/90	9/12/90	9/12/90	9/12/90	9/12/90	9/12/90	9/12/90	9/12/90	9/12/90	9/12/90
Field Medium				Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Analyte	Units	Surface (0-0.5 Foot) Criteria	Subsurface (>0.5 foot) NJ RDC SRS				DUP							
BARIUM	MG/KG	16000	16000	123	35.8	33.9	37	34.4	27.5	85.9	68.3	16.3	26.5	44.2
COPPER	MG/KG	1100	3100	951	385	162	33.2	34.2	11.8	31.7	12.2	8.1	12.5	19.8
LEAD	MG/KG	400	400	893	109	93.1	148	149	9.2	940	135	ND (6.8)	12.9	103
MERCURY	MG/KG	20.5	23	76.6	10.3	11.8	2.2	1.7	ND (0.13)	1.2	ND (0.14)	ND (0.15)	ND (0.13)	0.9
SELENIUM	MG/KG	5.05	390	32.7	2.9	1.5	ND (1.3)	ND (1.3)	ND (1.2)	ND (1.2)	ND (1.3)	ND (1.4)	ND (1.2)	ND (1.2)
ZINC	MG/KG	1507	23000	279	59.1	43.3	53.5	49.8	41.9	48.7	42.9	11.4	21.8	69.7

Exceedances in bold
ND () = Non detect at stated reporting limit
J = estimated value

Table 5
Summary of Analytical Results 1990 to 1996
Acid Brook Delta Uplands

Location (Boring ID)				536-48	536-48	536-48	536-48	536-49	536-50	536-52	536-52	536-52	536-52	536-53
Top (ft)				0	1.5	3	5	0	0	0	1.5	3	5	0
Bottom (ft)				0.5	2	3.5	5.5	0.5	0.5	0.5	2	3.5	5.5	0.5
Sample ID				536-48-0	536-48-18	536-48-36	536-48-60	536-49-0	536-50-0	536-52-0	536-52-18	536-52-36	536-52-60	536-53-0
Lab ID				9601	9605	9605	9605	9639	9605	9605	9605	9605	9605	9605
Date				9/12/90	9/12/90	9/12/90	9/12/90	9/13/90	9/12/90	9/12/90	9/12/90	9/12/90	9/12/90	9/12/90
Field Medium				Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Analyte	Units	Surface (0-0.5 Foot) Criteria	Subsurface (>0.5 foot) NJ RDC SRS											
BARIUM	MG/KG	16000	16000	60.6	37.8	26.4	31.4	39.7	31.8	41	37.8	27.5	35.6	78.3
COPPER	MG/KG	1100	3100	51	18.9	11.8	15.9	45	61.4	16.6	15.5	23.7	18.5	14.8
LEAD	MG/KG	400	400	165	64.6	6.8	14.3	218	91.4	51.3	44.1	36.2	15.1	49.8
MERCURY	MG/KG	20.5	23	3.7	2.1	ND (0.13)	0.4	4.9	21.6	ND (0.12)	ND (0.11)	8.8	1.5	0.13
SELENIUM	MG/KG	5.05	390	ND (1.7)	ND (1.4)	ND (1.2)	ND (1.4)	ND (1.2)	1.3	ND (1.1)	ND (1.1)	ND (1)	ND (2.2)	ND (1.1)
ZINC	MG/KG	1507	23000	128	85.6	26.3	31.2	82.9	57.8	70.8	68.7	39.3	35.8	77.9

Exceedances in bold

ND () = Non detect at stated reporting limit

J = estimated value

Table 5
Summary of Analytical Results 1990 to 1996
Acid Brook Delta Uplands

Location (Boring ID)				536-53	536-53	536-53	536-53	536-55	536-55	536-55	536-55	536-56	536-56	536-56
Top (ft)				1.5	3	5	5	0	1.5	3	5	0	0	1.5
Bottom (ft)				2	3.5	5.5	5.5	0.5	2	3.5	5.5	0.5	0.5	2
Sample ID				536-53-18	536-53-36	536-53-60DUP	536-53-60	536-55-0	536-55-18	536-55-36	536-55-60	536-56-0DUP	536-56-0	536-56-18
Lab ID				9605	9601	9605	9605	9601	9605	9605	9605	11168	11168	11167
Date				9/12/90	9/12/90	9/12/90	9/12/90	9/12/90	9/12/90	9/12/90	9/12/90	12/6/90	12/6/90	12/6/90
Field Medium				Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Analyte	Units	Surface (0-0.5 Foot) Criteria	Subsurface (>0.5 foot) NJ RDC SRS			DUP						DUP		
BARIUM	MG/KG	16000	16000	62.6	62.7	71.9	73.5	59.2	22.6	51.1	44.9	34.5	36.6	30.1
COPPER	MG/KG	1100	3100	18.1	18	19.9	18.8	17.4	13.5	15	22.9	25.2	23.5	49.3
LEAD	MG/KG	400	400	129	88.8	91.8	90.6	58.5	10.3	25.3	14.3	269	223	196
MERCURY	MG/KG	20.5	23	ND (0.12)	0.17	0.12	ND (0.11)	0.16	ND (0.12)	0.3	0.14	0.16	0.16	0.13
SELENIUM	MG/KG	5.05	390	ND (1.1)	ND (1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.2)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)
ZINC	MG/KG	1507	23000	81.5	74.7	82	78	76.1	34.2	47.4	59.8	81.8	79.4	131

Exceedances in bold
 ND () = Non detect at stated reporting limit
 J = estimated value

Table 5
Summary of Analytical Results 1990 to 1996
Acid Brook Delta Uplands

Location (Boring ID)				536-56	536-57	536-57	536-57	536-58	536-58	536-58	536-59	536-59	536-60	536-60
Top (ft)				3	0	1.5	3	0	1.5	3	0	1.5	0	1.5
Bottom (ft)				3.5	0.5	2	3.5	0.5	2	3.5	0.5	2	0.5	2
Sample ID				536-56-36	536-57-0	536-57-18	536-57-36	536-58-0	536-58-18	536-58-36	536-59-0	536-59-18	536-60-0	536-60-18
Lab ID				11168	11167	11168	11168	11168	11168	11168	11168	11168	11168	11168
Date				12/6/90	12/6/90	12/6/90	12/6/90	12/6/90	12/6/90	12/6/90	12/6/90	12/6/90	12/6/90	12/6/90
Field Medium				Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Analyte	Units	Surface (0-0.5 Foot) Criteria	Subsurface (>0.5 foot) NJ RDC SRS											
BARIUM	MG/KG	16000	16000	33.7	33.5	31.3	36.2	24	33.6	150	72.1	26.8	29.3	37.6
COPPER	MG/KG	1100	3100	28.3	59.9	20.3	27.4	23.7	23.3	19	22.3	18.4	28.3	13.6
LEAD	MG/KG	400	400	252	374	38.3	198	8.3	198	990	174	10.9	54.4	11.6
MERCURY	MG/KG	20.5	23	ND (0.11)	0.12	ND (0.11)	0.19	ND (0.1)	ND (0.11)	0.34	ND (0.12)	ND (0.11)	0.7	0.21
SELENIUM	MG/KG	5.05	390	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1)	ND (1.1)	ND (1.2)	ND (1.2)	ND (1.1)	ND (1.4)	ND (1.1)
ZINC	MG/KG	1507	23000	85.5	276	40.2	78.1	47	72.8	127	141	32.1	50.7	29.2

Exceedances in bold
ND () = Non detect at stated reporting limit
J = estimated value

Table 5
Summary of Analytical Results 1990 to 1996
Acid Brook Delta Uplands

Location (Boring ID)				536-60	536-60	536-60	536-61	536-61	536-61	536-62	536-62	536-62	536-62	536-62
Top (ft)				3	5	6	0	1.5	3	0	1.5	3	5	6
Bottom (ft)				3.5	5.5	6.5	0.5	2	3.5	0.5	2	3.5	5.5	6.5
Sample ID				536-60-36	536-60-60	536-60-72	536-61-0	536-61-18	536-61-36	536-62-0	536-62-18	536-62-36	536-62-60	536-62-72
Lab ID				11168	11168	11167	11168	11168	11168	11168	11168	11168	11167	11168
Date				12/6/90	12/6/90	12/6/90	12/6/90	12/6/90	12/6/90	12/6/90	12/6/90	12/6/90	12/6/90	12/6/90
Field Medium				Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Analyte	Units	Surface (0-0.5 Foot) Criteria	Subsurface (>0.5 foot) NJ RDC SRS											
BARIUM	MG/KG	16000	16000	21.4	37.6	25.3	49.2	29.8	25.8	38	56.7	20.8	24.9	28
COPPER	MG/KG	1100	3100	19.7	47.6	25.8	25.4	14.7	22.1	27.1	20.3	10	19.7	17.3
LEAD	MG/KG	400	400	42.7	828	81.1	163	ND (5.3)	6.5	35.5	12.2	ND (5.9)	7.8	9.5
MERCURY	MG/KG	20.5	23	0.18	0.27	0.31	0.14	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.12)	ND (0.12)	0.22
SELENIUM	MG/KG	5.05	390	ND (1.2)	ND (1.1)	ND (1.2)	ND (1.2)	ND (1.1)	ND (1.1)	ND (1.2)	ND (1.1)	ND (1.2)	ND (1.2)	ND (1.1)
ZINC	MG/KG	1507	23000	45.8	221	149	121	26.5	37.2	54.1	41.6	20.8	34.4	30.1

Exceedances in bold
ND () = Non detect at stated reporting limit
J = estimated value

Table 5
Summary of Analytical Results 1990 to 1996
Acid Brook Delta Uplands

Location (Boring ID)				536-63	536-63	536-63	536-64	536-64	536-64	536-64	536-64	536-65	536-65	536-65
Top (ft)				0	1.5	3	0	1.5	3	5	6	0	1.5	3
Bottom (ft)				0.5	2	3.5	0.5	2	3.5	5.5	6.5	0.5	2	3.5
Sample ID				536-63-0	536-63-18	536-63-36	536-64-0	536-64-18	536-64-36	536-64-60	536-64-72	536-65-0	536-65-18	536-65-36
Lab ID				11168	11168	11168	11168	11168	11168	11168	11168	11168	11168	11168
Date				12/6/90	12/6/90	12/6/90	12/6/90	12/6/90	12/6/90	12/6/90	12/6/90	12/6/90	12/6/90	12/6/90
Field Medium				Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Analyte	Units	Surface (0-0.5 Foot) Criteria	Subsurface (>0.5 foot) NJ RDC SRS											
BARIUM	MG/KG	16000	16000	36.5	27.7	30.2	48.5	39.6	41.5	43	106	39.5	52.6	31.7
COPPER	MG/KG	1100	3100	18.9	19.1	34.7	12.7	14.3	17.5	26.8	2020	16.1	18	18.7
LEAD	MG/KG	400	400	138	12	32.5	30.5	6.5	8.1	11.1	887	49.9	22.2	27.7
MERCURY	MG/KG	20.5	23	ND (0.12)	ND (0.11)	4.4	ND (0.11)	ND (0.12)	ND (0.11)	0.62	236	ND (0.12)	0.17	ND (0.11)
SELENIUM	MG/KG	5.05	390	ND (1.2)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.2)	ND (1.1)	ND (1.2)	21.1	ND (1.2)	ND (1.1)	ND (1.1)
ZINC	MG/KG	1507	23000	89.2	35.3	54.2	38.3	39.6	33.4	38.3	325	54.8	40.3	39.5

Exceedances in bold
ND () = Non detect at stated reporting limit
J = estimated value

Table 5
Summary of Analytical Results 1990 to 1996
Acid Brook Delta Uplands

Location (Boring ID)				536-66	536-66	536-66	536-66	536-66	536-67	536-67	536-67	536-67	536-68	536-68
Top (ft)				0	1.5	3	5	6	0	1.5	3	6	0	1.5
Bottom (ft)				0.5	2	3.5	5.5	6.5	0.5	2	3.5	6.5	0.5	2
Sample ID				536-66-0	536-66-18	536-66-36	536-66-60	536-66-72	536-67-0	536-67-18	536-67-36	536-67-72	536-68-0	536-68-18
Lab ID				11168	11168	11167	11168	11168	11168	11167	11168	11168	11216	11216
Date				12/6/90	12/6/90	12/6/90	12/6/90	12/6/90	12/6/90	12/6/90	12/6/90	12/6/90	12/7/90	12/7/90
Field Medium				Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Analyte	Units	Surface (0-0.5 Foot) Criteria	Subsurface (>0.5 foot) NJ RDC SRS											
BARIUM	MG/KG	16000	16000	61	59.2	22.7	29.2	23.7	31.1	40.3	35.4	38.5	87.1	84.2
COPPER	MG/KG	1100	3100	19	17.6	57.7	16	12.3	21.2	13.9	16.8	102	110	99.7
LEAD	MG/KG	400	400	28.8	16.2	22.9	ND (5.4)	6.2	32.2	23.6	23.3	117	88.1	570
MERCURY	MG/KG	20.5	23	ND (0.16)	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.11)	0.7	ND (0.11)	ND (0.12)	5.2	36.4	10.7
SELENIUM	MG/KG	5.05	390	ND (1.6)	ND (1.2)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.2)	ND (1.1)	ND (1.2)	ND (1.1)	ND (1.7)	ND (1.6)
ZINC	MG/KG	1507	23000	56.4	41.6	30.3	36.2	23.7	45.1	41.3	43.4	105	75.4	235

Exceedances in bold
ND () = Non detect at stated reporting limit
J = estimated value

Table 5
Summary of Analytical Results 1990 to 1996
Acid Brook Delta Uplands

Location (Boring ID)				536-68	536-68	536-68	536-69	536-69	536-69	536-70	536-70	536-70	536-70	536-70
Top (ft)				3	5	6	0	1.5	3	0	0	1.5	3	5
Bottom (ft)				3.5	5.5	6.5	0.5	2	3.5	0.5	0.5	2	3.5	5.5
Sample ID				536-68-36	536-68-60	536-68-72	536-69-0	536-69-18	536-69-36	536-70-0DUP	536-70-0	536-70-18	536-70-36	536-70-60
Lab ID				11216	11216	11216	11216	11216	11216	11216	11216	11209	11216	11216
Date				12/7/90	12/7/90	12/7/90	12/7/90	12/7/90	12/7/90	12/7/90	12/7/90	12/7/90	12/7/90	12/7/90
Field Medium				Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Analyte	Units	Surface (0-0.5 Foot) Criteria	Subsurface (>0.5 foot) NJ RDC SRS							DUP				
BARIUM	MG/KG	16000	16000	33.2	39.2	48.1	63.2	44.5	34.1	320	244	371	90	18.8
COPPER	MG/KG	1100	3100	21.3	20.7	21	15	15.8	10.2	126	108	120	129	8.5
LEAD	MG/KG	400	400	61.8	22.6	16.3	38.5	33.4	18.9	696	607	1400	2340	8.7
MERCURY	MG/KG	20.5	23	23.4	106	12.5	ND (0.13)	ND (0.12)	ND (0.12)	27.6	21.2	657	3790	0.44
SELENIUM	MG/KG	5.05	390	ND (1.3)	ND (1.4)	ND (2.1)	ND (1.2)	ND (1.1)	ND (1.1)	2	ND (1.8)	ND (1.6)	ND (1.7)	ND (1.1)
ZINC	MG/KG	1507	23000	45.9	36.6	48.1	100	66.8	102	385	338	696	749	15.6

Exceedances in bold
ND () = Non detect at stated reporting limit
J = estimated value

Table 5
Summary of Analytical Results 1990 to 1996
Acid Brook Delta Uplands

Location (Boring ID)				536-70	536-71	536-71	536-71	536-71	536-72	536-72	536-72	536-74	536-74	536-74
Top (ft)				6	0	0	1.5	3	0	1.5	3	0	1.5	3
Bottom (ft)				6.5	0.5	0.5	2	3.5	0.5	2	3.5	0.5	2	3.5
Sample ID				536-70-72	536-71-0DUP	536-71-0	536-71-18	536-71-36	536-72-0	536-72-18	536-72-36	536-74-0	536-74-18	536-74-36
Lab ID				11216	11216	11216	11209	11216	11216	11216	11216	11216	11216	11216
Date				12/7/90	12/7/90	12/7/90	12/7/90	12/7/90	12/7/90	12/7/90	12/7/90	12/7/90	12/7/90	12/7/90
Field Medium				Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Analyte	Units	Surface (0-0.5 Foot) Criteria	Subsurface (>0.5 foot) NJ RDC SRS	DUP										
BARIUM	MG/KG	16000	16000	28	47.3	49.4	58.7	31.4	33.9	27	49.9	40.3	35.9	27.4
COPPER	MG/KG	1100	3100	11.5	27.7	14.3	15	12.5	22.4	26.5	20.3	20.7	22.5	30.1
LEAD	MG/KG	400	400	6.5	30.3	29.9	26.5	20.3	84.2	104	60.2	105	141	142
MERCURY	MG/KG	20.5	23	ND (0.12)	ND (0.13)	ND (0.13)	ND (0.11)	ND (0.12)	1.1	ND (0.11)	1.9	0.3	ND (0.11)	ND (0.12)
SELENIUM	MG/KG	5.05	390	ND (1.1)	ND (1.2)	ND (2.3)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.3)	ND (1.1)	ND (1.1)	ND (1.2)
ZINC	MG/KG	1507	23000	25.4	77.5	65.7	59.8	45.4	65.3	53.7	80.4	79	86.5	43.7

Exceedances in bold
ND () = Non detect at stated reporting limit
J = estimated value

Table 5
Summary of Analytical Results 1990 to 1996
Acid Brook Delta Uplands

Location (Boring ID)				536-75	536-75	536-75	536-75	536-75	536-76	536-76	536-76	536-76	536-79	536-79	536-79
Top (ft)				0	0	1.5	3	5	0	1.5	3	5	0	1.5	3
Bottom (ft)				0.5	0.5	2	3.5	5.5	0.5	2	3.5	5.5	0.5	2	3.5
Sample ID				536-75-0DUP	536-75-0	536-75-18	536-75-36	536-75-60	536-76-0	536-76-18	536-76-36	536-76-60	536-79-0	536-79-18	536-79-36
Lab ID				13016	13016	13016	13016	13016	13016	13016	13016	13016	13123	13123	13123
Date				3/28/91	3/28/91	3/28/91	3/28/91	3/28/91	3/28/91	3/28/91	3/28/91	3/28/91	4/2/91	4/2/91	4/2/91
Field Medium				Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Analyte	Units	Surface (0-0.5 Foot) Criteria	Subsurface (>0.5 foot) NJ RDC SRS	DUP											
BARIUM	MG/KG	16000	16000	48.8	56.7	55.9	51.1	27.2	52	64.8	397	82.1	24.3	40	34.3
COPPER	MG/KG	1100	3100	32.6	26.1	29.6	13.6	13.2	29.6	21.4	30	11.9	28.5	56	23.8
LEAD	MG/KG	400	400	123	171	165	21.9	6.4	129	229	331	14.6	262	306	219
MERCURY	MG/KG	20.5	23	0.18	0.16	0.48	0.12	ND (0.11)	0.2	0.35	0.62	0.3	0.3	ND (0.11)	0.2
SELENIUM	MG/KG	5.05	390	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.2)	ND (1.1)	ND (1.1)	ND (1.2)	ND (1.2)	ND (1.5)	ND (1.1)	ND (1.1)	ND (1.1)
ZINC	MG/KG	1507	23000	75.4	84.6	105	55.2	26.6	91.2	81	374	45.7	76.4	114	123

Exceedances in bold
 ND () = Non detect at stated reporting limit
 J = estimated value

Table 5
Summary of Analytical Results 1990 to 1996
Acid Brook Delta Uplands

Location (Boring ID)		536-79	536-80	536-80	536-80	536-80	536-81	536-81	536-81	536-81	536-82	536-82	536-82		
Top (ft)		5	0	1.5	3	5	0	1.5	3	5	0	1.5	3		
Bottom (ft)		5.5	0.5	2	3.5	5.5	0.5	2	3.5	5.5	0.5	2	3.5		
Sample ID		536-79-60	536-80-0	536-80-18	536-80-36	536-80-60	536-81-0	536-81-18	536-81-36	536-81-60	536-82-0	536-82-18	536-82-36DUP		
Lab ID		13123	13123	13123	13123	13123	13016	13014	13014	13016	13016	13016	13016		
Date		4/2/91	4/2/91	4/2/91	4/2/91	4/2/91	3/28/91	3/28/91	3/28/91	3/28/91	3/28/91	3/28/91	3/28/91		
Field Medium		Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil		
Analyte	Units	Surface (0-0.5 Foot) Criteria	Subsurface (>0.5 foot) NJ RDC SRS												DUP
BARIUM	MG/KG	16000	16000	88.4	41.1	27.8	28.5	59.9	37.2	18.9	19.7	51.8	32.4	52.9	30.2
COPPER	MG/KG	1100	3100	24.6	34.8	15	23.3	22.3	34.5	17	20.8	26.7	26.4	24.1	35.2
LEAD	MG/KG	400	400	237	584	18.7	145	94.6	306	16.4	ND (5.6)	134	281	97.1	260
MERCURY	MG/KG	20.5	23	0.18	0.31	ND (0.11)	0.22	ND (0.12)	0.15	0.36	0.15	ND (0.11)	0.43	0.14	ND (0.11)
SELENIUM	MG/KG	5.05	390	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.2)	ND (1.1)	ND (1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)
ZINC	MG/KG	1507	23000	108	110	35.5	70.2	49	90	30.2	30.2	76.7	85	73.2	118

Exceedances in bold
ND () = Non detect at stated reporting limit
J = estimated value

Table 5
Summary of Analytical Results 1990 to 1996
Acid Brook Delta Uplands

Location (Boring ID)		536-82	536-82	536-83	536-83	536-84	536-84	536-85	536-85	536-86	536-86	536-86	536-87		
Top (ft)		3	5	0	1.5	0	1.5	0	1.5	0	1.5	1.5	0		
Bottom (ft)		3.5	5.5	0.5	2	0.5	2	0.5	2	0.5	2	2	0.5		
Sample ID		536-82-36	536-82-60	536-83-0	536-83-18	536-84-0	536-84-18	536-85-0	536-85-18	536-86-0	536-86-18DUP	536-86-18	536-87-0		
Lab ID		13016	13016	13016	13016	13014	13016	13016	13014	13016	13016	13016	13016		
Date		3/28/91	3/28/91	3/28/91	3/28/91	3/28/91	3/28/91	3/28/91	3/28/91	3/28/91	3/28/91	3/28/91	3/28/91		
Field Medium		Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil		
Analyte	Units	Surface (0-0.5 Foot) Criteria	Subsurface (>0.5 foot) NJ RDC SRS									DUP			
BARIUM	MG/KG	16000	16000	37.5	28.5	37.4	31.3	67.6	31.4	53.6	44.8	54.8	79	52.2	63.5
COPPER	MG/KG	1100	3100	44.3	21	10.4	10.1	12.7	8.1	11.5	14.4	12.4	21.7	30.3	11.2
LEAD	MG/KG	400	400	281	114	18.1	25.8	35.7	12.3	24.6	27.5	50.3	200	130	31.7
MERCURY	MG/KG	20.5	23	0.12	ND (0.12)	0.11	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.11)	0.11	ND (0.11)	ND (0.11)	ND (0.12)
SELENIUM	MG/KG	5.05	390	ND (1.2)	ND (1.2)	ND (1.1)	ND (1.1)	ND (1.2)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.2)
ZINC	MG/KG	1507	23000	146	51	44.6	31.9	76.7	29.8	49.1	51.2	53.7	62.9	56.3	56.2

Exceedances in bold
ND () = Non detect at stated reporting limit
J = estimated value

Table 5
Summary of Analytical Results 1990 to 1996
Acid Brook Delta Uplands

Location (Boring ID)				536-87	536-88	536-88	536-88	536-88	536-88	536-88	536-90	536-90	536-90	536-90	536-92	536-92
Top (ft)				1.5	0	0	1.5	3	5	0	1.5	3	5	0	1.5	
Bottom (ft)				2	0.5	0.5	2	3.5	5.5	0.5	2	3.5	5.5	0.5	2	
Sample ID				536-87-18	536-88-0	536-88-0	536-88-18	536-88-36	536-88-60	536-90-0	536-90-18	536-90-36	536-90-60	536-92-0	536-92-18	
Lab ID				13016	13095	15093	15093	15093	15093	15092	15093	15093	15093	15093	15093	
Date				3/28/91	4/1/91	4/1/91	7/11/91	7/11/91	7/11/91	7/11/91	7/11/91	7/11/91	7/11/91	7/11/91	7/11/91	
Field Medium				Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	
Analyte	Units	Surface (0-0.5 Foot) Criteria	Subsurface (>0.5 foot) NJ RDC SRS													
BARIUM	MG/KG	16000	16000	24.9	19	54	52.7	30.4	38.6	79	55.7	43.8	37.7	25	50.6	
COPPER	MG/KG	1100	3100	11.5	14.6	24.8	10.5	15.2	20.9	15.2	15.7	14.4	14.1	18.3	26.1	
LEAD	MG/KG	400	400	19.4	6.8	189	14.1	ND (5.4)	117	47.4	132	57.5	30.7	37.4	93.5	
MERCURY	MG/KG	20.5	23	ND (0.11)	0.45	0.37	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.12)	0.38	0.16	ND (0.11)	ND (0.1)	ND (0.11)	
SELENIUM	MG/KG	5.05	390	ND (1.1)	ND (1.3)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.2)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1)	ND (1.1)	
ZINC	MG/KG	1507	23000	39.5	17.5	146	35.4	24.6	93.2	55.4	93.4	75	43.7	43.7	69.5	

Exceedances in bold
ND () = Non detect at stated reporting limit
J = estimated value

Table 5
Summary of Analytical Results 1990 to 1996
Acid Brook Delta Uplands

Location (Boring ID)		536-92	536-92	536-92	536-93	536-93	536-93	536-93	536-94	536-94	536-94	536-94		
Top (ft)		3	5	5	0	1.5	3	5	0	1.5	3	5		
Bottom (ft)		3.5	5.5	5.5	0.5	2	3.5	5.5	0.5	2	3.5	5.5		
Sample ID		536-92-36	536-92-60DUP	536-92-60	536-93-0	536-93-18	536-93-36	536-93-60	536-94-0	536-94-18	536-94-36	536-94-60		
Lab ID		15093	15093	15093	15072	15072	15072	15070	15072	15072	15072	15072		
Date		7/11/91	7/11/91	7/11/91	7/10/91	7/10/91	7/10/91	7/10/91	7/10/91	7/10/91	7/10/91	7/10/91		
Field Medium		Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil		
Analyte	Units	Surface (0-0.5 Foot) Criteria	Subsurface (>0.5 foot) NJ RDC SRS		DUP									
BARIUM	MG/KG	16000	16000	34.1	26.1	28.4	65.9	70.6	69.5	42	67.4	46.5	53.7	37.5
COPPER	MG/KG	1100	3100	20.3	17.7	16.1	24.5	19.1	13.3	17.1	16.7	10.1	14.9	20.2
LEAD	MG/KG	400	400	17.5	33.8	23.8	40.6	85.4	17.1	10.4	43.1	9.6	16.9	71.8
MERCURY	MG/KG	20.5	23	ND (0.11)	ND (0.1)	ND (0.11)	0.2	0.56	0.13	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.12)	0.3
SELENIUM	MG/KG	5.05	390	ND (1.1)	ND (1)	ND (1.1)	ND (1.1)	ND (1.3)	ND (1.2)	ND (1.1)	ND (1.1)	ND (1.2)	ND (1.2)	ND (1.2)
ZINC	MG/KG	1507	23000	43.5	38.8	29.9	59.8	57.7	48.8	36	63.7	39.8	51.2	68.8

Exceedances in bold
ND () = Non detect at stated reporting limit
J = estimated value

Table 5
Summary of Analytical Results 1990 to 1996
Acid Brook Delta Uplands

Location (Boring ID)				536-95	536-95	536-95	536-95	536-95	536-96	536-96	536-96	536-96	536-97	536-97	536-97
Top (ft)				0	0	1.5	3	5	0	1.5	3	5	0	1.5	3
Bottom (ft)				0.5	0.5	2	3.5	5.5	0.5	2	3.5	5.5	0.5	2	3.5
Sample ID				536-95-0DUP	536-95-0	536-95-18	536-95-36	536-95-60	536-96-0	536-96-18	536-96-36	536-96-60	536-97-0	536-97-18	536-97-36
Lab ID				15072	15072	15072	15072	15072	15049	15047	15049	15049	15049	15049	15047
Date				7/10/91	7/10/91	7/10/91	7/10/91	7/10/91	7/9/91	7/9/91	7/9/91	7/9/91	7/9/91	7/9/91	7/9/91
Field Medium				Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Analyte	Units	Surface (0-0.5 Foot) Criteria	Subsurface (>0.5 foot) NJ RDC SRS	DUP											
BARIUM	MG/KG	16000	16000	61.3	61.5	41.7	40.8	54	42.9	87.5	81.3	70.7	63.9	52.9	43.7
COPPER	MG/KG	1100	3100	19.5	29.2	29	11.4	11.8	14.9	38.8	17.9	14.7	14.5	25.7	20.1
LEAD	MG/KG	400	400	49.5	96.9	15.8	5.7	11.1	18.7	106	106	62.2	31.4	38.2	32.3
MERCURY	MG/KG	20.5	23	0.33	0.34	ND (0.1)	ND (0.11)	ND (0.11)	0.11	0.33	0.19	0.15	0.12	0.14	ND (0.11)
SELENIUM	MG/KG	5.05	390	ND (1)	ND (1)	ND (1)	ND (1.1)	ND (1.1)	ND (1)	ND (1.1)	ND (1.1)	ND (1.2)	ND (1.1)	ND (1)	ND (1.1)
ZINC	MG/KG	1507	23000	62	58.6	35	32.9	42.6	43.4	101	74.9	65	51.8	57	53.8

Exceedances in bold
ND () = Non detect at stated reporting limit
J = estimated value

Table 5
Summary of Analytical Results 1990 to 1996
Acid Brook Delta Uplands

Location (Boring ID)		536-97	536-98	536-98	536-98	536-98	536-98	536-99	536-99	536-99	536-99	536-101		
Top (ft)		5	0	1.5	3	5	5	0	1.5	3	5	0		
Bottom (ft)		5.5	0.5	2	3.5	5.5	5.5	0.5	2	3.5	5.5	0.5		
Sample ID		536-97-60	536-98-0	536-98-18	536-98-36	536-98-60DUP	536-98-60	536-99-0	536-99-18	536-99-36	536-99-60	536-101-0DUP		
Lab ID		15049	15049	15049	15049	15049	15049	15049	15049	15049	15047	18311		
Date		7/9/91	7/9/91	7/9/91	7/9/91	7/9/91	7/9/91	7/9/91	7/9/91	7/9/91	7/9/91	12/2/91		
Field Medium		Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil		
Analyte	Units	Surface (0-0.5 Foot) Criteria	Subsurface (>0.5 foot) NJ RDC SRS					DUP					DUP	
BARIUM	MG/KG	16000	16000	50.8	60.1	51.8	39.5	43	34.9	67.3	75	91.1	91.7	26.1
COPPER	MG/KG	1100	3100	21.5	25.5	20.2	36.8	17.4	14.7	16.7	15.2	20.4	21.1	56.2
LEAD	MG/KG	400	400	21.4	51.1	49.1	109	19.4	22.1	63.1	57.7	138	118	26.3
MERCURY	MG/KG	20.5	23	ND (0.11)	0.3	0.14	ND (0.1)	ND (0.1)	ND (0.1)	0.41	0.21	1.4	0.46	ND (0.11)
SELENIUM	MG/KG	5.05	390	ND (1.1)	ND (1.1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.2)	ND (0.21)
ZINC	MG/KG	1507	23000	44.8	64.9	54.5	51.4	50.9	42.6	71.5	69.3	104	92.3	27.5

Exceedances in bold
ND () = Non detect at stated reporting limit
J = estimated value

Table 5
Summary of Analytical Results 1990 to 1996
Acid Brook Delta Uplands

Location (Boring ID)				536-101	536-101	536-101	536-101	536-101	536-103	536-103	536-103	536-103	536-104
Top (ft)				0	1.5	3	5	6	0	1.5	3	5	0
Bottom (ft)				0.5	2	3.5	5.5	6.5	0.5	2	3.5	5.5	0.5
Sample ID				536-101-0	536-101-18	536-101-36	536-101-60	536-101-72	536-103-0	536-103-18	536-103-36	536-103-60	536-104-0
Lab ID				18311	18311	18311	18311	18311	18311	18311	18311	18311	A304077
Date				12/2/91	12/2/91	12/2/91	12/2/91	12/2/91	12/2/91	12/2/91	12/2/91	12/2/91	4/28/93
Field Medium				Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Analyte	Units	Surface (0-0.5 Foot) Criteria	Subsurface (>0.5 foot) NJ RDC SRS										
BARIUM	MG/KG	16000	16000	24.3	12.7	ND (1.1)	ND (1.1)	ND (1.1)	38	33.9	24.4	29.5	28
COPPER	MG/KG	1100	3100	34.9	27.3	ND (1.1)	ND (1.1)	ND (1.1)	36.3	29.8	25.2	32.8	78.9
LEAD	MG/KG	400	400	19.2	27.1	ND (5.6)	ND (5.4)	ND (5.7)	24.8	12.6	18.1	8	77.2
MERCURY	MG/KG	20.5	23	ND (0.1)	ND (0.1)	ND (0.11)	0.26	0.18	ND (0.11)	ND (0.11)	1.5	ND (0.11)	8.27
SELENIUM	MG/KG	5.05	390	ND (0.21)	ND (0.21)	ND (0.22)	ND (0.22)	ND (0.23)	ND (0.22)	ND (0.21)	ND (0.21)	ND (0.21)	ND (0.991)
ZINC	MG/KG	1507	23000	26	18.7	ND (2.2)	ND (2.2)	ND (2.3)	62.7	29.9	48.5	26.9	56.6

Exceedances in bold
ND () = Non detect at stated reporting limit
J = estimated value

Table 5
Summary of Analytical Results 1990 to 1996
Acid Brook Delta Uplands

Location (Boring ID)		536-104	536-104	536-104	536-104	536-104	536-104	536-104	536-106	536-106	536-106		
Top (ft)		1	1	3	5	6	8	9.5	0	1	3		
Bottom (ft)		1.5	1.5	3.5	5.5	6.5	8.5	10	0.5	1.5	3.5		
Sample ID		536-104-12DUP	536-104-12	536-104-36	536-104-60	536-104-72	536-104-96	536-104-114	536-106-0	536-106-12	536-106-36		
Lab ID		A304077	A304077	A304077	A304077	A304077	A304077	A304077	A304077	A304077	A304077		
Date		4/28/93	4/28/93	4/28/93	4/28/93	4/28/93	4/28/93	4/28/93	4/28/93	4/28/93	4/28/93		
Field Medium		Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil		
Analyte	Units	Surface (0-0.5 Foot) Criteria	Subsurface (>0.5 foot) NJ RDC SRS	DUP									
BARIUM	MG/KG	16000	16000	28.5	24.9	16.9	14.8	18	25.9	24.9	21.6	25.1	21
COPPER	MG/KG	1100	3100	32.1	44.8	8.02	8.43	8.81	8.99	8.88	38.7	26.8	8.94
LEAD	MG/KG	400	400	38.8	43	ND (9.69)	ND (10.2)	ND (11)	ND (10.6)	ND (11.3)	43.4	30.7	ND (10.7)
MERCURY	MG/KG	20.5	23	1.18	1.3	ND (1.7)	ND (1.5)	ND (1.5)	ND (1.3)	ND (1.7)	4.66	8.94	ND (1.7)
SELENIUM	MG/KG	5.05	390	ND (0.954)	ND (1.067)	ND (1.088)	ND (1.13)	ND (0.966)	ND (0.991)	ND (1.075)	ND (1.083)	ND (1.064)	ND (1.136)
ZINC	MG/KG	1507	23000	37.6	40.2	18.5	19.6	17.6	21.6	23.5	66.4	30.2	20.5

Exceedances in bold
 ND () = Non detect at stated reporting limit
 J = estimated value

Table 5
Summary of Analytical Results 1990 to 1996
Acid Brook Delta Uplands

Location (Boring ID)				536-106	536-106	536-106	536-106	536-109	536-110	536-111	536-112	536-113	536-114
Top (ft)				5	6	8	9.5	0	0	0	0	0	1
Bottom (ft)				5.5	6.5	8.5	10	0.5	0.5	0.5	0.5	0.5	1.5
Sample ID				536-106-60	536-106-72	536-106-96	536-106-114	536-109-0	536-110-0	536-111-0	536-112-0	536-113-0	536-114-12
Lab ID				A304077	A304077	A304077	A304077	A304055	A304067	A304055	A304055	A304055	A304074
Date				4/28/93	4/28/93	4/28/93	4/28/93	4/22/93	4/26/93	4/22/93	4/22/93	4/22/93	4/27/93
Field Medium				Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Analyte	Units	Surface (0-0.5 Foot) Criteria	Subsurface (>0.5 foot) NJ RDC SRS										
BARIUM	MG/KG	16000	16000	18.2	17.6	14	19	60.3	49.8	46.8	38.8	29.5	35.3
COPPER	MG/KG	1100	3100	9.26	6.36	6.12	6.52	17.8	12.1	22.1	27.5	128	51.9
LEAD	MG/KG	400	400	ND (11.1)	ND (11.5)	ND (12)	ND (11.2)	20.6	37.8	87.9	305	104	153
MERCURY	MG/KG	20.5	23	ND (1.4)	ND (1.6)	ND (1.3)	ND (1.6)	1.1	1.7	ND (0.5)	ND (0.5)	7.5	105
SELENIUM	MG/KG	5.05	390	ND (1.112)	ND (1.106)	ND (1.134)	ND (1.028)	ND (1.074)	ND (1.154)	ND (1.123)	ND (1.084)	1.22	1.97
ZINC	MG/KG	1507	23000	20.3	19.2	17.2	18	51	66.6	72.6	124	87.6	39.4

Exceedances in bold
ND () = Non detect at stated reporting limit
J = estimated value

Table 5
Summary of Analytical Results 1990 to 1996
Acid Brook Delta Uplands

Location (Boring ID)		536-114	536-116	536-116	536-116	536-116	536-118	536-118	536-119	536-200	536-201	536-202		
Top (ft)		3	0	1	3	3	1	3	0	0	0	0		
Bottom (ft)		3.5	0.5	1.5	3.5	3.5	1.5	3.5	0.5	0.5	0.5	0.5		
Sample ID		536-114-36	536-116-0	536-116-12	536-116-36DUP	536-116-36	536-118-12	536-118-36	536-119-0	POM-536-200-0	POM-536-201-0	POM-536-202-0DUP		
Lab ID		A304074	A304055	A304067	A304067	A304067	A304074	A304074	A304067	2545859	2545858	2545854		
Date		4/27/93	4/22/93	4/26/93	4/26/93	4/26/93	4/27/93	4/27/93	4/26/93	7/15/96	7/15/96	7/15/96		
Field Medium		Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil		
Analyte	Units	Surface (0-0.5 Foot) Criteria	Subsurface (>0.5 foot) NJ RDC SRS				DUP						DUP	
BARIUM	MG/KG	16000	16000	29.2	130	83.2		238	93.7	230	140			
COPPER	MG/KG	1100	3100	4.46	1120	494		1100	1100	1510	842			
LEAD	MG/KG	400	400	ND (11.4)	1050	382		719	754	1100	765	33	40	20
MERCURY	MG/KG	20.5	23	ND (1.3)	98.3	70.3	492	276	119	363	86.3	0.105	0.091	0.079
SELENIUM	MG/KG	5.05	390	ND (1.118)	58.9	12.2	76.8	ND (28.9)	34.1	26.2	15.6			
ZINC	MG/KG	1507	23000	23.4	281	121		252	210	242	250			

Exceedances in bold
ND () = Non detect at stated reporting limit
J = estimated value

Table 5
Summary of Analytical Results 1990 to 1996
Acid Brook Delta Uplands

Location (Boring ID)				536-202	536-203	536-204	536-205	536-206	536-207	536-208	536-209	536-210	536-211	536-212
Top (ft)				0	0	2.5	5	5	5	5	6	0	0	0
Bottom (ft)				0.5	0.5	3	5.5	5.5	5.5	5.5	6.5	0.5	0.5	0.5
Sample ID				POM-536-202-0	POM-536-203-0	POM-536-204-30	POM-536-205-60	POM-536-206-60	POM-536-207-60	POM-536-208-60	POM-536-209-72	POM-536-210-0	POM-536-211-0	POM-536-212-0
Lab ID				2545857	2545856	2545855	2547741	2547740	2547739	2547738	2547737	2548789	2548788	2548787
Date				7/15/96	7/15/96	7/15/96	7/17/96	7/17/96	7/17/96	7/17/96	7/17/96	7/18/96	7/18/96	7/18/96
Field Medium				Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Analyte	Units	Surface (0-0.5 Foot) Criteria	Subsurface (>0.5 foot) NJ RDC SRS											
BARIUM	MG/KG	16000	16000											
COPPER	MG/KG	1100	3100											
LEAD	MG/KG	400	400	17	25	30	156	9.1	8.9	8.7	20	64	207	174
MERCURY	MG/KG	20.5	23	0.062 J	0.101	0.069	1.2	0.18	1.33	0.077	0.79	0.86	0.24	0.27
SELENIUM	MG/KG	5.05	390											
ZINC	MG/KG	1507	23000											

Exceedances in bold
 ND () = Non detect at stated reporting limit
 J = estimated value

Table 5
Summary of Analytical Results 1990 to 1996
Acid Brook Delta Uplands

Location (Boring ID)		536-213	536-214	536-215	536-216	536-217	536-217	536-218	536-219	536-220	536-222	536-224		
Top (ft)		0	1	3	3	3	3	3	4	0	0	1		
Bottom (ft)		0.5	1.5	3.5	3.5	3.5	3.5	3.5	4.3	0.5	0.5	1.5		
Sample ID		POM-536-213-0	POM-536-214-12	POM-536-215-36	POM-536-216-36	POM-536-217-36DUP	POM-536-217-36	POM-536-218-36	POM-536-219-48	536-220-0	POM-536-222-0	POM-536-224-12		
Lab ID		2548786	2548785	2548784	2548783	2548781	2548782	2548775	2548774	2548773	2548771	2548769		
Date		7/18/96	7/18/96	7/18/96	7/18/96	7/18/96	7/18/96	7/18/96	7/18/96	7/18/96	7/18/96	7/18/96		
Field Medium		Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil		
Analyte	Units	Surface (0-0.5 Foot) Criteria	Subsurface (>0.5 foot) NJ RDC SRS					DUP						
BARIUM	MG/KG	16000	16000											
COPPER	MG/KG	1100	3100											
LEAD	MG/KG	400	400	4	55	3	12	98	3	238	15	588	300	282
MERCURY	MG/KG	20.5	23	1.76	0.11	0.059	0.2	0.56	0.41	0.11	0.16	0.4	0.36	0.31
SELENIUM	MG/KG	5.05	390											
ZINC	MG/KG	1507	23000											

Exceedances in bold
ND () = Non detect at stated reporting limit
J = estimated value

Table 5
Summary of Analytical Results 1990 to 1996
Acid Brook Delta Uplands

Location (Boring ID)		536-225	536-226	536-228	536-228	536-229	536-231	536-232	536-233	536-236	536-238		
Top (ft)		6	3	3	3	3	1.5	1.5	1.5	0	0		
Bottom (ft)		6.5	3.5	3.5	3.5	3.5	2	2	2	0.5	0.5		
Sample ID		POM-536-225-72	POM-536-226-36	POM-536-228-36DUP	POM-536-228-36	POM-536-229-36	POM-536-231-18	POM-536-232-18	POM-536-233-18	POM-536-236-0	POM-536-238-0		
Lab ID		2550594	2550593	2550589	2550590	2550588	2550586	2550585	2550584	2550581	2551394		
Date		7/22/96	7/22/96	7/22/96	7/22/96	7/22/96	7/22/96	7/22/96	7/22/96	7/22/96	7/23/96		
Field Medium		Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil		
Analyte	Units	Surface (0-0.5 Foot) Criteria	Subsurface (>0.5 foot) NJ RDC SRS			DUP							
BARIUM	MG/KG	16000	16000										
COPPER	MG/KG	1100	3100										
LEAD	MG/KG	400	400	16	13	247	250	435	80	145	334	206	265
MERCURY	MG/KG	20.5	23	ND (0.033)	ND (0.031)	0.13	0.35	0.33	0.78	0.2	0.15	0.17	0.25
SELENIUM	MG/KG	5.05	390										
ZINC	MG/KG	1507	23000										

Exceedances in bold
 ND () = Non detect at stated reporting limit
 J = estimated value

Table 5
Summary of Analytical Results 1990 to 1996
Acid Brook Delta Uplands

Location (Boring ID)				536-240	536-241	536-244	536-245	536-246	536-247	536-248	536-249	536-250	536-251	536-255
Top (ft)				0	1	0	0	1	40	1.5	1.5	5	5	1.5
Bottom (ft)				0.5	1.5	0.5	0.5	1.5	46	2	2	5.5	5.5	2
Sample ID				POM-536-240-0	POM-536-241-12	POM-536-244-0	POM-536-245-0	POM-536-246-12	POM-536-247-40	POM-536-248-18	POM-536-249-18	POM-536-250-60	POM-536-251-60	POM-536-255-18
Lab ID				2551391	2551390	2552299	2552298	2552297	2552296	2553132	2553131	2553130	2553129	2554213
Date				7/23/96	7/23/96	7/24/96	7/24/96	7/24/96	7/24/96	7/25/96	7/25/96	7/25/96	7/25/96	7/29/96
Field Medium				Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Analyte	Units	Surface (0-0.5 Foot) Criteria	Subsurface (>0.5 foot) NJ RDC SRS											
BARIUM	MG/KG	16000	16000											
COPPER	MG/KG	1100	3100											
LEAD	MG/KG	400	400	269	215	321	346	202	74	9.7	48	250	11.3	185
MERCURY	MG/KG	20.5	23	0.21	0.57	0.22	0.14	0.2	0.087 J	0.04	0.17	0.35	ND (0.034)	0.14
SELENIUM	MG/KG	5.05	390											
ZINC	MG/KG	1507	23000											

Exceedances in bold
ND () = Non detect at stated reporting limit
J = estimated value

Table 5
Summary of Analytical Results 1990 to 1996
Acid Brook Delta Uplands

Location (Boring ID)				536-256	536-259	536-260	536-261	536-261	536-266	536-267	536-268	536-269	536-271	536-272
Top (ft)				0	1.5	1.5	0	0	0	0	0	0	3	3
Bottom (ft)				0.5	2	2	0.5	0.5	0.5	0.5	0.5	0.5	3.5	3.5
Sample ID				POM-536-256-0	POM-536-259-18	POM-536-260-18	POM-536-261-0DUP	POM-536-261-0	POM-536-266-0	POM-536-267-0	POM-536-268-0	POM-536-269-0	POM-536-271-36	POM-536-272-36
Lab ID				2554212	2556223	2556221	2556219	2556220	2556969	2556968	2556971	2558563	2559227	2559226
Date				7/29/96	7/31/96	7/31/96	7/31/96	7/31/96	8/1/96	8/1/96	8/1/96	8/5/96	8/6/96	8/6/96
Field Medium				Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Analyte	Units	Surface (0-0.5 Foot) Criteria	Subsurface (>0.5 foot) NJ RDC SRS				DUP							
BARIUM	MG/KG	16000	16000											
COPPER	MG/KG	1100	3100											
LEAD	MG/KG	400	400	229	8	160	157	145	282	250	341	290	164	74
MERCURY	MG/KG	20.5	23	0.25	0.21	0.16	0.18	0.18	0.2	0.11 J	0.38	0.34	0.11	0.087
SELENIUM	MG/KG	5.05	390											
ZINC	MG/KG	1507	23000											

Exceedances in bold
ND () = Non detect at stated reporting limit
J = estimated value

Table 6
Summary of Analytical Results 2009 to 2010
Acid Brook Delta Uplands

Location (Boring ID)				536N-1D	536N-6D	536N-19D2	536N-20D	536N-20D2	536N-21D2	536N-25D	536N-26D	536N-31D
Top (ft)				5.5	0.5	5	5.5	6	7	0	3	2
Bottom (ft)				6	1	5.5	6	6.5	7.5	0.5	3.5	2.5
Sample ID				POM-S-536-1D(5.5-6.0)	POM-S-536-6D(0.5-1.0)	POM-S-536-19D2(5.0-5.5)	POM-S-536-20D(5.5-6.0)	POM-S-536-20D2(6.0-6.5)	POM-S-536-21D2(7.0-7.5)	POM-S-536-25D(0.0-0.5)	POM-S-536-26D(3.0-3.5)	POM-S-536-31D(2.0-2.5)
Lab ID				5861134	5854106	5872573	5861116	5877939	5872572	5856168	5867697	5867673
Date				12/8/09	12/1/09	12/22/09	12/8/09	1/5/10	12/22/09	12/3/09	12/16/09	12/15/09
Field Medium				Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Analyte	Units	Surface (0-0.5 Foot) Criteria	Subsurface (>0.5 foot) NJ RDC SRS									
COPPER	MG/KG	1100	3100									
LEAD	MG/KG	400	400		272		318			99	102	391
MERCURY	MG/KG	20.5	23	26.8 J		1.23		0.0671 J	0.0663 J			
SELENIUM	MG/KG	5.05	390									

Exceedances in bold
 ND () = Non detect at stated reporting limit
 J = estimated value

Table 6
Summary of Analytical Results 2009 to 2010
Acid Brook Delta Uplands

Location (Boring ID)				536N-33D	536N-33D	536N-34D	536N-34D2	536N-35D	536N-35D2	536N-36D	536N-50D	536N-58D
Top (ft)				1	2	5	6	1	7	2	0.5	3.5
Bottom (ft)				1.5	2.5	5.5	6.5	1.5	7.5	2.5	1	4
Sample ID				POM-S-536-33D(1.0-1.5)	POM-S-536-33D(2.0-2.5)	POM-S-536-34D(5.0-5.5)	POM-S-536-34D2(6.0-6.5)	POM-S-536-35D(1.0-1.5)	POM-S-536-35D2(7.0-7.5)	POM-S-536-36D(2.0-2.5)	POM-S-536-50D(0.5-1.0)	POM-S-536-58D(3.5-4.0)
Lab ID				5867665	5867666	5867672	5877937	5861144	5877938	5872550	5856182	5867699
Date				12/14/09	12/14/09	12/15/09	1/5/10	12/9/09	1/5/10	12/21/09	12/4/09	12/16/09
Field Medium				Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Analyte	Units	Surface (0-0.5 Foot) Criteria	Subsurface (>0.5 foot) NJ RDC SRS									
COPPER	MG/KG	1100	3100					880				
LEAD	MG/KG	400	400	394		181		630				7.01
MERCURY	MG/KG	20.5	23		12.3		32.6		0.347	4.7	0.458	
SELENIUM	MG/KG	5.05	390									

Exceedances in bold
 ND () = Non detect at stated reporting limit
 J = estimated value

Table 6
Summary of Analytical Results 2009 to 2010
Acid Brook Delta Uplands

Location (Boring ID)				536N-70D	536N-80D	536N-118D2	536N-235	536N-237	536N-238	536N-239	536N-240	536N-241
Top (ft)				4	1	7	0	0	3	3	3	3
Bottom (ft)				4.5	1.5	7.5	0.5	0.5	3.5	3.5	3.5	3.5
Sample ID				POM-S-536-70D(4.0-4.5)	POM-S-536-80D(1.0-1.5)	POM-S-536-118D2(7.0-7.5)	POM-S-536-235(0.0-0.5)	POM-S-536-237(0.0-0.5)	POM-S-536-238(3.0-3.5)	POM-S-536-239(3.0-3.5)	POM-S-536-240(3.0-3.5)	POM-S-536-241(3.0-3.5)
Lab ID				5861117	5867698	5872568	5856169	5854113	5867674	5867675	5867676	5867677
Date				12/8/09	12/16/09	12/22/09	12/3/09	12/2/09	12/15/09	12/15/09	12/15/09	12/15/09
Field Medium				Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Analyte	Units	Surface (0-0.5 Foot) Criteria	Subsurface (>0.5 foot) NJ RDC SRS									
COPPER	MG/KG	1100	3100									
LEAD	MG/KG	400	400	15.6	328		234	212	80.4	44.8	20.6	241
MERCURY	MG/KG	20.5	23	4.84 J		0.0445 J						
SELENIUM	MG/KG	5.05	390									

Exceedances in bold
 ND () = Non detect at stated reporting limit
 J = estimated value

Table 6
Summary of Analytical Results 2009 to 2010
Acid Brook Delta Uplands

Location (Boring ID)				536N-242	536N-243	536N-244	536N-245	536N-246	536N-247	536N-248	536N-248	536N-249
Top (ft)				1.5	1.5	1.5	1.5	0	0	0	0	0
Bottom (ft)				2	2	2	2	0.5	0.5	0.5	0.5	0.5
Sample ID				POM-S-536-242(1.5-2.0)	POM-S-536-243(1.5-2.0)	POM-S-536-244(1.5-2.0)	POM-S-536-245(1.5-2.0)	POM-S-536-246(0.0-0.5)	POM-S-536-247(0.0-0.5)	POM-S-536-248(0.0-0.5) DUP	POM-S-536-248(0.0-0.5)	POM-S-536-249(0.0-0.5)
Lab ID				5867678	5867694	5867695	5867696	5867680	5867679	5867685	5867681	5867686
Date				12/15/09	12/16/09	12/16/09	12/16/09	12/16/09	12/16/09	12/16/09	12/16/09	12/16/09
Field Medium				Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Analyte	Units	Surface (0-0.5 Foot) Criteria	Subsurface (>0.5 foot) NJ RDC SRS							DUP		
COPPER	MG/KG	1100	3100									
LEAD	MG/KG	400	400	348	305	105	78.7	297	208	225	227	257
MERCURY	MG/KG	20.5	23									
SELENIUM	MG/KG	5.05	390									

Exceedances in bold
 ND () = Non detect at stated reporting limit
 J = estimated value

Table 6
Summary of Analytical Results 2009 to 2010
Acid Brook Delta Uplands

Location (Boring ID)				536N-250	536N-251	536N-253	536N-254	536N-255	536N-257	536N-258	536N-259	536N-260
Top (ft)				6	6	6	5	5	5	3	3	3
Bottom (ft)				6.5	6.5	6.5	5.5	5.5	5.5	3.5	3.5	3.5
Sample ID				POM-S-536-250(6.0-6.5)	POM-S-536-251(6.0-6.5)	POM-S-536-253(6.0-6.5)	POM-S-536-254(5.0-5.5)	POM-S-536-255(5.0-5.5)	POM-S-536-257(5.0-5.5)	POM-S-536-258(3.0-3.5)	POM-S-536-259(3.0-3.5)	POM-S-536-260(3.0-3.5)
Lab ID				5867700	5869337	5869338	5869339	5869340	5869341	5869358	5869342	5869350
Date				12/16/09	12/17/09	12/17/09	12/17/09	12/17/09	12/17/09	12/17/09	12/17/09	12/18/09
Field Medium				Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Analyte	Units	Surface (0-0.5 Foot) Criteria	Subsurface (>0.5 foot) NJ RDC SRS									
COPPER	MG/KG	1100	3100									
LEAD	MG/KG	400	400	4.68	5.86	4.95	7.82	4.29	7.77	6.44	38.4	11.9
MERCURY	MG/KG	20.5	23	0.134 J	0.0168 J	0.083 J						
SELENIUM	MG/KG	5.05	390									

Exceedances in bold
 ND () = Non detect at stated reporting limit
 J = estimated value

Table 6
Summary of Analytical Results 2009 to 2010
Acid Brook Delta Uplands

Location (Boring ID)				536N-261	536N-262	536N-264	536N-265	536N-273	536N-273	536N-274	536N-275	536N-275
Top (ft)				3	0	0	0	0	1.5	1.5	0	1.5
Bottom (ft)				3.5	0.5	0.5	0.5	0.5	2	2	0.5	2
Sample ID				POM-S-536-261(3.0-3.5)	POM-S-536-262(0.0-0.5)	POM-S-536-264(0.0-0.5)	POM-S-536-265(0.0-0.5)	POM-S-536-273(0.0-0.5)	POM-S-536-273(1.5-2.0)	POM-S-536-274(1.5-2.0)	POM-S-536-275(0.0-0.5)	POM-S-536-275(1.5-2.0)
Lab ID				5869349	5856171	5856172	5856170	5856175	5856174	5856176	5854114	5854107
Date				12/18/09	12/3/09	12/3/09	12/3/09	12/3/09	12/3/09	12/3/09	12/2/09	12/1/09
Field Medium				Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Analyte	Units	Surface (0-0.5 Foot) Criteria	Subsurface (>0.5 foot) NJ RDC SRS									
COPPER	MG/KG	1100	3100									
LEAD	MG/KG	400	400	9.18					5.13	302	424	
MERCURY	MG/KG	20.5	23		7.17	11.8	3.23	3.51	2.83	0.051 J	22.9	
SELENIUM	MG/KG	5.05	390					ND (1.17)			12.8	

Exceedances in bold
 ND () = Non detect at stated reporting limit
 J = estimated value

Table 6
Summary of Analytical Results 2009 to 2010
Acid Brook Delta Uplands

Location (Boring ID)				536N-276	536N-276	536N-277	536N-278	536N-279	536N-282	536N-282	536N-282	536N-282
Top (ft)				0	1.5	1.5	0	0	1	3	4	5
Bottom (ft)				0.5	2	2	0.5	0.5	1.5	3.5	4.5	5.5
Sample ID				POM-S-536-276(0.0-0.5)	POM-S-536-276(1.5-2.0)	POM-S-536-277(1.5-2.0)	POM-S-536-278(0.0-0.5)	POM-S-536-279(0.0-0.5)	POM-S-536-282(1.0-1.5)	POM-S-536-282(3.0-3.5)	POM-S-536-282(4.0-4.5)	POM-S-536-282(5.0-5.5)
Lab ID				5854108	5856177	5872571	5854103	5854104	5861112	5861113	5861114	5861115
Date				12/1/09	12/4/09	12/22/09	12/1/09	12/1/09	12/7/09	12/7/09	12/7/09	12/7/09
Field Medium				Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Analyte	Units	Surface (0-0.5 Foot) Criteria	Subsurface (>0.5 foot) NJ RDC SRS									
COPPER	MG/KG	1100	3100									
LEAD	MG/KG	400	400	50.5	3.55	35.1 J	126	324	353	5.61	12.7	8.76
MERCURY	MG/KG	20.5	23	5.09	0.0148 J	4.17					17.3 J	1.12 J
SELENIUM	MG/KG	5.05	390	3.64			4.23	7.68 J				

Exceedances in bold
 ND () = Non detect at stated reporting limit
 J = estimated value

Table 6
Summary of Analytical Results 2009 to 2010
Acid Brook Delta Uplands

Location (Boring ID)				536N-283	536N-283	536N-283	536N-283	536N-283	536N-283	536N-284	536N-284	536N-284
Top (ft)				0	1	2	3	4	5	2	3	4
Bottom (ft)				0.5	1.5	2.5	3.5	4.5	5.5	2.5	3.5	4.5
Sample ID				POM-S-536-283(0.0-0.5)	POM-S-536-283(1.0-1.5)	POM-S-536-283(2.0-2.5)	POM-S-536-283(3.0-3.5)	POM-S-536-283(4.0-4.5)	POM-S-536-283(5.0-5.5)	POM-S-536-284(2.0-2.5)	POM-S-536-284(3.0-3.5)	POM-S-536-284(4.0-4.5)
Lab ID				5867670	5861128	5861129	5861130	5861110	5861111	5861124	5861125	5861126
Date				12/14/09	12/7/09	12/7/09	12/7/09	12/7/09	12/7/09	12/7/09	12/7/09	12/7/09
Field Medium				Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Analyte	Units	Surface (0-0.5 Foot) Criteria	Subsurface (>0.5 foot) NJ RDC SRS									
COPPER	MG/KG	1100	3100									
LEAD	MG/KG	400	400	311	235	1370	10.7	4.25	6.12	16.5	4.89	12.3
MERCURY	MG/KG	20.5	23	25.9	9.8 J		7.45 J	0.211 J	0.0229 J		0.042 J	ND (0.0158)
SELENIUM	MG/KG	5.05	390									

Exceedances in bold
 ND () = Non detect at stated reporting limit
 J = estimated value

Table 6
Summary of Analytical Results 2009 to 2010
Acid Brook Delta Uplands

Location (Boring ID)				536N-284	536N-285	536N-285	536N-285	536N-285	536N-285	536N-286	536N-286	536N-287
Top (ft)				5	1	2	2	4	5	1	3	1
Bottom (ft)				5.5	1.5	2.5	2.5	4.5	5.5	1.5	3.5	1.5
Sample ID				POM-S-536-284(5.0-5.5)	POM-S-536-285(1.0-1.5)	POM-S-536-285(2.0-2.5) DUP	POM-S-536-285(2.0-2.5)	POM-S-536-285(4.0-4.5)	POM-S-536-285(5.0-5.5)	POM-S-536-286(1.0-1.5)	POM-S-536-286(3.0-3.5)	POM-S-536-287(1.0-1.5)
Lab ID				5861127	5863228	5863235	5863229	5863230	5863231	5856178	5856179	5856183
Date				12/7/09	12/10/09	12/10/09	12/10/09	12/10/09	12/10/09	12/4/09	12/4/09	12/4/09
Field Medium				Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Analyte	Units	Surface (0-0.5 Foot) Criteria	Subsurface (>0.5 foot) NJ RDC SRS			DUP						
COPPER	MG/KG	1100	3100									
LEAD	MG/KG	400	400	3.82	609	776	826	20.5	1040	77.6	131	91.1
MERCURY	MG/KG	20.5	23	0.0557 J								5.35
SELENIUM	MG/KG	5.05	390									

Exceedances in bold
 ND () = Non detect at stated reporting limit
 J = estimated value

Table 6
Summary of Analytical Results 2009 to 2010
Acid Brook Delta Uplands

Location (Boring ID)				536N-287	536N-287	536N-288	536N-288	536N-289	536N-289	536N-289	536N-290	536N-290D2
Top (ft)				2	3	1	3	1	2	3	3	4
Bottom (ft)				2.5	3.5	1.5	3.5	1.5	2.5	3.5	3.5	4.5
Sample ID				POM-S-536-287(2.0-2.5)	POM-S-536-287(3.0-3.5)	POM-S-536-288(1.0-1.5)	POM-S-536-288(3.0-3.5)	POM-S-536-289(1.0-1.5)	POM-S-536-289(2.0-2.5)	POM-S-536-289(3.0-3.5)	POM-S-536-290(3.0-3.5)	POM-S-536-290D2(4.0-4.5)
Lab ID				5856184	5856185	5861118	5861119	5861120	5861121	5861122	5854109	5879771
Date				12/4/09	12/4/09	12/8/09	12/8/09	12/7/09	12/7/09	12/7/09	12/2/09	1/7/10
Field Medium				Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Analyte	Units	Surface (0-0.5 Foot) Criteria	Subsurface (>0.5 foot) NJ RDC SRS									
COPPER	MG/KG	1100	3100									
LEAD	MG/KG	400	400	301	166	510	133	50.2	260	840	235	
MERCURY	MG/KG	20.5	23			8.03 J		4.8 J				ND (0.0165)
SELENIUM	MG/KG	5.05	390									

Exceedances in bold
 ND () = Non detect at stated reporting limit
 J = estimated value

Table 6
Summary of Analytical Results 2009 to 2010
Acid Brook Delta Uplands

Location (Boring ID)				536N-291	536N-291D	536N-292	536N-292	536N-292	536N-294	536N-294	536N-295	536N-295
Top (ft)				1	4	1	2	3	1	3	2	2
Bottom (ft)				1.5	4.5	1.5	2.5	3.5	1.5	3.5	2.5	2.5
Sample ID				POM-S-536-291(1.0-1.5)	POM-S-536-291D(4.0-4.5)	POM-S-536-292(1.0-1.5)	POM-S-536-292(2.0-2.5)	POM-S-536-292(3.0-3.5)	POM-S-536-294(1.0-1.5)	POM-S-536-294(3.0-3.5)	POM-S-536-295(2.0-2.5) DUP	POM-S-536-295(2.0-2.5)
Lab ID				5856173	5872557	5861145	5861146	5861147	5863226	5863227	5861139	5861135
Date				12/3/09	12/21/09	12/9/09	12/9/09	12/9/09	12/10/09	12/10/09	12/8/09	12/8/09
Field Medium				Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Analyte	Units	Surface (0-0.5 Foot) Criteria	Subsurface (>0.5 foot) NJ RDC SRS								DUP	
COPPER	MG/KG	1100	3100									
LEAD	MG/KG	400	400	189		116	1090	5.4	626		6.25	6.17
MERCURY	MG/KG	20.5	23		14.7			0.464 J		0.536 J	0.353 J	0.226 J
SELENIUM	MG/KG	5.05	390									

Exceedances in bold
 ND () = Non detect at stated reporting limit
 J = estimated value

Table 6
Summary of Analytical Results 2009 to 2010
Acid Brook Delta Uplands

Location (Boring ID)				536N-295	536N-296	536N-296D2	536N-297	536N-297	536N-299	536N-299	536N-299	536N-299
Top (ft)				3	3	4	1	1	0	0	1	2
Bottom (ft)				3.5	3.5	4.5	1.5	1.5	0.5	0.5	1.5	2.5
Sample ID				POM-S-536-295(3.0-3.5)	POM-S-536-296(3.0-3.5)	POM-S-536-296(4.0-4.5)	POM-S-536-297(1.0-1.5) DUP	POM-S-536-297(1.0-1.5)	POM-S-536-299(0.0-0.5) DUP	POM-S-536-299(0.0-0.5)	POM-S-536-299(1.0-1.5)	POM-S-536-299(2.0-2.5)
Lab ID				5861140	5854112	5872551	5854111	5854110	5856181	5856180	5861141	5861142
Date				12/8/09	12/2/09	12/21/09	12/2/09	12/2/09	12/4/09	12/4/09	12/9/09	12/9/09
Field Medium				Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Analyte	Units	Surface (0-0.5 Foot) Criteria	Subsurface (>0.5 foot) NJ RDC SRS				DUP		DUP			
COPPER	MG/KG	1100	3100									
LEAD	MG/KG	400	400	23.5	324		4.96	8.79			343	555
MERCURY	MG/KG	20.5	23	8.92 J		0.0342 J	0.187	0.0639 J			12.1 J	
SELENIUM	MG/KG	5.05	390						4.87	5.51		

Exceedances in bold
 ND () = Non detect at stated reporting limit
 J = estimated value

Table 6
Summary of Analytical Results 2009 to 2010
Acid Brook Delta Uplands

Location (Boring ID)				536N-299	536N-300	536N-301	536N-302D	536N-305	536N-306	536N-306	536N-310	536N-310
Top (ft)				3	0	0	8	0	3	3	3	6
Bottom (ft)				3.5	0.5	0.5	8.5	0.5	3.5	3.5	3.5	6.5
Sample ID				POM-S-536-299(3.0-3.5)	POM-S-536-300(0.0-0.5)	POM-S-536-301(0.0-0.5)	POM-S-536-302D(8.0-8.5)	POM-S-536-305(0.0-0.5)	POM-S-536-306(3.0-3.5) DUP	POM-S-536-306(3.0-3.5)	POM-S-536-310(3.0-3.5)	POM-S-536-310(6.0-6.5)
Lab ID				5861143	5854105	5867671	6005070	5872570	5872556	5872552	5867687	5867688
Date				12/9/09	12/1/09	12/15/09	6/10/10	12/22/09	12/21/09	12/21/09	12/16/09	12/16/09
Field Medium				Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Analyte	Units	Surface (0-0.5 Foot) Criteria	Subsurface (>0.5 foot) NJ RDC SRS						DUP			
COPPER	MG/KG	1100	3100									
LEAD	MG/KG	400	400	128	165	145		174 J	28.2 J	32.1 J	199	
MERCURY	MG/KG	20.5	23				0.733		2.74	1.83		0.174
SELENIUM	MG/KG	5.05	390		10	ND (1.13)		ND (1.2)				

Exceedances in bold
 ND () = Non detect at stated reporting limit
 J = estimated value

Table 6
Summary of Analytical Results 2009 to 2010
Acid Brook Delta Uplands

Location (Boring ID)				536N-313	536N-314	536N-314	536N-315	536N-315	536N-316	536N-316	536N-317	536N-321
Top (ft)				6	2	4	1	7	4	5	4	5
Bottom (ft)				6.5	2.5	4.5	1.5	7.5	4.5	5.5	4.5	5.5
Sample ID				POM-S-536-313(6.0-6.5)	POM-S-536-314(2.0-2.5)	POM-S-536-314(4.0-4.5)	POM-S-536-315(1.0-1.5)	POM-S-536-315(7.0-7.5)	POM-S-536-316(4.0-4.5)	POM-S-536-316(5.0-5.5)	POM-S-536-317(4.0-4.5)	POM-S-536-321(5.0-5.5)
Lab ID				5867669	5867692	5867693	5867667	5867668	5877940	5877941	5877942	5861123
Date				12/14/09	12/16/09	12/16/09	12/14/09	12/14/09	1/5/10	1/5/10	1/5/10	12/7/09
Field Medium				Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Analyte	Units	Surface (0-0.5 Foot) Criteria	Subsurface (>0.5 foot) NJ RDC SRS									
COPPER	MG/KG	1100	3100									
LEAD	MG/KG	400	400	245	174		478		660		11.8	40
MERCURY	MG/KG	20.5	23	61.1		7.65		1.74		0.213	2.71	6.96 J
SELENIUM	MG/KG	5.05	390									

Exceedances in bold
 ND () = Non detect at stated reporting limit
 J = estimated value

Table 6
Summary of Analytical Results 2009 to 2010
Acid Brook Delta Uplands

Location (Boring ID)				536N-325	536N-325	536N-326	536N-328	536N-329	536N-329	536N-329	536N-330	536N-330
Top (ft)				0	0	0	0	0	2	3	0	0
Bottom (ft)				0.5	0.5	0.5	0.5	0.5	2.5	3.5	0.5	0.5
Sample ID				POM-S-536-325(0.0-0.5) DUP	POM-S-536-325(0.0-0.5)	POM-S-536-326(0.0-0.5)	POM-S-536-328(0.0-0.5)	POM-S-536-329(0.0-0.5)	POM-S-536-329(2.0-2.5)	POM-S-536-329(3.0-3.5)	POM-S-536-330(0.0-0.5)	POM-S-536-330(0.0-0.5)
Lab ID				5869363	5869359	5869354	5872569	5869351	5869352	5869353	5869343	5872559
Date				12/18/09	12/18/09	12/18/09	12/22/09	12/18/09	12/18/09	12/18/09	12/17/09	12/22/09
Field Medium				Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Analyte	Units	Surface (0-0.5 Foot) Criteria	Subsurface (>0.5 foot) NJ RDC SRS	DUP								
COPPER	MG/KG	1100	3100									
LEAD	MG/KG	400	400			303	103 J		922			227 J
MERCURY	MG/KG	20.5	23	15.3	10.2			29.3		0.518	43.1	
SELENIUM	MG/KG	5.05	390									

Exceedances in bold
 ND () = Non detect at stated reporting limit
 J = estimated value

Table 6
Summary of Analytical Results 2009 to 2010
Acid Brook Delta Uplands

Location (Boring ID)				536N-330	536N-330	536N-330	536N-330	536N-331	536N-331	536N-331	536N-332	536N-333
Top (ft)				1	2	2	2	0	2	3	5	5
Bottom (ft)				1.5	2.5	2.5	2.5	0.5	2.5	3.5	5.5	5.5
Sample ID				POM-S-536-330(1.0-1.5)	POM-S-536-330(2.0-2.5) DUP	POM-S-536-330(2.0-2.5)	POM-S-536-330(2.0-2.5)	POM-S-536-331(0.0-0.5)	POM-S-536-331(2.0-2.5)	POM-S-536-331(3.0-3.5)	POM-S-536-332(5.0-5.5)	POM-S-536-333(5.0-5.5)
Lab ID				5872560	5869348	5869344	5872561	5872562	5872563	5872564	5872574	5872558
Date				12/22/09	12/17/09	12/17/09	12/22/09	12/22/09	12/22/09	12/22/09	12/22/09	12/21/09
Field Medium				Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Analyte	Units	Surface (0-0.5 Foot) Criteria	Subsurface (>0.5 foot) NJ RDC SRS		DUP							
COPPER	MG/KG	1100	3100									
LEAD	MG/KG	400	400		346	386	299 J	522 J	6.06 J			
MERCURY	MG/KG	20.5	23	3.44						1.3	0.189	1.9
SELENIUM	MG/KG	5.05	390									

Exceedances in bold
 ND () = Non detect at stated reporting limit
 J = estimated value

Table 6
Summary of Analytical Results 2009 to 2010
Acid Brook Delta Uplands

Location (Boring ID)				536N-334	536N-335	536N-335	536N-336	536N-336	536N-338	536N-338	536N-343	536N-343
Top (ft)				1.5	2	3	0	3	1	2	1	1
Bottom (ft)				2	2.5	3.5	0.5	3.5	1.5	2.5	1.5	1.5
Sample ID				POM-S-536-334(1.5-2.0)	POM-S-536-335(2.0-2.5)	POM-S-536-335(3.0-3.5)	POM-S-536-336(0.0-0.5)	POM-S-536-336(3.0-3.5)	POM-S-536-338(1.0-1.5)	POM-S-536-338(2.0-2.5)	POM-S-536-343(1.0-1.5) DUP	POM-S-536-343(1.0-1.5)
Lab ID				5872565	5872566	5872567	5879772	5879773	5877944	5877945	5879769	5879765
Date				12/22/09	12/22/09	12/22/09	1/7/10	1/7/10	1/6/10	1/6/10	1/7/10	1/7/10
Field Medium				Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Analyte	Units	Surface (0-0.5 Foot) Criteria	Subsurface (>0.5 foot) NJ RDC SRS								DUP	
COPPER	MG/KG	1100	3100									
LEAD	MG/KG	400	400				1050					
MERCURY	MG/KG	20.5	23	0.0249 J	0.0807 J	0.066 J	103	14	3.62	9.91	5.23	7.59
SELENIUM	MG/KG	5.05	390									

Exceedances in bold
 ND () = Non detect at stated reporting limit
 J = estimated value

Table 6
Summary of Analytical Results 2009 to 2010
Acid Brook Delta Uplands

Location (Boring ID)				536N-343	536N-344	536N-347	536N-348	536N-349	536N-350	536N-351	536N-356	536N-356
Top (ft)				2	1	0	0	1	4	3	6	6.5
Bottom (ft)				2.5	1.5	0.5	0.5	1.5	4.5	3.5	6.5	7
Sample ID				POM-S-536-343(2.0-2.5)	POM-S-536-344(1.0-1.5)	POM-S-536-347(0.0-0.5)	POM-S-536-348(0.0-0.5)	POM-S-536-349(1.0-1.5)	POM-S-536-350(4.0-4.5)	POM-S-536-351(3.0-3.5)	POM-S-536-356(6.0-6.5)	POM-S-536-356(6.5-7.0)
Lab ID				5879770	5877943	5980919	5980920	5990720	5990719	5990723	5990721	5990722
Date				1/7/10	1/6/10	5/14/10	5/14/10	5/25/10	5/25/10	5/25/10	5/25/10	5/25/10
Field Medium				Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Analyte	Units	Surface (0-0.5 Foot) Criteria	Subsurface (>0.5 foot) NJ RDC SRS									
COPPER	MG/KG	1100	3100									
LEAD	MG/KG	400	400					157	233	138	469	1560
MERCURY	MG/KG	20.5	23	0.405	53.7						491	899
SELENIUM	MG/KG	5.05	390			12.6	1.36 J					

Exceedances in bold
ND () = Non detect at stated reporting limit
J = estimated value

Table 6
Summary of Analytical Results 2009 to 2010
Acid Brook Delta Uplands

Location (Boring ID)		536N-356	536N-357		
Top (ft)		7	6		
Bottom (ft)		7.5	6.5		
Sample ID		POM-S-536-356(7.0-7.5)	POM-S-536-357(6.0-6.5)		
Lab ID		6005071	6005072		
Date		6/10/10	6/10/10		
Field Medium		Soil	Soil		
Analyte	Units	Surface (0-0.5 Foot) Criteria	Subsurface (>0.5 foot) NJ RDC SRS		
COPPER	MG/KG	1100	3100		
LEAD	MG/KG	400	400	4.1	6.19
MERCURY	MG/KG	20.5	23	0.453	0.318
SELENIUM	MG/KG	5.05	390		

Exceedances in bold
 ND () = Non detect at stated reporting limit
 J = estimated value

Table 7
Summary of Analytical Results
Pompton Lake Shoreline
Pompton Lakes, NJ

Location (Boring ID)			6700-11-1	6700-12.01-1	6700-12-1	6700-13-1	6700-14-1	6700-15.01-1	6700-15.01-1	6700-15-1	6702-200-1
Top (ft)			0	0	0	0	0	0	0	0	0
Bottom (ft)			0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Sample ID			POM-S-6700-11-1(0-0.5)	POM-S-6700-12.01-1(0-0.5)	POM-S-6700-12-1(0-0.5)	POM-S-6700-13-1(0-0.5)	POM-S-6700-14-1(0-0.5)	POM-S-6700-15.01-1(0-0.5)	POM-S-6700-15.01-1(0-0.5)-DUP	POM-S-6700-15-1(0-0.5)	POM-S-6702-200-1(0-0.5)
Lab ID			5983698	5983700	5983699	5983701	5983702	5983704	5983708	5983703	5983712
Date			5/18/10	5/18/10	5/18/10	5/18/10	5/18/10	5/18/10	5/18/10	5/18/10	5/18/10
Field Medium			Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Analyte	Units	NJ RDC SRS							DUP		
LEAD	MG/KG	400	26.4	82.9	171	511	89.5	32.9	43.8	24	153
MERCURY	MG/KG	23	0.701 J	0.215 J	0.508 J	1.23 J	0.217 J	0.39 J	0.387 J	0.0351 J	1.75 J

Exceedances in bold

ND () = Non detect at stated reporting limit

J = estimated value

Table 7
 Summary of Analytical Results
 Pompton Lake Shoreline
 Pompton Lakes, NJ

Location (Boring ID)			6702-201-1	6702-202-1	6702-205-1	6702-73-1	6702-74-1	6702-75-1	6702-76-1	6702-77-1	6702-78-1
Top (ft)			0	0	0	0	0	0	0	0	0
Bottom (ft)			0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Sample ID			POM-S-6702-201-1(0-0.5)	POM-S-6702-202-1(0-0.5)	POM-S-6702-205-1(0-0.5)	POM-S-6702-73-1(0-0.5)	POM-S-6702-74-1(0-0.5)	POM-S-6702-75-1(0.0-0.5)	POM-S-6702-76-1(0-0.5)	POM-S-6702-77-1(0-0.5)	POM-S-6702-78-1(0-0.5)
Lab ID			5983711	5983710	5983709	5983713	5983714	5993472	5983715	5983716	5983761
Date			5/18/10	5/18/10	5/18/10	5/18/10	5/18/10	5/27/10	5/18/10	5/18/10	5/18/10
Field Medium			Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Analyte	Units	NJ RDC SRS									
LEAD	MG/KG	400	51.3	22.4	52.4	91.4	24.2	67.2	90.7	121	71.9
MERCURY	MG/KG	23	0.558 J	0.069 J	0.271 J	0.154 J	0.306 J	0.23	0.206 J	0.191 J	0.455

Exceedances in bold

ND () = Non detect at stated reporting limit

J = estimated value

Table 7
Summary of Analytical Results
Pompton Lake Shoreline
Pompton Lakes, NJ

Location (Boring ID)			6702-79-1	6702-80-1	6702-81-1	6702-82-1	6702-83-1	6702-85-1	6702-86-1	6702-87-1	6706-2-1
Top (ft)			0	0	0	0	0	0	0	0	0
Bottom (ft)			0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Sample ID			POM-S-6702-79-1(0-0.5)	POM-S-6702-80-1(0-0.5)	POM-S-6702-81-1(0-0.5)	POM-S-6702-82-1(0-0.5)	POM-S-6702-83-1(0-0.5)	POM-S-6702-85-1(0-0.5)	POM-S-6702-86-1(0-0.5)	POM-S-6702-87-1(0-0.5)	POM-S-6706-2-1(0-0.5)
Lab ID			5983762	5983763	5983764	5983765	5983766	5983767	5983768	5983769	5983777
Date			5/18/10	5/18/10	5/18/10	5/18/10	5/18/10	5/18/10	5/18/10	5/18/10	5/18/10
Field Medium			Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Analyte	Units	NJ RDC SRS									
LEAD	MG/KG	400	656	17.9	90.6	36.5	123	103	165	69.9	216
MERCURY	MG/KG	23	0.15	0.0699 J	0.841	0.122 J	1.1	0.203	0.315	0.325 J	0.544

Exceedances in bold

ND () = Non detect at stated reporting limit

J = estimated value

Table 7
Summary of Analytical Results
Pompton Lake Shoreline
Pompton Lakes, NJ

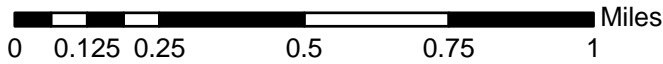
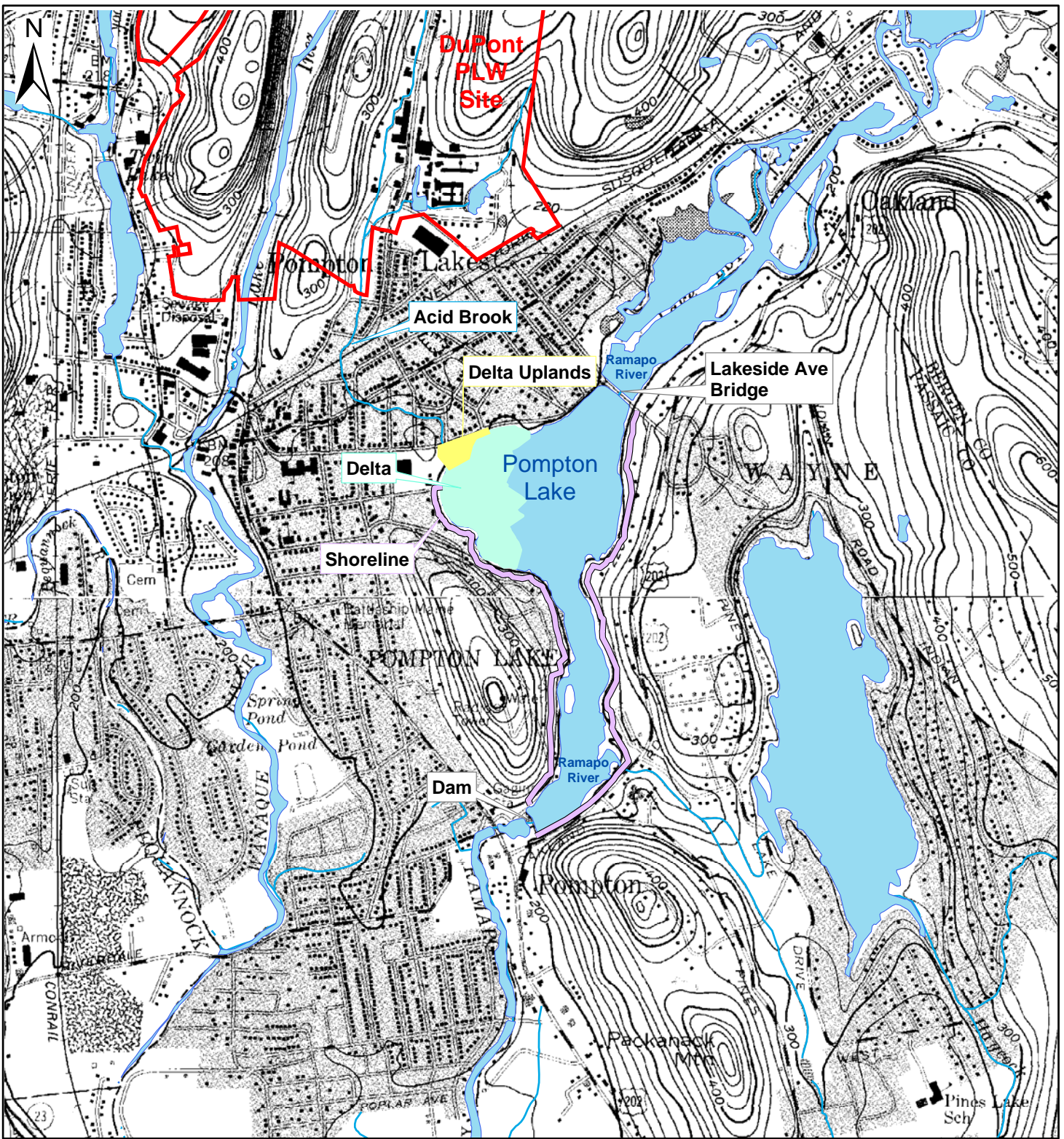
Location (Boring ID)			6706-3-1	6706-4-1	6706-6.01-1	6706-6.01-1	6706-6-1	6706-7-1	ISLAND-1
Top (ft)			0	0	0	0	0	0	0
Bottom (ft)			0.5	0.5	0.5	0.5	0.5	0.5	0.5
Sample ID			POM-S-6706-3-1(0-0.5)	POM-S-6706-4-1(0-0.5)	POM-S-6706-6.01-1(0-0.5)	POM-S-6706-6.01-1(0-0.5)-DUP	POM-S-6706-6-1(0-0.5)	POM-S-6706-7-1(0-0.5)	POM-S-ISLAND-1(0-0.5)
Lab ID			5983776	5983775	5983770	5983778	5983774	5987857	5987856
Date			5/18/10	5/18/10	5/18/10	5/18/10	5/18/10	5/20/10	5/20/10
Field Medium			Soil	Soil	Soil	Soil	Soil	Soil	Soil
Analyte	Units	NJ RDC SRS				DUP			
LEAD	MG/KG	400	193	26.2	39.8	53.2	81.4	342	184
MERCURY	MG/KG	23	0.403	0.0377 J	0.0279 J	0.0304 J	0.237	1.25	1.97

Exceedances in bold

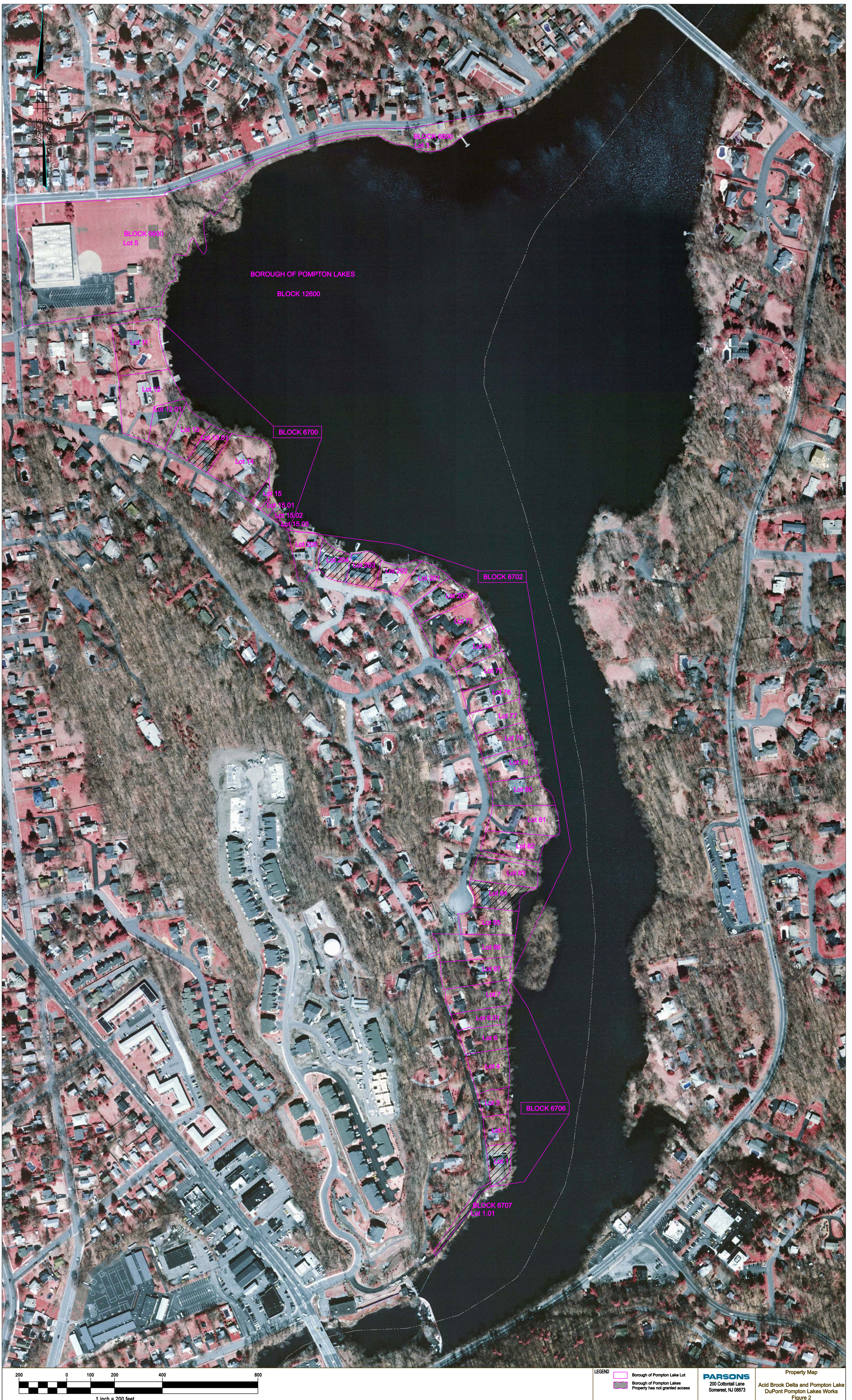
ND () = Non detect at stated reporting limit

J = estimated value

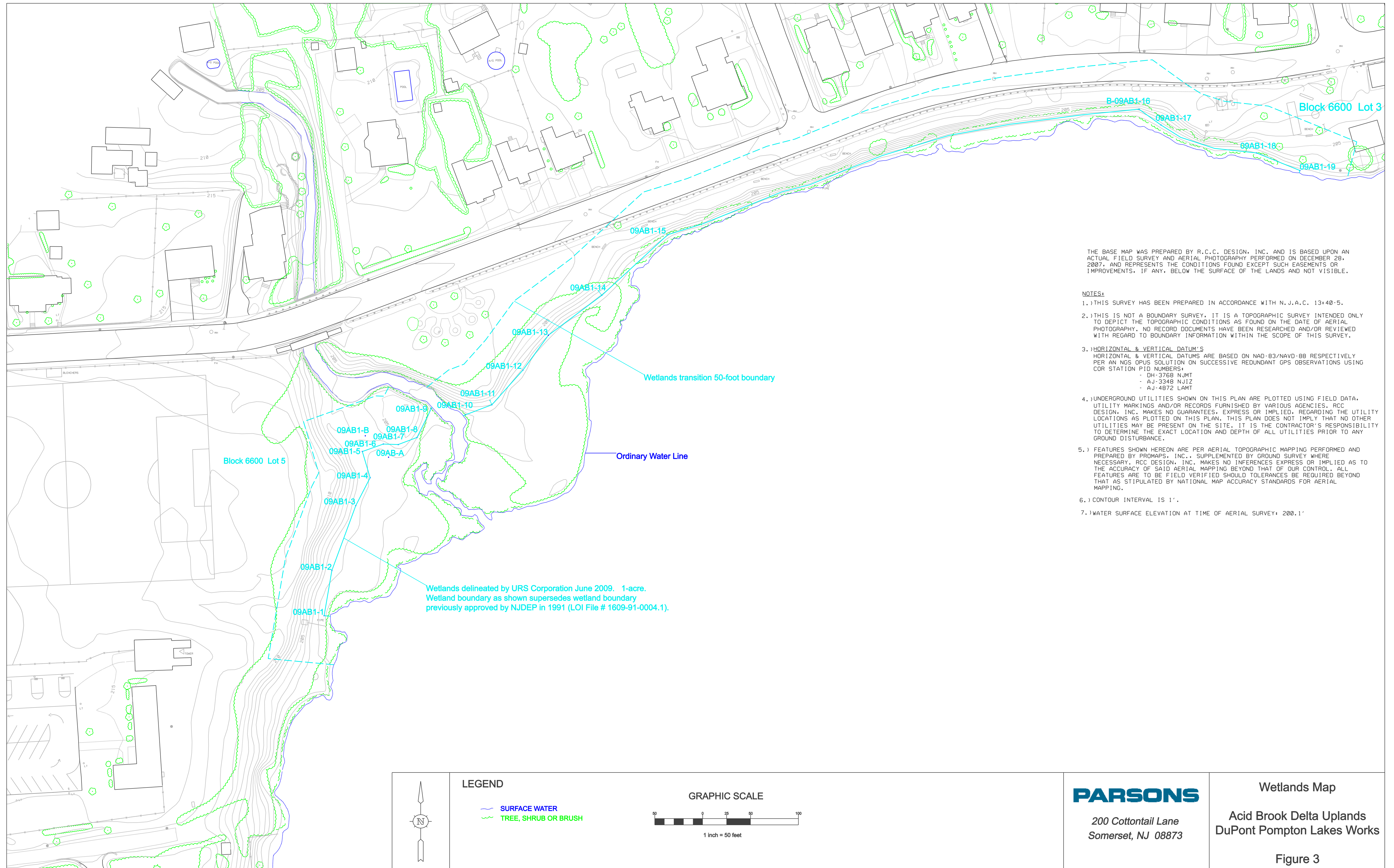
FIGURES



<p>Legend:</p> <p>Base is portions of the USGS Wanaque and Pompton Plains QUAD.</p>	<p>PARSONS</p> <p>200 Cottontail Lane South Somerset, New Jersey 08873</p>	<p>Site Location Map</p> <p>DuPont Pompton Lakes Works Pompton Lakes, New Jersey</p> <p>Figure 1</p>
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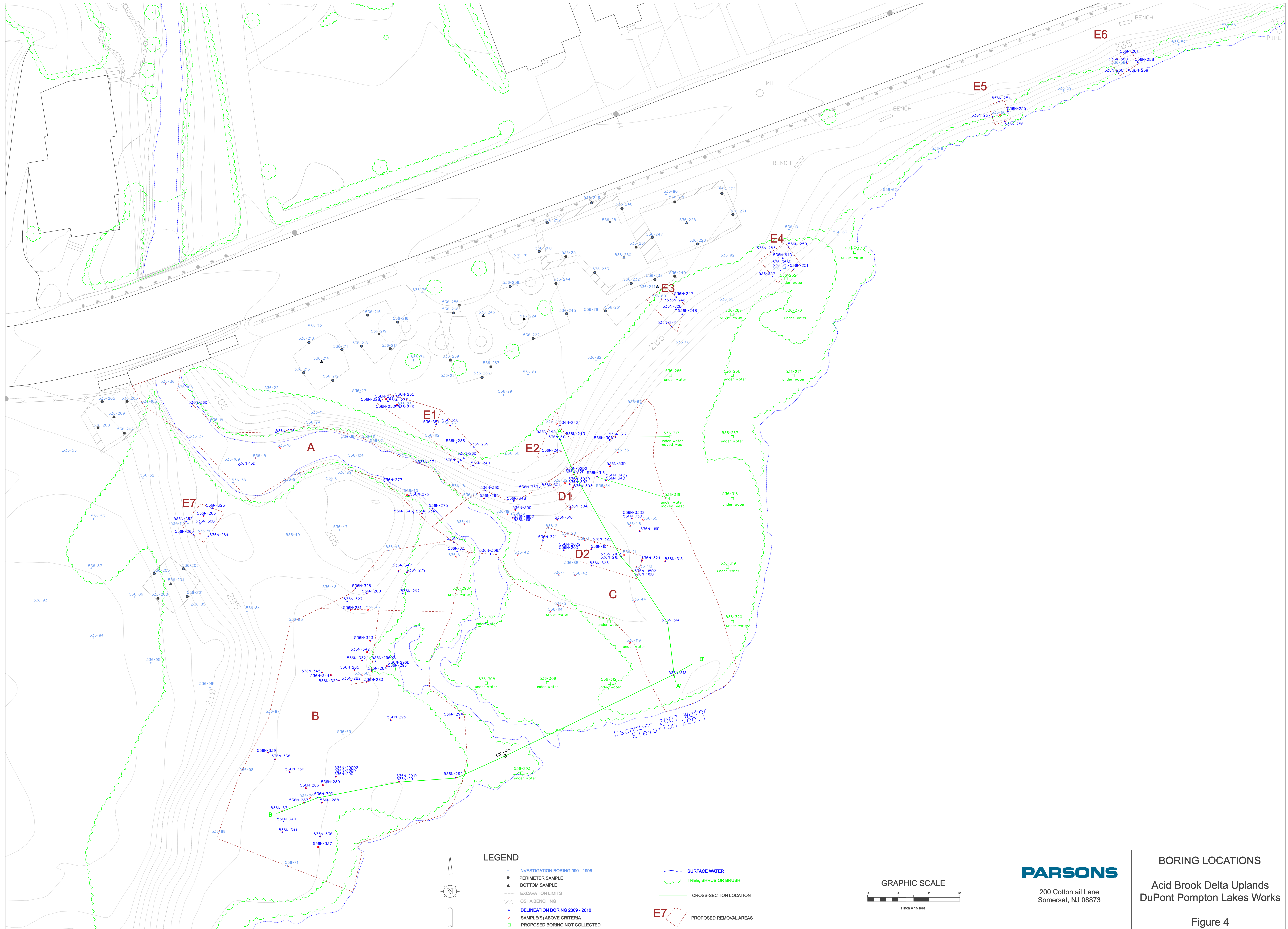
...Fig-2_Uplands Shoreline Parcels.dgn 6/14/2010 3:40:37 PM



THE BASE MAP WAS PREPARED BY R.C.C. DESIGN, INC. AND IS BASED UPON AN ACTUAL FIELD SURVEY AND AERIAL PHOTOGRAPHY PERFORMED ON DECEMBER 28, 2007, AND REPRESENTS THE CONDITIONS FOUND EXCEPT SUCH EASEMENTS OR IMPROVEMENTS, IF ANY, BELOW THE SURFACE OF THE LANDS AND NOT VISIBLE.

- NOTES:**
- 1.) THIS SURVEY HAS BEEN PREPARED IN ACCORDANCE WITH N.J.A.C. 13:40-5.
 - 2.) THIS IS NOT A BOUNDARY SURVEY. IT IS A TOPOGRAPHIC SURVEY INTENDED ONLY TO DEPICT THE TOPOGRAPHIC CONDITIONS AS FOUND ON THE DATE OF AERIAL PHOTOGRAPHY. NO RECORD DOCUMENTS HAVE BEEN RESEARCHED AND/OR REVIEWED WITH REGARD TO BOUNDARY INFORMATION WITHIN THE SCOPE OF THIS SURVEY.
 - 3.) HORIZONTAL & VERTICAL DATUMS
 HORIZONTAL & VERTICAL DATUMS ARE BASED ON NAD-83/NAVD-88 RESPECTIVELY PER AN NGS OPUS SOLUTION ON SUCCESSIVE REDUNDANT GPS OBSERVATIONS USING COR STATION PID NUMBERS:
 - DH-3768 NJMT
 - AJ-3348 NJIZ
 - AJ-4872 LAMT
 - 4.) UNDERGROUND UTILITIES SHOWN ON THIS PLAN ARE PLOTTED USING FIELD DATA, UTILITY MARKINGS AND/OR RECORDS FURNISHED BY VARIOUS AGENCIES. RCC DESIGN, INC. MAKES NO GUARANTEES, EXPRESS OR IMPLIED, REGARDING THE UTILITY LOCATIONS AS PLOTTED ON THIS PLAN. THIS PLAN DOES NOT IMPLY THAT NO OTHER UTILITIES MAY BE PRESENT ON THE SITE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO ANY GROUND DISTURBANCE.
 - 5.) FEATURES SHOWN HEREON ARE PER AERIAL TOPOGRAPHIC MAPPING PERFORMED AND PREPARED BY PROMAPS, INC., SUPPLEMENTED BY GROUND SURVEY WHERE NECESSARY. RCC DESIGN, INC. MAKES NO INFERENCES EXPRESS OR IMPLIED AS TO THE ACCURACY OF SAID AERIAL MAPPING BEYOND THAT OF OUR CONTROL. ALL FEATURES ARE TO BE FIELD VERIFIED SHOULD TOLERANCES BE REQUIRED BEYOND THAT AS STIPULATED BY NATIONAL MAP ACCURACY STANDARDS FOR AERIAL MAPPING.
 - 6.) CONTOUR INTERVAL IS 1'.
 - 7.) WATER SURFACE ELEVATION AT TIME OF AERIAL SURVEY: 200.1'

	<p>LEGEND</p> <p> SURFACE WATER</p> <p> TREE, SHRUB OR BRUSH</p>	<p>GRAPHIC SCALE</p> <p>1 inch = 50 feet</p>	<p>PARSONS</p> <p>200 Cottontail Lane Somerset, NJ 08873</p>	<p>Wetlands Map</p> <p>Acid Brook Delta Uplands DuPont Pompton Lakes Works</p> <p>Figure 3</p>
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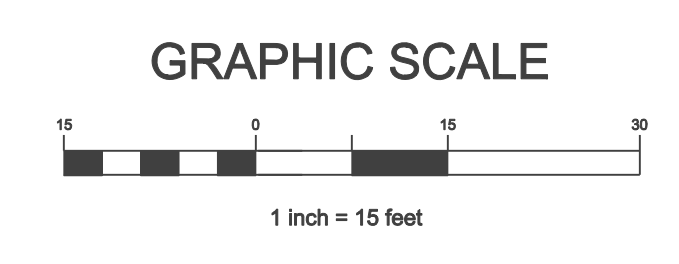


..Fig-4, Uplands Boring Locs.dgn 6/13/2010 4:27:22 PM

LEGEND

- INVESTIGATION BORING 990 - 1996
- ▲ PERIMETER SAMPLE
- BOTTOM SAMPLE
- EXCAVATION LIMITS
- OSHA BENCHING
- DELINEATION BORING 2009 - 2010
- ▲ SAMPLE(S) ABOVE CRITERIA
- PROPOSED BORING NOT COLLECTED

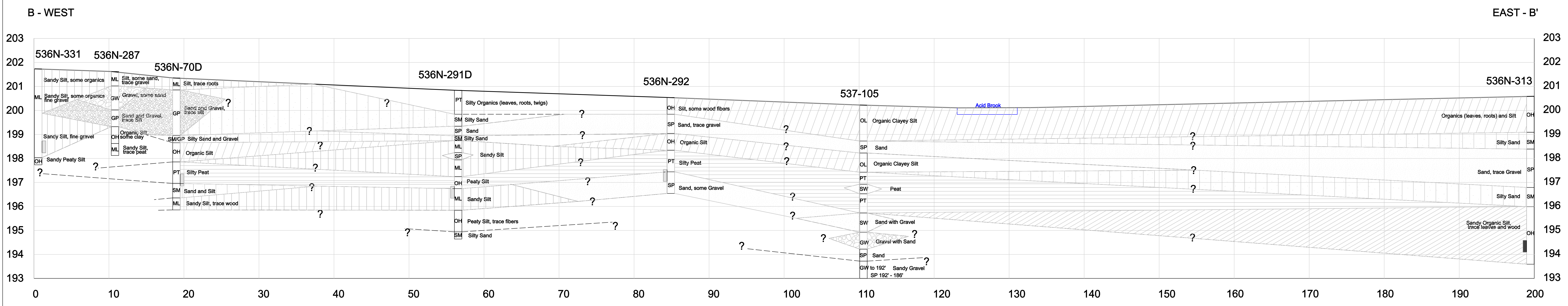
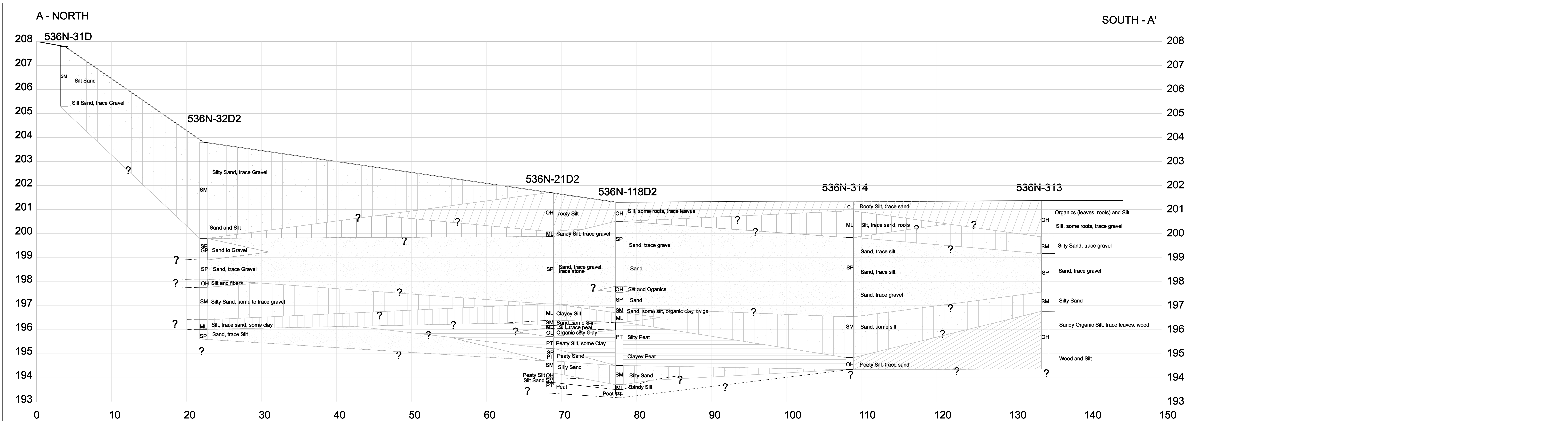
- SURFACE WATER
- TREE, SHRUB OR BRUSH
- CROSS-SECTION LOCATION
- E7 PROPOSED REMOVAL AREAS




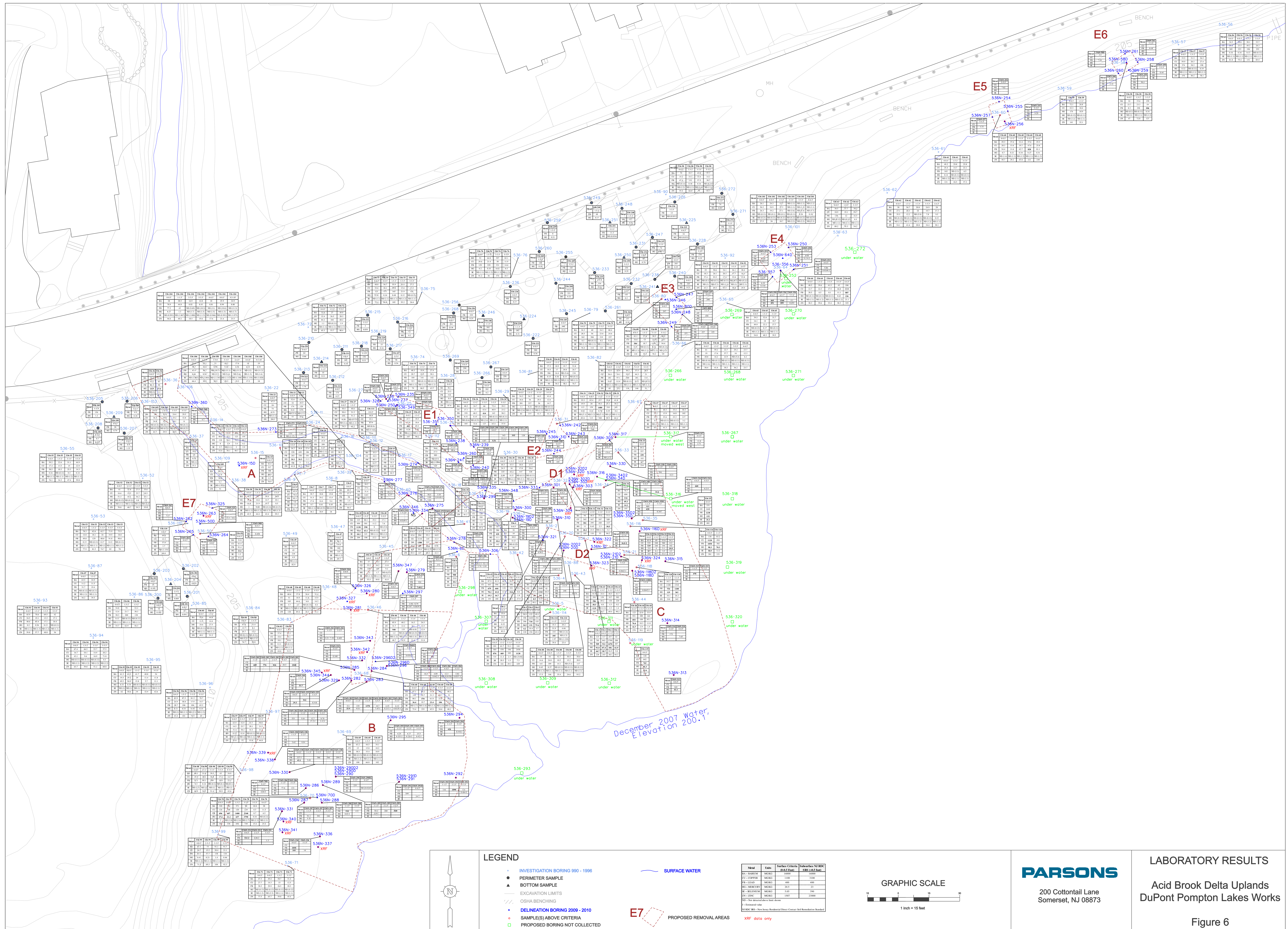
PARSONS
 200 Cottontail Lane
 Somerset, NJ 08873

BORING LOCATIONS
 Acid Brook Delta Uplands
 DuPont Pompton Lakes Works

Figure 4



 200 Cottontail Lane Somerset, NJ 08873	CROSS-SECTIONS A-A' and B-B'
	Acid Brook Delta Uplands DuPont Pompton Lakes Works
	Figure 5



LEGEND

- INVESTIGATION BORING 1990 - 1996
- ▲ PERIMETER SAMPLE
- BOTTOM SAMPLE
- EXCAVATION LIMITS
- OSHA BENCHMARK
- DELINEATION BORING 2009 - 2010
- SAMPLE(S) ABOVE CRITERIA
- PROPOSED BORING NOT COLLECTED

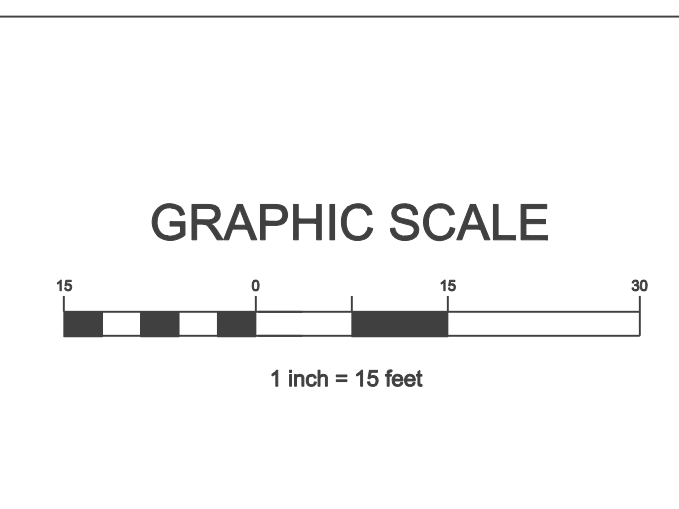
— SURFACE WATER

□ PROPOSED REMOVAL AREAS

E7

Metals	Units	Surface Criteria (MCL/SL)	Subsurface NJ DRC (MCL/SL)
As	mg/kg	10000	10000
Cd	mg/kg	1000	1000
Pb	mg/kg	400	400
Hg	mg/kg	30	30
Cr	mg/kg	100	100
Mn	mg/kg	1000	1000
Se	mg/kg	100	100

* Estimated value
 MCL/SL: Maximum Contaminant Level/Secondary Maximum Contaminant Level
 DRC: Designated Residual Concentration
 XRF data only



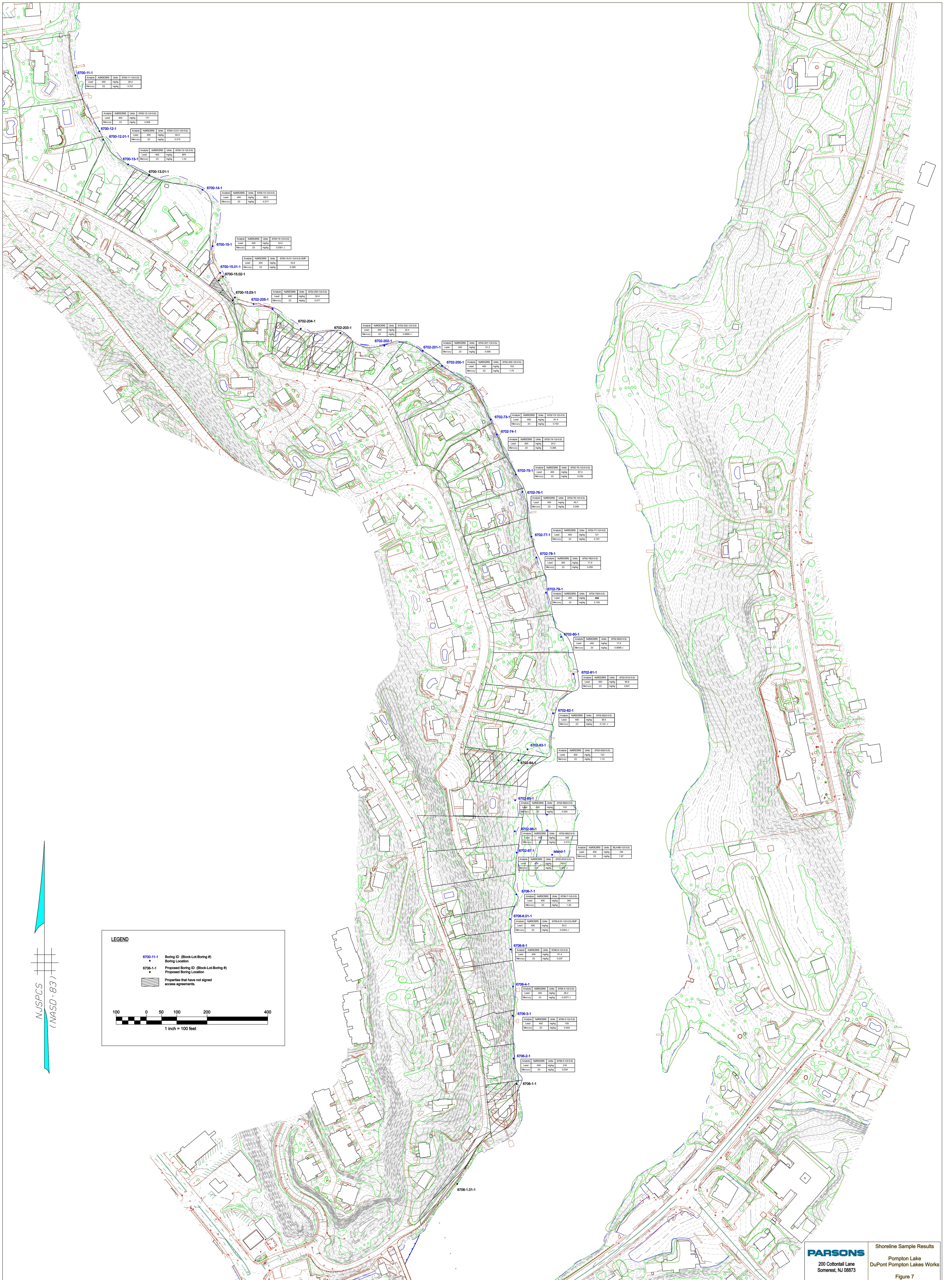
PARSONS

200 Cottontail Lane
Somerset, NJ 08873

LABORATORY RESULTS

Acid Brook Delta Uplands
DuPont Pompton Lakes Works

Figure 6

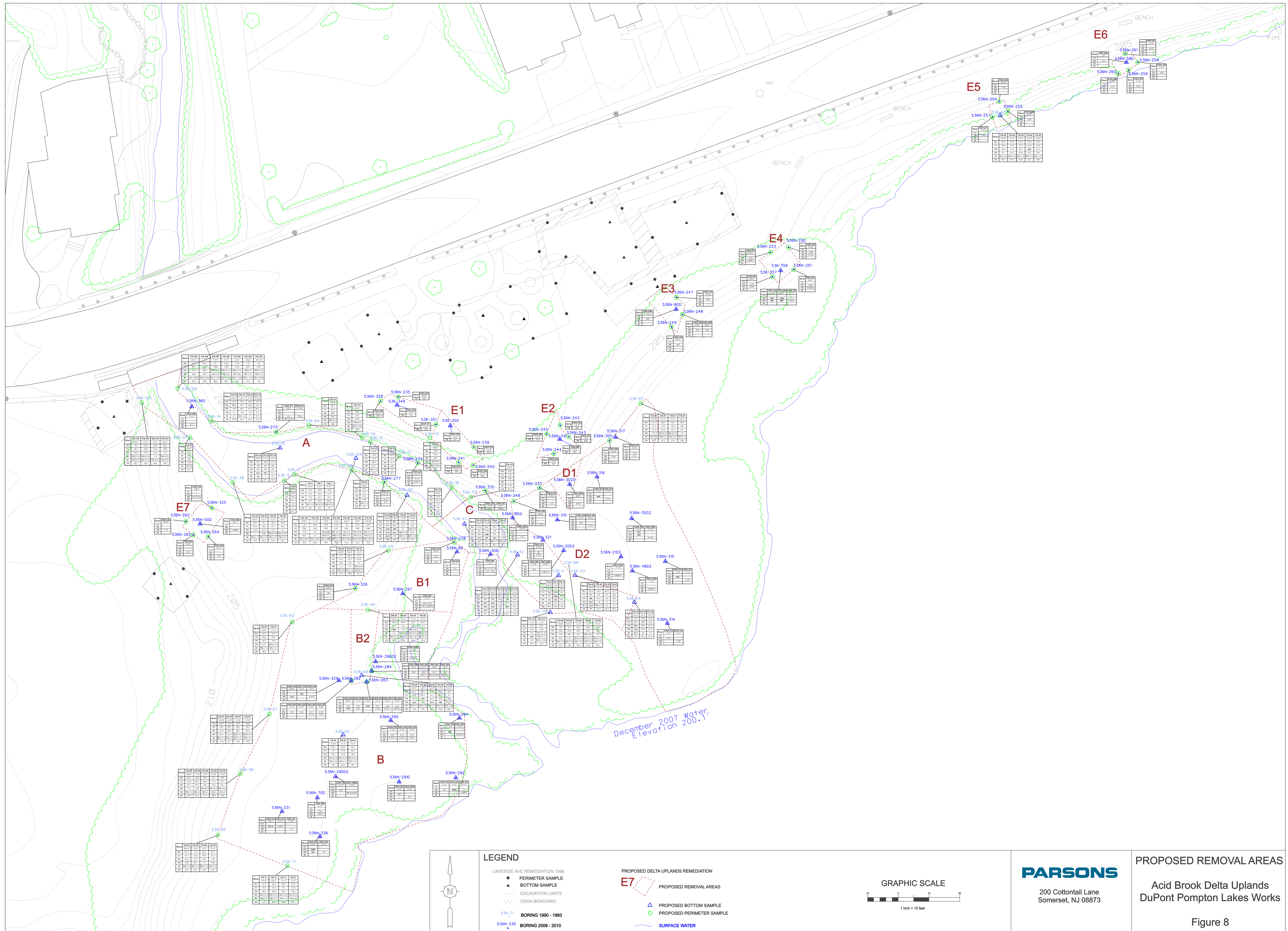


LEGEND

- 6700-11-1 Boring ID (Block-Lot-Boring #)
- Boring Location
- 6706-1-1 Proposed Boring ID (Block-Lot-Boring #)
- Proposed Boring Location
- ▨ Properties that have not signed access agreements.

100 0 50 100 200 400
1 inch = 100 feet

NJSPCS
 (NASD-83)



APPENDIX A



**New Jersey Department of Environmental Protection
Site Remediation Program**

INSTRUCTIONS FOR THE REMEDIAL INVESTIGATION REPORT FORM

General Instructions

1. **Applicability** – Use this form when submitting a *Remedial Investigation Report (RIR)*. The purpose of a remedial investigation (RI) is to fully delineate the extent of contamination in all impacted media and to define the subsurface conditions that result in contaminant transport. As the investigation continues, the sampling results are evaluated to determine if any human or ecological receptors are potentially impacted, to conduct sampling to evaluate that potential impact allowing for expedited corrective action as needed. Samples are collected until the full extent of the discharge is defined horizontally and vertically in any impacted media. Data is also collected to assist in the development of site specific remediation standards. The results of the remedial investigation is tabulated, represented on maps and charts, interpreted and consolidated in a single, comprehensive remedial investigation report. **This report is used to develop a remedial action workplan or final remedy to clean up contamination exceeding remediation standards.**
2. The NJDEP may update this form periodically. Please ensure you are using the latest version of this form. Download the latest version of this form from the NJDEP Website: <http://www.nj.gov/dep/srp/srra/forms/>.
3. It is **not** required to submit this form in duplicate.
4. Please make sure you check the appropriate box with regards to the signatory requirements as it pertains to the current status of the case; i.e.: non-LSRP (existing cases) – cases that have been with the Department prior to November 3, 2009 and are NOT regulated underground storage tanks(USTS); LSRP – cases that have come into the Department on or after November 3, 2009 or have an approved Request To Proceed Without Department Pre-Approvals Form; or Subsurface Evaluator – for existing regulated UST cases and cases with unregulated heating oil tanks (UHOT) where you are an NJDEP licensed Subsurface Evaluator. Insure that the corresponding signature page is included with the form.

Be advised that the Non-LSRP option will only be available until May 7, 2012. Also, the Subsurface Evaluator option will only be available on forms specific to the UHOT Program after May 7, 2012.

5. Completed forms should be sent to:

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

Section A. Site Name and Location

- Site Name-provide the name of the site i.e. ABC Corporation Site;
- List all other known names for the site;
- Provide the street address for the site. NOTE: This should be the physical location of the site – not be the mailing address;
- Provide the name of the municipality and state if it is a Township, a Borough, or a City. NOTE: This should be the name of the municipality and not the local name;
- Provide the name of the County and the zip code;
- Provide the mailing address only if it is different from the street address;
- Provide all NJDEP generated site identification numbers;
- Provide all block and lot numbers for the site;
- Provide the Date Remediation Initiated: A person initiates remediation when:
 - 1) The date a person discovers or becomes liable in any way for a discharge;
 - 2) The date the owner or operator of a regulated tank system:
 - i) Determines there has been a known or suspected discharge from the regulated tank system, pursuant to N.J.A.C. 7:14B; or

- ii) Closes a regulated tank system is close pursuant to N.J.A.C. 7:14B-8.1(a)6, 9.1(d) and N.J.A.C. 7:14B-9.2;
- 3) The date the owner or operator of an ISRA industrial establishes files their General Information Notice (GIN) with the Department provided that the GIN is filed pursuant to the timeframes set forth in ISRA;
- 4) The person submits a document to the Department concerning a site for which the Department has rescinded a no further action letter or has invalidated a response action outcome, prior to the submission of the document; or
- 5) When additional remediation or other activities would result in the need to file a new deed notice or replace a declaration of environmental restrictions, associated with the real property.

Section B. Required Technical Submittals

This section is to assist the Department in understanding what is being submitted along with the Remedial Investigation Report as well as documents that were previously submitted for this case.

Section C. Site Use

- Check the boxes to all the current uses that apply to the site; and check all the boxes to all the future uses that apply to the site;

Section D. Public Funds

- Indicate if the site utilized public funds. If "Yes," check the applicable fund(s) used.

Section E. Scope of Remedial Investigation Report

Specify, via the check box, whether the RIR is for specific areas(s) of concern (AOCs) or for the entire site following the completion of an entire site PA/SI. Attach Section H2 of the PA/SI form if the RIR is submitted for specific AOCs only.

Section F. Site Conditions

1. For each media type, please indicate the current highest concentration range for each class of contaminants for one sample point. For example, if the total concentration of VOCs is 500 ppm for soils, check the box in the appropriate range category. The ranges are meant to give the Department an idea of the level and type of contamination in the affected media (i.e. an individual well that has the highest class of contaminants).

Be advised, surface water is addressed in this section so that the Department can capture the associated fee if ground water is contaminated above an applicable Surface Water Quality Standard that is an unpermitted discharge to surface water.

***Please note that the units for dioxin are in parts per billion for all media.**

2. For the contaminants in the previous section that are marked with an asterisk, please indicate the specific contaminant that has the highest concentration above the applicable remediation standards/criteria. For example, if VOCs and metals are checked for ground water, identify which individual VOC and metal has the highest level of contamination and list it with the number 2, next to it.
3. Specify via check box whether laboratory minimum detection limits are below applicable remediation standards and criteria.
4. Please indicate by checking the appropriate box(es) any and all soil and ground water conditions currently present.

Section G. Applicable Remediation Standards/Screening Levels.

On June 2, 2008, the Department adopted new Soil Remediation Standards (N.J.A.C. 7:26D). The ground water and surface water remediation standards were previously effective at N.J.A.C. 7:26E-1.13. The Remediation Standards rules and Basis and Background documents are available at <http://www.nj.gov/dep/srp/guidance/rs/>.

The default box should be checked if utilizing the Department derived default remediation standards/criteria/screening levels. The default direct contact health based criteria and soil remediation standards can be found at http://www.nj.gov/dep/srp/regs/rs/rs_appendix1.pdf. The default Impact to Ground Water Soil Screening Levels can be found in Table 1 of the Development of Site Specific Impact to Ground Water Soil Remediation Standards Using the Soil-Water Partition Equation Guidance Document found at http://www.state.nj.us/dep/srp/guidance/rs/partition_equation.pdf. The Ecological Screening Levels can be found at <http://www.state.nj.us/dep/srp/guidance/ecoscreening/>.

The default box should also be checked if the Soil Cleanup Criteria (SCC), that were in effect prior to June 2, 2008, are being applied to the site. See <http://www.state.nj.us/dep/srp/guidance/rs/phasein.htm> for guidance on which sites may continue to utilize the SCC, which were in effect prior to June 2, 2008.

Check the appropriate box if any Alternative Remediation Standards for the Ingestion/Dermal or Inhalation Pathway have been utilized in the remedial action of the site. Guidance can be found at <http://www.state.nj.us/dep/srp/guidance/rs/>.

Check the box if a site specific standard for the Impact to ground water pathway was utilized. Identify all methods that were used to develop the site specific standard. Guidance on the site specific impact to ground water soil remediation standards can be found at http://www.state.nj.us/dep/srp/guidance/rs/igw_intro.htm.

Check the box if compliance averaging was used to determine compliance with Inhalation pathway. Guidance can be found at <http://www.state.nj.us/dep/srp/guidance/rs/>.

Check the box if the compliance option was utilized for the Impact to Ground Water pathway and identify via the check boxes which compliance option was used. Guidance can be at <http://www.state.nj.us/dep/srp/guidance/rs/>.

Indicate if site specific ecological risk based remediation goals were developed. This is generally done on a site by site basis with direction from the Department.

Specify the ground water classification at the site pursuant to N.J.A.C. 7:9C.

Section H. Background Conditions

Completing a proper background investigation is one of many critical factors defining whether a person has liability for contamination found on a site. Two common scenarios related to background contamination relate to upgradient ground water contaminant sources and natural background levels of contamination in soil.

1. Specify whether **all** the contaminants found on-site are linked to on-site areas of concern. A full site PA/SI is required to support a conclusion/proposal that the contamination is from an off-site, upgradient source or from natural background conditions. If contaminants are both found on-site and from an off-site source (i.e. TCE in soil and ground water at a drum storage pad and found in ground water at an upgradient monitoring well installed away from any on-site areas of concern (as determined via a PA/SI), check "No" as the answer.
- 2.a. Specify if an upgradient investigation of ground water away from any on-site areas of concern identified that all or part of the ground water contamination is migrating onto the site. In order to answer this question, the requirements of N.J.A.C. 7:26E -3.7(g) must be followed, including but not limited to, conducting a full site PA/SI to determine if there are any on-site areas of concern that may be contributing to this contamination. If the case does not involve ground water contamination, a background investigation was not conducted or if all contamination is linked to on-site AOCs, check NA as the answer.
- 2.b. Specify whether naturally occurring soil contamination has been documented by following the requirements of N.J.A.C. 7:26E-3.10 (Site investigation - background investigation in soil). If a naturally occurring background soil contamination investigation was not completed or if all contamination is linked to on-site AOCs, check NA as the answer.

Section I. Alternative Standard/Deviations

1. Check the appropriate box if any Alternative Remediation Standards for the Ingestion/Dermal or Inhalation Pathway have been utilized in the remedial investigation of the site. Guidance can be found at <http://www.state.nj.us/dep/srp/guidance/rs/>.
2. Specify whether a deviation from N.J.A.C. 7:26E was initiated during the remedial investigation by indicating the citation and reference the applicable pages in the report that justify the technical basis for the variance.

Section J. Historic Fill

The determination that historic fill is located on a site in accordance with N.J.A.C. 7:26E-3.12 and N.J.A.C. 7:26E-4.6 limits the scope of both the remedial investigation and remedial action. If historic fill is present, rather than fully characterizing the contaminant types and concentrations, Table 4.2 of the Technical Requirements for Site Remediation may be utilized, historic fill contaminant delineation is limited to the on-site property boundaries, a ground water investigation for historic fill is only needed when receptors are proximate to the site and the presumptive remedy is capping. These same outcomes do not apply to discharges. The question in this Section will help determine if a proper historic fill investigation was completed.

1. Self explanatory. Check all that apply. NJDEP Mapped areas of historic fill can be found via <http://www.state.nj.us/dep/njgs/geodata/dqs04-7md.htm>
2. Self explanatory. Check all that apply.
3. And 4. It is very common that the presence of historic fill is first suspected via sampling of known areas of concern. In order to determine if the contamination is from a discharge or historic fill, samples to characterize historic fill must be taken away from known areas of concern. Differentiation when the same contaminants are suspected to be from historic fill and from the discharge can be difficult especially if there is no contaminant gradient or if the contaminants

are not linked to a specific fill depth/material. These questions are designed to determine if this situation is present. Questions are self-explanatory.

Section K. Ground Water Trigger

Completing a ground water investigation when triggered pursuant to N.J.A.C. 7:26E-4.4(a) is a critical step in determining if ground water is impacted and if so, initiating the required receptor evaluations that relate directly to ground water contamination both on and off-site. NOTE: In addition to the Remedial Investigation Report and form an updated Receptor Evaluation Report and form are also due pursuant to N.J.A.C. 7:26E-4.8(f).

If no ground water investigation was triggered check NA. If a ground water investigation was triggered but not conducted the answer should be "No."

Section L. Ground Water Remedial Investigation Information

1. Indicate whether any monitor wells are screened below the water table and identify them.
2. If a bedrock aquifer investigation was conducted, indicate whether bedrock cores and/or geophysical logging methods were used to characterize the bedrock aquifer. Guidance on coring methods may be found at http://www.state.nj.us/dep/srp/guidance/fspm/pdf/chapter06_all.pdf. Guidance on conducting geophysical investigations may be found at <http://www.state.nj.us/dep/srp/guidance/fspm/pdf/chapter08.pdf>

Section M. Laboratory Data

1. If "No" is checked, please indicate where in the document the deviation may be found or briefly explain in "7. Comments."
2. If "No" is checked, please indicate where in the document the deviation may be found or briefly explain in "7. Comments."
3. Indicate by checking each box that applies. If "Other" is checked, indicate what was used for the review.
4. Self explanatory.
5. Self explanatory.
6. Self explanatory.
7. Use this section for 1 and 2 above where applicable or if any additional comments are necessary.

Section N. Miscellaneous

1. Complete if the submittal involves USTs regulated pursuant to N.J.A.C. 7:14B. If the submittal does not involve regulated USTs please proceed to Item 3.
 - a. To determine the list of regulated USTs, please check the data miner report, *Regulated UST Facilities by PI Number (Facility ID), UST Summary*, for the specified PI # at http://datamine2.state.nj.us/DEP_OPRA/OpraMain/categories?category=Underground+Storage+Tanks. (DEP DATA MINER REPORTS-Underground Storage Tanks).
 - b. All USTs regulated pursuant to N.J.A.C. 7:14B must be registered. If you answered "Yes" to this question an Underground Storage Tank Facility Certification Questionnaire must be completed and submitted to the Department's Registration and Billing Unit. The form can be found at <http://www.nj.gov/dep/srp/forms/ust/ust021.pdf>.
2. **Federal Release.** This question pertains to discharges that have occurred from a federally regulated underground storage tank (UST) system(s). The Federal Energy Policy Act of 2005 requires the NJ Department of Environmental Protection (DEP) report on sources and causes of releases from these systems. In most cases the required information has already been provided on your Confirmed Discharge Notification form which should have been submitted within 5 days after the occurrence of a discharge. If you did not know the source and/or cause of the Federal Release at the time of the initial filing of the Confirmed Discharge Notification form, this information should be reported now on a revised Confirmed Discharge Notification form. Refer to www.nj.gov/dep/srp/forms/ust/ust_release_reporting.htm for additional information.
3. Identify all remedial measures being conducted at the site.
4. Indicate whether any on-site contaminated media was characterized for on-site or off-site reuse. Soil reuse guidance may be found at <http://www.state.nj.us/dep/srp/regs/soilguide/>.
5. Indicate whether any new information has been generated during the RI that changes or contradicts any conclusions previously provided in reports. Provide specific details of any changes or corrections.

Section O. Person Responsible For Conducting the Remediation Information and Certification

- Provide the full legal name of the person responsible for conducting the remediation i.e. ABC Corporation.
- Provide the full name of the representative of the person responsible for conducting the remediation, pursuant to N.J.A.C. 7:26C-1.
- Provide the title of the representative of the person responsible for conducting the remediation.
- Provide the telephone number, extension number, and fax number of the representative of the person responsible for conducting the remediation.
- Provide the mailing address, including the city/town, state, and zip code of the representative of the person responsible for conducting the remediation.
- Provide the email address of the representative of the person responsible for conducting the remediation.
- Check the box if a copy of the Developer Certification is included or provide the date the Developer Certification was filed.
- The representative for the person responsible for conducting the remediation shall provide his/her signature where indicated; shall provide his/her title i.e. President, CEO; and shall provide the date when signing occurred. See N.J.A.C. 7:26C-1 to determine who can sign the form.
- The person responsible for conducting the remediation should note by placing an "X" in the box if there have been changes in this section since the last submittal.

Section P. Based on the current case status i.e., non-LSRP (Existing Cases), LSRP and Subsurface Evaluator, please complete the appropriate signature requirements below:

Non-LSRP Site Remediation Professional Statement

- Provide the name, phone number, email and mailing address (city/town, state, zip code) of the Site Remediation Professional (Consultant).
- The statement shall be signed and dated by the Site Remediation Professional.

Licensed Site Remediation Professional Information and Statement

- LSRP ID Number: Note the Licensed Site Remediation Professional ID Number.
- Provide the name, phone number, email and mailing address (city/town, state, zip code) of the Licensed Site Remediation Professional.
- The Licensed Site Remediation Professional should note the level of oversight he/she provided by placing an "X" in appropriate box(es).
- The certification in this section shall be signed and dated by the Licensed Site Remediation Professional.
- The Licensed Site Remediation Professional should note by placing an "X" in the box if there have been no changes since the last submittal.

Subsurface Evaluator UST Report Certification Form

- Provide the facility name, phone numbers, address (city/town, state, zip code) , and block(s) and lot(s) associated with the UST.
- Provide the name of owner of the facility, address (city/town, state, zip code) and phone number.
- If available, provide the name of the case manager, the UST registration number, incident report number and TMS number.
- The certification in this section shall be signed and dated by the Subsurface Evaluator. Include the evaluator's name, UST certification number, the firm's name, the firm's UST certification number, address (city/town, state, zip code) and telephone number.



New Jersey Department of Environmental Protection
Site Remediation Program

REMEDIAL INVESTIGATION REPORT FORM

Non-LSRP (Existing Cases) LSRP Subsurface Evaluator

Date Stamp
(For Department use only)

SECTION A. SITE NAME AND LOCATION

Site Name: _____

List all AKAs: _____

Street Address: _____

Municipality: _____ (Township, Borough or City)

County: _____ Zip Code: _____

Mailing Address if different than street address: _____

Program Interest (PI) Number(s): _____ Case Tracking Number(s): _____

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

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

Municipal Block(s) and Lot(s): Block # _____ Lot # _____

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

SECTION B. REQUIRED TECHNICAL SUBMITTALS

	Not Applicable	Included in this Submission	Previously Submitted	Date of Submission	Date of Revised Submission
Immediate Environmental Concern Report	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Immediate Response Action Plans	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Preliminary Assessment Report	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Receptor Evaluation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Site Investigation Report	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Remedial Investigation/Remedial Action Work Plan	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Feasibility Study Report	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Response Action Outcome Report	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Permit Application	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		

SECTION C. SITE USE

Current Site Use (check all that apply)

- Industrial
- Residential
- Commercial
- School or child care
- Other _____
- Agricultural
- Park or recreational use
- Vacant
- Government

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

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

SECTION D. PUBLIC FUNDS

Did the remediation utilize public funds? Yes No
 If "Yes," check applicable: UST Grant UST Loan Brownfield Reimbursement Program
 HDSRF Grant HDSRF Loan Landfill Reimbursement Program
 Spill Fund Schools Development Authority

SECTION E. SCOPE OF THE REMEDIAL INVESTIGATION REPORT

Area(s) of Concern Only (If submitted for specific AOC(s), attach Section H2 of the PA/SI form.)
 Full Site (based on a completed and submitted Preliminary Assessment/Site Investigation)
 Is the Remedial Investigation complete? Yes No

SECTION F. SITE CONDITIONS

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

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

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

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

4. Are any of the following conditions currently present (check all that apply):
- | | |
|--|---|
| <p>Groundwater:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Contaminated ground water in the overburden aquifer <input type="checkbox"/> Contaminated ground water in a confined aquifer <input type="checkbox"/> Contaminated ground water in the bedrock aquifer <input type="checkbox"/> Contaminated ground water in multiple aquifer units <input type="checkbox"/> Multiple distinct ground water plumes <input type="checkbox"/> Contaminated ground water migrating off-site <input type="checkbox"/> Co-mingled on-site ground water plumes <input type="checkbox"/> Co-mingled ground water plumes from both on-site and off-site sources <input type="checkbox"/> Contaminated ground water discharging to surface water <input type="checkbox"/> Residual or free product <input type="checkbox"/> Radionuclides | <p>Soil:</p> <ul style="list-style-type: none"> <input type="checkbox"/> On-site discharge(s) impacting soil off-site <input type="checkbox"/> Chromate Production Waste <input type="checkbox"/> Munitions and explosives of concern <input type="checkbox"/> Contaminated soil in the saturated zone <input type="checkbox"/> Historic pesticide impacts to soil <input type="checkbox"/> Residual or free product <input type="checkbox"/> Radionuclides <input type="checkbox"/> Historic Fill <input type="checkbox"/> Soil contamination due to naturally occurring background conditions |
|--|---|

SECTION G. APPLICABLE REMEDIATION STANDARDS

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

- Default (check all that apply below)
 - Direct Contact Impact to Groundwater Soil Screening Levels Ecological Screening Levels
- Alternate Remediation Standards for the Ingestion/Dermal Pathway
- Alternate Remediation Standards for the Inhalation Pathway
- Site Specific Standards for the Impact to Groundwater Pathway (check all that apply below)
 - Soil-Water Partitioning Equation SPLP Sesoil Sesoil/AT123D
- Ecological Remediation Goals

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

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

SECTION H. BACKGROUND CONDITIONS

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

SECTION I. ALTERNATIVE STANDARD / DEVIATIONS

Alternative remediation standard

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

Deviation from regulations

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

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

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

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

SECTION J. HISTORIC FILL

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

SECTION K. GROUND WATER TRIGGER

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

SECTION L. GROUND WATER REMEDIAL INVESTIGATION INFORMATION

- 1. Were any monitor wells installed in unconfined aquifers in which the water table is higher than the top of the well screen? Yes No
If "Yes," identify the affected wells _____
- 2. If ground water in the bedrock aquifer is contaminated, were bedrock cores collected and/or were geophysical logging methods conducted to characterize the bedrock aquifer pursuant to N.J.A.C. 7:26E-4.4(g)5? Yes No NA

SECTION M. LABORATORY DATA

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

SECTION N. MISCELLANEOUS

- 1. Were any regulated USTs identified during the course of the RI that were not previously known? Yes No
If "Yes," list tank size, contents and registration number(s). _____
- 2. If "Yes," to item M.1. above and if these USTs were Federally Regulated, was the source/cause of release identified on a Confirmed Discharge Notification form? Yes No
If "No," complete and submit a revised Confirmed Discharge Notification form.
- 3. Identify Remedial Measures (RMs) conducted during the RI (check all that apply):
 - Soil excavation
 - Potable water supply treatment or replacement
 - Hydraulic containment of source area
 - Soil vapor extraction
 - Enhanced fluid recovery (EFR)
 - Other(s), specify: _____
 - UST closure
 - Free product recovery
 - Vapor intrusion mitigation
 - No RMs were conducted during the RI
- 4. Did the remedial investigation include sampling to characterize any on-site contaminated media for either on-site or off-site reuse? Yes No
- 5. Has new information (material facts, data or other information) been generated during the RI that corrects or contradicts information, or changes conclusions from, previously submitted reports or information? Yes No
If "Yes," explain: _____

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

Full Legal Name of the Person Responsible for Conducting the Remediation: _____

Representative First Name: _____ Representative Last Name: _____

Title: _____

Phone Number: _____ Ext: _____ Fax: _____

Mailing Address: _____

City/Town: _____ State: _____ Zip Code: _____

Email Address: _____

Developer Certification Included or Filed _____ Date of Filing _____

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

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

Signature: _____ Date: _____

Name/Title: _____ **No Changes Since Last Submittal**

SECTION P. NON-LSRP SITE REMEDIATION PROFESSIONAL STATEMENT

First Name: _____ Last Name: _____
Phone Number: _____ Ext: _____ Fax: _____
Mailing Address: _____
City/Town: _____ State: _____ Zip Code: _____
Email Address: _____
I believe that the information contained herein, and including all attached documents, is true, accurate and complete.
Signature: _____ Date: _____
Name/Title: _____
Company Name: _____

Completed forms should be sent to:

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

SECTION P. LICENSED SITE REMEDIATION PROFESSIONAL INFORMATION AND STATEMENT

LSRP ID Number: _____

First Name: _____ Last Name: _____

Phone Number: _____ Ext: _____ Fax: _____

Mailing Address: _____

City/Town: _____ State: _____ Zip Code: _____

Email Address: _____

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

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

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

- directly oversaw and supervised all of the referenced remediation, and\or*
- personally reviewed and accepted all of the referenced remediation presented herein.*

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

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

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

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

LSRP Signature: _____ Date: _____

LSRP Name/Title: _____ **No Changes Since Last Submittal**

Company Name: _____

Completed forms should be sent to:

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

SECTION P. SUBSURFACE EVALUATOR UST REPORT CERTIFICATION FORM

Facility Name: _____

Phone Number: _____ Ext: _____ Fax: _____

Facility Street Address: _____

Municipality: _____ (Township, Borough or City)

State: _____ Zip Code: _____

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

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

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

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

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

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

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

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

Owner's (or Responsible Party's) Name: _____

Street Address: _____

Municipality: _____ (Township, Borough or City)

State: _____ Zip Code: _____ Telephone Number: _____

Assigned Case Manager: _____ UST Registration Number: _____

Incident Report Number: _____ TMS Number: _____

Certification by the Subsurface Evaluator:

I certify under penalty of law that the work was performed under my oversight and I have reviewed the report and all attached documents, and the submitted information is true, accurate and complete in accordance with the requirements of N.J.A.C. 7:14B and N.J.A.C. 7:26E. I am aware that there are significant civil and criminal penalties for submitting false, inaccurate or incomplete information including fines and/or imprisonment.

Signature: _____ Date: _____

Name: _____ UST Cert. No.: _____

Firm: _____ Firm's UST Cert. Number: _____

Firm Address: _____ City: _____

State: _____ Zip Code: _____ Telephone Number: _____

Completed forms should be sent to:

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

APPENDIX B

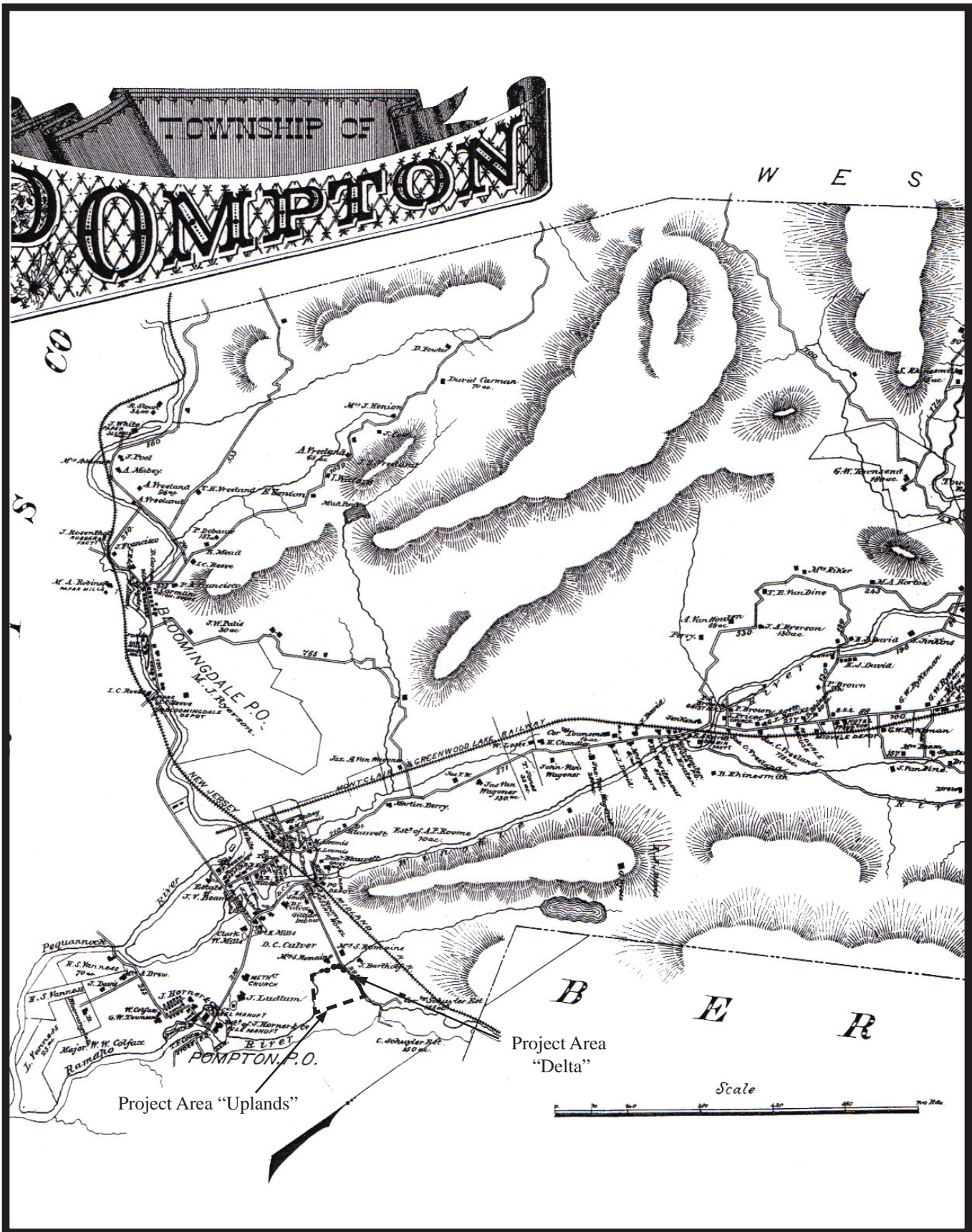


Figure 3.1 1877 map showing project area vicinity (Source: Hyde & Co. 1877).

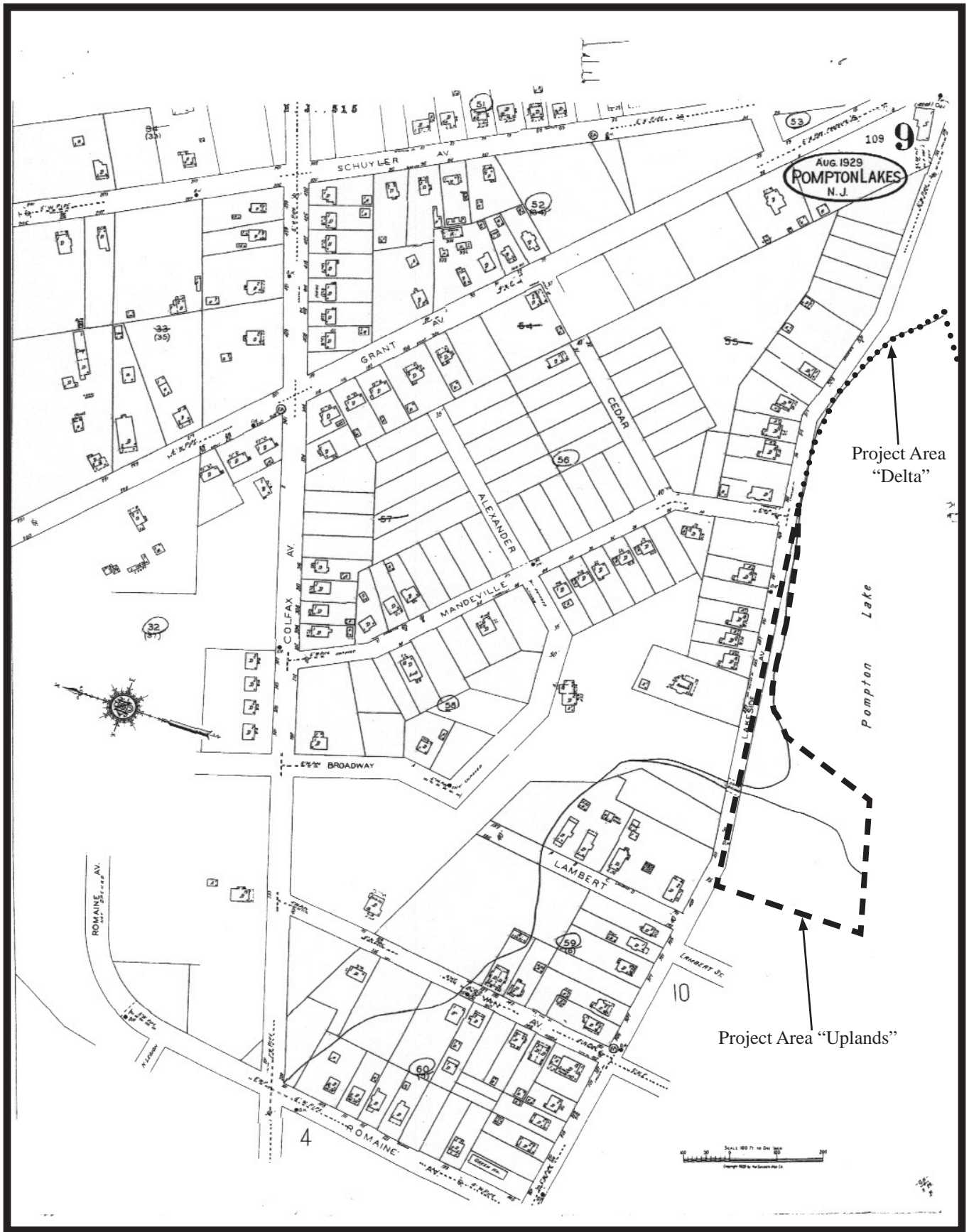


Figure 3.2a 1929-1943 Sanborn map showing project area vicinity (Source: Sanborn Map Company).

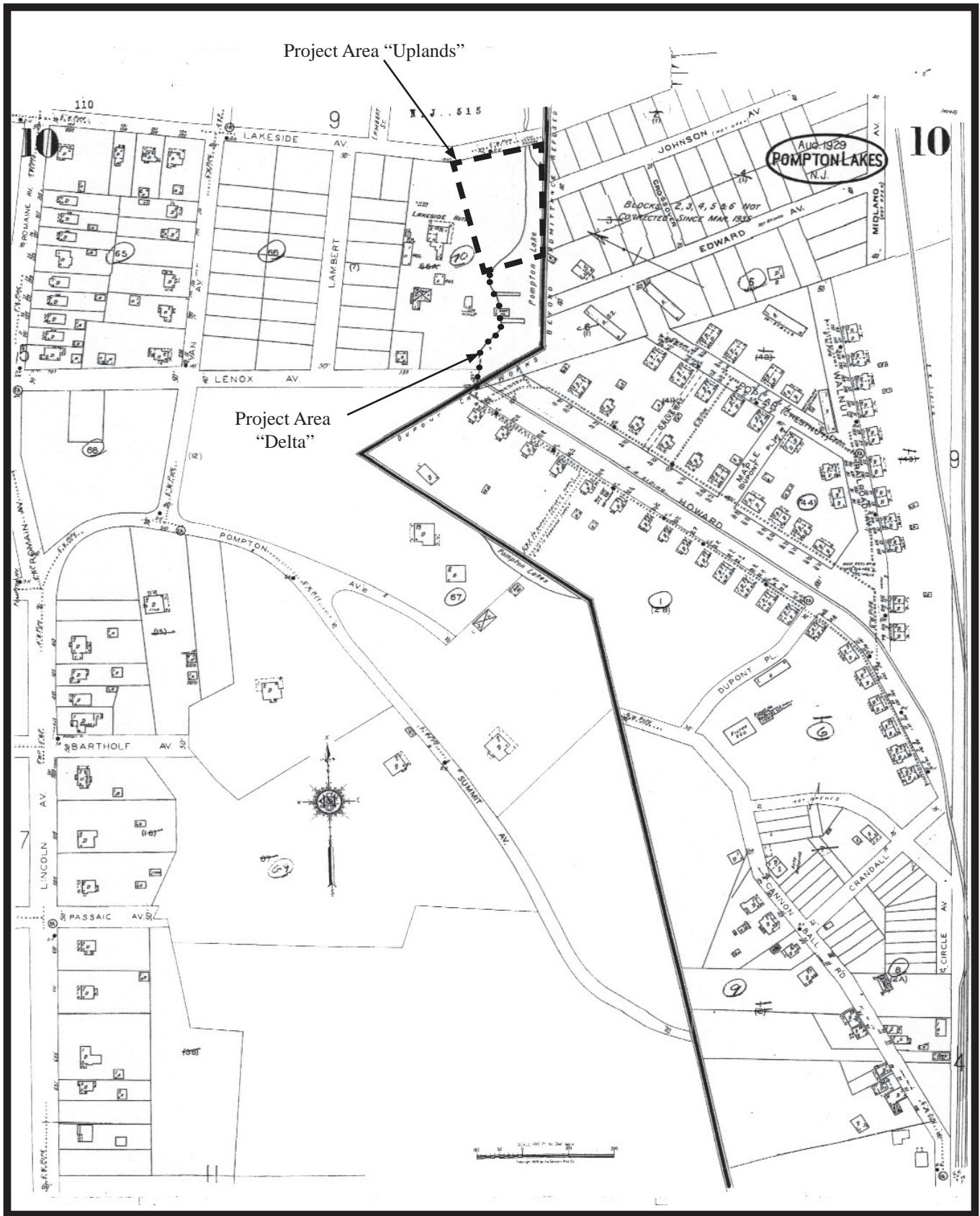


Figure 3.2b 1929-1943 Sanborn map showing project area vicinity (Source: Sanborn Map Company).

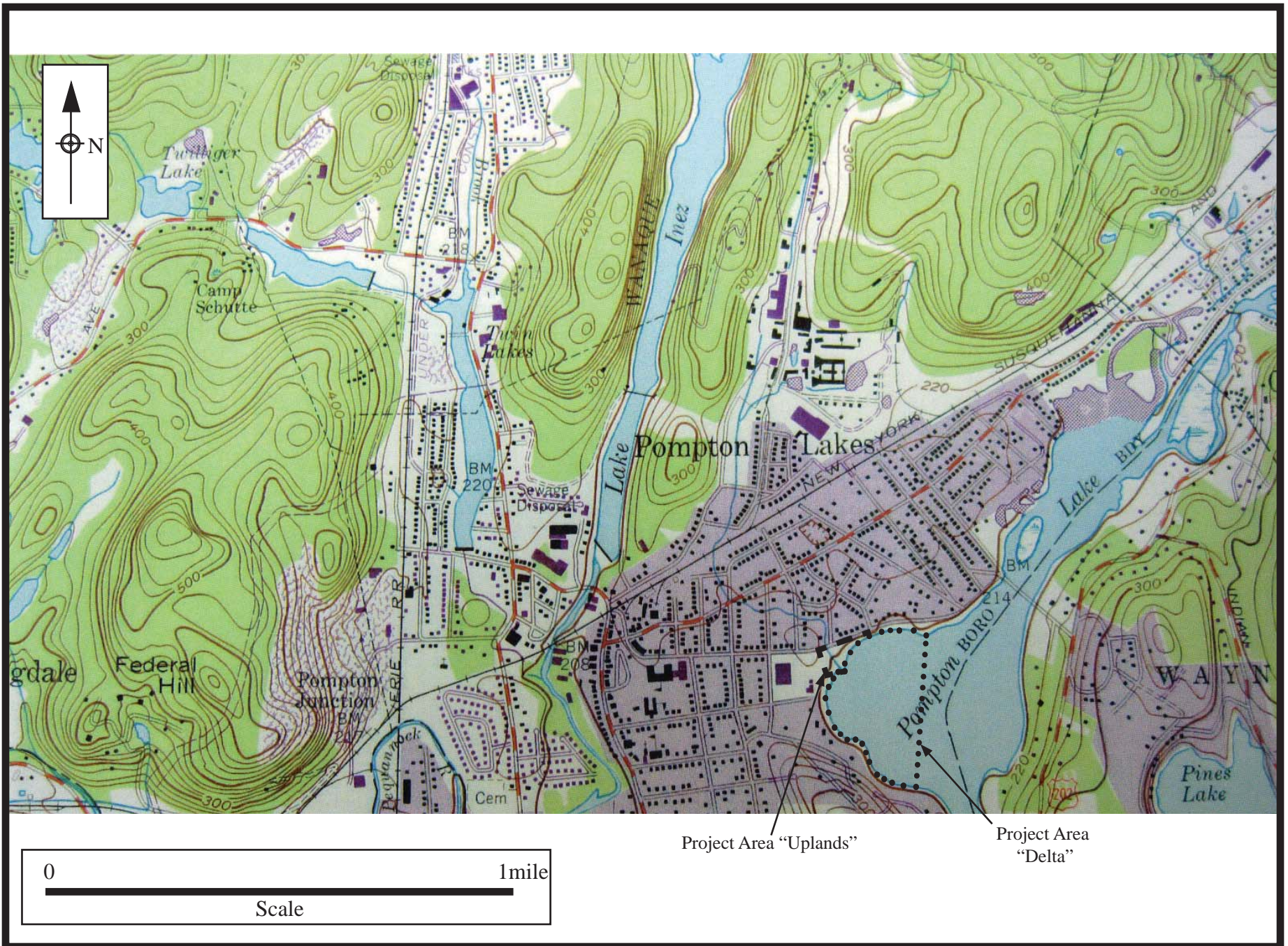


Figure 3.3 1954 topographic map showing project area vicinity (Source: U.S. Army Wanaque Quad, 1954, Photo revised 1971).

APPENDIX C



DuPont Pompton Lakes Works
 Pompton Lakes, New Jersey 07442
 Delta Uplands RI
 Project No. 445507

Date : 12/8/09
 Drilling Method : Direct push
 Sampling Method : 2" macrocore
 Driller : Arcadis
 Boring ID : 536-1D

Survey ID : 536-1D
 Northing Coord. : 791108.7
 Easting Coord. : 552369.8
 Elevation :
 Geologist : George Nemeth

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS
0					very moist, SILT, some roots and wood, t. f. sand		
0.5		OH					
1							
1.5							
2		SP			dk gray, gravely, SAND, t. silt		
2.5							
3		SP			very moist, m-c SAND, t. f. sand, t. f. gravel		
3.5							
4		OH			wet, black, f. sandy, organic SILT, t. f. gravel, t. c. sand		
4.5							
5					Black, very moist, organic SILT		
5.5				1		Hg	POM-S-536-1D (5.5-6.0')
6							
6.5							
7							

For this demonstration version, the number of contacts, samples, and general parameter data points are limited to 5, 5, and 10. The full version does not limit the data this way.



DuPont Pompton Lakes Works
 Pompton Lakes, New Jersey 07442
 Delta Uplands RI
 Project No. 445507

Date : 12/1/09
 Drilling Method : Direct push
 Sampling Method : 2" macrocore
 Driller : Arcadis
 Boring ID : 536-6D

Survey ID : 536-6D
 Northing Coord. : 791107.5
 Easting Coord. : 552304.3
 Elevation :
 Geologist : George Nemeth



Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS
0					Lgt Brown, moist, m-f. SAND, t. c. sand, t. silt		
.5		SP		1			
		ML			Black, very moist, SILT, t. f. sand	Pb	POM-S-536-300 (0.5-1.0')
1					EOB		
1.5							



DuPont Pompton Lakes Works
 Pompton Lakes, New Jersey 07442
 Delta Uplands RI
 Project No. 445507

Date : 12/8/09
 Drilling Method : Direct push
 Sampling Method : 2" macrocore
 Driller : Arcadis
 Boring ID : 536-19D

Survey ID : 536-19D
 Northing Coord. : 791124.1
 Easting Coord. : 552331.4
 Elevation :
 Geologist : George Nemeth

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS	
0		OH			Black, wet, fibrous, SILT, t. peat, some root			
.5		OH			Dk brown, wet, peaty SILT			
1					Black, f. sandy, SILT, mucky			
1.5		SM						
2								
2.5					Dk brown, very moist, peaty SILT			
3		OH						
3.5					Dk gray, very moist, m-f SAND, t. c. sand, t. f. gravel			
4		SP						
4.5					Black, very moist, organic, SILT, t. clay			
5		OH						
5.5		EOB						
6								
6.5								



DuPont Pompton Lakes Works
 Pompton Lakes, New Jersey 07442
 Delta Uplands RI
 Project No. 445507

Date : 12/22/09
 Drilling Method : Direct Push
 Sampling Method : 2" macrocore
 Driller : Arcadis
 Boring ID : 536-19D2

Survey ID : 536-19D2
 Northing Coord. : 791124.1
 Easting Coord. : 552331.4
 Elevation :
 Geologist : George Nemeth

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS
0					Soil Classification of 0.0-4.0' can be reviewed on Boring No: 536-19D		
0.5							
1							
1.5							
2							
2.5							
3							
3.5							
4							
4.2		OH			Dk brown, moist, peaty SILT, t. f-m sand		
4.5		OH			Brown, moist, peaty SILT, t. f-m sand		
4.8		SP/PT			Brown, moist, peaty m-c SAND		
5.0		OH		1	Brown, moist, peaty SILT, t. f-m sand	Hg	POM-S-536-19D2 (5.0-5.5')
5.2		SW/PT			Brown, moist, peaty, f-m-c SAND		
5.5		OH			Dk brown, moist, peaty SILT, some f, gravel		
5.8		SM			Brown, moist, silty f-m SAND		
6.0					Black, moist, PEAT		
6.5							
7		PT					
7.5							
8		SP			Gray, moist, f-m SAND		
8.5					EOB		



DuPont Pompton Lakes Works
 Pompton Lakes, New Jersey 07442
 Delta Uplands RI
 Project No. 445507

Date : 12/8/09
 Drilling Method : Direct push
 Sampling Method : 2" macrocore
 Driller : Arcadis
 Boring ID : 536-20D

Survey ID : 536-20D
 Northing Coord. : 791108.1
 Easting Coord. : 552356.3
 Elevation :
 Geologist : George Nemeth

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS
0		ML			Black, moist, SILT, some f-m SAND, t. roots		
0.5		GP			Lgt brown, moist, f GRAVEL, t. m. sand, t. c. sand		
1		SM			Dk brown, very moist, silty, m-f SAND, some wood		
1.5		ML			Black, wet, f. sandy SILT		
2		GP			Dk gray, wet, f. Gravel and m. Sand, t. c. sand, t. concrete		
2.5		SP			Lgt brown, moist, m-f SAND		
3		SM			Dk gray, wet, silty f. SAND, t. m. gravel		
3.5		PT			lgt brown, very moist, silty PEAT, fibrous		
4		OH			Black, very moist, organic SILT, t. f. sand, t. peat		
4.5		SP		1	Lgt brown, moist, m SAND, t. f. gravel, t. c. sand	Pb	POM-S-536-20D (5.5-6.0')
5					EOB		
5.5							
6							
6.5							



DuPont Pompton Lakes Works
 Pompton Lakes, New Jersey 07442
 Delta Uplands RI
 Project No. 445507

Date : 1/05/10
 Drilling Method : Direct Push
 Sampling Method : 2" macrocore
 Driller : Arcadis
 Boring ID : 536-20D2

Survey ID : 536-20D2
 Northing Coord. : 791108.1
 Easting Coord. : 552356.3
 Elevation :
 Geologist : George Nemeth

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS
0					Soil Classification of 0.0-6.0' can be reviewed on Boring No: 536-20D		
0.5							
1							
1.5							
2							
2.5							
3							
3.5							
4							
4.5							
5							
5.5							
6							
6.5		GP		1	Lgt brown, f-m Sand and Gravel, t. silt, moist, tight	Hg	POM-S-536-20D2 (6.0-6.5')
7							
7.5							
8		ML			Black, moist, SILT, t. f. sand, t. peat, some fibers. roots and wood		
8.5							
9		SM			Lgt gray, moist, f. SAND, some silt, t. clay		
9.5							
10					EOB		



DuPont Pompton Lakes Works
 Pompton Lakes, New Jersey 07442
 Delta Uplands RI
 Project No. 445507

Date : 12/11/09
 Drilling Method : Vibracore
 Sampling Method : 3" macrocore
 Driller : Arcadis
 Boring ID : 536-21D

Survey ID : 536-21D
 Northing Coord. : 791105.1
 Easting Coord. : 552384.3
 Elevation :
 Geologist : George Nemeth

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS
0					Dk brown, moist, rooty SILT, lower interval has stick, some roots		
0.5							
1		OH					
1.5							
2		ML			lgt brown, f. sandy SILT, t. f-m gravel		
2.5					m-f SAND, some c. sand, t. m gravel, t. 1" stone		
3							
3.5		SP					
4							
4.5							
5		ML			Dk gray clayey SILT		
5.5		ML			Dk gray-black, very moist, f. sandy SILT, t. leaf layering		
6		SM			Dk brown-dk gray, very moist, f. SAND, some silt, t. leaf layering		
6.5		ML			Black, very moist, SILT, t. peat		
7		OL			Black, moist, organic, silty, CLAY		
7.5		PT			Dark brown, moist, peaty, SILT, some clay		
8					EOB		



DuPont Pompton Lakes Works
 Pompton Lakes, New Jersey 07442
 Delta Uplands RI
 Project No. 445507

Date : 12/22/09
 Drilling Method : Direct Push
 Sampling Method : 2" macrocore
 Driller : Arcadis
 Boring ID : 536-21D2

Survey ID : 536-21D2
 Northing Coord. : 791105.1
 Easting Coord. : 552384.3
 Elevation :
 Geologist : George Nemeth

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS
0					Soil Classification of 0.0-4.0' can be reviewed on Boring No: 536-21D		
0.5							
1							
1.5							
2							
2.5							
3							
3.5							
4		SM			Brown, moist, silty, f-m SAND		
4.5		ML			Black, very moist, f. sandy SILT		
5		ML			Dk brown, moist, sandy SILT		
5.5		OH			Dk brown, moist, peaty SILY		
6		OH			Brown, moist, peaty SILT		
6.5		PT			Dk brown, moist, PEAT		
6.7		SP/PT			Dk brown, moist, peaty f-m SAND		
7		SM		1	Brown, moist, silty f-m-c SAND	Hg	POM-S-536-21D2 (7.0-7.5')
7.5		OH			Dk brown, moist, peaty SILT		
7.7		SM			Brown, moist, f-m-c silty SAND		
8		PT			Black, moist, PEAT		
8.5					EOB		



DuPont Pompton Lakes Works
 Pompton Lakes, New Jersey 07442
 Delta Uplands RI
 Project No. 445507

Date : 12/3/09
 Drilling Method : hand trowel
 Sampling Method : bag
 Driller : Arcadis
 Boring ID : 536-25D

Survey ID : 536-25D
 Northing Coord. : 791178.5
 Easting Coord. : 552274.3
 Elevation :
 Geologist : George Nemeth

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS
0		SM		1	Dk brown, moist, silty, m-f SAND, t. clay	Pb	POM-S-536-25D (0.0-0.5')
.5					EOB		
1							



DuPont Pompton Lakes Works
 Pompton Lakes, New Jersey 07442
 Delta Uplands RI
 Project No. 445507

Date : 12/16/09
 Drilling Method : Direct Push
 Sampling Method : 2" macrocore
 Driller : Arcadis
 Boring ID : 536-26D

Survey ID : 536-26D
 Northing Coord. : 791158.2
 Easting Coord. : 552307.6
 Elevation :
 Geologist : George Nemeth

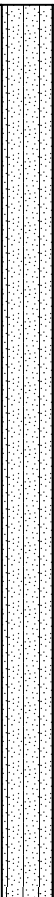
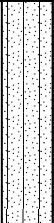
Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS
0					Dk brown, slightly moist, SILT, some f. sand, t. organics		
0.5		ML			Lgt brown, moist, SILT, some f-c sand, t. gravel		
1							
1.5							
2		ML					
2.5							
3							
3.5		ML		1	Dk brown, moist, SILT, some m-f sand, t. gravel	Pb	POM-S-536-26D (3.0-3.5')
4					EOB		
4.5							



DuPont Pompton Lakes Works
 Pompton Lakes, New Jersey 07442
 Delta Uplands RI
 Project No. 445507

Date : 12/15/09
 Drilling Method : Direct Push
 Sampling Method : 2" macrocore
 Driller : Arcadis
 Boring ID : 536-31D

Survey ID : 536-31D
 Northing Coord. : 791171.7
 Easting Coord. : 552351.9
 Elevation :
 Geologist : George Nemeth


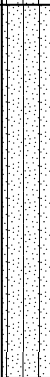
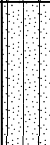



Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS
0					Dk brown, dry, silty m-f SAND		
1		SM					
2		SM		1	Dk brown, dry, silty m-f SAND, t. f-m gravel, t. clay	Pb	POM-S-536-31D (2.0-2.5')
2.5					EOB		
3							



DuPont Pompton Lakes Works
 Pompton Lakes, New Jersey 07442
 Delta Uplands RI
 Project No. 445507

Date : 12/11/09
 Drilling Method : Direct Push
 Sampling Method : 2" macrocore
 Driller : Arcadis
 Boring ID : 536-32D

Survey ID : 536-32D
 Northing Coord. : 791137.0
 Easting Coord. : 552361.4
 Elevation :
 Geologist : George Nemeth

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS
0					Dk brown, moist, silty f-m SAND, t. f-m gravel		
0.5		SM					
1							
1.5					Lgt brown, very moist, silty, f-m SAND, t. f-m gravel (tight)		
2		SM					
2.5							
3							
3.5		SM			Black, fine Sand and Silt		
4							
4.5		SP/GP			layering f SAND to a m Gravel, three layering zones		
5							
5.5		SP			Lgt brown, moist, m-f SAND, t. c. sand, t. f-m gravel		
6		OH			Black, very moist, Silt and Fibers		
6					EOB		
6.5							



DuPont Pompton Lakes Works
 Pompton Lakes, New Jersey 07442
 Delta Uplands RI
 Project No. 445507

Date : 12/22/09
 Drilling Method : Direct Push
 Sampling Method : 2" macrocore
 Driller : Arcadis
 Boring ID : 536-32D2

Survey ID : 536-32D2
 Northing Coord. : 791137.0
 Easting Coord. : 552361.4
 Elevation :
 Geologist : George Nemeth

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS
0					soil classification of 0.0-6.0' can be viewed on Boring No: 536-32D		
0.5							
1							
1.5							
2							
2.5							
3		ML					
3.5							
4							
4.5							
5							
5.5							
6							
6.5		SM			Lgt brown, moist, f-m silty SAND, some m gravel		
7		SM			Dk brown, very moist, f-m silty SAND, t. f. gravel		
7.5		ML			Dk brown, very moist, SILT, t. f. sand, some clay		
8		SP			Dk brown, very moist, f. SAND, t. silt		
8.5					EOB		



DuPont Pompton Lakes Works
 Pompton Lakes, New Jersey 07442
 Delta Uplands RI
 Project No. 445507

Date : 12/14/09
 Drilling Method : Direct Push/Vibracore
 Sampling Method : 2" macrocore/3" macrocore
 Driller : Arcadis
 Boring ID : 536-33D

Survey ID : 536-33D
 Northing Coord. : 791157.5
 Easting Coord. : 552384
 Elevation :
 Geologist : George Nemeth

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS
0					Dk brown, moist, SILT, some roots and fibers		
0.5		OH					
1		SM		1	Black-dk gray, moist, f-m SAND, some silt, t. c. sand	Pb	POM-S-536-33D (1.0-1.5')
1.5							
2				2	Dk gray, moist, f-m SAND, t. f. gravel	Hg	POM-S-536-33D (2.0-2.5')
2.5							
3		SP					
3.5							
4		SP			Dk gray-black, moist, f. SAND, t. m-c. sand, t. silt		
4.5							
5							
5.5		SP			Dk gray-black, moist, m-c SAND (coarsening at lower 5')		
6					EOB		
6.5							



DuPont Pompton Lakes Works
 Pompton Lakes, New Jersey 07442
 Delta Uplands RI
 Project No. 445507

Date : 12/15/09
 Drilling Method : Direct Push
 Sampling Method : 2" macrocore
 Driller : Arcadis
 Boring ID : 536-34D

Survey ID : 536-34D
 Northing Coord. : 791142.3
 Easting Coord. : 552376.9
 Elevation :
 Geologist : George Nemeth

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS
0					Black, moist, f sandy SILT, some roots, t. leaves		
0.5		OH					
1					Black, very moist, organic SILT, t. f. sand		
1.5		OH					
2					Black to dk gray, m-f SAND, t. c. sand, t. f-m, gravel		
2.5		SP					
3							
3.5		SP			Black-dk gray, very moist, f-m SAND,		
4							
4.5		SP			Lgt brown, very moist, f-m SAND		
5		SM			Black, very moist-wet, f. Sand and Silt		
5.5		OH		1	Dk brown, moist, peaty SILT, t.f. sand	Pb	POM-S-536-34D (5.0-5.5')
6					EOB		
6.5							



DuPont Pompton Lakes Works
 Pompton Lakes, New Jersey 07442
 Delta Uplands RI
 Project No. 445507

Date : 1/05/10
 Drilling Method : Direct Push
 Sampling Method : 2" macrocore
 Driller : Arcadis
 Boring ID : 536-34D2

Survey ID : 536-34D2
 Northing Coord. : 791142.3
 Easting Coord. : 552376.9
 Elevation :
 Geologist : George Nemeth

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS
0					Soil Classification of 0.0-6.0' can be reviewed on Boring No: 536-34D		
0.5							
1							
1.5							
2							
2.5							
3							
3.5							
4							
4.5							
5							
5.5							
6							
6.5		PT		1	Dk brown, moist, silty PEAT, t. f. sand	Hg	POM-S-536-34D2 (6.0-6.5')
7		SP			Lgt brown, moist, f-m SAND, t. silt		
7.5		OH			Black, moist, organic SILT, some fibers		
8					EOB		
8.5							



DuPont Pompton Lakes Works
 Pompton Lakes, New Jersey 07442
 Delta Uplands RI
 Project No. 445507

Date : 12/9/09
 Drilling Method : Vibracore
 Sampling Method : 3" macrocore
 Driller : Arcadis
 Boring ID : 536-35D

Survey ID : 536-35D
 Northing Coord. : 791120.6
 Easting Coord. : 552393.6
 Elevation :
 Geologist : George Nemeth

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS	
0		OH			Black, moist-wet, SILT, some organics			
.5		PT			Dk brown, moist, silty PEAT, fibrous roots			
1		ML			Black, very moist, fibrous SILT, t. wood			
1.25		SP		1	Black, moist, m-f SAND, t. c. sand	Pb, Cu	POM-S-536-35D (1.0-1.5')	
1.5		SP		Black, moist, f. SAND, t. silt				
1.75		SP		Black, moist, m-f SAND, t. c. sand, t.f. gravel				
2		EOB						
2.5								



DuPont Pompton Lakes Works
 Pompton Lakes, New Jersey 07442
 Delta Uplands RI
 Project No. 445507

Date : 1/05/10
 Drilling Method : Direct Push
 Sampling Method : 2" macrocore
 Driller : Arcadis
 Boring ID : 536-35D2

Survey ID : 536-35D2
 Northing Coord. : 791120.6
 Easting Coord. : 552393.6
 Elevation :
 Geologist : George Nemeth


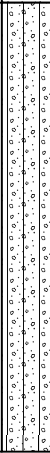
Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS
0					Soil Classification of 0.0-2.0' can be reviewed on Boring No: 536-35D		
0.5							
1							
1.5							
2		ML			Black, moist, SILT, t. f-m gravel		
2.5		SP			Black, moist, m-f SAND, t. silt. t. f. gravel		
3		SP			Black-dk gray, moist, m-f SAND, t. f. gravel		
3.5		SP			Black-dk gray, moist, m-f SAND, t. f. gravel		
4		SP			Black-dk gray, moist, m-f SAND, t. f. gravel		
4.5		CL			Lgt brown, wet. CLAY, some silt		
5		ML			Black, wet, SILT, t. f. sand, some layering of leaves		
5.5		ML			Black, wet, SILT, t. f. sand, some layering of leaves		
6		OH			Black, moist, organic SILT, some clay		
6.5		OH			Lgt brown, moist, peaty SILT, t. fibers		
7		OH			Lgt brown, moist, peaty SILT, t. fibers		
7.5		SP		1	Lgt brown-lgt gray, moist, f-c SAND, some f. gravel	Hg	POM-S-536-35D2 (7.0-7.5')
8					EOB		
8.5							



DuPont Pompton Lakes Works
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 Project No. 445507

Date : 12/21/09
 Drilling Method : Vibracore
 Sampling Method : 3" macrocore
 Driller : Arcadis
 Boring ID : 536-36D

Survey ID : 536-36D
 Northing Coord. : 791185.3
 Easting Coord. : 552164.8
 Elevation :
 Geologist : George Nemeth

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS
0					Brown, wet, f-m SAND, t. silt, t. f. gravel		
.5		SP					
1							
1.5					Lgt brown, wet, f-m SAND, some m. gravel, some silt		
2		GM		1		Hg	POM-S-536-36D (2.0-2.5')
2.5					EOB		
3							



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 Delta Uplands RI
 Project No. 445507

Date : 12/4/09
 Drilling Method : Direct push
 Sampling Method : 2" macrocore
 Driller : Arcadis
 Boring ID : 536-50D

Survey ID : 536-50D
 Northing Coord. :
 Easting Coord. :
 Elevation :
 Geologist : George Nemeth

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS
0		ML/SP			Dk brown, dry-moist, f. sandy SILT, t. c-m sand		
.5		SM			lgt brown, dry-moist, silty f. SAND, t.c. sand, t. f. gravel		
		SM		1	Rd/brown, slightly moist-dry, silty, f. SAND, t.c.sand, t. m-f. gravel	Hg	POM-S-536-50D (0.5-1.0')
1					EOB		
1.5							



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 Project No. 445507

Date : 12/4/09
 Drilling Method : Direct push
 Sampling Method : 2" macrocore
 Driller : Arcadis
 Boring ID : 536-50D

Survey ID : 536-50D
 Northing Coord. :
 Easting Coord. :
 Elevation :
 Geologist : George Nemeth

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS
0		ML/SP			Dk brown, dry-moist, f. sandy SILT, t. c-m sand		
.5		SM			lgt brown, dry-moist, silty f. SAND, t.c. sand, t. f. gravel		
		SM		1	Rd/brown, slightly moist-dry, silty, f. SAND, t.c.sand, t. m-f. gravel	Hg	POM-S-536-50D (0.5-1.0')
1					EOB		
1.5							



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 Project No. 445507

Date : 12/16/09
 Drilling Method : Direct push
 Sampling Method : 2" macrocore
 Driller : Arcadis
 Boring ID : 536-58D

Survey ID : 536-58D
 Northing Coord. : 791347.8
 Easting Coord. : 552630.6
 Elevation :
 Geologist : George Nemeth

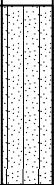
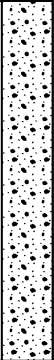
Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS
0					Lgt brown, moist, f-m SAND, t. c. sand, t. siltm t. f-m gravel		
.5							
1							
1.5		SP					
2							
2.5							
3		SP			Dk gray, moist, f-m SAND, t. c. sand, t. silt, t. f-m gravel		
3.5							
4		SM		1	Dk gray, very moist, silty, m-f SAND	Pb	POM-S-536-58D (3.5-4.0')
4					EOB		
4.5							



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Date : 12/16/09
 Drilling Method : Direct Push
 Sampling Method : 2" macrocore
 Driller : Arcadis
 Boring ID : 536-64D

Survey ID : 536-64D
 Northing Coord. : 791246.8
 Easting Coord. : 552465.9
 Elevation :
 Geologist : George Nemeth

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS
0					Pre-probed to 4.0'		
0.5							
1							
1.5							
2							
2.5							
3							
3.5							
4							
4.5		SM			Lgt brown, wet, f-m Sand and Silt		Due to poor recovery and sampling interval containing, large cobble and gravel, sample postponed
5							
5.5							
6		GP			Lgt brown-dk gray, wet, f-m GRAVEL, t. gravel. t. cobble		
6.5							
7					EOB		
7.5							



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Date : 12/8/09
 Drilling Method : Direct push
 Sampling Method : 2" macrocore
 Driller : Arcadis
 Boring ID : 536-70D

Survey ID : 536-70D
 Northing Coord. : 790989.2
 Easting Coord. : 552232.4
 Elevation :
 Geologist : George Nemeth

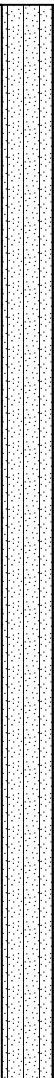
Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS
0		ML			Dk brown, wet, SILT, t. roots		
0.5		GP			Black, dk brown, m-f Sand and f. Gravel, t. silt		
1		GP			Dk brown, very wet, m-f Sand and f. Gravel, t. silt		
1.5		GP			Dk brown, very wet, m-f Sand and f. Gravel, t. silt		
2		GP			Dk brown, very wet, m-f Sand and f. Gravel, t. silt		
2.5		SM/GP			Black, wet, silty f. Sand and f. Gravel		
3		OH			Black, moist, organic SILT		
3.5		PT			Dk brown, moist, silty, PEAT		
4		PT		1	Dk brown, moist, silty, PEAT		
4.5		SM			Dk brown, very moist, f-m Sand and Silt	Pb, Hg	POM-S-536-70D (4.0-4.5')
5		SM			Dk brown, very moist, f-m Sand and Silt		
5.5		ML			Dk brown-black, moist, f. sandy SILT, t. wood, possible roots		
6					EOB		
6.5							



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Date : 12/16/09
 Drilling Method : Direct push
 Sampling Method : 2" macrocore
 Driller : Arcadis
 Boring ID : 536-80D

Survey ID : 536-80D
 Northing Coord. : 791227.5
 Easting Coord. : 552405.0
 Elevation :
 Geologist : George Nemeth



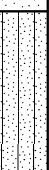



Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS
0					Black, slightly moist, silty m-f SAND, t. c. sand, t. roots		
.5							
1		SM		<div style="border: 1px solid black; width: 20px; height: 30px; display: flex; align-items: center; justify-content: center;">1</div>		Pb	POM-S-536-80D (1.0-1.5')
1.5							
2					EOB		
2.5							



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Date : 12/21/09
 Drilling Method : Vibracore
 Sampling Method : 3" macrocore
 Driller : Arcadis
 Boring ID : 536-116D

Survey ID : 536-116D
 Northing Coord. : 791120.4
 Easting Coord. : 552391.8
 Elevation :
 Geologist : George Nemeth

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS
0		OH			Organic SILT, some roots, dk brown		
0.5		OH			dk brown, organic SILT, t. f. sand, t. wood		
1		SM			Dk brown, silty f-m SAND,		
1.5							
2		SW			Lgt brown, f-m-c SAND, t. f-m gravel		
2.5							
3		SM			Brown, f-m Sand and Silt		
3.5		ML			Dk brown, f-m sandy SILT		
4		ML			Dk brown, SILT, t. m sand		
4.5		ML			Dk brown, f-m sandy SILT, t. organics		
5					EOB		



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Date : 12/11/09
 Drilling Method : Vibracore
 Sampling Method : 3" macrocore
 Driller : Arcadis
 Boring ID : 536-118D

Survey ID : 536-118D
 Northing Coord. : 791098.2
 Easting Coord. : 552389.8
 Elevation :
 Geologist : George Nemeth

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS
0					Dk brown, moist, SILT, some roots, t. leaves		
0.5		OH					
1					Lgt brown, dry-moist, f-m SAND, some c. sand, t. f-m gravel		
1.5		SP					
2					Lgt brown, very moist, f. SAND, t. c. sand		
2.5		SP					
3					Lgt brown, very moist, f. SAND, t. c. sand		
3.5		SP			Dk gray, moist, c. SAND, t. concrete		
4		OH			Black, wet, Silt and Organic leaves		
4		SP			Black, moist, very f.-f. SAND		
4.5		SM			Black-dk brown, wet, f. SAND, some silt, layer of organic clay, layers of twigs and fibers		
4.5		OL			Black, moist, organic, silty CLAY		
5					EOB		
5.5							



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Date : 12/22/09
 Drilling Method : Direct Push
 Sampling Method : 2" macrocore
 Driller : Arcadis
 Boring ID : 536-118D2

Survey ID : 536-118D2
 Northing Coord. : 791098.2
 Easting Coord. : 552389.8
 Elevation :
 Geologist : George Nemeth

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS
0					soil classification for 0.0-4.0' can be viewed on Boring No: 536-118D		
0.5							
1							
1.5							
2							
2.5							
3							
3.5							
4		SP			Brown, moist, f-m SAND		
4.5		SM			Dk brown, very moist, f-m-c silty SAND		
5		ML			Black, very moist, SILT, t. f-m sand		
5.5		PT			Black, very moist, silty PEAT		
6		PT			Black, moist, silty PEAT		
6.5		PT/OH			Dk brown, moist, clayey PEAT		
7		SM		1	Brown, moist, f-m-c silty SAND	Hg	POM-S-536-118D2 (7.0-7.5')
7.5		ML			Brown, moist, sandy SILT, t. f-m sand		
8		PT			Black, moist, PEAT		
8.5					EOB		



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Date : 12/3/09
 Drilling Method : hand trowel
 Sampling Method : bag
 Driller : Arcadis
 Boring ID : 536-235

Survey ID : 536-235
 Northing Coord. : 791183.0
 Easting Coord. : 552275.5
 Elevation :
 Geologist : George Nemeth

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS
0		ML		1	Dk brown, moist, m-f sandy SILT, t. clay, t. c. sand	Pb	POM-S-536-235 (0.0-0.5')
.5					EOB		
1							



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Date : 12/3/09
 Drilling Method : hand trowel
 Sampling Method : bag
 Driller : Arcadis
 Boring ID : 536-236

Survey ID : 536-236
 Northing Coord. : 791182.0
 Easting Coord. : 552269.7
 Elevation :
 Geologist : George Nemeth

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS
0		ML			Dk brown, moist, m-f sandy SILT, t. clay, t. c. sand, t. grass and roots		
.5					EOB		
1							



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Date : 12/2/09
 Drilling Method : hand trowel
 Sampling Method : bag
 Driller : Arcadis
 Boring ID : 536-237

Survey ID : 536-237
 Northing Coord. : 791180.7
 Easting Coord. : 552270.6
 Elevation :
 Geologist : George Nemeth

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS
0		ML		1	Dk brown, moist, f. sandy SILT _w / clay, t. m. sand	Pb	POM-S-536-237 (0.0-0.5')
.5					EOB		
1							



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Date : 12/15/09
 Drilling Method : Direct Push
 Sampling Method : 2" macrocore
 Driller : Arcadis
 Boring ID : 536-238

Survey ID : 536-238
 Northing Coord. : 791173.3
 Easting Coord. : 552294.4
 Elevation :
 Geologist : George Nemeth

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS
0		ML			Dk brown, slightly moist, SILT, t. f. sand		
0.5					Lgt brown, dry, silty, m-f SAND, some, f. gravel, t. c. sand (tight)		
1.5		SM					
3.0		SP		1	Lgt brown, dry, f-m SAND, t.c. sand t. f. gravel	Pb	POM-S-536-238 (3.0-3.5')
4.0		ML			Dk brown, dry, sandy SILT		
4.5					EOB		



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Date : 12/15/09
 Drilling Method : Direct Push
 Sampling Method : 2" macrocore
 Driller : Arcadis
 Boring ID : 536-239

Survey ID : 536-239
 Northing Coord. : 791175.2
 Easting Coord. : 552301.9
 Elevation :
 Geologist : George Nemeth

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS
0					Dk brown, moist, SILT, t. f. sand		
0.5		ML					
1					Lgt brown, moist, f-m SAND, t. c. sand		
1.5		SP					
2		SM			Dk brown, silty SAND, moist, t. f-m gravel		
2.5					Black, dry, f-m GRAVEL, t. silt, t. sand (tight)		
3		GP					
3.5		GP		1	Lgt brown, moist, f-m Sand and Gravel, t. silt (tight)	Pb	POM-S-536-239 (3.0-3.5')
4					EOB		
4.5							



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Date : 12/15/09
 Drilling Method : Direct Push
 Sampling Method : 2" macrocore
 Driller : Arcadis
 Boring ID : 536-240

Survey ID : 536-240
 Northing Coord. : 791176.0
 Easting Coord. : 552296.9
 Elevation :
 Geologist : George Nemeth

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS
0					Dk brown, slightly moist, SILT, t. f. sand, t. c. sand		
0.5		ML					
1							
1.5		GM			Lgt brown, slightly moist, SILT, some f. gravel, t. c. sand		
2							
2.5							
3		SP		1	Lgt brown, m-f SAND, dry, t. c. sand, t. silt	Pb	POM-S-536-240 (3.0-3.5')
3.5							
4		SP			Dk brown, dry, m-f SAND, t. c. sand, t. silt		
4					EOB		
4.5							



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Date : 12/15/09
 Drilling Method : Direct Push
 Sampling Method : 2" macrocore
 Driller : Arcadis
 Boring ID : 536-241

Survey ID : 536-241
 Northing Coord. : 791176.0
 Easting Coord. : 552305.9
 Elevation :
 Geologist : George Nemeth

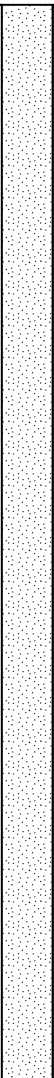
Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS
0					Dk brown, slightly moist, f. sandy SILT		
0.5		ML					
1		SM			Dk brown, moist, silty SAND, some m-f gravel		
1.5							
2		SM			Dk brown, moist, silty SAND, some m-f gravel (tight)		
2.5							
3				1		Pb	POM-S-536-241 (3.0-3.5')
3.5		SP			Dk gray-dk brown, moist, f-m SAND, t. silt		
4					EOB		
4.5							



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Date : 12/15/09
 Drilling Method : Direct Push
 Sampling Method : 2" macrocore
 Driller : Arcadis
 Boring ID : 536-242

Survey ID : 536-242
 Northing Coord. : 791189.0
 Easting Coord. : 552352.8
 Elevation :
 Geologist : George Nemeth

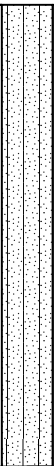
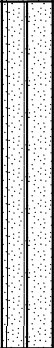
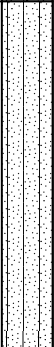
Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS
0					Black, slight moist, m-f SAND, t. silt, t. f-m gravel		
.5							
1		SP					
1.5				1		Pb	POM-S-536-242 (1.5-2.0')
2					EOB		
2.5							



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Date : 12/16/09
 Drilling Method : Direct Push
 Sampling Method : 2" macrocore
 Driller : Arcadis
 Boring ID : 536-243

Survey ID : 536-243
 Northing Coord. : 791171.5
 Easting Coord. : 552357.5
 Elevation :
 Geologist : George Nemeth

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS
0					Dk brown, slightly moist, silty m-f SAND		
0.5		SM					
1.0							
1.5		SM/SP		1	Black, slightly moist, silty, m-f SAND, some m-f gravel	Pb	POM-S-536-243 (1.5-2.0')
2.0							
2.5		SM			Black, slightly moist, silty m-f SAND, t. f. gravel		
3.0					EOB		
3.5							



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Date : 12/16/09
 Drilling Method : Direct Push
 Sampling Method : 2" macrocore
 Driller : Arcadis
 Boring ID : 536-244

Survey ID : 536-244
 Northing Coord. : 791166.6
 Easting Coord. : 552352.9
 Elevation :
 Geologist : George Nemeth

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS
0					Black, moist, f. sandy SILT		
.5		ML					
1					Dk brown, moist, f. sandy SILT, t. m-f gravl (tight)		
1.5				1			
2		ML				Pb	POM-S-536-244 (1.5-2.0')
2.5							
3					EOB		
3.5							



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Date : 12/16/09
 Drilling Method : Direct Push
 Sampling Method : 2" macrocore
 Driller : Arcadis
 Boring ID : 536-245

Survey ID : 536-245
 Northing Coord. : 791181.4
 Easting Coord. : 552346.8
 Elevation :
 Geologist : George Nemeth

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS	
0		ML			Dk brown-black, slightly moist, f-m sandy SILT, t. m-f gravel, t. roots			
.5	Lgt brown, slightly moist, f-m sandy SILT, t. f-m gravel (tight)							
1		ML				Pb	POM-S-536-245 (1.5-2.0')	
1.5								1
2		EOB						
2.5								



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Date : 12/16/09
 Drilling Method : hand trowel
 Sampling Method : bag
 Driller : Arcadis
 Boring ID : 536-246

Survey ID : 536-246
 Northing Coord. : 791234.7
 Easting Coord. : 552387.9
 Elevation :
 Geologist : George Nemeth

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS
0		ML		1	Dk brown, moist, SILT, t. f. sand, t. roots	Pb	POM-S-536-246 (0.0-0.5')
.5					EOB		
1							



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Date : 12/16/09
 Drilling Method : hand trowel
 Sampling Method : bag
 Driller : Arcadis
 Boring ID : 536-247

Survey ID : 536-247
 Northing Coord. : 791236.7
 Easting Coord. : 552407.8
 Elevation :
 Geologist : George Nemeth

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS
0		ML		1	Dk brown, moist, SILT, t. f. sand, t. roots	Pb	POM-S-536-247 (0.0-0.5')
.5					EOB		
1							



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Date : 12/16/09
 Drilling Method : hand trowel
 Sampling Method : bag
 Driller : Arcadis
 Boring ID : 536-248

Survey ID : 536-248
 Northing Coord. : 791226.4
 Easting Coord. : 552410.3
 Elevation :
 Geologist : George Nemeth

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS
0		ML		1	Dk brown, moist, SILT, t. f. sand	Pb	POM-S-536-248 (0.0-0.5') Collect MS/MSD/Duplicate as well
.5					EOB		
1							



DuPont Pompton Lakes Works
 Pompton Lakes, New Jersey 07442
 Delta Uplands RI
 Project No. 445507

Date : 12/16/09
 Drilling Method : hand trowel
 Sampling Method : bag
 Driller : Arcadis
 Boring ID : 536-249

Survey ID : 536-249
 Northing Coord. : 791221.5
 Easting Coord. : 552404.4
 Elevation :
 Geologist : George Nemeth

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS
0		OH		1	Dk brown, slightly moist, SILT, t. f. sand, some roots	Pb	POM-S-536-249 (0.0-0.5')
.5					EOB		
1							



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 Project No. 445507

Date : 12/16/09
 Drilling Method : Direct Push
 Sampling Method : 2" macrocore
 Driller : Arcadis
 Boring ID : 536-250

Survey ID : 536-250
 Northing Coord. : 791249.2
 Easting Coord. : 552461.3
 Elevation :
 Geologist : George Nemeth

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS
0					Pre-probed to 4.0'		
0.5							
1							
1.5							
2							
2.5							
3							
3.5							
4					Lgt gray, wet, m-f SAND, some silt, t. f. gravel		
4.5		SM					
5							
5.5		OH			Black, moist, organic SILT		
6		ML			Dk brown, moist, SILT, t. f. sand, t. fibers		
6.5		ML		1	Black, moist, SILT, t. f. sand, t. wood	Pb, Hg	POM-S-536-250 (6.0-6.5')
7		SP			Dk gray, very moist, m-f SAND, t. c. sand, t. silt		
7.5					EOB		



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Date : 12/17/09
 Drilling Method : Direct Push
 Sampling Method : 2" macrocore
 Driller : Arcadis
 Boring ID : 536-251

Survey ID : 536-251
 Northing Coord. : 791248.3
 Easting Coord. : 552467.7
 Elevation :
 Geologist : George Nemeth

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS
0					Pre-probed to 4.0'		
0.5							
1							
1.5							
2							
2.5							
3							
3.5							
4							
4.0		OH			Black, moist, organic SILT, t. clay, t. f. sand		
4.5							
4.5		OH			Dk brown, peaty SILT, moist		
5							
5		OH			Black, moist, Silt and Organics		
5.5		SP			Dk gray, f-m SAND, some f-m gravel		
5.5							
5.5		SP			Lgt gray-red brown, f. c. SAND, moist, some f-m gravel. t. silt		
6							
6		SP		1		Pb, Hg	POM-S-536-251 (6.0-6.5')
6.5							
7					EOB		
7.5							



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Date : 12/17/09
 Drilling Method : Direct Push
 Sampling Method : 2" macrocore
 Driller : Arcadis
 Boring ID : 536-253

Survey ID : 536-253
 Northing Coord. : 791243.8
 Easting Coord. : 552459.8
 Elevation :
 Geologist : George Nemeth

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS
0					Pre-probed to 4.0'		
0.5							
1							
1.5							
2							
2.5							
3							
3.5							
4							
4.5		ML			Dk gray-dk brown, wet, SILT, t. peat		
5							
5.5		ML			Black, moist, SILT, t. organics, t. peat		
6		GP			Lgt gray, moist, f-m GRAVEL, t. f-c sand		
6.5		GP		1	Red brown, very moist, f-m Sand and f-m Gravel	Pb, Hg	POM-S-536-253 (6.0-6.5')
7		SP			Red brown, moist, f-m SAND		
7.5					EOB		



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Date : 12/17/09
 Drilling Method : Direct Push
 Sampling Method : 2" macrocore
 Driller : Arcadis
 Boring ID : 536-254

Survey ID : 536-254
 Northing Coord. : 791326.1
 Easting Coord. : 552568.3
 Elevation :
 Geologist : George Nemeth

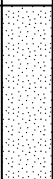
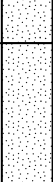
Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS
0					Pre-probed to 4.0'		
0.5							
1							
1.5							
2							
2.5							
3							
3.5							
4		SP			Lgt gray, wet, f-m SAND		
4.5					Lgt gray, wet, f-c Sand and f. Gravel		
5		GP		1		Pb	POM-S-536-254 (5.0-5.5')
5.5							
6					EOB		
6.5							
7							
7.5							



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Date : 12/17/09
 Drilling Method : Direct Push
 Sampling Method : 2" macrocore
 Driller : Arcadis
 Boring ID : 536-255

Survey ID : 536-255
 Northing Coord. : 791322.6
 Easting Coord. : 552573.0
 Elevation :
 Geologist : George Nemeth

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS
0					Pre-probed to 4.0'		
.5							
1							
1.5							
2							
2.5							
3							
3.5							
4					Lgt gray, moist, f-m SAND		
4.5		SP					
5				1			
5.5		SP			Lgt gray, moist, m-f SAND, t. c. sand, t. f-m gravel	Pb	POM-S-536-255 (5.0-5.5')
6					EOB		
6.5							
7							
7.5							



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Date : 12/16/09
 Drilling Method : Direct Push
 Sampling Method : 2" macrocore
 Driller : Arcadis
 Boring ID : 536-256

Survey ID : 536-256
 Northing Coord. : 791317.9
 Easting Coord. : 552570.9
 Elevation :
 Geologist : George Nemeth

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS
0					Pre-probed to 4.0'		
0.5							
1							
1.5				1			
2						Pb	POM-S-536-245 (1.5-2.0')
2.5							
3							
3.5							
4							
4.5		SP			Lgt gray, wet, f-c SAND		
5		OH			Black, moist, organic SILT, t. clay		
5.5		OH			Black, moist, organic SILT, t. peat		
6					EOB		
6.5							



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Date : 12/17/09
 Drilling Method : Direct Push
 Sampling Method : 2" macrocore
 Driller : Arcadis
 Boring ID : 536-257

Survey ID : 536-257
 Northing Coord. : 791318.8
 Easting Coord. : 552564.0
 Elevation :
 Geologist : George Nemeth

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS
0					Pre-probed to 4.0'		
0.5							
1							
1.5							
2							
2.5							
3							
3.5							
4							
4.5		SP			Dk brown, moist, m-c SAND, t. f. gravel, coarsening downward		
5		SP		1	dk gray, moist, m-f silty SAND, some f-m gravel	Pb	POM-S-536-257 (5.0-5.5')
5.5		GP			Lgt gray, moist, m GRAVEL, some f-c sand, t. f. gravel		
6					EOB		
6.5							
7							
7.5							



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Date : 12/17/09
 Drilling Method : Vibracore
 Sampling Method : 3" macrocore
 Driller : Arcadis
 Boring ID : 536-258

Survey ID : 536-258
 Northing Coord. : 791351.6
 Easting Coord. : 552628.9
 Elevation :
 Geologist : George Nemeth

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS
0		SM			Dk brown, moist, silty SAND, t. roots, t. f. gravel		
0.5		SP			Lgt brown, moist, f-m SAND, t. f-m gravel, t. silt		
1.5		GP			Lgt brown-red brown, very moist, f-m Sand and f-m Gravel, t. silt		
3.0				1		Pb	POM-S-536-258 (3.0-3.5')
4.0					EOB		
4.5							



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Date : 12/17/09
 Drilling Method : Direct Push
 Sampling Method : 2" macrocore
 Driller : Arcadis
 Boring ID : 536-259

Survey ID : 536-259
 Northing Coord. : 791350.0
 Easting Coord. : 552636.2
 Elevation :
 Geologist : George Nemeth

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS
0					Dk brown, very moist, m-f Sand and Silt, t. c. sand, t. f. gravel		
0.5		SM					
1							
1.5		ML			Dk brown, very moist-wet, sandy SILT,		
2							
2.5		SP			Lgt gray, moist, m-f SAND, some m-f gravel		
3							
3.5		GP		1	Lgt gray, very moist, f-m GRAVEL, some m-f sand	Pb	POM-S-536-259 (3.0-3.5')
4					EOB		
4.5							



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Date : 12/18/09
 Drilling Method : Direct Push
 Sampling Method : 2" macrocore
 Driller : Arcadis
 Boring ID : 536-260

Survey ID : 536-260
 Northing Coord. : 791345.3
 Easting Coord. : 552633.2
 Elevation :
 Geologist : George Nemeth

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS
0					Lgt brown, moist, f-m SAND, some silt, t. organics (leaves, twigs)		
0.5		SM					
1					Lgt brown-dk gray, m-f SAND, t. c. sand, t. f-m gravel, t. silt		
1.5		SP					
2					Lgt gray, moist, m-c SAND, t. f. gravel		
2.5		SP					
3		SP		1		Pb	POM-S-536-260 (3.0-3.5')
3.5					Lgt gray, moist, f-m SAND, t. f. gravel, t. c. sand		
4		SP					
4.5					EOB		



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Date : 12/18/09
 Drilling Method : Direct Push
 Sampling Method : 2" macrocore
 Driller : Arcadis
 Boring ID : 536-261

Survey ID : 536-261
 Northing Coord. : 791344.9
 Easting Coord. : 552626.7
 Elevation :
 Geologist : George Nemeth

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS
0		OH			Lgt gray, wet, Silt and Organics (leaves, twigs, wood)		
0.5					Lgt gray, very moist, m-f SAND, t. c. sand, t. silt, t. f. gravel		
1		SP					
1.5							
2					Lgt very moist, m-f Sand and Gravel		
2.5							
3		GP		1		Pb	POM-S-536-261 (3.0-3.5')
3.5							
4					EOB		
4.5							



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Date : 12/3/09
 Drilling Method : hand trowel
 Sampling Method : bag
 Driller : Arcadis
 Boring ID : 536-262

Survey ID : 536-262
 Northing Coord. : 791117.9
 Easting Coord. : 552179.2
 Elevation :
 Geologist : George Nemeth

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS
0		ML		1	Dk brown, moist-dry, m-f, sandy SILT, t. clay	Hg	POM-S-536-262 (0.0-0.5')
.5					EOB		
1							



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Date : 12/3/09
 Drilling Method : hand trowel
 Sampling Method : bag
 Driller : Arcadis
 Boring ID : 536-263

Survey ID : 536-263
 Northing Coord. : 791118.6
 Easting Coord. : 552182.9
 Elevation :
 Geologist : George Nemeth

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS
0		ML			Dk brown, moist-dry, m-f, sandy SILT		
.5					EOB		
1							



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Date : 12/3/09
 Drilling Method : hand trowel
 Sampling Method : bag
 Driller : Arcadis
 Boring ID : 536-264

Survey ID : 536-264
 Northing Coord. : 791111.3
 Easting Coord. : 552180.7
 Elevation :
 Geologist : George Nemeth

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS
0		ML		1	Dk brown, moist. f-m sandy SILT, t. clay	Hg	POM-S-536-264 (0.0-0.5')
.5					EOB		
1							



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Date : 12/3/09
 Drilling Method : hand trowel
 Sampling Method : bag
 Driller : Arcadis
 Boring ID : 536-265

Survey ID : 536-265
 Northing Coord. : 791115.6
 Easting Coord. : 552176.0
 Elevation :
 Geologist : George Nemeth

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS
0		ML		1	Dk brown, moist-dry, m-f, sandy SILT	Hg	POM-S-536-265 (0.0-0.5')
.5					EOB		
1							



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Date : 12/3/09
 Drilling Method : Direct Push
 Sampling Method : 2" macrocore
 Driller : Arcadis
 Boring ID : 536-273

Survey ID : 536-273
 Northing Coord. : 791164.3
 Easting Coord. : 552212.1
 Elevation :
 Geologist : George Nemeth

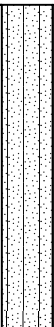
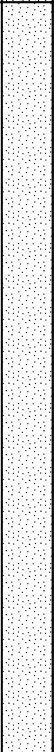
Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS
0					Dk brown, dry, m-f sandy SILT, t. m gravel		
		SM		1		Hg, Se	POM-S-536-273(0.0-0.5')
.5					Dk brown, dry, m-f SAND, t. silt		
		SP					
1					Dk brown, dry, m-f SAND, some c. sand, t. f. gravel		
		SP		2		Hg	POM-S-536-273(1.5-2.0)
1.5							
2					EOB		
2.5							



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Date : 12/3/09
 Drilling Method : Direct Push
 Sampling Method : 2" macrocore
 Driller : Arcadis
 Boring ID : 536-274

Survey ID : 536-274
 Northing Coord. : 791145.12
 Easting Coord. : 552289.31
 Elevation :
 Geologist : George Nemeth

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS
0					Dk brown, moist, m-f Sand and Silt, t. f. gravel		
		SM					
.5					Lgt brown, wet, m-f SAND, t. c. sand, t. f. gravel		
		SP					
1							
1.5				1			
2					EOB	Pb, Hg	POM-S-536-274(1.5-2.0)
2.5							



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Date : 12/1/09
 Drilling Method : Direct push
 Sampling Method : 2" macrocore
 Driller : Arcadis
 Boring ID : 536-275

Survey ID : 536-275
 Northing Coord. : 791128.5
 Easting Coord. : 552292.3
 Elevation :
 Geologist : George Nemeth

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS
0		OH		1	Dk. brown, moist, Silt and Organics (roots)	Hg, Pb, Se	POM-S-536-275(0.0-0.5') Collect MS/MSD/DUP as well
.5		ML			Dk brown, moist-wet, SILT, t, f, -m sand		
1		OH			Black, very moist, SILT with organics, t. m. gravel		
1.5		SP		2	Dk borwn, moist, m-f SAND, t.c.sand, t. silt, t. m. gravel	Pb	POM-S-536-275 (1.5-2.0')
2		EOB					
2.5							



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Date : 12/1/09
 Drilling Method : Direct Push
 Sampling Method : 2" macrocore
 Driller : Arcadis
 Boring ID : 536-276

Survey ID : 536-276
 Northing Coord. : 791132.2
 Easting Coord. : 552279.2
 Elevation :
 Geologist : George Nemeth

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS
0		SM		1	Dk gray, moist, f-m SAND, some silt, t. f. gravel, t. leaves	Pb, Hg, Se	POM-S-536-276 (0.0-0.5')
.5					Lgt brown, moist-we,t m. SAND, t. f. sand, t. c. sand, t. silt		
1		SP					
1.5					EOB		
2							



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Date : 12/4/09
 Drilling Method : Direct Push
 Sampling Method : 2" macrocore
 Driller : Arcadis
 Boring ID : 536-276

Survey ID : 536-276
 Northing Coord. : 791132.2
 Easting Coord. : 552279.2
 Elevation :
 Geologist : George Nemeth

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS
0		SP			Dk gray-clack, wet, f-m SAND, t. silt, t. c. sand, t. f. gravel		
.5		SP			Dk gray-black, wet, m-c SAND, t. f. sand, t. m. gavel		
1		SP			Lgt brown, moist-wet, m-f SAND, t. c. sand, some f. grvael		
1.5		SP		1	Lgt brown, moist-wet, f-m SAND, t. c. sand	Pb, Hg	POM-S-536-276 (1.5-2.0')
2					EOB		
2.5							



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Date : 12/22/09
 Drilling Method : Direct Push
 Sampling Method : 2" macrocore
 Driller : Arcadis
 Boring ID : 536-277

Survey ID : 536-277
 Northing Coord. : 791141.6
 Easting Coord. : 552268.9
 Elevation :
 Geologist : George Nemeth

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS
0		SP			Lgt brown, moist, m-f SAND, t. silt		
0.5		SW			lgt brown, moist, f-m-c. SAND, t. silt		
1.0		SW			Dk brown, moist, f-m-c SAND, t. silt		
1.5		SW		1	Lgt brown, moist, f-m-c SAND, t. silt		
2.0					Lgt brown, moist, f. SAND, t. silt	Pb, Hg	POM-S-536-277 (1.5-2.0')
2.5							
3.0		SP					
3.5							
4.0					EOB		
4.5							



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Date : 12/1/09
 Drilling Method : hand trowel
 Sampling Method : bag
 Driller : Arcadis
 Boring ID : 536-278

Survey ID : 536-278
 Northing Coord. : 791110.5
 Easting Coord. : 552299.7
 Elevation :
 Geologist : George Nemeth

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS
0		ML		1	Black, very moist, SILT, t. m-f sand, t. f. roots and organics	Pb, Se	POM-S-536-278 (0.0-0.5')
.5					EOB		
1							



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Date : 12/1/09
 Drilling Method : hand trowel
 Sampling Method : bag
 Driller : Arcadis
 Boring ID : 536-279

Survey ID : 536-279
 Northing Coord. : 791099.0
 Easting Coord. : 552279.5
 Elevation :
 Geologist : George Nemeth

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS
0		OH		1	Black, very moist - wet, SILT, some organics (roots)	Pb, Se	POM-S-536-279 (0.0-0.5')
.5					EOB		
1							



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Date : 12/1/09
 Drilling Method : hand trowel
 Sampling Method : bag
 Driller : Arcadis
 Boring ID : 536-280

Survey ID : 536-280
 Northing Coord. : 791087.6
 Easting Coord. : 552261.8
 Elevation :
 Geologist : George Nemeth

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS
0		ML			Black, very moist, SILT, t. m-f. sand, t. roots		
.5					EOB		
1							



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Date : 12/1/09
 Drilling Method : hand trowel
 Sampling Method : bag
 Driller : Arcadis
 Boring ID : 536-281

Survey ID : 536-281
 Northing Coord. : 791078.4
 Easting Coord. : 552256.7
 Elevation :
 Geologist : George Nemeth

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS
0		ML			Black, very moist, SILT, t. f-m. sand, t. organics (roots)		
.5					EOB		
1							



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Date : 12/7/09
 Drilling Method : Direct push
 Sampling Method : 2" macrocore
 Driller : Arcadis
 Boring ID : 536-282

Survey ID : 536-282
 Northing Coord. : 791047.0
 Easting Coord. : 552250.8
 Elevation :
 Geologist : George Nemeth

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS
0					Black, moist, organic SILT, t. fibers		
0.5		OH					
1.0		SM		1	Dk brown, very moist, silty, m-f SAND, t. c. sand, t. f. gravel	Pb	POM-S-536-282 (1.0-1.5')
1.5							
2.0		ML			Brown, very moist, f. sandy SILT, t. clay		
2.5							
3.0		GP/SP		2	Lgt brwn, wet, m-f Sand and Gravel, t. silt	Pb	POM-S-536-282 (3.0-3.5')
3.5							
4.0							
4.5		OH		3	Black, moist, organic SILT, t. f. sand, t. twigs, roots	Pb, Hg	POM-S-536-282 (4.0-4.5')
5.0							
5.5							
6.0					EOB		



DuPont Pompton Lakes Works
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 Delta Uplands RI
 Project No. 445507

Date : 12/14/09
 Drilling Method : hand trowel
 Sampling Method : bag
 Driller : Arcadis
 Boring ID : 536-283

Survey ID : 536-283
 Northing Coord. : 791044.4
 Easting Coord. : 552258.8
 Elevation :
 Geologist : George Nemeth

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS
0		OH		1	Dk brown, moist, SILT, some roots, t. f. sand	Pb, Hg	POM-S-536-283 (0.0-0.5')
.5					EOB		
1							



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 Project No. 445507

Date : 12/14/09
 Drilling Method : hand trowel
 Sampling Method : bag
 Driller : Arcadis
 Boring ID : 536-283

Survey ID : 536-283
 Northing Coord. : 791044.4
 Easting Coord. : 552258.8
 Elevation :
 Geologist : George Nemeth

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS
0		OH		1	Dk brown, moist, SILT, some roots, t. f. sand	Pb, Hg	POM-S-536-283 (0.0-0.5')
.5					EOB		
1							



DuPont Pompton Lakes Works
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 Project No. 445507

Date : 12/7/09
 Drilling Method : Direct push
 Sampling Method : 2" macrocore
 Driller : Arcadis
 Boring ID : 536-284

Survey ID : 536-284
 Northing Coord. : 791049.9
 Easting Coord. : 552258.5
 Elevation :
 Geologist : George Nemeth

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS
0					Black, moist, organic SILT, t. fibers		
0.5		OH					
1		OH			Dk brown, very moist-wet, SILT, some fibers and reed		
1.5		OH					
2		SM		1	Lgt brown, wet, f-m SAND, t. f. gravel, some silt	Pb	POM-S-536-284 (2.0-2.5')
2.5		SP			lgt brown, moist, m-f SAND, t. silt		
3		SP			lgt brown, moist, f SAND		
3.5		SP		2	lgt brown, moist, f SAND, t.f. gravel	Pb, Hg	POM-S-536-284 (3.0-3.5')
4		SP		3	lgt brown-brown, very moist, m-f SAND, t. silt	Pb, Hg	POM-S-536-284 (4.0-4.5')
4.5		OH			Black, moist organic SILT		
5		ML/OH		4	Black, moist, f. sandy, organic, SILT	Pb, Hg	POM-S-536-284 (5.0-5.5')
5.5		SM			Black, moist, silty m-f SAND, degradation odor		
6					EOB		



DuPont Pompton Lakes Works
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 Project No. 445507

Date : 12/10/09
 Drilling Method : Vibracore
 Sampling Method : 3" macrocore
 Driller : Arcadis
 Boring ID : 536-285

Survey ID : 536-285
 Northing Coord. : 791050.5
 Easting Coord. : 552257.9
 Elevation :
 Geologist : George Nemeth

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS
0					Dk brown-black, wet, rooty, fibrous, SILT		
0.5		OH					
1				1	Dk brown, wet, mucky, SILT, t. fibers	Pb	POM-S-536-285 (1.0-1.5)
1.5							
2		ML		2		Pb	POM-S-536-285 (2.0-2.5) Collected Duplicate
2.5							
3							
3.5					Red/brown, wet, very silty, f. SAND, t. m. gravel		
4		SM		3		Pb	POM-S-536-285 (4.0-4.5')
4.5							
4.5		OH/PT			Black, very moist, peaty SILT, some fibers		
5							
5		OH		4	Black, wet, Organic SILT, t. m-f sand, t. clay	Pb	POM-S-536-285 (5.0-5.5') Collect MS/MSD
5.5							
6					EOB		
6.5							



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Date : 12/4/09
 Drilling Method : Direct push
 Sampling Method : 2" macrocore
 Driller : Arcadis
 Boring ID : 536-286

Survey ID : 536-286
 Northing Coord. : 790992.8
 Easting Coord. : 552234.1
 Elevation :
 Geologist : George Nemeth

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS	
0					Dk brown, moist, SILT, t. f. sand, organics, roots			
.5		ML						
1				1	Brown, moist, m-f SAND with f-m gravel, t. silt (tight)	Pb	POM-S-536-286 (1.0-1.5')	
1.5		SP						
2					Black, wet, organic SILT, t. f. sand, t. m. sand			
2.5		OH						
3					Black, moist, Silt and Clay, organic			
3					Dk, brown, moist, silty f. SAND, some clay			
3.5		SM/SC		2		Pb	POM-S-536-286 (3.0-3.5)	
3.5		EOB						
4								



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Date : 12/4/09
 Drilling Method : Direct push
 Sampling Method : 2" macrocore
 Driller : Arcadis
 Boring ID : 536-287

Survey ID : 536-287
 Northing Coord. : 790986.3
 Easting Coord. : 552226.3
 Elevation :
 Geologist : George Nemeth

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS
0		ML			Dk brown-black, moist, SILT, some f-m. sand, t. f. gravel		
.5		GW		1	Dk-lgt brown, moist GRAVEL, come m-c sand	Hg, Pb	POM-S-536-287 (1.0-1.5')
1		GP		2	Dk gray, very moist-wet, m-c Sand and Gravel, t. silt	Pb	POM-S-536-287 (2.0-2.5')
1.5		OH			Black, moist, organic SILT, some clay		
2		ML		3	Dk brown, moist, f. sandy SILT, t. peat (flaky)	Pb	POM-S-536-287 (3.0-3.5')
2.5							
3							
3.5					EOB		
4							



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Date : 12/8/09
 Drilling Method : Direct push
 Sampling Method : 2" macrocore
 Driller : Arcadis
 Boring ID : 536-288

Survey ID : 536-288
 Northing Coord. : 790985.2
 Easting Coord. : 552239.0
 Elevation :
 Geologist : George Nemeth

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS
0					Dk brown-black, moist, m-f sandy SILT, t. f. gravel		
.5		ML					
1		GM		1	Lgt brown, very moist, silty, m-f GRAVEL, t. c. sand	Pb, Hg	POM-S-536-288 (1.0-1.5')
1.5		GM			Black, very moist, silty m-f GRAVEL, t. c. sand		
2		OH			Black, organic SILT		
3		PT		2	Dk brown, moist, silty, PEAT	Pb	POM-S-536-288 (3.0-3.5')
3.5					EOB		
4							



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Date : 12/7/09
 Drilling Method : Direct push
 Sampling Method : 2" macrocore
 Driller : Arcadis
 Boring ID : 536-289

Survey ID : 536-289
 Northing Coord. : 790993.0
 Easting Coord. : 552240.9
 Elevation :
 Geologist : George Nemeth

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS
0		ML			Dk brown, moist, SILT, t. f. sand, t. clay, t. roots		
0.5		SM			lgt brown, wet, Silt and m-f. Sand, t. clay, t. f. gravel		
1.0		SP		1	Black-dk brown, wet-very moist, m-SAND	Hg, Pb	POM-S-536-289 (1.0-1.5')
1.5		GP			Dk gray, moist, f-m GRAVEL, some f-c sand		
2.0		ML		2	Dk brown, wet, SILT, t. peat and organics	Pb	POM-S-536-289 (2.0-2.5')
2.5							
3.0				3		Pb	POM-S-536-289 (3.0-3.5')
3.5					EOB		
4.0							



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Date : 12/2/09
 Drilling Method : Vibracore
 Sampling Method : 3" macrocore
 Driller : Arcadis
 Boring ID : 536-290

Survey ID : 536-290
 Northing Coord. : 790998.4
 Easting Coord. : 552244.4
 Elevation :
 Geologist : George Nemeth

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS
0					Black, wet, Silt and Organics		
0.5		OH					
1.0							
1.25		SM			Dk gray, wet, f-m Sand and Silt, t. m. gravel		
1.5		SP			Dk gray, very moist-wet, m-f SAND, some m-f gravel, t. plywood		
2.0		GP			Lgt. brown, very moist, f-m GRAVEL, t. f-m sand		
2.25		SM			Dk brown-black, wet, Silt and f-m Sand, t. f-m gravel, t. wood		
2.5		SP			Dk brown, moist, f-m SAND, t. silt, t. m-f gravel		
2.75		OH			Black, very moist, organic, Silt and Clay		
3.0		SP		1	Dk brown, moist, f-m SAND, t. silt	Pb	POM-S-536-290 (3.0-3.3')
3.5					EOB		



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 Project No. 445507

Date : 1/07/10
 Drilling Method : Direct Push
 Sampling Method : Vibracore
 Driller : Arcadis
 Boring ID : 536-290D2

Survey ID : 536-290D2
 Northing Coord. : 790998.4
 Easting Coord. : 552244.4
 Elevation :
 Geologist : George Nemeth

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS
0					Soil classification for 0.0-3.5' can be viewed in Boring No: 290		
0.5							
1							
1.5							
2							
2.5							
3							
3.5		SM			Brown, moist, silty f-m SAND, t. organics		
4		SM		1	Brown-gray f-m Sand and Silt, moist		
4.5		SW/PT			Dk brown, moist, peaty, f-m-c SAND	Hg	POM-S-536-290D2 (4.0-4.5')
5					EOB		
5.5							



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 Project No. 445507

Date : 12/3/09
 Drilling Method : Vibracore
 Sampling Method : 3" macrocore
 Driller : Arcadis
 Boring ID : 536-291

Survey ID : 536-291
 Northing Coord. : 790995.6
 Easting Coord. : 552276.9
 Elevation :
 Geologist : George Nemeth

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS
0					Black-dk brown, very moist, silty ORGANICS (leaves, roots, twigs)		
0.5		PT					
1		SM		1	Black, moist, silty f. SAND	Pb	POM-S-536-291 (1.0-1.5')
1.5		SP			Black-dk gray, moist, m-f SAND, some c. sand		
2		SM			Dk brown, moist, f. SAND, some silt		
2.5		ML			Black, moist SILT, some f. sand, t. organics		
3		SP			Black, moist f-m SAND		
3.5		ML			Black, moist-wet, mucky, SILT, with a 2" layer of shiny gelatinous fuelodor sticky material		
4		OH			Brown-light brown, moist-wet peaty SILT, t. fibers		
4.5					EOB		



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Date : 12/21/09
 Drilling Method : Vibracore
 Sampling Method : 3" macrocore
 Driller : Arcadis
 Boring ID : 536-291D

Survey ID : 536-291D
 Northing Coord. : 790995.6
 Easting Coord. : 552276.9
 Elevation :
 Geologist : George Nemeth

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS	
0					Soil classification for 0.0-4.0' can be reviewed in Boring No:536-291			
0.5								
1								
1.5								
2								
2.5								
3								
3.5								
4		ML		1	Brown, f-m sandy SILT, moist	Hg	POM-S-536-291D (4.0-4.5')	
4.5		ML			Brown, moist, SILT, t. f-m sand, t. organics			
5		OH			Dk brown, moist, peaty SILT, t. f-m sand. t. f. gravel			
6		SM			Dk brown, very moist, silty SAND, f. gravel			
6.5		EOB Refusal at 6.2'						
7								



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Date : 12/9/09
 Drilling Method : Vibracore
 Sampling Method : 3" macrocore
 Driller : Arcadis
 Boring ID : 536-292

Survey ID : 536-292
 Northing Coord. : 790997.2
 Easting Coord. : 552303.7
 Elevation :
 Geologist : George Nemeth

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS
0		OH			Black, wet, mucky, SILT, some wood, fibers		
0.5							
1		SP		1	Black, very moist, m-c, SAND, t.f. sand, t. f. gravel	Pb	POM-S-536-292 (1.0-1.5')
1.5							
2		OH			Black, very moist, organic SILT, t. layering of leave, t. f. sand		
2.5				2	Dk brown, very moist, silty PEAT	Pb	POM-S-536-292 (2.0-2.5')
3							
3.5		SP		3	lgt brown, moist, f-m SAND, some f-m gravel	Pb, Hg	POM-S-536-292 (3.0-3.5')
4					EOB		
4.5							



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 Project No. 445507

Date : 12/10/09
 Drilling Method : Vibracore
 Sampling Method : 3" macrocore
 Driller : Arcadis
 Boring ID : 536-294

Survey ID : 536-294
 Northing Coord. : 791026.4
 Easting Coord. : 552305.5
 Elevation :
 Geologist : George Nemeth

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS
0					Black, very moist, rooty SILT, t. twigs and wood		
0.5		OH					
1				1		Pb	POM-S-536-294 (1.0-1.5')
1.5		OH			Black, very moist, organic clayey, SILT		
		OH			Dk brown, very moist, peaty SILT		
2		ML			Dk brown, very moist, f. sandy SILT, t. peat		
2.5		GP			Lgt brown, moist, f-m GRAVEL, t. f-c sand		
3							
3.5		SP		2	lgt brown, moist, f-c SAND, t. f. gravel	Hg	POM-S-536-294 (3.0-3.5')
4					EOB		
4.5							



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Date : 12/8/09
 Drilling Method : Direct push
 Sampling Method : 2" macrocore
 Driller : Arcadis
 Boring ID : 536-295

Survey ID : 536-295
 Northing Coord. : 791025.2
 Easting Coord. : 552271.9
 Elevation :
 Geologist : George Nemeth

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS	
0		OL			Dk brown, wet-slightly moist, ROOT MASS, some silt, t. wood, t. leaves			
.5		SM			Black, silty f. SAND			
1		OH			Black, moist, organic, SILT, t.f.sand			
1.5		PT			Dk brown, very moist, silty PEAT			
2		SP			lgt brown,very moist, m-f. SAND, some f-m gravel			
2.5		SM		1	lgt brown, very moist, m-f, Sand and Silt	Pb, Hg	POM-S-536-295 (2.0-2.5') Collect MS/MSD/Dup	
3		OH			Dk brown, very moist SILT, some grass fiber, some peat fibers, t. clay			
3.5		ML		2	Black, wet, SILT, t. f sand	Pb, Hg	POM-S-536-295 (3.0-3.5')	
4		EOB						



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Date : 12/2/09
 Drilling Method : Vibracore
 Sampling Method : 3" macrocore
 Driller : Arcadis
 Boring ID : 536-296

Survey ID : 536-296
 Northing Coord. : 791025.2
 Easting Coord. : 552270.0
 Elevation :
 Geologist : George Nemeth

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS
0		OH			Black, wet, SILT and Organics (leaves, roots, twigs)		
.5		OH			Black, wet, organic, mucky, SILT, t. f. sand		
1							
1.5		GP			dk brown, c-f Sand and f-m Gravel, some silt		
2							
2.5		SP			lgt brown, moist, m-f SAND, t. silt		
3		ML		1	Black, very moist, SILT, t. f. sand	Pb	POM-S-536-296 (3.0-3.5')
3.5					EOB		
4							



DuPont Pompton Lakes Works
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Date : 12/21/09
 Drilling Method : Vibracore
 Sampling Method : 3" macrocore
 Driller : Arcadis
 Boring ID : 536-296D

Survey ID : 536-296D
 Northing Coord. : 791051.7
 Easting Coord. : 552270.0
 Elevation :
 Geologist : George Nemeth

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS
0		PT			Dk brown, wet. leaf pile, some roots, some wood		
0.5		OH			Dk brown, SILT, t. f-m sand, some organics		
1							
1.5							
2		SM/SP			Brown, f-m SAND, some f. gravel, some silt, moist		
2.5							
3		SP			Lgt brown, moist, f-m SAND, t. silt		
3.5							
4		OH		1	Brown, peaty SILT, t. f-m sand, t. m. gravel	Hg	POM-S-536-296D (4.0-4.5')
4.5							
5		ML			Brown, moist, m. sandy SILT, t. f. gravel		
5.5							
6					EOB		



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Date : 12/2/09
 Drilling Method : Vibracore
 Sampling Method : 3" macrocore
 Driller : Arcadis
 Boring ID : 536-297

Survey ID : 536-297
 Northing Coord. : 791087.1
 Easting Coord. : 552277.8
 Elevation :
 Geologist : George Nemeth

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS	
0		PT			Black, wet-very moist, ORGANICS (leaves, twigs, wood)			
0.5		SP			lgt brown, very moist, m-f, SAND, t. c. sand, t. silt, t. m-f gravel			
1.0		GP		1	lgt brown, wet, m-f Sand and Gravel, some silt	Pb, Hg	POM-S-536-297 (1.0-1.5') Collect Duplicate from same location	
2.0		GP			lgt brown, wet, m-f Sand and Gravel, t. c sand, t. f. cobbles			
2.5		GP						
3.0		GP			lgt brown, moist, m-f Sand and Gravel, t. c. sand			
3.5		EOB						



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Date : 12/4/09
 Drilling Method : Direct push
 Sampling Method : 2" macrocore
 Driller : Arcadis
 Boring ID : 536-299

Survey ID : 536-299
 Northing Coord. : 791133.5
 Easting Coord. : 552317.5
 Elevation :
 Geologist : George Nemeth

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS	
0		SM		1	Dk brown, very moist, f-m sandy SILT, t. f. gravel	Hg, Pb	POM-S-536-299 (0.0-0.5') Also collect Duplicate for Se at this depth	
.5		SP			Dk brown, moist, m-f SAND, t. silt, t. c. sand			
1		SM			Dk brown, moist-wet, silty, m-f SAND, some f. gravel, t. c. sand			
1.5		SM			Black, moist-wet, silty, m-f SAND, some f. gravel, t.c. sand			
2		SM			Black, very moist, f. Sand and Silt, t. m. sand			
2.5		SP			Black, wet, f-c SAND, t. wood. roots			
3		SM			Dk brown, wet, silty, m-c SAND, some f. gravel			
3.5		SM			Black, wet, f-c Sand and Silt			
3.5		SP			Rd/brown, very moist, c-m SAND, some f. gravel			
4		EOB						



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Date : 12/9/09
 Drilling Method : Direct push
 Sampling Method : 2" macrocore
 Driller : Arcadis
 Boring ID : 536-299

Survey ID : 536-299
 Northing Coord. : 791133.5
 Easting Coord. : 552317.5
 Elevation :
 Geologist : George Nemeth

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS
0					Dk brown, moist, SILT, t. f. sand, some roots		
0.5		OH					
1				1		Pb, Hg	POM-S-536-299 (1.0-1.5')
1.5		SP			Dk brown, wet, m-f. Sand with f-m Gravel, t. m. stone		
2		SP			dk brown, wet, m-f SAND with f-m gravel, t. m. stone		
2.5		SM		2	Black, wet-very moist, f-m SAND, some silt	Pb	POM-S-536-299 (2.0-2.5')
3		GP		3	Red-brown, moist, f-m GRAVEL, t. c. sand	Pb	POM-S-536-299 (3.0-3.5')
3.5					EOB		
4							



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Date : 12/1/09
 Drilling Method : hand trowel
 Sampling Method : bag
 Driller : Arcadis
 Boring ID : 536-300

Survey ID : 536-300
 Northing Coord. : 791127.9
 Easting Coord. : 552332.7
 Elevation :
 Geologist : George Nemeth

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS
0		ML		1	Black, very moist, SILT, t. f. sand, t. roots	Pb, Se	POM-S-536-300 (0.0-0.5')
.5					EOB		
1							



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Date : 12/15/09
 Drilling Method : Direct Push
 Sampling Method : 2" macrocore
 Driller : Arcadis
 Boring ID : 536-301

Survey ID : 536-301
 Northing Coord. : 791138.8
 Easting Coord. : 552351.4
 Elevation :
 Geologist : George Nemeth

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS
0				1	Dk brown, moist, silty SAND, some f-m gravel (tight), odor	Pb, Se	POM-S-536-301 (0.0-0.5')
0.5							
1							
1.5							
2							
2.5		SM					
3							
3.5							
4							
4.5							
5		SM			Black, moist, silty SAND, t. wood, some f-m gravel		
5.5							
6					EOB		
6.5							



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Date : 12/11/09
 Drilling Method : Direct Push
 Sampling Method : 2" macrocore
 Driller : Arcadis
 Boring ID : 536-302

Survey ID : 536-302
 Northing Coord. : 791138.8
 Easting Coord. : 552359.2
 Elevation :
 Geologist : George Nemeth

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS
0					Dk brown, moist, sandy, SILT, some roots		
.5		OH					
1							
1.5					lgt brown, moist, f-m. SAND, some f-m gravel, t. clay (tight)		
2		SP					
2.5							
3							
3.5		SP			Black, moist, silty f-m SAND, some f-m gravel, t clay (tight)		
4							
4		OH/SP			Black organic Silt and f. Sand		
4.5							
4.5		SP			Dk-lgt brown, wet, f-m SAND, t. c. sand		
5							
5.5							
5.5		SP			Dk-lgt brown, wet, m-c SAND, t. f-m gravel		
6							
6					EOB		
6.5							



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Date : 12/15/09
 Drilling Method : Direct Push
 Sampling Method : 2" macrocore
 Driller : Arcadis
 Boring ID : 536-303

Survey ID : 536-303
 Northing Coord. : 791138.9
 Easting Coord. : 552360.9
 Elevation :
 Geologist : George Nemeth

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS	
0					Dk brown, moist, SILT, t. leaves, t. roots, t. f. sand, t. f-m gravel			
0.5		ML						
1								
1.5								
2		SP			Lgt brown, moist, f-m SAND, some f-m gravel			
2.5								
3		ML			Dk brown-Black, moist, SILT, t, f, sand, t, clay			
3.5		SM			Black, moist, silty f. SAND			
4		SP			Dk gray, moist, f-c SAND, t. f-m gravel			
4.5		SP			Dk gray, moist, f-c SAND, t. f-m gravel			
5		SP			Dk gray, moist, f-m SAND, t. silt			
5.5		SP			Lgt brown, moist, f-m SAND, t. silt			
6		SP			Black, moist, f-m SAND, t. silt			
6.5		EOB						



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Date : 12/11/09
 Drilling Method : Direct Push
 Sampling Method : 2" macrocore
 Driller : Arcadis
 Boring ID : 536-304

Survey ID : 536-304
 Northing Coord. : 791128.8
 Easting Coord. : 552359.7
 Elevation :
 Geologist : George Nemeth

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS
0					Black, moist, SILT, some roots and fibers, t. f. sand		
.5		OH					
1					Dk brown, f. sandy SILT, t. f gravel		
1.5		ML					
2					Black-dk brown, m-f SAND, t. f-m gravel		
2.5							
3		SP					
3.5							
4					Dk gray m-f SAND, poorly graded		
4.5		SP					
5							
5.5					Black-dk brown, SILT, t. peat, t. f. sand, moist		
6		ML					
6.5					EOB		



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Date : 12/22/09
 Drilling Method : hand trowel
 Sampling Method : bag
 Driller : Arcadis
 Boring ID : 536-305

Survey ID : 536-305
 Northing Coord. : 791161.9
 Easting Coord. : 552378.7
 Elevation :
 Geologist : George Nemeth

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS
0		ML		1	Dk brown, moist, f. sandy, SILT, t. m. gravel, t. organics	Pb, Se	POM-S-536-305 (0.0-0.5')
.5					EOB		
1							



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Date : 12/21/09
 Drilling Method : Vibracore
 Sampling Method : 3" macrocore
 Driller : Arcadis
 Boring ID : 536-306

Survey ID : 536-306
 Northing Coord. : 791106.3
 Easting Coord. : 552320.6
 Elevation :
 Geologist : George Nemeth

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS	
0		SW			Lgt brown, f-m-c SAND, some f-m gravel, t. organics, moist			
0.5		ML			Dk brown, sandy SILT, t. organics, some f-m sand, moist			
1		OH			Dk brown, f-m sandy SILT, some organics, moist			
2		SM			Dk brown. f-m-c silty SAND, t. f. gravel, moist			
2.5		PT			Dk brown, moist, silty PEAT, t. f-m sand			
3				1	Brown f-m sandy Silt and Peat, t. f. gravel, moist	Pb, Hg	POM-S-536-306 (3.0-3.5') Collect MS/MSD/Duplicate as well	
3.5		OH/PT						
4								
4.5		ML			Brown, SILT, some f-m sand, t. organics, moist			
4.5		EOB						
5								
5.5								
6								



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Date : 12/16/09
 Drilling Method : Direct Push
 Sampling Method : 2" macrocore
 Driller : Arcadis
 Boring ID : 536-310

Survey ID : 536-310
 Northing Coord. : 791123.1
 Easting Coord. : 552353.2
 Elevation :
 Geologist : George Nemeth

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS
0					Dk brown, moist, SILT, t. f. sand, t. roots		
.5		ML					
1					Lgt brown, moist, SILT, t. roots		
1.5		ML					
2					Black, moist, SILT, t. roots		
2.5		ML					
3		SM		1	Black, moist, m-f SAND, some silt, t. c. sand, t. f. gravel	Pb	POM-S-536-310 (3.0-3.5')
3.5							
4		SM			Lgt brown, m-f SAND, some silt, t. c. sand, t. f. gravel		
4.5							
5		SP			Lgt brown-dk gray, very moist, f-c SAND, t. silt, t. f. gravel		
5.5		OH			Black, moist, organic SILT, t. f. sand, t. clay		
6		OH			Lgt brown, moist, peaty SILT		
6.5		ML		2	Lgt brown, moist, f-m, sandy SILT, t. f-m gravel	Hg	POM-S-536-310 (6.0-6.5')
7					EOB		
7.5							



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Date : 12/14/09
 Drilling Method : Direct Push
 Sampling Method : 2" macrocore
 Driller : Arcadis
 Boring ID : 536-313

Survey ID : 536-313
 Northing Coord. : 791047.3
 Easting Coord. : 552410.0
 Elevation :
 Geologist : George Nemeth

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS
0					Dk brown, wet, Organics (leaves, roots) and Silt		
0.5		OH					
1		OH			Dk brown, wet, SILT, some roots, t. m gravel		
1.5							
2		SM			Dk brown, very moist, silty, m-f SAND, t. f. gravel		
2.5							
3		SP			Dk gray, moist, m-f SAND, some c. sand, t. f. gravel		
3.5							
4		SM			Dk gray-black, wet, silty f. SAND,		
4.5							
5		OH			Dk gray-black, wet, m-f sandy SILT, t. leaves, t. wood (organic silt)		
5.5							
6							
6.5		OH		1	Dk brown, very moist, Wood and Silt	Pb, Hg	POM-S-536-313 (6.0-6.5')
7					EOB		
7.5							
8							



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Date : 12/16/09
 Drilling Method : Direct Push
 Sampling Method : 2" macrocore
 Driller : Arcadis
 Boring ID : 536-314

Survey ID : 536-314
 Northing Coord. : 791072.6
 Easting Coord. : 552406.9
 Elevation :
 Geologist : George Nemeth

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS
0		OL			Black, moist, rooty SILT, t. f. sand		
0.5					Dk brown, moist, SILT, t. f. sand, t. roots		
1		ML					
1.5					Dk gray-black, moist, m-f SAND, t. silt		
2		SP					
2.5				1	Dk gray-black, moist, m-c SAND, t. silt	Pb	POM-S-536-314 (2.0-2.5')
3		SP					
3.5							
4					Dk brown-gray, m-c SAND, some f. gravel. t. glass		
4.5		SP		2		Hg	POM-S-536-314 (4.0-4.5')
5					Black-dk brown, moist, f-m SAND, some silt		
5.5		SM					
6							
6.5					Dk brown, moist, peaty SILT, t. f. sand		
7		OH					
7.5					EOB		



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Date : 12/14/09
 Drilling Method : Direct Push
 Sampling Method : 2" macrocore
 Driller : Arcadis
 Boring ID : 536-315

Survey ID : 536-315
 Northing Coord. : 791102.8
 Easting Coord. : 552405.9
 Elevation :
 Geologist : George Nemeth

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS
0					Dk brown, moist, SILT, some roots		
0.5		OH					
1		ML			Dk brown, moist, SILT, t. f. sand		
1.5		GP		1	Lgt brown, moist, f-m Sand and f-m Gravel	Pb	POM-S-536-315 (1.0-1.5')
2					Dk gray, moist, f-m SAND, some, silt, t. leaf layering		
2.5		SM					
3							
3.5							
4		SP			Dk gray, very moist, very f SAND		
4.5		GP			Dk gray, very moist, m-c Sand and f. Gravel (coarsing to gravel downward)		
5							
5.5		SP			Dk gray, m-f SAND, t. c. sand		
6		CH			Dk brown, moist CLAY, t. f. sand		
6.5		ML			Dk brown, very moist, f. sandy SILT		
7		OH		2	Dk brown, moist, peaty CLAY	Hg	POM-S-536-315 (7.0-7.5')
7.5					EOB		
8							



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Date : 1/05/10
 Drilling Method : Direct Push
 Sampling Method : 2" macrocore
 Driller : Arcadis
 Boring ID : 536-316

Survey ID : 536-316
 Northing Coord. : 791144.1
 Easting Coord. : 552372.6
 Elevation :
 Geologist : George Nemeth

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS
0					Dk brown, wet, Silt and f-m Sand		
0.5		SM					
1		SP			Dk brown, very moist, m-c SAND, t. f. gravel, t. silt		
1.5							
2		ML			Black, very moist, SILT, some m-f sand		
2.5							
3		SM			Black, very moist, silty m-f SAND		
3.5							
4		ML		1	Black, SILT, t. f. sand, t. wood. t. leaves, very moist, layering of leaves	Pb	POM-S-536-316 (4.0-4.5')
4.5		OH			Black, very moist, organics, SILT, t. clay		
5		OH		2	Lgt -dk brown, moist, peaty SILT	Hg	POM-S-536-316 (5.0-5.5')
5.5		SP			Dk gray, moist, m-f SAND, some silt, t. f-m gravel		
6							
6.5		ML			Black, SILT, t. peat, fibers, wood		
7					EOB		
7.5							



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Date : 1/05/10
 Drilling Method : Direct Push
 Sampling Method : 2" macrocore
 Driller : Arcadis
 Boring ID : 536-317

Survey ID : 536-317
 Northing Coord. : 791163.4
 Easting Coord. : 552381.6
 Elevation :
 Geologist : George Nemeth

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS
0					Black, wet mucky SILT, t. wood, t. f. sand, t. gravel		
0.5							
1							
1.5		ML					
2							
2.5							
3		SM			Black, wet, f-c SAND, some silt, t. f. gravel		
3.5		OH			Black, wet, organic, SILT, t. m-f sand, t. leaf layering		
4		ML			Black, moist, SILT, t. peat		
4.5		OH		1	Lgt brown, moist, peaty SILT	Pb, Hg	POM-S-536-317 (4.0-4.5')
4.5		SM			Lgt brown, moist, silty f-m SAND, t. fibers, t. f. gravel		
5					Lgt brown, moist, peaty SILT		
5.5		OH					
6					Dk gray-black, moist. f-c SAND, t. f. gravel, t. silt		
6.5		SP					
7							
7.5		SP			Dk gray-black, moist, f-m SAND		
8					EOB		
8.5							
9							
9.5							
10							



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Date : 12/7/09
 Drilling Method : Direct push
 Sampling Method : 2" macrocore
 Driller : Arcadis
 Boring ID : 536-321

Survey ID : 536-321
 Northing Coord. : 791113.2
 Easting Coord. : 552346.2
 Elevation :
 Geologist : George Nemeth

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS
0					Black, wet, ROOTS, t. silt, t. f. sand (tight)		
0.5		PT					
1.0					lgt brown-gray, wet, m-c Sand and f-m Gravel		
1.5							
2.0							
2.5		GP					
3.0							
3.5							
4.0		SM			Dk brown, wet, silty f. SAND		
4.5		SP			Dk gray, wet, m-f SAND, t. silt		
5.0		SP			Dk brown, moist, m-c SAND, t. f. gravel		
5.0		OH			Black wet, SILT (organic)		
5.0		OH		1	Bk brown, very moist-wet, peaty SILT, fiber	Hg, Pb	POM-S-536-321 (5.0-5.5')
5.5					EOB		
6.0							



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Date : 12/8/09
 Drilling Method : Direct push
 Sampling Method : 2" macrocore
 Driller : Arcadis
 Boring ID : 536-322

Survey ID : 536-322
 Northing Coord. : 791112.3
 Easting Coord. : 552371.3
 Elevation :
 Geologist : George Nemeth

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS
0					Dk brown-black, moist, SILT, some roots, t. leaves		
.5		OH					
1		SM			lgt brown, moist , silty, f. SAND, some roots (tight)		
1.5		OH			Black, moist, organic SILT, t. f. sand		
2					Dk gray-lgt brown, very moist, m-c Sand and f. Gravel		
2.5		GP					
3							
3.5					Black-lgt brown, very wet-moist, m-f SAND, t. gravel		
4		SP					
4.5							
5		OH			Black, f. sandy, organic, SILT		
5.5		PT			Dk brown, moist, silty, PEAT		
6					EOB		
6.5							



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Date : 12/10/09
 Drilling Method : Macrocore
 Sampling Method : 2" macrocore
 Driller : Arcadis
 Boring ID : 536-323

Survey ID : 536-323
 Northing Coord. : 791100.7
 Easting Coord. : 552369.9
 Elevation :
 Geologist : George Nemeth

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS
0					Dk brown, moist, SILT, t. roots, t. f-m sand		
.5		ML					
1					Dk -lgt brown, moist, SILT, t. roots, t. silty f-m sand		
1.5		ML					
2					Black, wet, f. SAND, t. silt		
2.5		SP					
3					lgt gray-lgt brown, moist, f-m, GRAVEL		
3.5		GP					
4					Dk gray, very moist, very f. SAND, poorly graded		
4.5		SP					
5		ML			Dk gray, very moist, clayey SILT		
		OH			Black, very moist, organic SILT, some clay, t. f. sand		
5.5		SP			Black, very moist, f SAND, t. silt, t. c. sand and f. gravel		
		OH			Black, moist, organic CLAY, t. silt, t. f. sand		
6					EOB		
6.5							



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Date : 12/10/09
 Drilling Method : Direct push
 Sampling Method : 2" macrocore
 Driller : Arcadis
 Boring ID : 536-324

Survey ID : 536-324
 Northing Coord. : 791111.9
 Easting Coord. : 552387.1
 Elevation :
 Geologist : George Nemeth

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS
0		OH			Dk brown, moist, SILT with roots, t. peat, some wood (fibrous)		
.5		OH			Dk brown, moist, SILT, some fibers, roots, twigs, t. f. sand		
1					Black, very moist, f. sandy SILT		
1.5		ML					
2							
2.5		SM			Black, very moist, f. SAND, some silt		
3							
3.5		SP			Dk gray, very moist, m-f SAND, t. f. gravel, t. c. sand		
4		GP			Black, wet, f. GRAVEL, t.c.sand		
4.5		SP			Black, wet, m-f SAND, t. f. gravel		
		SP			lgt brown, wet, f SAND, t. silt		
5		ML			lgt brwon-brown, wet SILT, t. f. sand, t. clay		
		ML			Black-brown, wet, f. sandy SILT, t. leaves (organics)		
5.5							
		OH			Black, very moist, organic Silt and Clay		
6					EOB		
6.5							



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Date : 12/18/09
 Drilling Method : hand trowel
 Sampling Method : bag
 Driller : Arcadis
 Boring ID : 536-325

Survey ID : 536-325
 Northing Coord. : 791128.8
 Easting Coord. : 552184.8
 Elevation :
 Geologist : George Nemeth

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS
0		ML		1	Dk brown, moist, f-m sandy SILT, t. roots, t. c. sand, t. f. gravel	Hg	POM-S-536-325 (0.0-0.5') Collect MS/MSD/Duplicate as well
.5					EOB		
1							



LOG OF BORING 536-326 (step out of 280)

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Date : 12/18/09
 Drilling Method : hand trowel
 Sampling Method : bag
 Driller : Arcadis
 Boring ID : 536-326

Survey ID : 536-326
 Northing Coord. : 791089.6
 Easting Coord. : 552254.7
 Elevation :
 Geologist : George Nemeth

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS
0		OH		1	Black-dk brown, moist, SILT, t. f. sand, some roots	Pb	POM-S-536-326 (0.0-0.5')
.5					EOB		
1							



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Date : 12/22/09
 Drilling Method : hand trowel
 Sampling Method : bag
 Driller : Arcadis
 Boring ID : 536-327

Survey ID : 536-327
 Northing Coord. : 791083.2
 Easting Coord. : 552250.7
 Elevation :
 Geologist : George Nemeth

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS
0		OH			Dk brown, moist, SILT, some organics, t. f. sand		
.5					EOB		
1							



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Date : 12/22/09
 Drilling Method : hand trowel
 Sampling Method : bag
 Driller : Arcadis
 Boring ID : 536-328

Survey ID : 536-328
 Northing Coord. : 791181.0
 Easting Coord. : 552267.0
 Elevation :
 Geologist : George Nemeth

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS
0		ML		1	Brown, moist, f-m sandy SILT, t. organics, t. m. gravel	Pb	POM-S-536-328 (0.0-0.5')
.5					EOB		
1							



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Date : 12/18/09
 Drilling Method : Direct Push
 Sampling Method : 2" macrocore
 Driller : Arcadis
 Boring ID : 536-329

Survey ID : 536-329
 Northing Coord. : 791044.7
 Easting Coord. : 552246.7
 Elevation :
 Geologist : George Nemeth

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS
0					Black, moist, SILT (organic), t. leaves		
0.5		OH		1		Hg	POM-S-536-329 (0.0-0.5')
1					Dk brown, very moist, SILT, some f-m gravel, t. glass		
1.5		ML/GP					
2				2		Pb	POM-S-536-329 (2.0-2.5')
2.5					lght- dk brown, moist, m-f SAND, t. f-m gravel, t. silt, t,wood		
3		SP		3		Hg	POM-S-536-329 (3.0-3.5')
3.5					EOB		
4							
4.5							



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Date : 12/17/09
 Drilling Method : Vibracore
 Sampling Method : 3" macrocore
 Driller : Arcadis
 Boring ID : 536-330

Survey ID : 536-330
 Northing Coord. : 790999.9
 Easting Coord. : 552222.6
 Elevation :
 Geologist : George Nemeth

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS
0		PT		1	Black, wet, ORGANICS, leaves, twigs, some, silt	Hg	POM-S-536-330 (0.0-0.5')
0.5							
1		ML			Dk brown, wet, SILT, t. wood		
1.5							
2		SM		2	Lgt brown, wet, f. sandy SILT, t. clay	Pb	POM-S-536-330 (2.0-2.5') Collect MS/MSD/Duplicate as well
2.5							
3		SP			Red brown, wet, m-f SAND		
3.5							
4		SM			Dk brown, moist, f-m SAND, some silt		
4.5		SM			Dk brown, moist, f-m SAND, some silt		
5		OH			Black, moist, organic SILT, t. peat		
5.5		SM			Dk gray-black, f-m SAND, some silt		
6		SP			Black, moist, m-f SAND, t. f-m gravel		
6.5							
7					EOB		



DuPont Pompton Lakes Works
 Pompton Lakes, New Jersey 07442
 Delta Uplands RI
 Project No. 445507

Date : 12/22/09
 Drilling Method : Direct Push
 Sampling Method : 2" macrocore
 Driller : Arcadis
 Boring ID : 536-330

Survey ID : 536-330
 Northing Coord. : 790999.9
 Easting Coord. : 552222.6
 Elevation :
 Geologist : George Nemeth

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS	
0		OH		1	Dk brown, moist, SILT, t. f. sand, some organics	Pb	POM-S-536-330 (0.0-0.5')	
0.5		ML			Brown, moist, SILT, some f. sand, t. organics			
1		ML		2	Brown, moist, SILT, f-m sand, some gravel	Hg	POM-S-536-330 (1.0-1.5')	
1.5		ML			Brown, moist, SILT, some f-m sand, t. clay			
2		ML			Brown, moist, f-m sandy SILT, some f. gravel			
2.5		OH		3	Dk brown, very moist, peaty SILT, t. f. sand	Pb	POM-S-536-330 (2.0-2.5')	
3		SM			Dk brown, moist, m-c silty SAND			
3.5		ML			Dk brown, moist, SILT, t. clay			
4		ML			Dk brown, moist, SILT, some clay			
4.5		EOB						



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Date : 12/22/09
 Drilling Method : Direct Push
 Sampling Method : 2" macrocore
 Driller : Arcadis
 Boring ID : 536-331

Survey ID : 536-331
 Northing Coord. : 790980.8
 Easting Coord. : 552218.9
 Elevation :
 Geologist : George Nemeth

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS
0					Dk brown, moist, f-m sandy SILT, some organics		
0.5		ML/OH		1		Pb	POM-S-536-331 (0.0-0.5')
1					Brown, f-m-c sandy SILT, moist, f gravel, t. organics		
1.5		ML					
2				2		Pb	POM-S-536-331 (2.0-2.5')
2.5							
3		ML			Brown f-m-c sandy SILT, very moist, f. gravel		
3.5				3		Hg	POM-S-536-331 (3.0-3.5')
4		OH			Black, f-m sandy SILT, moist, peaty silt		
4.5					EOB		



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Date : 12/22/09
 Drilling Method : Vibracore
 Sampling Method : 3" macrocore
 Driller : Arcadis
 Boring ID : 536-332

Survey ID : 536-332
 Northing Coord. : 791054.4
 Easting Coord. : 552258.0
 Elevation :
 Geologist : George Nemeth

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS
0		OH			Black, moist, SILT, some organics		
0.5					Brown, moist, SILT, t. f. sand. some organics		
1		OH					
1.5							
2					Lgt brown, moist, f-m GRAVEL, c-m sand, some silt		
2.5		GM					
3							
3.5							
4					Dk brown, moist, f-m GRAVEL, c-m sand. some silt		
4.5		GM					
5				1			
5.5							
6		SM			Dk brown, moist f-m SAND, some silt	Hg	POM-S-536-332 (5.0-5.5')
6.5					EOB-Refusal at 6.0'		



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Date : 12/21/09
 Drilling Method : Direct Push
 Sampling Method : 2" macrocore
 Driller : Arcadis
 Boring ID : 536-333

Survey ID : 536-333
 Northing Coord. : 791138.7
 Easting Coord. : 552344.5
 Elevation :
 Geologist : George Nemeth

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS
0					Brown, slightly moist, f-c sandy SILT, t. f-m gravel		
.5							
1							
1.5		ML					
2							
2.5							
3					Brown, slightly moist, f-c sandy SILT, t. f. gravel, t. organics		
3.5							
4		ML					
4.5							
5							
5.0				1	Dk brown, f-c sandy SILT	Hg	POM-S-536-333 (5.0-5.5')
5.5		ML					
6					EOB		
6.5							
7							



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Date : 12/22/09
 Drilling Method : Direct Push
 Sampling Method : 2" macrocore
 Driller : Arcadis
 Boring ID : 536-334

Survey ID : 536-334
 Northing Coord. : 791126.1
 Easting Coord. : 552287.3
 Elevation :
 Geologist : George Nemeth

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS
0		OH			Dk brown, moist, rooty SILT, t. f-, sand, some wood		
.5		OH			Dk brown, moist, SILT, t. f-m sand, some organics, t. f. gravel		
1		OL			Dk brown, moist, peaty SILT, some f-m sand, t. f-m gravel		
1.5		ML			Brown, moist, sandy SILT, f-m-c sand		
2		ML		1	Lgt brown. f-m sandy SILT, t. f. gravel	Hg	POM-S-536-334 (1.5-2.0')
2.5					EOB		



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Date : 12/22/09
 Drilling Method : Direct Push
 Sampling Method : 2" macrocore
 Driller : Arcadis
 Boring ID : 536-335

Survey ID : 536-335
 Northing Coord. : 791137.3
 Easting Coord. : 552318.0
 Elevation :
 Geologist : George Nemeth

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS
0					Dk brown, moist, f-m-c sandy SILT, some organics		
0.5		OH					
1							
1.5		ML			Brown, moist, m. sandy SILT, t. f. gravel		
2				1		Hg	POM-S-536-335 (2.0-2.5')
2.5							
3		ML			Brown, moist, m. sandy SILT, some f. gravel		
3.5				2		Hg	POM-S-536-335 (3.0-3.5')
4					CONCRETE		
4.5					EOB		



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Date : 1/07/10
 Drilling Method : Vibracore
 Sampling Method : 3"macrocore
 Driller : Arcadis
 Boring ID : 536-336

Survey ID : 536-336
 Northing Coord. : 790968.52
 Easting Coord. : 552237.41
 Elevation :
 Geologist : George Nemeth

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS
0		PT		1	Leaf pile, moist, some wood, roots	Pb, Hg	POM-S-536-336 (0.0-0.5')
0.5		OH			Black, moist SILT with organics		
1		ML		Dk brown, moist, sandy SILT, t. organics			
1.5		SM			Dk brown, moist, silty SAND, some organics		
2		OH		2	Dk brown, moist, peaty SILT, t. f. sand	Hg	POM-S-536-336 (3.0-3.5')
2.5		SM			Dk brown, moist, silty f-m SAND		
3		PT			Dk brown, moist, PEAT		
3.5					EOB		
4							
4.5							



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Date : 1/08/10
 Drilling Method : Vibracore
 Sampling Method : 3" macrocore
 Driller : Arcadis
 Boring ID : 536-337

Survey ID : 536-337
 Northing Coord. : 790963.35
 Easting Coord. : 552236.49
 Elevation :
 Geologist : George Nemeth

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS	
0		PT			Black-dk brown, wet, ORGANICS (leaves, twigs, wood)			
0.5		GM			Black-dk gray, wet, Silt and f-m Gravel, some f-m sand			
1		GP			Black-gray, very moist, f-m GRAVEL, t. f-m sand, t. silt			
1.5		SP			Black-gray, very moist, m-f SAND, t. silt, t. f. gravel			
2		ML			Dk brown, moist, SILT, t. f. sand, t. clay			
2.5		OH			Lgt brown, moist, peaty SILT			
3		SP			Dk gray, moist, m-f SAND, t. silt,			
3.5		ML			Dk brown-black, moist, SILT, t. peat, t. fibers, t. f. sand			
4		EOB						
4.5								



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Date : 1/06/10
 Drilling Method : Direct Push
 Sampling Method : 2" macrocore
 Driller : Arcadis
 Boring ID : 536-338

Survey ID : 536-338
 Northing Coord. : 791006.1
 Easting Coord. : 552215.4
 Elevation :
 Geologist : George Nemeth

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS	
0		ML			Dk brown, moist, SILT, t. leaves, t. f. sand			
0.5		ML			Dk brown, moist, f. sandy SILT, some f-m gravel			
1		ML		1	Dk brown-lgt gray, moist, f-m sandy SILT, some f-m gravel	Hg	POM-S-536-338 (1.0-1.5')	
1.5		SM		2	Dk brown-lgt gray, moist, f-m SAND, some silt, t. f. gravel	Hg	POM-S-536-338 (2.0-2.5')	
2.5		ML			Dk brown, very moist, SILT, some, f-m sand, t. fibers			
3		OH			Dk brown, moist, organic SILT, t. f. sand			
3.5		EOB						
4								



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Date : 1/06/10
 Drilling Method : Direct Push
 Sampling Method : 2" macrocore
 Driller : Arcadis
 Boring ID : 536-338

Survey ID : 536-338
 Northing Coord. : 791009.4
 Easting Coord. : 552212.1
 Elevation :
 Geologist : George Nemeth

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS
0					Dk brown, moist, SILT, t. f. sand, t. wood, t. f. gravel		
.5		ML			Dk brown, moist, f. sandy SILT, t. f. gravel		
1		ML					
1.5					Dk brown, moist, f. sandy Silt and f-m Gravel		
2		GM					
2.5					Dk gray, moist, SILT, t. f. sand, t. f-m gravel		
3		ML					
3.5					EOB		
4							



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Date : 1/06/10
 Drilling Method : Direct Push
 Sampling Method : 2" macrocore
 Driller : Arcadis
 Boring ID : 536-340

Survey ID : 536-340
 Northing Coord. : 790975.8
 Easting Coord. : 552219.6
 Elevation :
 Geologist : George Nemeth

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS
0					Dk brown, moist, SILT, t. f. sand, t. organics		
0.5		ML					
1.0					Brown, moist, SILT, some f-m sand, some m. gravel		
1.5		GM					
2.0					Brown, wet, m-c SAND, some m-gravel		
2.5		SP					
3.0		ML			Dk brown, very moist, SILT, some f. sand, t. c. gravel		
3.5					EOB		



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Date : 1/06/10
 Drilling Method : Direct Push
 Sampling Method : 2" macrocore
 Driller : Arcadis
 Boring ID : 536-341

Survey ID : 536-341
 Northing Coord. : 790970.5
 Easting Coord. : 552219.1
 Elevation :
 Geologist : George Nemeth

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS
0		PT			Lgt brown, moist, LEAVES		
		ML			Dk brown, moist, SILT, t. f. sand, t. organics		
.5		ML			Brown, moist, SILT, t. f. sand, t. m. gravel		
		ML			Brown, moist, SILT, some f-m sand, t. gravel		
1		ML					
		ML			Dk brown, moist, SILT, t. f. sand, t. gravel		
1.5		SM			Brown, moist, m-c SAND, some silt, t. f-m gravel		
2		ML			Dk brown, moist, SILT, t. f. sand, t. clay		
		SM			Dk brown, moist, f SAND, some silt		
2.5		ML			Dk brown, moist, SILT, t. f. sand, t. clay		
3					EOB		
3.5							



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Date : 1/06/10
 Drilling Method : Direct Push
 Sampling Method : 3" macrocore
 Driller : Arcadis
 Boring ID : 536-342

Survey ID : 536-342
 Northing Coord. : 791058.5
 Easting Coord. : 552260.4
 Elevation :
 Geologist : George Nemeth

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS
0		OH			Black-dk brown, Organics and Silt, wet (wood, roots, twigs)		
0.5							
1		ML			Black, wet, SILT, mucky, t. wood, t. roots		
1.5							
2		OH			Black, very moist, organic SILT		
2.5		SP			Dk brown, very moist, f-c SAND, some f-m gravel, t. silt		
3		SP			Red/brown, very moist, f-c SAND, some f-m gravel, t. silt		
		SM			Lgt gray, very moist, Sand and Silt		
3.5		SM			Dk brown, very moist, f-m Sand and Silt, some m-c gravel		
4		SM			Lgt brown-red brown, very moist, f-m Sand and Silt, t. m-c gravel		
4.5		ML			Black, very moist, SILT, t. f. sand		
5					EOB		



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Date : 1/07/10
 Drilling Method : Direct Push
 Sampling Method : 3" macrocore
 Driller : Arcadis
 Boring ID : 536-343

Survey ID : 536-343
 Northing Coord. : 791064.0
 Easting Coord. : 552261.9
 Elevation :
 Geologist : George Nemeth

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS
0		PT			Dk leaf pile, wet		
0.5		OH			Dk brown, very wet, SILT with organics		
1.0				1			
1.5		SM			Dk brown, sandy SILT, very moist, f-c sand, t. f-m gravel, t. organics (3" gravel @ 2.0')	Hg	POM-S-536-343 (1.0-1.5') Collect MS/MSD/Duplicate as well
2.0				2			
2.5		SM			Brown, very moist, silty SAND, some f-m gravel, f-m-c sand	Hg	POM-S-536-343 (2.0-2.5')
3.0							
3.5		PT			Black, very moist, silty PEAT, t. f. sand		
4.0							
4.5					EOB		
5.0							



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Date : 1/06/10
 Drilling Method : Direct Push
 Sampling Method : 2" macrocore
 Driller : Arcadis
 Boring ID : 536-344

Survey ID : 536-344
 Northing Coord. : 791047.3
 Easting Coord. : 552242.7
 Elevation :
 Geologist : George Nemeth

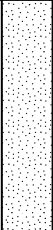
Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS
0					Dk brown, wet, Sil and Organics (leaves, twigs), t. f. gravel		
0.5		OH					
1.0				1	Dk brown, very moist, SILT, t. twigs, t. f. gravel	Hg	POM-S-536-344 (1.0-1.5')
1.5		ML					
2.0							
2.5		GM			Dk brown, very moist, Silt and f, Gravel, t. wood		
3.0					EOB		
3.5							



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Date : 1/06/10
 Drilling Method : Direct Push
 Sampling Method : 2" macrocore
 Driller : Arcadis
 Boring ID : 536-345

Survey ID : 536-345
 Northing Coord. : 791048.5
 Easting Coord. : 552238.3
 Elevation :
 Geologist : George Nemeth

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS
0					Dk brown-black, wet, Silt and Organics (peat, wood, twigs), t. glass		
0.5		OH					
1		OH			Dk brown, very wet, Silt and Organics, some gravel, t. glass		
1.5							
2		OH			Dk gray, very wet, Silt and Organics, some gravel, t. glass		
2.5		SP			Dk gray, wet, f-c SAND, t. f-m gravel, t. silt		
3					EOB		
3.5							



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Date : 1/6/10
 Drilling Method : hand trowel
 Sampling Method : bag
 Driller : Arcadis
 Boring ID : 536-346

Survey ID : 536-346
 Northing Coord. : 791169.9
 Easting Coord. : 552283.02
 Elevation :
 Geologist : George Nemeth

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS
0		OH			Dk brown, moist, SILT, t. f. sand, some roots		
.5					EOB		
1							



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 Project No. 445507

Date : 5/14/10
 Drilling Method : Hand auger
 Sampling Method : bag
 Driller : Arcadis
 Boring ID : 536-347

Survey ID : 536-347
 Northing Coord. : 791098.0
 Easting Coord. : 552275.7
 Elevation :
 Geologist : Ronald Kuhn

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS
0		ML		1	Dk black SILT, little organics (roots/vegetation)	Se	POM-S-536-347 (0.0-0.5')
.5					EOB		
1							



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Date : 5/14/10
 Drilling Method : Hand auger
 Sampling Method : bag
 Driller : Arcadis
 Boring ID : 536-348

Survey ID : 536-348
 Northing Coord. : 791132.2
 Easting Coord. : 552331.9
 Elevation :
 Geologist : Ronald Kuhn

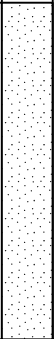
Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS
0		SW		1	Dk brown fine SAND, little silt, trace f-m gravel, trace organics (roots)	Se	POM-S-536-348 (0.0-0.5')
.5					EOB		
1							



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Date : 5/25/10
 Drilling Method : gas powered auger
 Sampling Method : bag
 Driller : Arcadis
 Boring ID : 536-349

Survey ID : 536-349
 Northing Coord. : 791179.1
 Easting Coord. : 552275.0
 Elevation :
 Geologist : Ronald Kuhn

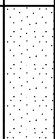
Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS
0							
.5							
1		SW		1	Brown fine SAND, trace m-c sand, trace f-m gravel, trace silt	Pb	POM-S-536-349 (1.0-1.5')
1.5					EOB		
2							



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Date : 5/25/10
 Drilling Method : gas powered auger
 Sampling Method : bag
 Driller : Arcadis
 Boring ID : 536-350

Survey ID : 536-350
 Northing Coord. : 791169.0
 Easting Coord. : 552301.0
 Elevation :
 Geologist : Ronald Kuhn

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS
0							
.5							
1							
1.5							
2							
2.5							
3							
3.5							
4		SW		1	Brown fine SAND, trace m-c sand, trace organics (roots)	Pb	POM-S-536-350 (4.0-4.5')
4.5					EOB		
5							



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Date : 5/25/10
 Drilling Method : gas powered auger
 Sampling Method : bag
 Driller : Arcadis
 Boring ID : 536-351

Survey ID : 536-351
 Northing Coord. : 791169.6
 Easting Coord. : 552294.1
 Elevation :
 Geologist : Ronald Kuhn

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS
0							
.5							
1							
1.5							
2							
2.5							
3		SW		1	Brown fine SAND, trace f-m gravel	Pb	POM-S-536-351 (3.0-3.5')
3.5							



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Date : 5/25/10
 Drilling Method : hand auger
 Sampling Method : bag
 Driller : Arcadis
 Boring ID : 536-356

Survey ID : 536-356
 Northing Coord. : 791244.7
 Easting Coord. : 552462.2
 Elevation :
 Geologist : Ronald Kuhn

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	Samples	DESCRIPTION	Analysis	REMARKS
0							
0.5							
1							
1.5							
2							
2.5							
3							
3.5							
4							
4.5							
5							
5.5		SM			Brown silty f-m SAND, trace coarse sand, trace f-c gravel		
6				1		Pb, Hg	POM-S-536-356 (6.0-6.5')
6.5		ML		2	Dk brown SILT, trace clay, trace f. sand. trace organics (vegetation), trace c. gravel	Pb, Hg	POM-S-536-356 (6.5-7.0)
7					EOB		
7.5							

APPENDIX D

Memorandum

DATE: FEBRUARY 5, 2010

TO: GEORGE NEMETH

MAR VETTER

FROM: Dyana C. Saggess

RE: DELTA UPLANDS 11/30/09

Enclosed is the data report for solid samples collected 12/1-4/09. The samples were submitted to Lancaster Laboratories, Lancaster PA for the analyses listed below (not all analyses were scheduled for all samples- refer to the attached custody forms). All samples were received at the laboratory and analyzed within the recommended EPA holding times.

ANALYSIS	METHOD
Lead, Selenium	SW 846 6010B
Mercury	SW-846 7471A/ 7470A
Moisture (percent)	SM20 2540G

The electronic data submitted for this sampling event was reviewed via the DuPont Data Review (DDR) process. No significant QC exceptions were noted during the review. Some of the data has been qualified due to detections between the method detection limit and practical quantitation limit.

Some of the sample ids have a "D" in them. They are, POM-S-536-6D(0.5-1.0), -536-25D(0.0-0.5) and -536-50D This is to define cores that were written on cores that were sampling for an additional round for either horizontal step out delineation or further depth delineation.

If the initial core location met the screening criteria, it had the core number only. If it was found to be above criteria it was recollected by macrocore at the same location and labeled with a "D". If the sample was still found to still be above criteria, the field team went back to the same location and macrocored deeper, and it was labeled D2.

Some of the samples were collected over a two day period, POM-S-536-275(1.5-2.0) on 12/1/09. POM-S-536-275(0.0-0.5) on 12/2/09 and POM-S-536-276(0.0-0.5) on 12/1/09 , POM-S-276(1.5-2.0) on 12/4/09. For some of the spots the field team didn't realize that they needed more than one sample depth to be collected based on location. These additional samples were collected to provide us with all the intervals for that location.

Please do not hesitate to contact me if you have any questions regarding this report.

DuPont In-House Review (DDR)

The DDR is an automated internal review process used by the ADQM group to determine if the data is usable. The data is run through this automated program where a series of checks are performed on the data. The data is evaluated against hold time criteria, checked for blank contamination, assessed against matrix spike(MS)/matrix spike duplicate (MSD) recoveries, assessed against relative percent differences (RPDs) between these samples, assessed against laboratory control sample(LCS)/control sample duplicate (LCSD) recoveries, assessed against RPDs between these samples, assessed against RPDs between laboratory replicates, and assessed against surrogate spike recoveries. The DDR applies the following data qualifiers to analysis results, as warranted:

Qualifier	Definition
B	Not detected substantially above the level reported in the laboratory or field blanks.
R	Unusable result. Analyte may or may not be present in the sample.
J	Analyte present. Reported value may not be accurate or precise.
UJ	Not detected. Reporting limit may not be accurate or precise.

Laboratory Qualifiers

The laboratory may have applied one or more of the following data qualifiers to analysis results, as warranted:

DIL	The concentration is estimated or not reported due to dilution or to the presence of interfering analytes.
NC	The recovery and or RPD were not calculated.
J	Estimated value; result falls between method detection limit (mdl) and practical quantitation limit (pql).
U	Analyte was not detected at the specified reporting limit
B	Analyte concentration is not significantly greater than that detected in an associated method blank.

J	Estimated value; result falls between method detection limit (mdl) and practical quantitation limit (pql).
*	Surrogate recovery is outside stated control limits.
J	Method blank contamination. The associated method blank contains the target analyte at a reportable level.
B	Estimated result. Result is less than reporting limit (RL)
Q	Elevated reporting limit. The reporting limit is elevated because sample dilution was required to bring target compounds within calibration range of the analytical system.
G	Elevated reporting limit. The reporting limit is elevated because sample dilution was required for analysis due to matrix interference.

These lab qualifiers are applied independent of DuPont In-House Data Review (DDR) qualifiers.

**DUPONT POMPTON LAKES WORKS
DELTA UPLANDS 11/30/09**

Pompton Lakes, NJ

February 5, 2010

Prepared for

George Nemeth, URS Diamond

Prepared by

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**Corporate Environmental Database
DDR Narrative Report**

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Reporting Limit: MDL

DDR Standards LABSTATS

The reported result is greater than/equal to the MDL and less than the PQL; it should be considered an estimated value.

Sample ID	Date Sampled	Lab ID	Analyte	Result	Units	MDL	PQL	Qual	Analytical Methods		
									Analysis	Preprep-	Prep-
POM-S-536-274(1.5-2.0)	12/3/2009	5856176-HG FS	MERCURY	0.0510	MG/K	0.0129	0.112	J	7471A		7471A MOD.
POM-S-536-276(1.5-2.0)	12/4/2009	5856177-HG FS	MERCURY	0.0148	MG/K	0.0134	0.117	J	7471A		7471A MOD.
POM-S-536-279(0.0-0.5)	12/1/2009	5854104-SE FS	SELENIUM	7.68	MG/K	4.71	9.61	J	6010B		3050B
POM-S-536-297(1.0-1.5)	12/2/2009	5854110-HG FS	MERCURY	0.0639	MG/K	0.0126	0.109	J	7471A		7471A MOD.

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Reporting Limit: MDL

Analyte/Parameter	Result	Qualifiers		Unit	Detection Limit		Analytical Methods		
		LAB	DDR		MDL	PQL	Analysis	Preprep-	Prep-
Sampling Point: 536-6D Date sampled: Dec 01, 2009		Sampleno:	POM-S-536-6D(0.5-1.0)						
		Sample type:	Soil						
LEAD	272			MG/KG	0.956	2.39	6010B		3050B
MOISTURE	38.5			%	0.50	0.50	SM 2540 G		
Sampling Point: 536-235 Date sampled: Dec 03, 2009		Sampleno:	POM-S-536-235(0.0-0.5)						
		Sample type:	Soil						
LEAD	234			MG/KG	0.758	1.89	6010B		3050A
MOISTURE	20.8			%	0.50	0.50	SM 2540 G		
Sampling Point: 536-237 Date sampled: Dec 02, 2009		Sampleno:	POM-S-536-237(0.0-0.5)						
		Sample type:	Soil						
LEAD	212			MG/KG	0.680	1.70	6010B		3050B
MOISTURE	15.1			%	0.50	0.50	SM 2540 G		
Sampling Point: 536-25D Date sampled: Dec 03, 2009		Sampleno:	POM-S-536-25D(0.0-0.5)						
		Sample type:	Soil						
LEAD	99.0			MG/KG	0.697	1.74	6010B		3050A
MOISTURE	14.8			%	0.50	0.50	SM 2540 G		
Sampling Point: 536-262 Date sampled: Dec 03, 2009		Sampleno:	POM-S-536-262(0.0-0.5)						
		Sample type:	Soil						
MERCURY	7.17			MG/KG	0.267	2.33	7471A		7471A MOD.
MOISTURE	19.4			%	0.50	0.50	SM 2540 G		
Sampling Point: 536-264 Date sampled: Dec 03, 2009		Sampleno:	POM-S-536-264(0.0-0.5)						
		Sample type:	Soil						
MERCURY	11.8			MG/KG	0.315	2.74	7471A		7471A MOD.
MOISTURE	29.0			%	0.50	0.50	SM 2540 G		
Sampling Point: 536-265 Date sampled: Dec 03, 2009		Sampleno:	POM-S-536-265(0.0-0.5)						
		Sample type:	Soil						
MERCURY	3.23			MG/KG	0.142	1.24	7471A		7471A MOD.
MOISTURE	20.3			%	0.50	0.50	SM 2540 G		
Sampling Point: 536-273 Date sampled: Dec 03, 2009		Sampleno:	POM-S-536-273(0.0-0.5)						
		Sample type:	Soil						
MERCURY	3.51			MG/KG	0.137	1.20	7471A		7471A MOD.
MOISTURE	19.0			%	0.50	0.50	SM 2540 G		
Sampling Point: 536-273 Date sampled: Dec 03, 2009		Sampleno:	POM-S-536-273(1.5-2.0)						
		Sample type:	Soil						
MERCURY	2.83			MG/KG	0.123	1.08	7471A		7471A MOD.

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Analyte/Parameter	Result	Qualifiers		Unit	Detection Limit		Analytical Methods		
		LAB	DDR		MDL	PQL	Analysis	Preprep-	Prep-
Sampling Point: 536-273 Date sampled: Dec 03, 2009		Sampleno: POM-S-536-273(1.5-2.0) Sample type: Soil							
MOISTURE	8.7			%	0.50	0.50	SM 2540 G		
Sampling Point: 536-275 Date sampled: Dec 01, 2009		Sampleno: POM-S-536-275(1.5-2.0) Sample type: Soil							
LEAD	424			MG/KG	0.839	2.10	6010B		3050B
MOISTURE	29.2			%	0.50	0.50	SM 2540 G		
Sampling Point: 536-286 Date sampled: Dec 04, 2009		Sampleno: POM-S-536-286(1.0-1.5) Sample type: Soil							
LEAD	77.6			MG/KG	0.660	1.65	6010B		3050A
MOISTURE	11.7			%	0.50	0.50	SM 2540 G		
Sampling Point: 536-286 Date sampled: Dec 04, 2009		Sampleno: POM-S-536-286(3.0-3.5) Sample type: Soil							
LEAD	131			MG/KG	1.49	3.72	6010B		3050A
MOISTURE	60.9			%	0.50	0.50	SM 2540 G		
Sampling Point: 536-287 Date sampled: Dec 04, 2009		Sampleno: POM-S-536-287(2.0-2.5) Sample type: Soil							
LEAD	301			MG/KG	0.820	2.05	6010B		3050A
MOISTURE	28.3			%	0.50	0.50	SM 2540 G		
Sampling Point: 536-287 Date sampled: Dec 04, 2009		Sampleno: POM-S-536-287(3.0-3.5) Sample type: Soil							
LEAD	166			MG/KG	1.39	3.49	6010B		3050A
MOISTURE	57.4			%	0.50	0.50	SM 2540 G		
Sampling Point: 536-290 Date sampled: Dec 02, 2009		Sampleno: POM-S-536-290(3.0-3.5) Sample type: Soil							
LEAD	235			MG/KG	0.910	2.27	6010B		3050B
MOISTURE	34.7			%	0.50	0.50	SM 2540 G		
Sampling Point: 536-291 Date sampled: Dec 03, 2009		Sampleno: POM-S-536-291(1.0-1.5) Sample type: Soil							
LEAD	189			MG/KG	0.870	2.18	6010B		3050A
MOISTURE	32.4			%	0.50	0.50	SM 2540 G		
Sampling Point: 536-296 Date sampled: Dec 02, 2009		Sampleno: POM-S-536-296(3.0-3.5) Sample type: Soil							
LEAD	324			MG/KG	1.34	3.36	6010B		3050B
MOISTURE	56.6			%	0.50	0.50	SM 2540 G		

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Analyte/Parameter	Result	Qualifiers		Unit	Detection Limit		Analytical Methods		
		LAB	DDR		MDL	PQL	Analysis	Preprep-	Prep-
Sampling Point: 536-299 Date sampled: Dec 04, 2009				Sampleno: POM-S-536-299(0.0-0.5) Sample type: Soil					
MOISTURE	29.2			%	0.50	0.50	SM 2540 G		
SELENIUM	5.51			MG/KG	1.34	2.74	6010B		3050A
Sampling Point: 536-299 Date sampled: Dec 04, 2009				Sampleno: POM-S-536-299(0.0-0.5)-DUP Sample type: Soil					
MOISTURE	25.8			%	0.50	0.50	SM 2540 G		
SELENIUM	4.87			MG/KG	1.31	2.67	6010B		3050A
Sampling Point: 536-50D Date sampled: Dec 04, 2009				Sampleno: POM-S-536-50D(0.5-1.0) Sample type: Soil					
MERCURY	0.458			MG/KG	0.0128	0.111	7471A		7471A MOD.
MOISTURE	12.2			%	0.50	0.50	SM 2540 G		
Sampling Point: 536-274 Date sampled: Dec 03, 2009				Sampleno: POM-S-536-274(1.5-2.0) Sample type: Soil					
LEAD	5.13			MG/KG	0.692	1.73	6010B		3050A
MERCURY	0.0510	J	J	MG/KG	0.0129	0.112	7471A		7471A MOD.
MOISTURE	13.3			%	0.50	0.50	SM 2540 G		
Sampling Point: 536-276 Date sampled: Dec 04, 2009				Sampleno: POM-S-536-276(1.5-2.0) Sample type: Soil					
LEAD	3.55			MG/KG	0.712	1.78	6010B		3050A
MERCURY	0.0148	J	J	MG/KG	0.0134	0.117	7471A		7471A MOD.
MOISTURE	16.6			%	0.50	0.50	SM 2540 G		
Sampling Point: 536-278 Date sampled: Dec 01, 2009				Sampleno: POM-S-536-278(0.0-0.5) Sample type: Soil					
LEAD	126			MG/KG	1.06	2.66	6010B		3050B
MOISTURE	44.1			%	0.50	0.50	SM 2540 G		
SELENIUM	4.23			MG/KG	1.74	3.54	6010B		3050B
Sampling Point: 536-279 Date sampled: Dec 01, 2009				Sampleno: POM-S-536-279(0.0-0.5) Sample type: Soil					
LEAD	324			MG/KG	2.88	7.21	6010B		3050B
MOISTURE	79.8			%	0.50	0.50	SM 2540 G		
SELENIUM	7.68	J	J	MG/KG	4.71	9.61	6010B		3050B
Sampling Point: 536-287 Date sampled: Dec 04, 2009				Sampleno: POM-S-536-287(1.0-1.5) Sample type: Soil					
LEAD	91.1			MG/KG	0.661	1.65	6010B		3050A
MERCURY	5.35			MG/KG	0.131	1.14	7471A		7471A MOD.
MOISTURE	13.5			%	0.50	0.50	SM 2540 G		
Sampling Point: 536-297 Date sampled: Dec 02, 2009				Sampleno: POM-S-536-297(1.0-1.5) Sample type: Soil					
LEAD	8.79			MG/KG	0.676	1.69	6010B		3050B
MERCURY	0.0639	J	J	MG/KG	0.0126	0.109	7471A		7471A MOD.

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Analyte/Parameter	Result	Qualifiers		Unit	Detection Limit		Analytical Methods		
		LAB	DDR		MDL	PQL	Analysis	Preprep-	Prep-
Sampling Point: 536-297		Sampleno:	POM-S-536-297(1.0-1.5)						
Date sampled: Dec 02, 2009		Sample type:	Soil						
MOISTURE	14.7			%	0.50	0.50	SM 2540 G		
Sampling Point: 536-297		Sampleno:	POM-S-536-297(1.0-1.5)-DUP						
Date sampled: Dec 02, 2009		Sample type:	Soil						
LEAD	4.96			MG/KG	0.750	1.88	6010B		3050B
MERCURY	0.187			MG/KG	0.0136	0.118	7471A		7471A MOD.
MOISTURE	20.0			%	0.50	0.50	SM 2540 G		
Sampling Point: 536-300		Sampleno:	POM-S-536-300(0.0-0.5)						
Date sampled: Dec 01, 2009		Sample type:	Soil						
LEAD	165			MG/KG	1.67	4.18	6010B		3050B
MOISTURE	64.5			%	0.50	0.50	SM 2540 G		
SELENIUM	10.0			MG/KG	2.73	5.58	6010B		3050B
Sampling Point: 536-275		Sampleno:	POM-S-536-275(0.0-0.5)						
Date sampled: Dec 02, 2009		Sample type:	Soil						
LEAD	302			MG/KG	5.24	13.1	6010B		3050B
MERCURY	22.9			MG/KG	1.00	8.71	7471A		7471A MOD.
MOISTURE	44.4			%	0.50	0.50	SM 2540 G		
SELENIUM	12.8			MG/KG	1.71	3.49	6010B		3050B
Sampling Point: 536-276		Sampleno:	POM-S-536-276(0.0-0.5)						
Date sampled: Dec 01, 2009		Sample type:	Soil						
LEAD	50.5			MG/KG	0.750	1.88	6010B		3050B
MERCURY	5.09			MG/KG	0.137	1.19	7471A		7471A MOD.
MOISTURE	20.0			%	0.50	0.50	SM 2540 G		
SELENIUM	3.64			MG/KG	1.23	2.50	6010B		3050B

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Reporting Limit: MDL

Location: 536-EQBLK1

Field Sample ID: POM-K-536-EQBLK1

Date Sampled: 12/1/2009 16:45:00

Sample Type: Blank Water

Lab Sample ID: 5854118-HG EB

Analyte/Parameter	Result	Qualifiers		Unit	Detection Limit		Analysis Date	Analytical Methods			
		LAB	DDR		Dil.	PQL		MDL	Analysis-	Prep-	Preprep-
Analytes											
MERCURY	< 0.000056	U		MG/L	1	0.00020	0.000056	12/08/09	7470A	METHOD	
LEAD	< 0.0069	U		MG/L	1	0.0150	0.0069	12/14/09	6010B	3010A	
SELENIUM	< 0.0089	U		MG/L	1	0.0200	0.0089	12/07/09	6010B	3010A	

Location: 536-EQBLK2

Field Sample ID: POM-K-536-EQBLK2

Date Sampled: 12/2/2009 16:25:00

Sample Type: Blank Water

Lab Sample ID: 5854119-HG EB

Analyte/Parameter	Result	Qualifiers		Unit	Detection Limit		Analysis Date	Analytical Methods			
		LAB	DDR		Dil.	PQL		MDL	Analysis-	Prep-	Preprep-
Analytes											
MERCURY	< 0.000056	U		MG/L	1	0.00020	0.000056	12/08/09	7470A	METHOD	
LEAD	< 0.0069	U		MG/L	1	0.0150	0.0069	12/14/09	6010B	3010A	
SELENIUM	< 0.0089	U		MG/L	1	0.0200	0.0089	12/08/09	6010B	3010A	

Location: 536-278

Field Sample ID: POM-S-536-278(0.0-0.5)

Date Sampled: 12/1/2009 14:23:00

Sample Type: Soil

Lab Sample ID: 5854103-MOIST FS

Analyte/Parameter	Result	Qualifiers		Unit	Detection Limit		Analysis Date	Analytical Methods			
		LAB	DDR		Dil.	PQL		MDL	Analysis-	Prep-	Preprep-
Analytes											
MOISTURE	44.1			%	1	0.50	0.50	12/04/09	SM 2540 G		
LEAD	126			MG/KG	1	2.66	1.06	12/17/09	6010B	3050B	
SELENIUM	4.23			MG/KG	1	3.54	1.74	12/13/09	6010B	3050B	

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Location: 536-279

Field Sample ID: POM-S-536-279(0.0-0.5)

Date Sampled: 12/1/2009 14:44:00

Sample Type: Soil

Lab Sample ID: 5854104-MOIST FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MOISTURE	79.8			%	1	0.50	0.50	12/04/09	SM 2540 G		
LEAD	324			MG/KG	1	7.21	2.88	12/17/09	6010B	3050B	
SELENIUM	7.68	J	J	MG/KG	1	9.61	4.71	12/13/09	6010B	3050B	

Location: 536-300

Field Sample ID: POM-S-536-300(0.0-0.5)

Date Sampled: 12/1/2009 15:13:00

Sample Type: Soil

Lab Sample ID: 5854105-MOIST FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MOISTURE	64.5			%	1	0.50	0.50	12/04/09	SM 2540 G		
LEAD	165			MG/KG	1	4.18	1.67	12/17/09	6010B	3050B	
SELENIUM	10.0			MG/KG	1	5.58	2.73	12/13/09	6010B	3050B	

Location: 536-6D

Field Sample ID: POM-S-536-6D(0.5-1.0)

Date Sampled: 12/1/2009 15:35:00

Sample Type: Soil

Lab Sample ID: 5854106-MOIST FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MOISTURE	38.5			%	1	0.50	0.50	12/04/09	SM 2540 G		
LEAD	272			MG/KG	1	2.39	0.956	12/17/09	6010B	3050B	

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Reporting Limit: MDL

Location: 536-275

Field Sample ID: POM-S-536-275(1.5-2.0)

Date Sampled: 12/1/2009 16:39:00

Sample Type: Soil

Lab Sample ID: 5854107-MOIST FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MOISTURE	29.2			%	1	0.50	0.50	12/04/09	SM 2540 G		
LEAD	424			MG/KG	1	2.10	0.839	12/17/09	6010B	3050B	

Location: 536-276

Field Sample ID: POM-S-536-276(0.0-0.5)

Date Sampled: 12/1/2009 16:55:00

Sample Type: Soil

Lab Sample ID: 5854108-HG FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MERCURY	5.09			MG/KG	10	1.19	0.137	12/08/09	7471A	7471A MOD.	
MOISTURE	20.0			%	1	0.50	0.50	12/04/09	SM 2540 G		
LEAD	50.5			MG/KG	1	1.88	0.750	12/17/09	6010B	3050B	
SELENIUM	3.64			MG/KG	1	2.50	1.23	12/13/09	6010B	3050B	

Location: 536-290

Field Sample ID: POM-S-536-290(3.0-3.5)

Date Sampled: 12/2/2009 10:40:00

Sample Type: Soil

Lab Sample ID: 5854109-MOIST FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MOISTURE	34.7			%	1	0.50	0.50	12/04/09	SM 2540 G		
LEAD	235			MG/KG	1	2.27	0.910	12/17/09	6010B	3050B	

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Reporting Limit: MDL

Location: 536-297

Field Sample ID: POM-S-536-297(1.0-1.5)

Date Sampled: 12/2/2009 11:42:00

Sample Type: Soil

Lab Sample ID: 5854110-HG FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MERCURY	0.0639	J	J	MG/KG	1	0.109	0.0126	12/08/09	7471A		7471A MOD.
MOISTURE	14.7			%	1	0.50	0.50	12/04/09	SM 2540 G		
LEAD	8.79			MG/KG	1	1.69	0.676	12/17/09	6010B		3050B

Location: 536-297

Field Sample ID: POM-S-536-297(1.0-1.5)-DUP

Date Sampled: 12/2/2009 11:42:00

Sample Type: Soil

Lab Sample ID: 5854111-HG FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MERCURY	0.187			MG/KG	1	0.118	0.0136	12/08/09	7471A		7471A MOD.
MOISTURE	20.0			%	1	0.50	0.50	12/04/09	SM 2540 G		
LEAD	4.96			MG/KG	1	1.88	0.750	12/17/09	6010B		3050B

Location: 536-296

Field Sample ID: POM-S-536-296(3.0-3.5)

Date Sampled: 12/2/2009 14:46:00

Sample Type: Soil

Lab Sample ID: 5854112-MOIST FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MOISTURE	56.6			%	1	0.50	0.50	12/04/09	SM 2540 G		
LEAD	324			MG/KG	1	3.36	1.34	12/17/09	6010B		3050B

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Location: 536-237

Field Sample ID: POM-S-536-237(0.0-0.5)

Date Sampled: 12/2/2009 13:49:00

Sample Type: Soil

Lab Sample ID: 5854113-MOIST FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MOISTURE	15.1			%	1	0.50	0.50	12/04/09	SM 2540 G		
LEAD	212			MG/KG	1	1.70	0.680	12/17/09	6010B	3050B	

Location: 536-275

Field Sample ID: POM-S-536-275(0.0-0.5)

Date Sampled: 12/2/2009 16:17:00

Sample Type: Soil

Lab Sample ID: 5854114-HG FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MERCURY	22.9			MG/KG	50	8.71	1.00	12/08/09	7471A	7471A MOD.	
MOISTURE	44.4			%	1	0.50	0.50	12/04/09	SM 2540 G		
LEAD	302			MG/KG	5	13.1	5.24	12/17/09	6010B	3050B	
SELENIUM	12.8			MG/KG	1	3.49	1.71	12/13/09	6010B	3050B	

Location: 536-EQBLK3

Field Sample ID: POM-K-536-EQBLK3

Date Sampled: 12/3/2009 16:20:00

Sample Type: Blank Water

Lab Sample ID: 5856186-HG EB

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MERCURY	< 0.000056	U		MG/L	1	0.00020	0.000056	12/09/09	7470A	METHOD	
LEAD	< 0.0069	U		MG/L	1	0.0150	0.0069	12/15/09	6010B	3010A	
SELENIUM	< 0.0089	U		MG/L	1	0.0200	0.0089	12/15/09	6010B	3010A	

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Location: 536-EQBLK4

Field Sample ID: POM-K-536-EQBLK4

Date Sampled: 12/4/2009 14:00:00

Sample Type: Blank Water

Lab Sample ID: 5856187-HG EB

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MERCURY	< 0.000056	U		MG/L	1	0.00020	0.000056	12/09/09	7470A	METHOD	
LEAD	< 0.0069	U		MG/L	1	0.0150	0.0069	12/15/09	6010B	3010A	
SELENIUM	< 0.0089	U		MG/L	1	0.0200	0.0089	12/15/09	6010B	3010A	

Location: 536-25D

Field Sample ID: POM-S-536-25D(0.0-0.5)

Date Sampled: 12/3/2009 10:12:00

Sample Type: Soil

Lab Sample ID: 5856168-MOIST FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MOISTURE	14.8			%	1	0.50	0.50	12/09/09	SM 2540 G		
LEAD	99.0			MG/KG	1	1.74	0.697	12/14/09	6010B	3050A	

Location: 536-235

Field Sample ID: POM-S-536-235(0.0-0.5)

Date Sampled: 12/3/2009 10:37:00

Sample Type: Soil

Lab Sample ID: 5856169-MOIST FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MOISTURE	20.8			%	1	0.50	0.50	12/09/09	SM 2540 G		
LEAD	234			MG/KG	1	1.89	0.758	12/14/09	6010B	3050A	

Location: 536-265

Field Sample ID: POM-S-536-265(0.0-0.5)

Date Sampled: 12/3/2009 13:18:00

Sample Type: Soil

Lab Sample ID: 5856170-HG FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MERCURY	3.23			MG/KG	10	1.24	0.142	12/15/09	7471A	7471A MOD.	
MOISTURE	20.3			%	1	0.50	0.50	12/09/09	SM 2540 G		

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Location: 536-262

Field Sample ID: POM-S-536-262(0.0-0.5)

Date Sampled: 12/3/2009 13:15:00

Sample Type: Soil

Lab Sample ID: 5856171-HG FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MERCURY	7.17			MG/KG	20	2.33	0.267	12/15/09	7471A		7471A MOD.
MOISTURE	19.4			%	1	0.50	0.50	12/09/09	SM 2540 G		

Location: 536-264

Field Sample ID: POM-S-536-264(0.0-0.5)

Date Sampled: 12/3/2009 13:40:00

Sample Type: Soil

Lab Sample ID: 5856172-HG FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MERCURY	11.8			MG/KG	20	2.74	0.315	12/15/09	7471A		7471A MOD.
MOISTURE	29.0			%	1	0.50	0.50	12/09/09	SM 2540 G		

Location: 536-291

Field Sample ID: POM-S-536-291(1.0-1.5)

Date Sampled: 12/3/2009 15:24:00

Sample Type: Soil

Lab Sample ID: 5856173-MOIST FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MOISTURE	32.4			%	1	0.50	0.50	12/09/09	SM 2540 G		
LEAD	189			MG/KG	1	2.18	0.870	12/14/09	6010B		3050A

Location: 536-273

Field Sample ID: POM-S-536-273(1.5-2.0)

Date Sampled: 12/3/2009 15:50:00

Sample Type: Soil

Lab Sample ID: 5856174-HG FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MERCURY	2.83			MG/KG	10	1.08	0.123	12/15/09	7471A		7471A MOD.
MOISTURE	8.7			%	1	0.50	0.50	12/09/09	SM 2540 G		

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Location: 536-273

Field Sample ID: POM-S-536-273(0.0-0.5)

Date Sampled: 12/3/2009 15:45:00

Sample Type: Soil

Lab Sample ID: 5856175-HG FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MERCURY	3.51			MG/KG	10	1.20	0.137	12/15/09	7471A		7471A MOD.
MOISTURE	19.0			%	1	0.50	0.50	12/09/09	SM 2540 G		
SELENIUM	< 1.17	U		MG/KG	1	2.40	1.17	12/14/09	6010B		3050A

Location: 536-274

Field Sample ID: POM-S-536-274(1.5-2.0)

Date Sampled: 12/3/2009 16:12:00

Sample Type: Soil

Lab Sample ID: 5856176-HG FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MERCURY	0.0510	J	J	MG/KG	1	0.112	0.0129	12/15/09	7471A		7471A MOD.
MOISTURE	13.3			%	1	0.50	0.50	12/09/09	SM 2540 G		
LEAD	5.13			MG/KG	1	1.73	0.692	12/31/09	6010B		3050A

Location: 536-276

Field Sample ID: POM-S-536-276(1.5-2.0)

Date Sampled: 12/4/2009 08:50:00

Sample Type: Soil

Lab Sample ID: 5856177-HG FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MERCURY	0.0148	J	J	MG/KG	1	0.117	0.0134	12/15/09	7471A		7471A MOD.
MOISTURE	16.6			%	1	0.50	0.50	12/09/09	SM 2540 G		
LEAD	3.55			MG/KG	1	1.78	0.712	12/14/09	6010B		3050A

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Location: 536-286

Field Sample ID: POM-S-536-286(1.0-1.5)

Date Sampled: 12/4/2009 09:34:00

Sample Type: Soil

Lab Sample ID: 5856178-MOIST FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MOISTURE	11.7			%	1	0.50	0.50	12/09/09	SM 2540 G		
LEAD	77.6			MG/KG	1	1.65	0.660	12/14/09	6010B	3050A	

Location: 536-286

Field Sample ID: POM-S-536-286(3.0-3.5)

Date Sampled: 12/4/2009 09:40:00

Sample Type: Soil

Lab Sample ID: 5856179-MOIST FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MOISTURE	60.9			%	1	0.50	0.50	12/09/09	SM 2540 G		
LEAD	131			MG/KG	1	3.72	1.49	12/15/09	6010B	3050A	

Location: 536-299

Field Sample ID: POM-S-536-299(0.0-0.5)

Date Sampled: 12/4/2009 10:42:00

Sample Type: Soil

Lab Sample ID: 5856180-MOIST FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MOISTURE	29.2			%	1	0.50	0.50	12/09/09	SM 2540 G		
SELENIUM	5.51			MG/KG	1	2.74	1.34	12/15/09	6010B	3050A	

Location: 536-299

Field Sample ID: POM-S-536-299(0.0-0.5)-DUP

Date Sampled: 12/4/2009 10:42:00

Sample Type: Soil

Lab Sample ID: 5856181-MOIST FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MOISTURE	25.8			%	1	0.50	0.50	12/09/09	SM 2540 G		
SELENIUM	4.87			MG/KG	1	2.67	1.31	12/15/09	6010B	3050A	

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Location: 536-50D

Field Sample ID: POM-S-536-50D(0.5-1.0)

Date Sampled: 12/4/2009 11:20:00

Sample Type: Soil

Lab Sample ID: 5856182-HG FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MERCURY	0.458			MG/KG	1	0.111	0.0128	12/15/09	7471A		7471A MOD.
MOISTURE	12.2			%	1	0.50	0.50	12/09/09	SM 2540 G		

Location: 536-287

Field Sample ID: POM-S-536-287(1.0-1.5)

Date Sampled: 12/4/2009 11:58:00

Sample Type: Soil

Lab Sample ID: 5856183-HG FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MERCURY	5.35			MG/KG	10	1.14	0.131	12/15/09	7471A		7471A MOD.
MOISTURE	13.5			%	1	0.50	0.50	12/09/09	SM 2540 G		
LEAD	91.1			MG/KG	1	1.65	0.661	12/31/09	6010B		3050A

Location: 536-287

Field Sample ID: POM-S-536-287(2.0-2.5)

Date Sampled: 12/4/2009 12:04:00

Sample Type: Soil

Lab Sample ID: 5856184-MOIST FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MOISTURE	28.3			%	1	0.50	0.50	12/09/09	SM 2540 G		
LEAD	301			MG/KG	1	2.05	0.820	12/15/09	6010B		3050A

Location: 536-287

Field Sample ID: POM-S-536-287(3.0-3.5)

Date Sampled: 12/4/2009 12:10:00

Sample Type: Soil

Lab Sample ID: 5856185-MOIST FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MOISTURE	57.4			%	1	0.50	0.50	12/09/09	SM 2540 G		
LEAD	166			MG/KG	1	3.49	1.39	12/15/09	6010B		3050A

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Batch Identifier 259189 3010A 6010B 04-DEC-09 093385705003 16417

Method Number: 6010B Prep Method: 3010A Pre-prep:
Batch Start Date: 12/04/2009 Instrument: 16417

Analyte/Parameter	Result	Unit	MDL	PQL	RPR	RPR Limits		RPD	
						Min	Max	RPD	Max
Sample Type SILVER	LCS 0.0504	Lab Sample ID: P33805CQQ-AG MG/L	LCS 0.0023	Lab: LANCAS 0.0050	101	83	120		
Sample Type ALUMINIUM	LCS 2.29	Lab Sample ID: P33805CQQ-AL MG/L	LCS 0.0802	Lab: LANCAS 0.200	114	90	112		
Sample Type BARIUM	LCS 2.13	Lab Sample ID: P33805CQQ-BA MG/L	LCS 0.00060	Lab: LANCAS 0.0050	106	90	110		
Sample Type BERYLLIUM	LCS 0.0532	Lab Sample ID: P33805CQQ-BE MG/L	LCS 0.0014	Lab: LANCAS 0.0050	106	90	112		
Sample Type CALCIUM	LCS 4.41	Lab Sample ID: P33805CQQ-CA MG/L	LCS 0.0702	Lab: LANCAS 0.200	110	90	112		
Sample Type CADMIUM	LCS 0.0499	Lab Sample ID: P33805CQQ-CD MG/L	LCS 0.0020	Lab: LANCAS 0.0050	100	90	112		
Sample Type COBALT	LCS 0.496	Lab Sample ID: P33805CQQ-CO MG/L	LCS 0.0021	Lab: LANCAS 0.0050	99	90	110		
Sample Type CHROMIUM	LCS 0.212	Lab Sample ID: P33805CQQ-CR MG/L	LCS 0.0034	Lab: LANCAS 0.0150	106	90	110		
Sample Type COPPER	LCS 0.267	Lab Sample ID: P33805CQQ-CU MG/L	LCS 0.0027	Lab: LANCAS 0.0100	107	90	112		
Sample Type IRON	LCS 1.11	Lab Sample ID: P33805CQQ-FE MG/L	LCS 0.0522	Lab: LANCAS 0.200	111	90	112		
Sample Type POTASSIUM	LCS 10.6	Lab Sample ID: P33805CQQ-K MG/L	LCS 0.239	Lab: LANCAS 0.500	106	85	115		
Sample Type MAGNESIUM	LCS 2.13	Lab Sample ID: P33805CQQ-MG MG/L	LCS 0.0172	Lab: LANCAS 0.100	107	89	110		
Sample Type MANGANESE	LCS 0.526	Lab Sample ID: P33805CQQ-MN MG/L	LCS 0.00084	Lab: LANCAS 0.0050	105	90	110		
Sample Type SODIUM	LCS 10.5	Lab Sample ID: P33805CQQ-NA MG/L	LCS 0.433	Lab: LANCAS 1.00	105	87	114		
Sample Type NICKEL	LCS 0.498	Lab Sample ID: P33805CQQ-NI MG/L	LCS 0.0018	Lab: LANCAS 0.0100	100	90	111		
Sample Type LEAD	LCS 0.151	Lab Sample ID: P33805CQQ-PB MG/L	LCS 0.0069	Lab: LANCAS 0.0150	101	80	120		
Sample Type SELENIUM	LCS 0.158	Lab Sample ID: P33805CQQ-SE MG/L	LCS 0.0089	Lab: LANCAS 0.0200	105	80	120		
Sample Type VANADIUM	LCS 0.540	Lab Sample ID: P33805CQQ-V MG/L	LCS 0.0025	Lab: LANCAS 0.0050	108	90	110		
Sample Type ZINC	LCS 0.501	Lab Sample ID: P33805CQQ-ZN MG/L	LCS 0.0081	Lab: LANCAS 0.0200	100	90	111		
Sample Type SILVER	MB < 0.0023	Lab Sample ID: P33805CBB-AG MG/L	MB 0.0023	Lab: LANCAS 0.0050					
Sample Type ALUMINIUM	MB < 0.0802	Lab Sample ID: P33805CBB-AL MG/L	MB 0.0802	Lab: LANCAS 0.200					
Sample Type BARIUM	MB < 0.00060	Lab Sample ID: P33805CBB-BA MG/L	MB 0.00060	Lab: LANCAS 0.0050					
Sample Type BERYLLIUM	MB < 0.0014	Lab Sample ID: P33805CBB-BE MG/L	MB 0.0014	Lab: LANCAS 0.0050					
Sample Type CALCIUM	MB < 0.0702	Lab Sample ID: P33805CBB-CA MG/L	MB 0.0702	Lab: LANCAS 0.200					
Sample Type CADMIUM	MB < 0.0020	Lab Sample ID: P33805CBB-CD MG/L	MB 0.0020	Lab: LANCAS 0.0050					
Sample Type COBALT	MB < 0.0021	Lab Sample ID: P33805CBB-CO MG/L	MB 0.0021	Lab: LANCAS 0.0050					
Sample Type CHROMIUM	MB < 0.0034	Lab Sample ID: P33805CBB-CR MG/L	MB 0.0034	Lab: LANCAS 0.0150					
Sample Type COPPER	MB < 0.0027	Lab Sample ID: P33805CBB-CU MG/L	MB 0.0027	Lab: LANCAS 0.0100					
Sample Type IRON	MB < 0.0522	Lab Sample ID: P33805CBB-FE MG/L	MB 0.0522	Lab: LANCAS 0.200					
Sample Type POTASSIUM	MB < 0.239	Lab Sample ID: P33805CBB-K MG/L	MB 0.239	Lab: LANCAS 0.500					
Sample Type MAGNESIUM	MB < 0.0172	Lab Sample ID: P33805CBB-MG MG/L	MB 0.0172	Lab: LANCAS 0.100					

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Analyte/Parameter	Result	Unit	MDL	PQL	RPR	RPR Limits		RPD	
						Min	Max	RPD	Max
Sample Type MANGANESE	MB	Lab Sample ID: P33805CBB-MN MB < 0.00084	MG/L	0.00084					
Sample Type SODIUM	MB	Lab Sample ID: P33805CBB-NA MB < 0.433	MG/L	0.433					
Sample Type NICKEL	MB	Lab Sample ID: P33805CBB-NI MB < 0.0018	MG/L	0.0018					
Sample Type LEAD	MB	Lab Sample ID: P33805CBB-PB MB < 0.0069	MG/L	0.0069					
Sample Type SELENIUM	MB	Lab Sample ID: P33805CBB-SE MB < 0.0089	MG/L	0.0089					
Sample Type VANADIUM	MB	Lab Sample ID: P33805CBB-V MB < 0.0025	MG/L	0.0025					
Sample Type ZINC	MB	Lab Sample ID: P33805CBB-ZN MB < 0.0081	MG/L	0.0081					
Sample Type SILVER	MS	Lab Sample ID: 5853015-AG MS 0.0476	MG/L	0.0023		95	75	125	
Sample Type ALUMINUM	MS	Lab Sample ID: 5853015-AL MS 2.76	MG/L	0.0802		110	75	125	
Sample Type BARIUM	MS	Lab Sample ID: 5853015-BA MS 2.09	MG/L	0.00060		102	78	118	
Sample Type BERYLLIUM	MS	Lab Sample ID: 5853015-BE MS 0.0508	MG/L	0.0014		102	87	114	
Sample Type CALCIUM	MS	Lab Sample ID: 5853015-CA MS 73.0	MG/L	0.0702		NC	75	125	NC
Sample Type CADMIUM	MS	Lab Sample ID: 5853015-CD MS 0.0497	MG/L	0.0020		99	83	116	
Sample Type COBALT	MS	Lab Sample ID: 5853015-CO MS 0.516	MG/L	0.0021		97	87	112	
Sample Type CHROMIUM	MS	Lab Sample ID: 5853015-CR MS 0.198	MG/L	0.0034		99	81	120	
Sample Type COPPER	MS	Lab Sample ID: 5853015-CU MS 0.260	MG/L	0.0027		104	86	122	
Sample Type IRON	MS	Lab Sample ID: 5853015-FE MS 42.4	MG/L	0.0522		NC	75	125	NC
Sample Type POTASSIUM	MS	Lab Sample ID: 5853015-K MS 15.1	MG/L	0.239		104	75	125	
Sample Type MAGNESIUM	MS	Lab Sample ID: 5853015-MG MS 7.41	MG/L	0.0172		93	75	125	
Sample Type MANGANESE	MS	Lab Sample ID: 5853015-MN MS 0.967	MG/L	0.00084		92	75	125	
Sample Type SODIUM	MS	Lab Sample ID: 5853015-NA MS 64.7	MG/L	0.433		NC	75	125	NC
Sample Type NICKEL	MS	Lab Sample ID: 5853015-NI MS 0.488	MG/L	0.0018		97	86	115	
Sample Type LEAD	MS	Lab Sample ID: 5853015-PB MS 0.150	MG/L	0.0069		100	75	125	
Sample Type SELENIUM	MS	Lab Sample ID: 5853015-SE MS 0.156	MG/L	0.0089		104	75	125	
Sample Type VANADIUM	MS	Lab Sample ID: 5853015-V MS 0.512	MG/L	0.0025		102	90	111	
Sample Type ZINC	MS	Lab Sample ID: 5853015-ZN MS 0.521	MG/L	0.0081		100	85	117	
Sample Type SILVER	MSD	Lab Sample ID: 5853015-AG MSD 0.0494	MG/L	0.0023		99	75	125	4 20
Sample Type ALUMINUM	MSD	Lab Sample ID: 5853015-AL MSD 2.70	MG/L	0.0802		107	75	125	2 20
Sample Type BARIUM	MSD	Lab Sample ID: 5853015-BA MSD 2.07	MG/L	0.00060		101	78	118	1 20
Sample Type BERYLLIUM	MSD	Lab Sample ID: 5853015-BE MSD 0.0531	MG/L	0.0014		106	87	114	4 20
Sample Type CALCIUM	MSD	Lab Sample ID: 5853015-CA MSD 73.8	MG/L	0.0702		NC	75	125	NC 20
Sample Type CADMIUM	MSD	Lab Sample ID: 5853015-CD MSD 0.0499	MG/L	0.0020		100	83	116	0 20
Sample Type COBALT	MSD	Lab Sample ID: 5853015-CO MSD 0.514	MG/L	0.0021		97	87	112	0 20
Sample Type CHROMIUM	MSD	Lab Sample ID: 5853015-CR MSD 0.206	MG/L	0.0034		103	81	120	4 20

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Analyte/Parameter	Result	Unit	MDL	PQL	RPR	RPR Limits		RPD	
						Min	Max	RPD	Max
Sample Type COPPER	MSD 0.271	MG/L	0.0027	Lab: LANCAS 0.0100	108	86	122	4	20
Sample Type IRON	MSD 43.0	MG/L	0.0522	Lab: LANCAS 0.200	NC	75	125	NC	20
Sample Type POTASSIUM	MSD 15.2	MG/L	0.239	Lab: LANCAS 0.500	105	75	125	0	20
Sample Type MAGNESIUM	MSD 7.48	MG/L	0.0172	Lab: LANCAS 0.100	97	75	125	1	20
Sample Type MANGANESE	MSD 1.01	MG/L	0.00084	Lab: LANCAS 0.0050	101	75	125	4	20
Sample Type SODIUM	MSD 65.5	MG/L	0.433	Lab: LANCAS 1.00	NC	75	125	NC	20
Sample Type NICKEL	MSD 0.489	MG/L	0.0018	Lab: LANCAS 0.0100	97	86	115	0	20
Sample Type LEAD	MSD 0.147	MG/L	0.0069	Lab: LANCAS 0.0150	98	75	125	2	20
Sample Type SELENIUM	MSD 0.155	MG/L	0.0089	Lab: LANCAS 0.0200	103	75	125	1	20
Sample Type VANADIUM	MSD 0.533	MG/L	0.0025	Lab: LANCAS 0.0050	107	90	111	4	20
Sample Type ZINC	MSD 0.522	MG/L	0.0081	Lab: LANCAS 0.0200	100	85	117	0	20
Sample Type SILVER	REP < 0.0023	MG/L	0.0023	Lab: LANCAS 0.0050				0	20
Sample Type ALUMINIUM	REP 0.554	MG/L	0.0802	Lab: LANCAS 0.200				0	20
Sample Type BARIUM	REP 0.0470	MG/L	0.00060	Lab: LANCAS 0.0050				1	20
Sample Type BERYLLIUM	REP < 0.0014	MG/L	0.0014	Lab: LANCAS 0.0050				0	20
Sample Type CALCIUM	REP 70.0	MG/L	0.0702	Lab: LANCAS 0.200				2	20
Sample Type CADMIUM	REP < 0.0020	MG/L	0.0020	Lab: LANCAS 0.0050				0	20
Sample Type COBALT	REP 0.0313	MG/L	0.0021	Lab: LANCAS 0.0050				2	20
Sample Type CHROMIUM	REP < 0.0034	MG/L	0.0034	Lab: LANCAS 0.0150				0	20
Sample Type COPPER	REP < 0.0027	MG/L	0.0027	Lab: LANCAS 0.0100				0	20
Sample Type IRON	REP 41.9	MG/L	0.0522	Lab: LANCAS 0.200				2	20
Sample Type POTASSIUM	REP 4.65	MG/L	0.239	Lab: LANCAS 0.500				2	20
Sample Type MAGNESIUM	REP 5.43	MG/L	0.0172	Lab: LANCAS 0.100				2	20
Sample Type MANGANESE	REP 0.495	MG/L	0.00084	Lab: LANCAS 0.0050				2	20
Sample Type SODIUM	REP 55.2	MG/L	0.433	Lab: LANCAS 1.00				1	20
Sample Type NICKEL	REP 0.0051	MG/L	0.0018	Lab: LANCAS 0.0100				6	20
Sample Type LEAD	REP < 0.0069	MG/L	0.0069	Lab: LANCAS 0.0150				0	20
Sample Type SELENIUM	REP < 0.0089	MG/L	0.0089	Lab: LANCAS 0.0200				0	20
Sample Type VANADIUM	REP 0.0026	MG/L	0.0025	Lab: LANCAS 0.0050				200	20
Sample Type ZINC	REP 0.0226	MG/L	0.0081	Lab: LANCAS 0.0200				3	20

The following field samples are included in this batch:

Sampleno	Datesmpl	Lab Id	Lab
POM-K-536-EQBLK1	12/1/2009	5854118-PB EB	LANCAS
POM-K-536-EQBLK1	12/1/2009	5854118-SE EB	LANCAS
POM-K-536-EQBLK2	12/2/2009	5854119-PB EB	LANCAS
POM-K-536-EQBLK2	12/2/2009	5854119-SE EB	LANCAS

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Batch Identifier 259240 METHOD 7470A 04-DEC-09 093385713006 62347

Method Number: 7470A Prep Method: METHOD Pre-prep:
Batch Start Date: 12/04/2009 Instrument: 62347

Analyte/Parameter	Result	Unit	MDL	PQL	RPR	RPR Limits		RPD	
						Min	Max	RPD	Max
Sample Type MERCURY	LCS 0.00099	MG/L	0.000056	0.00020	99	80	120		
Sample Type MERCURY	MB < 0.000056	MG/L	0.000056	0.00020					
Sample Type MERCURY	MS 0.0010	MG/L	0.000056	0.00020	103	80	120		
Sample Type MERCURY	MSD 0.0011	MG/L	0.000056	0.00020	107	80	120	4	20
Sample Type MERCURY	REP < 0.000056	MG/L	0.000056	0.00020				0	20

The following field samples are included in this batch:

Sampleno	Datesmpl	Lab Id	Lab
POM-K-536-EQBLK1	12/1/2009	5854118-HG EB	LANCAS
POM-K-536-EQBLK2	12/2/2009	5854119-HG EB	LANCAS

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Batch Identifier 259372 3010A 6010B 13-DEC-09 093455705005 16417

Method Number: 6010B Prep Method: 3010A Pre-prep:
Batch Start Date: 12/13/2009 Instrument: 16417

Analyte/Parameter	Result	Unit	MDL	PQL	RPR	RPR Limits		RPD	
						Min	Max	RPD	Max
Sample Type SILVER	LCS 0.0529	Lab Sample ID: P34505EQQ-AG MG/L	LCS 0.0023	Lab: LANCAS 0.0050	106	83	120		
Sample Type BERYLLIUM	LCS 0.0498	Lab Sample ID: P34505EQQ-BE MG/L	LCS 0.0014	Lab: LANCAS 0.0050	100	90	112		
Sample Type CADMIUM	LCS 0.0507	Lab Sample ID: P34505EQQ-CD MG/L	LCS 0.0020	Lab: LANCAS 0.0050	101	90	112		
Sample Type CHROMIUM	LCS 0.206	Lab Sample ID: P34505EQQ-CR MG/L	LCS 0.0034	Lab: LANCAS 0.0150	103	90	110		
Sample Type COPPER	LCS 0.254	Lab Sample ID: P34505EQQ-CU MG/L	LCS 0.0027	Lab: LANCAS 0.0100	102	90	112		
Sample Type NICKEL	LCS 0.508	Lab Sample ID: P34505EQQ-NI MG/L	LCS 0.0018	Lab: LANCAS 0.0100	102	90	111		
Sample Type LEAD	LCS 0.153	Lab Sample ID: P34505EQQ-PB MG/L	LCS 0.0069	Lab: LANCAS 0.0150	102	80	120		
Sample Type SELENIUM	LCS 0.154	Lab Sample ID: P34505EQQ-SE MG/L	LCS 0.0089	Lab: LANCAS 0.0200	103	80	120		
Sample Type ZINC	LCS 0.507	Lab Sample ID: P34505EQQ-ZN MG/L	LCS 0.0081	Lab: LANCAS 0.0200	101	90	111		
Sample Type SILVER	MB < 0.0023	Lab Sample ID: P34505EBB-AG MG/L	MB 0.0023	Lab: LANCAS 0.0050					
Sample Type BERYLLIUM	MB < 0.0014	Lab Sample ID: P34505EBB-BE MG/L	MB 0.0014	Lab: LANCAS 0.0050					
Sample Type CADMIUM	MB < 0.0020	Lab Sample ID: P34505EBB-CD MG/L	MB 0.0020	Lab: LANCAS 0.0050					
Sample Type CHROMIUM	MB < 0.0034	Lab Sample ID: P34505EBB-CR MG/L	MB 0.0034	Lab: LANCAS 0.0150					
Sample Type COPPER	MB < 0.0027	Lab Sample ID: P34505EBB-CU MG/L	MB 0.0027	Lab: LANCAS 0.0100					
Sample Type NICKEL	MB < 0.0018	Lab Sample ID: P34505EBB-NI MG/L	MB 0.0018	Lab: LANCAS 0.0100					
Sample Type LEAD	MB < 0.0069	Lab Sample ID: P34505EBB-PB MG/L	MB 0.0069	Lab: LANCAS 0.0150					
Sample Type SELENIUM	MB < 0.0089	Lab Sample ID: P34505EBB-SE MG/L	MB 0.0089	Lab: LANCAS 0.0200					
Sample Type ZINC	MB < 0.0081	Lab Sample ID: P34505EBB-ZN MG/L	MB 0.0081	Lab: LANCAS 0.0200					
Sample Type SILVER	MS 0.0549	Lab Sample ID: 5857429-AG MG/L	MS 0.0023	Lab: LANCAS 0.0050	110	75	125		
Sample Type BERYLLIUM	MS 0.0514	Lab Sample ID: 5857429-BE MG/L	MS 0.0014	Lab: LANCAS 0.0050	103	87	114		
Sample Type CADMIUM	MS 0.0485	Lab Sample ID: 5857429-CD MG/L	MS 0.0020	Lab: LANCAS 0.0050	97	83	116		
Sample Type CHROMIUM	MS 0.267	Lab Sample ID: 5857429-CR MG/L	MS 0.0034	Lab: LANCAS 0.0150	103	81	120		
Sample Type COPPER	MS 0.448	Lab Sample ID: 5857429-CU MG/L	MS 0.0027	Lab: LANCAS 0.0100	110	86	122		
Sample Type NICKEL	MS 0.496	Lab Sample ID: 5857429-NI MG/L	MS 0.0018	Lab: LANCAS 0.0100	93	86	115		
Sample Type LEAD	MS 0.286	Lab Sample ID: 5857429-PB MG/L	MS 0.0069	Lab: LANCAS 0.0150	100	75	125		
Sample Type SELENIUM	MS 0.157	Lab Sample ID: 5857429-SE MG/L	MS 0.0089	Lab: LANCAS 0.0200	104	75	125		
Sample Type ZINC	MS 0.614	Lab Sample ID: 5857429-ZN MG/L	MS 0.0081	Lab: LANCAS 0.0200	101	85	117		
Sample Type SILVER	MSD 0.0533	Lab Sample ID: 5857429-AG MG/L	MSD 0.0023	Lab: LANCAS 0.0050	107	75	125	3	20
Sample Type BERYLLIUM	MSD 0.0509	Lab Sample ID: 5857429-BE MG/L	MSD 0.0014	Lab: LANCAS 0.0050	102	87	114	1	20
Sample Type CADMIUM	MSD 0.0484	Lab Sample ID: 5857429-CD MG/L	MSD 0.0020	Lab: LANCAS 0.0050	97	83	116	0	20
Sample Type CHROMIUM	MSD 0.266	Lab Sample ID: 5857429-CR MG/L	MSD 0.0034	Lab: LANCAS 0.0150	103	81	120	1	20

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Analyte/Parameter	Result	Unit	MDL	PQL	RPR	RPR Limits		RPD	
						Min	Max	RPD	Max
Sample Type COPPER	MSD 0.444	MG/L	0.0027	Lab Sample ID: 5857429-CU MSD 0.0100	Lab: LANCAS 108	86	122	1	20
Sample Type NICKEL	MSD 0.496	MG/L	0.0018	Lab Sample ID: 5857429-NI MSD 0.0100	Lab: LANCAS 93	86	115	0	20
Sample Type LEAD	MSD 0.285	MG/L	0.0069	Lab Sample ID: 5857429-PB MSD 0.0150	Lab: LANCAS 100	75	125	0	20
Sample Type SELENIUM	MSD 0.158	MG/L	0.0089	Lab Sample ID: 5857429-SE MSD 0.0200	Lab: LANCAS 105	75	125	1	20
Sample Type ZINC	MSD 0.615	MG/L	0.0081	Lab Sample ID: 5857429-ZN MSD 0.0200	Lab: LANCAS 101	85	117	0	20
Sample Type SILVER	REP 0.0025	MG/L	0.0023	Lab Sample ID: 5857429-AG REP 0.0050	Lab: LANCAS 200			200	20
Sample Type BERYLLIUM	REP < 0.0014	MG/L	0.0014	Lab Sample ID: 5857429-BE REP 0.0050	Lab: LANCAS 0			0	20
Sample Type CADMIUM	REP < 0.0020	MG/L	0.0020	Lab Sample ID: 5857429-CD REP 0.0050	Lab: LANCAS 0			0	20
Sample Type CHROMIUM	REP 0.0633	MG/L	0.0034	Lab Sample ID: 5857429-CR REP 0.0150	Lab: LANCAS 4			4	20
Sample Type COPPER	REP 0.178	MG/L	0.0027	Lab Sample ID: 5857429-CU REP 0.0100	Lab: LANCAS 3			3	20
Sample Type NICKEL	REP 0.0314	MG/L	0.0018	Lab Sample ID: 5857429-NI REP 0.0100	Lab: LANCAS 5			5	20
Sample Type LEAD	REP 0.149	MG/L	0.0069	Lab Sample ID: 5857429-PB REP 0.0150	Lab: LANCAS 9			9	20
Sample Type SELENIUM	REP < 0.0089	MG/L	0.0089	Lab Sample ID: 5857429-SE REP 0.0200	Lab: LANCAS 0			0	20
Sample Type ZINC	REP 0.116	MG/L	0.0081	Lab Sample ID: 5857429-ZN REP 0.0200	Lab: LANCAS 5			5	20

The following field samples are included in this batch:

Sampleno	Datesmpl	Lab Id	Lab
POM-K-536-EQBLK3	12/3/2009	5856186-PB EB	LANCAS
POM-K-536-EQBLK3	12/3/2009	5856186-SE EB	LANCAS
POM-K-536-EQBLK4	12/4/2009	5856187-PB EB	LANCAS
POM-K-536-EQBLK4	12/4/2009	5856187-SE EB	LANCAS

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Batch Identifier 259748 SM 2540 G 04-DEC-09 09338820003B 9001

Method Number: SM 2540 G Prep Method: Pre-prep:
Batch Start Date: 12/04/2009 Instrument: 9001

Analyte/Parameter	Result	Unit	MDL	PQL	RPR	RPR Limits		RPD	
						Min	Max	RPD	Max
Sample Type MOISTURE	LCS	Lab Sample ID: LC33813Q-MOIST LCS		Lab: LANCAS					
	89.4	%	0.50	0.50	100	99	101		
Sample Type MOISTURE	REP	Lab Sample ID: 5854114-MOIST REP		Lab: LANCAS					
	45.6	%	0.50	0.50				3	15

The following field samples are included in this batch:

Sampleno	Datesmpl	Lab Id	Lab
POM-S-536-237(0.0-0.5)	12/2/2009	5854113-MOIST FS	LANCAS
POM-S-536-275(0.0-0.5)	12/2/2009	5854114-MOIST FS	LANCAS
POM-S-536-275(1.5-2.0)	12/1/2009	5854107-MOIST FS	LANCAS
POM-S-536-276(0.0-0.5)	12/1/2009	5854108-MOIST FS	LANCAS
POM-S-536-278(0.0-0.5)	12/1/2009	5854103-MOIST FS	LANCAS
POM-S-536-279(0.0-0.5)	12/1/2009	5854104-MOIST FS	LANCAS
POM-S-536-290(3.0-3.5)	12/2/2009	5854109-MOIST FS	LANCAS
POM-S-536-296(3.0-3.5)	12/2/2009	5854112-MOIST FS	LANCAS
POM-S-536-297(1.0-1.5)	12/2/2009	5854110-MOIST FS	LANCAS
POM-S-536-297(1.0-1.5)-DUP	12/2/2009	5854111-MOIST FS	LANCAS
POM-S-536-300(0.0-0.5)	12/1/2009	5854105-MOIST FS	LANCAS
POM-S-536-6D(0.5-1.0)	12/1/2009	5854106-MOIST FS	LANCAS

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Batch Identifier 259749 3050B 6010B 08-DEC-09 093415708005 11016

Method Number: 6010B Prep Method: 3050B Pre-prep:
Batch Start Date: 12/08/2009 Instrument: 11016

Analyte/Parameter	Result	Unit	MDL	PQL	RPR	RPR Limits		RPD	
						Min	Max	RPD	Max
Sample Type	LCS	Lab Sample ID: P34108EQQ-PB LCS			Lab: LANCAS				
LEAD	73.4	MG/KG	0.600	1.50	102	85	114		
Sample Type	LCS	Lab Sample ID: P34108EQQ-SE LCS			Lab: LANCAS				
SELENIUM	213	MG/KG	0.980	2.00	100	90	109		
Sample Type	MB	Lab Sample ID: P34108EBB-PB MB			Lab: LANCAS				
LEAD	< 0.588	MG/KG	0.588	1.47					
Sample Type	MB	Lab Sample ID: P34108EBB-SE MB			Lab: LANCAS				
SELENIUM	< 0.961	MG/KG	0.961	1.96					
Sample Type	MS	Lab Sample ID: 5854114-PB MS			Lab: LANCAS				
LEAD	169	MG/KG	2.91	7.28	NC	75	125	NC	
Sample Type	MS	Lab Sample ID: 5854114-SE MS			Lab: LANCAS				
SELENIUM	22.8	MG/KG	0.951	1.94	114	75	125		
Sample Type	MSD	Lab Sample ID: 5854114-PB MSD			Lab: LANCAS				
LEAD	158	MG/KG	2.91	7.28	NC	75	125	NC	20
Sample Type	MSD	Lab Sample ID: 5854114-SE MSD			Lab: LANCAS				
SELENIUM	21.1	MG/KG	0.951	1.94	93	75	125	14	20
Sample Type	REP	Lab Sample ID: 5854114-PB REP			Lab: LANCAS				
LEAD	103	MG/KG	2.97	7.43				48	20
Sample Type	REP	Lab Sample ID: 5854114-SE REP			Lab: LANCAS				
SELENIUM	< 4.85	MG/KG	4.85	9.90				200	20

The following field samples are included in this batch:

Sampleno	Datesmpl	Lab Id	Lab
POM-S-536-237(0.0-0.5)	12/2/2009	5854113-PB FS	LANCAS
POM-S-536-275(0.0-0.5)	12/2/2009	5854114-PB FS	LANCAS
POM-S-536-275(0.0-0.5)	12/2/2009	5854114-SE FS	LANCAS
POM-S-536-275(1.5-2.0)	12/1/2009	5854107-PB FS	LANCAS
POM-S-536-276(0.0-0.5)	12/1/2009	5854108-PB FS	LANCAS
POM-S-536-276(0.0-0.5)	12/1/2009	5854108-SE FS	LANCAS
POM-S-536-278(0.0-0.5)	12/1/2009	5854103-PB FS	LANCAS
POM-S-536-278(0.0-0.5)	12/1/2009	5854103-SE FS	LANCAS
POM-S-536-279(0.0-0.5)	12/1/2009	5854104-PB FS	LANCAS
POM-S-536-279(0.0-0.5)	12/1/2009	5854104-SE FS	LANCAS
POM-S-536-290(3.0-3.5)	12/2/2009	5854109-PB FS	LANCAS
POM-S-536-296(3.0-3.5)	12/2/2009	5854112-PB FS	LANCAS
POM-S-536-297(1.0-1.5)	12/2/2009	5854110-PB FS	LANCAS
POM-S-536-297(1.0-1.5)-DUP	12/2/2009	5854111-PB FS	LANCAS
POM-S-536-300(0.0-0.5)	12/1/2009	5854105-PB FS	LANCAS
POM-S-536-300(0.0-0.5)	12/1/2009	5854105-SE FS	LANCAS
POM-S-536-6D(0.5-1.0)	12/1/2009	5854106-PB FS	LANCAS

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Batch Identifier 259750 7471A MOD. 7471A 08-DEC-09 093415711003 62347

Method Number: 7471A Prep Method: 7471A MOD. Pre-prep:
Batch Start Date: 12/08/2009 Instrument: 62347

Analyte/Parameter	Result	Unit	MDL	PQL	RPR	RPR Limits		RPD	
						Min	Max	RPD	Max
Sample Type MERCURY	LCS 12.3	Lab Sample ID: P34111CQQ-HG LCS MG/KG	0.223	Lab: LANCAS 1.94	105	66	135		
Sample Type MERCURY	MB < 0.0112	Lab Sample ID: P34111CBB-HG MB MG/KG	0.0112	Lab: LANCAS 0.0975					
Sample Type MERCURY	MS 15.6	Lab Sample ID: 5854114-HG MS MG/KG	0.558	Lab: LANCAS 4.86	NC	80	120	NC	
Sample Type MERCURY	MSD 16.5	Lab Sample ID: 5854114-HG MSD MG/KG	0.562	Lab: LANCAS 4.89	NC	80	120	NC	20
Sample Type MERCURY	REP 14.6	Lab Sample ID: 5854114-HG REP MG/KG	0.570	Lab: LANCAS 4.96				14	20

The following field samples are included in this batch:

Sampleno	Datesmpl	Lab Id	Lab
POM-S-536-275(0.0-0.5)	12/2/2009	5854114-HG FS	LANCAS
POM-S-536-276(0.0-0.5)	12/1/2009	5854108-HG FS	LANCAS
POM-S-536-297(1.0-1.5)	12/2/2009	5854110-HG FS	LANCAS
POM-S-536-297(1.0-1.5)-DUP	12/2/2009	5854111-HG FS	LANCAS

Batch Identifier 262275 METHOD 7470A 07-DEC-09 093415713001 62347

Method Number: 7470A Prep Method: METHOD Pre-prep:
Batch Start Date: 12/07/2009 Instrument: 62347

Analyte/Parameter	Result	Unit	MDL	PQL	RPR	RPR Limits		RPD	
						Min	Max	RPD	Max
Sample Type MERCURY	LCS 0.0010	Lab Sample ID: P34113AQQ-HG LCS MG/L	0.000056	Lab: LANCAS 0.00020	100	80	120		
Sample Type MERCURY	LCSD 0.0011	Lab Sample ID: P34113AYY-HG LCSD MG/L	0.000056	Lab: LANCAS 0.00020	106	80	120	6	20
Sample Type MERCURY	MB < 0.000056	Lab Sample ID: P34113ABB-HG MB MG/L	0.000056	Lab: LANCAS 0.00020					

The following field samples are included in this batch:

Sampleno	Datesmpl	Lab Id	Lab
POM-K-536-EQBLK3	12/3/2009	5856186-HG EB	LANCAS
POM-K-536-EQBLK4	12/4/2009	5856187-HG EB	LANCAS

**Corporate Environmental Database
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Batch Identifier 262278 3050A 6010B 10-DEC-09 093445708004 16315

Method Number: 6010B Prep Method: 3050A Pre-prep:
Batch Start Date: 12/10/2009 Instrument: 16315

Analyte/Parameter	Result	Unit	MDL	PQL	RPR	RPR Limits		RPD	
						Min	Max	RPD	Max
Sample Type	LCS	Lab Sample ID: P34408DQQ-PB LCS			Lab: LANCAS				
LEAD	64.6	MG/KG	0.600	1.50	90	85	114		
Sample Type	LCS	Lab Sample ID: P34408DQQ-SE LCS			Lab: LANCAS				
SELENIUM	205	MG/KG	0.980	2.00	97	90	109		
Sample Type	MB	Lab Sample ID: P34408DBB-PB MB			Lab: LANCAS				
LEAD	< 0.600	MG/KG	0.600	1.50					
Sample Type	MB	Lab Sample ID: P34408DBB-SE MB			Lab: LANCAS				
SELENIUM	< 0.980	MG/KG	0.980	2.00					
Sample Type	MS	Lab Sample ID: 5855374-PB MS			Lab: LANCAS				
LEAD	219	MG/KG	0.600	1.50	NC	75	125	NC	
Sample Type	MS	Lab Sample ID: 5855374-SE MS			Lab: LANCAS				
SELENIUM	17.7	MG/KG	0.980	2.00	118	75	125		
Sample Type	MSD	Lab Sample ID: 5855374-PB MSD			Lab: LANCAS				
LEAD	140	MG/KG	0.600	1.50	NC	75	125	NC	20
Sample Type	MSD	Lab Sample ID: 5855374-SE MSD			Lab: LANCAS				
SELENIUM	16.8	MG/KG	0.980	2.00	112	75	125	5	20
Sample Type	REP	Lab Sample ID: 5855374-PB REP			Lab: LANCAS				
LEAD	118	MG/KG	0.600	1.50				58	20
Sample Type	REP	Lab Sample ID: 5855374-SE REP			Lab: LANCAS				
SELENIUM	< 0.980	MG/KG	0.980	2.00				0	20

The following field samples are included in this batch:

Sampleno	Datesmpl	Lab Id	Lab
POM-S-536-235(0.0-0.5)	12/3/2009	5856169-PB FS	LANCAS
POM-S-536-25D(0.0-0.5)	12/3/2009	5856168-PB FS	LANCAS
POM-S-536-273(0.0-0.5)	12/3/2009	5856175-SE FS	LANCAS
POM-S-536-276(1.5-2.0)	12/4/2009	5856177-PB FS	LANCAS
POM-S-536-286(1.0-1.5)	12/4/2009	5856178-PB FS	LANCAS
POM-S-536-286(3.0-3.5)	12/4/2009	5856179-PB FS	LANCAS
POM-S-536-287(2.0-2.5)	12/4/2009	5856184-PB FS	LANCAS
POM-S-536-287(3.0-3.5)	12/4/2009	5856185-PB FS	LANCAS
POM-S-536-291(1.0-1.5)	12/3/2009	5856173-PB FS	LANCAS
POM-S-536-299(0.0-0.5)	12/4/2009	5856180-SE FS	LANCAS
POM-S-536-299(0.0-0.5)-DUP	12/4/2009	5856181-SE FS	LANCAS

**Corporate Environmental Database
Lab Analysis QAQC Report**

Site: POMPTON LAKES WORKS
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Batch Identifier 262279 7471A MOD. 7471A 15-DEC-09 093485711004 62347

Method Number: 7471A Prep Method: 7471A MOD. Pre-prep:
Batch Start Date: 12/15/2009 Instrument: 62347

Analyte/Parameter	Result	Unit	MDL	PQL	RPR	RPR Limits		RPD	RPD Max
						Min	Max		
Sample Type MERCURY	LCS 10.8	Lab Sample ID: P34811DQQ-HG LCS MG/KG	0.228	Lab: LANCAS 1.99	92	66	135		
Sample Type MERCURY	MB < 0.0112	Lab Sample ID: P34811DBB-HG MB MG/KG	0.0112	Lab: LANCAS 0.0972					
Sample Type MERCURY	MS 3.36	Lab Sample ID: 5856170-HG MS MG/KG	0.112	Lab: LANCAS 0.974	NC	80	120	NC	
Sample Type MERCURY	MSD 3.41	Lab Sample ID: 5856170-HG MSD MG/KG	0.111	Lab: LANCAS 0.971	NC	80	120	NC	20
Sample Type MERCURY	REP 3.48	Lab Sample ID: 5856170-HG REP MG/KG	0.114	Lab: LANCAS 0.989				30	20

The following field samples are included in this batch:

Sampleno	Datesmpl	Lab Id	Lab
POM-S-536-262(0.0-0.5)	12/3/2009	5856171-HG FS	LANCAS
POM-S-536-264(0.0-0.5)	12/3/2009	5856172-HG FS	LANCAS
POM-S-536-265(0.0-0.5)	12/3/2009	5856170-HG FS	LANCAS
POM-S-536-273(0.0-0.5)	12/3/2009	5856175-HG FS	LANCAS
POM-S-536-273(1.5-2.0)	12/3/2009	5856174-HG FS	LANCAS
POM-S-536-274(1.5-2.0)	12/3/2009	5856176-HG FS	LANCAS
POM-S-536-276(1.5-2.0)	12/4/2009	5856177-HG FS	LANCAS
POM-S-536-287(1.0-1.5)	12/4/2009	5856183-HG FS	LANCAS
POM-S-536-50D(0.5-1.0)	12/4/2009	5856182-HG FS	LANCAS

Batch Identifier 262280 SM 2540 G 09-DEC-09 09343820006A 9001

Method Number: SM 2540 G Prep Method: Pre-prep:
Batch Start Date: 12/09/2009 Instrument: 9001

Analyte/Parameter	Result	Unit	MDL	PQL	RPR	RPR Limits		RPD	RPD Max
						Min	Max		
Sample Type MOISTURE	LCS 89.5	Lab Sample ID: LC34316Q-MOIST LCS %	0.50	Lab: LANCAS 0.50	100	99	101		
Sample Type MOISTURE	REP 57.0	Lab Sample ID: 5856185-MOIST REP %	0.50	Lab: LANCAS 0.50				1	15

The following field samples are included in this batch:

Sampleno	Datesmpl	Lab Id	Lab
POM-S-536-235(0.0-0.5)	12/3/2009	5856169-MOIST FS	LANCAS
POM-S-536-25D(0.0-0.5)	12/3/2009	5856168-MOIST FS	LANCAS
POM-S-536-262(0.0-0.5)	12/3/2009	5856171-MOIST FS	LANCAS
POM-S-536-264(0.0-0.5)	12/3/2009	5856172-MOIST FS	LANCAS
POM-S-536-265(0.0-0.5)	12/3/2009	5856170-MOIST FS	LANCAS
POM-S-536-273(0.0-0.5)	12/3/2009	5856175-MOIST FS	LANCAS
POM-S-536-273(1.5-2.0)	12/3/2009	5856174-MOIST FS	LANCAS
POM-S-536-274(1.5-2.0)	12/3/2009	5856176-MOIST FS	LANCAS
POM-S-536-276(1.5-2.0)	12/4/2009	5856177-MOIST FS	LANCAS
POM-S-536-286(1.0-1.5)	12/4/2009	5856178-MOIST FS	LANCAS
POM-S-536-286(3.0-3.5)	12/4/2009	5856179-MOIST FS	LANCAS
POM-S-536-287(1.0-1.5)	12/4/2009	5856183-MOIST FS	LANCAS
POM-S-536-287(2.0-2.5)	12/4/2009	5856184-MOIST FS	LANCAS
POM-S-536-287(3.0-3.5)	12/4/2009	5856185-MOIST FS	LANCAS
POM-S-536-291(1.0-1.5)	12/3/2009	5856173-MOIST FS	LANCAS
POM-S-536-299(0.0-0.5)	12/4/2009	5856180-MOIST FS	LANCAS
POM-S-536-299(0.0-0.5)-DUP	12/4/2009	5856181-MOIST FS	LANCAS
POM-S-536-50D(0.5-1.0)	12/4/2009	5856182-MOIST FS	LANCAS

**Corporate Environmental Database
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Site: POMPTON LAKES WORKS
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Batch Identifier 262281 3050A 6010B 30-DEC-09 093645708004 11016

Method Number: 6010B Prep Method: 3050A Pre-prep:
Batch Start Date: 12/30/2009 Instrument: 11016

Analyte/Parameter	Result	Unit	MDL	PQL	RPR	RPR Limits		RPD	
						Min	Max	RPD	Max
Sample Type	LCS	Lab Sample ID: P36408DQQ-PB LCS			Lab: LANCAS				
LEAD	66.6	MG/KG	0.600	1.50	93	85	114		
Sample Type	MB	Lab Sample ID: P36408DBB-PB MB			Lab: LANCAS				
LEAD	< 0.600	MG/KG	0.600	1.50					
Sample Type	MS	Lab Sample ID: 5869344-PB MS			Lab: LANCAS				
LEAD	211	MG/KG	0.600	1.50	NC	75	125	NC	
Sample Type	MSD	Lab Sample ID: 5869344-PB MSD			Lab: LANCAS				
LEAD	193	MG/KG	0.600	1.50	NC	75	125	NC	20
Sample Type	REP	Lab Sample ID: 5869344-PB REP			Lab: LANCAS				
LEAD	213	MG/KG	0.600	1.50				4	20

The following field samples are included in this batch:

Sampleno	Datesmpl	Lab Id	Lab
POM-S-536-274(1.5-2.0)	12/3/2009	5856176-PB FS	LANCAS
POM-S-536-287(1.0-1.5)	12/4/2009	5856183-PB FS	LANCAS

ANALYTICAL RESULTS

Prepared for:

CRG-E.I.DuPont de Nemours & Co
URS Corporation
1200 Philadelphia Pike
Wilmington DE 19809-2040

302-992-0595

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

December 18, 2009

Project: POM - DELTA UPLANDS

Samples arrived at the laboratory on Thursday, December 03, 2009. The PO# for this group is LBIO-66380 and the release number is LA28294. The group number for this submittal is 1173601.

<u>Client Sample Description</u>	<u>Lancaster Labs (LLI) #</u>
POM-S-536-278(0.0-0.5) Soil Sample	5854103
POM-S-536-279(0.0-0.5) Soil Sample	5854104
POM-S-536-300(0.0-0.5) Soil Sample	5854105
POM-S-536-6D(0.5-1.0) Soil Sample	5854106
POM-S-536-275(1.5-2.0) Soil Sample	5854107
POM-S-536-276(0.0-0.5) Soil Sample	5854108
POM-S-536-290(3.0-3.5) Soil Sample	5854109
POM-S-536-297(1.0-1.5) Soil Sample	5854110
POM-S-536-297(1.0-1.5)-DUP Soil Sample	5854111
POM-S-536-296(3.0-3.5) Soil Sample	5854112
POM-S-536-237(0.0-0.5) Soil Sample	5854113
POM-S-536-275(0.0-0.5) Unspiked Soil Sample	5854114
POM-S-536-275(0.0-0.5)-MS Matrix Spike Soil Sample	5854115
POM-S-536-275(0.0-0.5)-MSD Matrix Spike Dup Soil	5854116
POM-S-536-275(0.0-0.5) Duplicate Soil Sample	5854117
POM-K-536-EQBLK1 Blank Water Sample	5854118
POM-K-536-EQBLK2 Blank Water Sample	5854119

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

ELECTRONIC COPY TO
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1 COPY TO

URS Corporation
LLI
Data Package Group

Attn: George Nemeth

Attn: EDD Group

Questions? Contact your Client Services Representative
Nancy J Bornholm at (717) 656-2300

Respectfully Submitted,



Max E. Snavelly
Senior Specialist

Sample Description: POM-S-536-278(0.0-0.5) Soil Sample
DELTA UPLANDS 11/30/09

LLI Sample # SW 5854103
LLI Group # 1173601
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/01/2009 14:23 by GN

Account Number: 07032

Submitted: 12/03/2009 09:00

CRG-E.I.DuPont de Nemours & Co

Reported: 12/18/2009 at 14:31

URS Corporation

Discard: 01/18/2010

1200 Philadelphia Pike

Wilmington DE 19809-2040

PD278 SDG#: DLN17-01

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals			SW-846 6010B	mg/kg	mg/kg	mg/kg
06955	Lead	7439-92-1	126	1.06	2.66	1
	The matrix spike and matrix spike duplicate were out of specification for lead. The recovery of the post digestion spike performed on the background sample was 92%.					
06936	Selenium	7782-49-2	4.23	1.74	3.54	1
Wet Chemistry			SM20 2540 G	%	%	%
00111	Moisture	n.a.	44.1	0.50	0.50	1
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.					

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	093415708005	12/17/2009 10:50	Joanne M Gates	1
06936	Selenium	SW-846 6010B	1	093415708005	12/13/2009 11:33	Damary Valentin	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	093415708005	12/08/2009 09:15	Denise K Connors	1
00111	Moisture	SM20 2540 G	1	09338820003B	12/04/2009 15:54	Scott W Freisher	1



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-279(0.0-0.5) Soil Sample
DELTA UPLANDS 11/30/09

LLI Sample # SW 5854104
LLI Group # 1173601
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/01/2009 14:44 by GN

Account Number: 07032

Submitted: 12/03/2009 09:00

CRG-E.I.DuPont de Nemours & Co

Reported: 12/18/2009 at 14:31

URS Corporation

Discard: 01/18/2010

1200 Philadelphia Pike

Wilmington DE 19809-2040

PD279 SDG#: DLN17-02

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010B	mg/kg	mg/kg	mg/kg	
06955	Lead	7439-92-1	324	2.88	7.21	1
	The matrix spike and matrix spike duplicate were out of specification for lead. The recovery of the post digestion spike performed on the background sample was 92%.					
06936	Selenium	7782-49-2	7.68 J	4.71	9.61	1
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	79.8	0.50	0.50	1
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.					

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	093415708005	12/17/2009 10:54	Joanne M Gates	1
06936	Selenium	SW-846 6010B	1	093415708005	12/13/2009 11:37	Damary Valentin	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	093415708005	12/08/2009 09:15	Denise K Connors	1
00111	Moisture	SM20 2540 G	1	09338820003B	12/04/2009 15:54	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: POM-S-536-300(0.0-0.5) Soil Sample
DELTA UPLANDS 11/30/09

LLI Sample # SW 5854105
LLI Group # 1173601
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/01/2009 15:13 by GN

Account Number: 07032

Submitted: 12/03/2009 09:00

CRG-E.I.DuPont de Nemours & Co

Reported: 12/18/2009 at 14:31

URS Corporation

Discard: 01/18/2010

1200 Philadelphia Pike

Wilmington DE 19809-2040

PD300 SDG#: DLN17-03

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals			SW-846 6010B	mg/kg	mg/kg	mg/kg
06955	Lead	7439-92-1	165	1.67	4.18	1
	The matrix spike and matrix spike duplicate were out of specification for lead. The recovery of the post digestion spike performed on the background sample was 92%.					
06936	Selenium	7782-49-2	10.0	2.73	5.58	1
Wet Chemistry			SM20 2540 G	%	%	%
00111	Moisture	n.a.	64.5	0.50	0.50	1
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.					

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	093415708005	12/17/2009 11:03	Joanne M Gates	1
06936	Selenium	SW-846 6010B	1	093415708005	12/13/2009 11:47	Damary Valentin	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	093415708005	12/08/2009 09:15	Denise K Connors	1
00111	Moisture	SM20 2540 G	1	09338820003B	12/04/2009 15:54	Scott W Freisher	1



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-6D(0.5-1.0) Soil Sample
DELTA UPLANDS 11/30/09

LLI Sample # SW 5854106
LLI Group # 1173601
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/01/2009 15:35 by GN

Account Number: 07032

Submitted: 12/03/2009 09:00

CRG-E.I.DuPont de Nemours & Co

Reported: 12/18/2009 at 14:31

URS Corporation

Discard: 01/18/2010

1200 Philadelphia Pike

Wilmington DE 19809-2040

PD-6D SDG#: DLN17-04

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010B	mg/kg	mg/kg	mg/kg	
06955	Lead	7439-92-1	272	0.956	2.39	1
	The matrix spike and matrix spike duplicate were out of specification for lead. The recovery of the post digestion spike performed on the background sample was 92%.					
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	38.5	0.50	0.50	1
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.					

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	093415708005	12/17/2009 11:06	Joanne M Gates	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	093415708005	12/08/2009 09:15	Denise K Conners	1
00111	Moisture	SM20 2540 G	1	09338820003B	12/04/2009 15:54	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-275(1.5-2.0) Soil Sample
DELTA UPLANDS 11/30/09

LLI Sample # SW 5854107
LLI Group # 1173601
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/01/2009 16:39 by GN

Account Number: 07032

Submitted: 12/03/2009 09:00

CRG-E.I.DuPont de Nemours & Co

Reported: 12/18/2009 at 14:31

URS Corporation

Discard: 01/18/2010

1200 Philadelphia Pike

Wilmington DE 19809-2040

PD275 SDG#: DLN17-05

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010B	mg/kg	mg/kg	mg/kg	
06955	Lead	7439-92-1	424	0.839	2.10	1
	The matrix spike and matrix spike duplicate were out of specification for lead. The recovery of the post digestion spike performed on the background sample was 92%.					
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	29.2	0.50	0.50	1
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.					

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	093415708005	12/17/2009 11:10	Joanne M Gates	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	093415708005	12/08/2009 09:15	Denise K Conners	1
00111	Moisture	SM20 2540 G	1	09338820003B	12/04/2009 15:54	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-276(0.0-0.5) Soil Sample
DELTA UPLANDS 11/30/09

LLI Sample # SW 5854108
LLI Group # 1173601
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/01/2009 16:55 by GN

Account Number: 07032

Submitted: 12/03/2009 09:00

CRG-E.I.DuPont de Nemours & Co

Reported: 12/18/2009 at 14:31

URS Corporation

Discard: 01/18/2010

1200 Philadelphia Pike

Wilmington DE 19809-2040

PD276 SDG#: DLN17-06

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010B	mg/kg	mg/kg	mg/kg	
06955	Lead	7439-92-1	50.5	0.750	1.88	1
	The matrix spike and matrix spike duplicate were out of specification for lead. The recovery of the post digestion spike performed on the background sample was 92%.					
06936	Selenium	7782-49-2	3.64	1.23	2.50	1
SW-846 7471A						
			mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	5.09	0.137	1.19	10
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	20.0	0.50	0.50	1
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.					

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	093415708005	12/17/2009 11:13	Joanne M Gates	1
06936	Selenium	SW-846 6010B	1	093415708005	12/13/2009 11:57	Damary Valentin	1
00159	Mercury	SW-846 7471A	1	093415711003	12/08/2009 18:43	Nelli S Markaryan	10
05708	SW SW846 ICP Digest	SW-846 3050B	1	093415708005	12/08/2009 09:15	Denise K Conners	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	093415711003	12/08/2009 11:06	Denise K Conners	1
00111	Moisture	SM20 2540 G	1	09338820003B	12/04/2009 15:54	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-290(3.0-3.5) Soil Sample
DELTA UPLANDS 11/30/09

LLI Sample # SW 5854109
LLI Group # 1173601
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/02/2009 10:40 by GN

Account Number: 07032

Submitted: 12/03/2009 09:00

CRG-E.I.DuPont de Nemours & Co

Reported: 12/18/2009 at 14:31

URS Corporation

Discard: 01/18/2010

1200 Philadelphia Pike

Wilmington DE 19809-2040

PD290 SDG#: DLN17-07

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010B	mg/kg	mg/kg	mg/kg	
06955	Lead	7439-92-1	235	0.910	2.27	1
	The matrix spike and matrix spike duplicate were out of specification for lead. The recovery of the post digestion spike performed on the background sample was 92%.					
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	34.7	0.50	0.50	1
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.					

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	093415708005	12/17/2009 11:16	Joanne M Gates	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	093415708005	12/08/2009 09:15	Denise K Connors	1
00111	Moisture	SM20 2540 G	1	09338820003B	12/04/2009 15:54	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-297(1.0-1.5) Soil Sample
DELTA UPLANDS 11/30/09

LLI Sample # SW 5854110
LLI Group # 1173601
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/02/2009 11:42 by GN

Account Number: 07032

Submitted: 12/03/2009 09:00
Reported: 12/18/2009 at 14:31
Discard: 01/18/2010

CRG-E.I.DuPont de Nemours & Co
URS Corporation
1200 Philadelphia Pike
Wilmington DE 19809-2040

PD297 SDG#: DLN17-08

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010B	mg/kg	mg/kg	mg/kg	
06955	Lead	7439-92-1	8.79	0.676	1.69	1
	The matrix spike and matrix spike duplicate were out of specification for lead. The recovery of the post digestion spike performed on the background sample was 92%.					
		SW-846 7471A	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.0639 J	0.0126	0.109	1
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	14.7	0.50	0.50	1
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.					

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	093415708005	12/17/2009 11:19	Joanne M Gates	1
00159	Mercury	SW-846 7471A	1	093415711003	12/08/2009 18:22	Nelli S Markaryan	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	093415708005	12/08/2009 09:15	Denise K Conners	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	093415711003	12/08/2009 11:06	Denise K Conners	1
00111	Moisture	SM20 2540 G	1	09338820003B	12/04/2009 15:54	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-297(1.0-1.5)-DUP Soil Sample
DELTA UPLANDS 11/30/09

LLI Sample # SW 5854111
LLI Group # 1173601
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/02/2009 11:42 by GN

Account Number: 07032

Submitted: 12/03/2009 09:00
Reported: 12/18/2009 at 14:31
Discard: 01/18/2010

CRG-E.I.DuPont de Nemours & Co
URS Corporation
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Wilmington DE 19809-2040

PD97D SDG#: DLN17-09FD

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010B	mg/kg	mg/kg	mg/kg	
06955	Lead	7439-92-1	4.96	0.750	1.88	1
	The matrix spike and matrix spike duplicate were out of specification for lead. The recovery of the post digestion spike performed on the background sample was 92%.					
		SW-846 7471A	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.187	0.0136	0.118	1
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	20.0	0.50	0.50	1
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.					

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	093415708005	12/17/2009 11:22	Joanne M Gates	1
00159	Mercury	SW-846 7471A	1	093415711003	12/08/2009 18:24	Nelli S Markaryan	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	093415708005	12/08/2009 09:15	Denise K Conners	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	093415711003	12/08/2009 11:06	Denise K Conners	1
00111	Moisture	SM20 2540 G	1	09338820003B	12/04/2009 15:54	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-296(3.0-3.5) Soil Sample
DELTA UPLANDS 11/30/09

LLI Sample # SW 5854112
LLI Group # 1173601
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/02/2009 14:46 by GN

Account Number: 07032

Submitted: 12/03/2009 09:00

CRG-E.I.DuPont de Nemours & Co

Reported: 12/18/2009 at 14:31

URS Corporation

Discard: 01/18/2010

1200 Philadelphia Pike

Wilmington DE 19809-2040

PD296 SDG#: DLN17-10

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010B	mg/kg	mg/kg	mg/kg	
06955	Lead	7439-92-1	324	1.34	3.36	1
	The matrix spike and matrix spike duplicate were out of specification for lead. The recovery of the post digestion spike performed on the background sample was 92%.					
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	56.6	0.50	0.50	1
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.					

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	093415708005	12/17/2009 11:26	Joanne M Gates	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	093415708005	12/08/2009 09:15	Denise K Conners	1
00111	Moisture	SM20 2540 G	1	09338820003B	12/04/2009 15:54	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-237(0.0-0.5) Soil Sample
DELTA UPLANDS 11/30/09

LLI Sample # SW 5854113
LLI Group # 1173601
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/02/2009 13:49 by GN

Account Number: 07032

Submitted: 12/03/2009 09:00
Reported: 12/18/2009 at 14:31
Discard: 01/18/2010

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1200 Philadelphia Pike
Wilmington DE 19809-2040

PD237 SDG#: DLN17-11

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010B	mg/kg	mg/kg	mg/kg	
06955	Lead	7439-92-1	212	0.680	1.70	1
	The matrix spike and matrix spike duplicate were out of specification for lead. The recovery of the post digestion spike performed on the background sample was 92%.					
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	15.1	0.50	0.50	1
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.					

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	093415708005	12/17/2009 11:29	Joanne M Gates	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	093415708005	12/08/2009 09:15	Denise K Connors	1
00111	Moisture	SM20 2540 G	1	09338820003B	12/04/2009 15:54	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: POM-S-536-275(0.0-0.5) Unspiked Soil Sample
DELTA UPLANDS 11/30/09

LLI Sample # SW 5854114
LLI Group # 1173601
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/02/2009 16:17 by GN

Account Number: 07032

Submitted: 12/03/2009 09:00

CRG-E.I.DuPont de Nemours & Co

Reported: 12/18/2009 at 14:31

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Discard: 01/18/2010

1200 Philadelphia Pike

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P-275 SDG#: DLN17-12BKG

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010B	mg/kg	mg/kg	mg/kg	
06955	Lead	7439-92-1	302	5.24	13.1	5
	The matrix spike and matrix spike duplicate were out of specification for lead. The recovery of the post digestion spike performed on the background sample was 92%.					
06936	Selenium	7782-49-2	12.8	1.71	3.49	1
SW-846 7471A						
			mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	22.9	1.00	8.71	50
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	44.4	0.50	0.50	1
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.					

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	093415708005	12/17/2009 10:31	Joanne M Gates	5
06936	Selenium	SW-846 6010B	1	093415708005	12/13/2009 11:11	Damary Valentin	1
00159	Mercury	SW-846 7471A	1	093415711003	12/08/2009 18:36	Nelli S Markaryan	50
05708	SW SW846 ICP Digest	SW-846 3050B	1	093415708005	12/08/2009 09:15	Denise K Conners	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	093415711003	12/08/2009 11:06	Denise K Conners	1
00111	Moisture	SM20 2540 G	1	09338820003B	12/04/2009 15:54	Scott W Freisher	1

Sample Description: POM-S-536-275(0.0-0.5)-MS Matrix Spike Soil Sample
DELTA UPLANDS 11/30/09

LLI Sample # SW 5854115
LLI Group # 1173601
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/02/2009 16:17 by GN

Account Number: 07032

Submitted: 12/03/2009 09:00

CRG-E.I.DuPont de Nemours & Co

Reported: 12/18/2009 at 14:31

URS Corporation

Discard: 01/18/2010

1200 Philadelphia Pike

Wilmington DE 19809-2040

P-275 SDG#: DLN17-12MS

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010B	mg/kg	mg/kg	mg/kg	
06955	Lead	7439-92-1	304	5.24	13.1	5
	The matrix spike and matrix spike duplicate were out of specification for lead. The recovery of the post digestion spike performed on the background sample was 92%.					
06936	Selenium	7782-49-2	41.0	1.71	3.49	1
SW-846 7471A						
			mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	28.0	1.00	8.75	50
Wet Chemistry						
		SM20 2540 G	%	%	%	
00118	Moisture	n.a.	44.4	0.50	0.50	1

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	093415708005	12/17/2009 10:41	Joanne M Gates	5
06936	Selenium	SW-846 6010B	1	093415708005	12/13/2009 11:22	Damary Valentin	1
00159	Mercury	SW-846 7471A	1	093415711003	12/08/2009 18:40	Nelli S Markaryan	50
05708	SW SW846 ICP Digest	SW-846 3050B	1	093415708005	12/08/2009 09:15	Denise K Conners	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	093415711003	12/08/2009 11:06	Denise K Conners	1
00118	Moisture	SM20 2540 G	1	09338820003B	12/04/2009 15:54	Scott W Freisher	1

Sample Description: POM-S-536-275(0.0-0.5)-MSD Matrix Spike Dup Soil
 Sample
 DELTA UPLANDS 11/30/09

LLI Sample # SW 5854116
 LLI Group # 1173601
 NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/02/2009 16:17 by GN

Account Number: 07032

Submitted: 12/03/2009 09:00
 Reported: 12/18/2009 at 14:31
 Discard: 01/18/2010

CRG-E.I.DuPont de Nemours & Co
 URS Corporation
 1200 Philadelphia Pike
 Wilmington DE 19809-2040

P-275 SDG#: DLN17-12MSD

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals			SW-846 6010B	mg/kg	mg/kg	mg/kg
06955	Lead	7439-92-1	284	5.24	13.1	5
The matrix spike and matrix spike duplicate were out of specification for lead. The recovery of the post digestion spike performed on the background sample was 92%.						
06936	Selenium	7782-49-2	38.0	1.71	3.49	1
			SW-846 7471A	mg/kg	mg/kg	mg/kg
00159	Mercury	7439-97-6	29.6	1.01	8.80	50
Wet Chemistry			SM20 2540 G	%	%	%
00118	Moisture	n.a.	44.4	0.50	0.50	1

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	093415708005	12/17/2009 10:44	Joanne M Gates	5
06936	Selenium	SW-846 6010B	1	093415708005	12/13/2009 11:26	Damary Valentin	1
00159	Mercury	SW-846 7471A	1	093415711003	12/08/2009 18:42	Nelli S Markaryan	50
05708	SW SW846 ICP Digest	SW-846 3050B	1	093415708005	12/08/2009 09:15	Denise K Conners	1
05711	SW SW846 Hg Digest	SW-846 7471A	1	093415711003	12/08/2009 11:06	Denise K Conners	1
00118	Moisture	SM20 2540 G	1	09338820003B	12/04/2009 15:54	Scott W Freisher	1

Sample Description: POM-S-536-275(0.0-0.5) Duplicate Soil Sample
DELTA UPLANDS 11/30/09

LLI Sample # SW 5854117
LLI Group # 1173601
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/02/2009 16:17 by GN

Account Number: 07032

Submitted: 12/03/2009 09:00

CRG-E.I.DuPont de Nemours & Co

Reported: 12/18/2009 at 14:31

URS Corporation

Discard: 01/18/2010

1200 Philadelphia Pike

Wilmington DE 19809-2040

P-275 SDG#: DLN17-12DUP

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010B	mg/kg	mg/kg	mg/kg	
06955	Lead	7439-92-1	185	5.34	13.4	5
	The matrix spike and matrix spike duplicate were out of specification for lead. The recovery of the post digestion spike performed on the background sample was 92%.					
06936	Selenium	7782-49-2	N.D.	8.73	17.8	5
SW-846 7471A						
			mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	26.3	1.03	8.93	50
Wet Chemistry						
		SM20 2540 G	%	%	%	
00118	Moisture	n.a.	44.4	0.50	0.50	1
00121	Moisture Duplicate	n.a.	45.6	0.50	0.50	1
	The duplicate moisture value is provided to assess the precision of the moisture test. For comparability purposes, the initial moisture determination is the value used to perform dry weight calculations.					

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	093415708005	12/17/2009 10:38	Joanne M Gates	5
06936	Selenium	SW-846 6010B	1	093415708005	12/17/2009 10:38	Joanne M Gates	5
00159	Mercury	SW-846 7471A	1	093415711003	12/08/2009 18:37	Nelli S Markaryan	50
05708	SW SW846 ICP Digest	SW-846 3050B	1	093415708005	12/08/2009 09:15	Denise K Conners	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	093415711003	12/08/2009 11:06	Denise K Conners	1
00118	Moisture	SM20 2540 G	1	09338820003B	12/04/2009 15:54	Scott W Freisher	1
00121	Moisture Duplicate	SM20 2540 G	1	09338820003B	12/04/2009 15:54	Scott W Freisher	1



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-K-536-EQBLK1 Blank Water Sample
DELTA UPLANDS 11/30/09

LLI Sample # WW 5854118
LLI Group # 1173601
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/01/2009 16:45 by GN

Account Number: 07032

Submitted: 12/03/2009 09:00
Reported: 12/18/2009 at 14:31
Discard: 01/18/2010

CRG-E.I.DuPont de Nemours & Co
URS Corporation
1200 Philadelphia Pike
Wilmington DE 19809-2040

PDEB1 SDG#: DLN17-13EB

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010B	mg/l	mg/l	mg/l	
07055	Lead	7439-92-1	N.D.	0.0069	0.0150	1
07036	Selenium	7782-49-2	N.D.	0.0089	0.0200	1
		SW-846 7470A	mg/l	mg/l	mg/l	
00259	Mercury	7439-97-6	N.D.	0.000056	0.00020	1

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	093385705003	12/14/2009 05:40	Tara L Snyder	1
07036	Selenium	SW-846 6010B	1	093385705003	12/07/2009 23:58	John W Yanzuk II	1
00259	Mercury	SW-846 7470A	1	093385713006	12/08/2009 07:52	Damary Valentin	1
05705	WW/TL SW 846 ICP Digest (tot)	SW-846 3010A	1	093385705003	12/04/2009 20:45	Mirit S Shenouda	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	093385713006	12/04/2009 20:45	Mirit S Shenouda	1

*=This limit was used in the evaluation of the final result

Sample Description: POM-K-536-EQBLK2 Blank Water Sample
DELTA UPLANDS 11/30/09

LLI Sample # WW 5854119
LLI Group # 1173601
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/02/2009 16:25 by GN

Account Number: 07032

Submitted: 12/03/2009 09:00

CRG-E.I.DuPont de Nemours & Co

Reported: 12/18/2009 at 14:31

URS Corporation

Discard: 01/18/2010

1200 Philadelphia Pike

Wilmington DE 19809-2040

PDEB2 SDG#: DLN17-14EB*

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals						
	SW-846 6010B		mg/l	mg/l	mg/l	
07055	Lead	7439-92-1	N.D.	0.0069	0.0150	1
07036	Selenium	7782-49-2	N.D.	0.0089	0.0200	1
	SW-846 7470A		mg/l	mg/l	mg/l	
00259	Mercury	7439-97-6	N.D.	0.000056	0.00020	1

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	093385705003	12/14/2009 05:43	Tara L Snyder	1
07036	Selenium	SW-846 6010B	1	093385705003	12/08/2009 00:01	John W Yanzuk II	1
00259	Mercury	SW-846 7470A	1	093385713006	12/08/2009 07:53	Damary Valentin	1
05705	WW/TL SW 846 ICP Digest (tot)	SW-846 3010A	1	093385705003	12/04/2009 20:45	Mirit S Shenouda	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	093385713006	12/04/2009 20:45	Mirit S Shenouda	1

Quality Control Summary

 Client Name: CRG-E.I.DuPont de Nemours & Co
 Reported: 12/18/09 at 02:31 PM

Group Number: 1173601

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: 093385705003	Sample number(s): 5854118-5854119								
Lead	N.D.	0.0069	0.0150	mg/l	101		80-120		
Selenium	N.D.	0.0089	0.0200	mg/l	105		80-120		
Batch number: 093385713006	Sample number(s): 5854118-5854119								
Mercury	N.D.	0.00005	0.00020	mg/l	99		80-120		
		6							
Batch number: 093415708005	Sample number(s): 5854103-5854117								
Lead	N.D.	0.588	1.47	mg/kg	102		85-114		
Selenium	N.D.	0.961	1.96	mg/kg	100		90-109		
Batch number: 093415711003	Sample number(s): 5854108,5854110-5854111,5854114-5854117								
Mercury	N.D.	0.0112	0.0975	mg/kg	105		66-135		
Batch number: 09338820003B	Sample number(s): 5854103-5854117								
Moisture					100		99-101		
Moisture					100		99-101		
Moisture Duplicate					100		99-101		

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
 Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>RPD MAX</u>	<u>BKG Conc</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>
Batch number: 093385705003	Sample number(s): 5854118-5854119 UNSPK: P853015 BKG: P853015								
Lead	100	98	75-125	2	20	N.D.	N.D.	0 (1)	20
Selenium	104	103	75-125	1	20	N.D.	N.D.	0 (1)	20
Batch number: 093385713006	Sample number(s): 5854118-5854119 UNSPK: P853163 BKG: P853163								
Mercury	103	107	80-120	4	20	N.D.	N.D.	0 (1)	20
Batch number: 093415708005	Sample number(s): 5854103-5854117 UNSPK: 5854114 BKG: 5854114								
Lead	7 (2)	-69 (2)	75-125	7	20	168	103	48*	20
Selenium	114	93	75-125	14	20	7.13 J	N.D.	200* (1)	20
Batch number: 093415711003	Sample number(s): 5854108,5854110-5854111,5854114-5854117 UNSPK: 5854114 BKG: 5854114								
Mercury	1729 (2)	2279 (2)	80-120	6	20	12.8	14.6	14 (1)	20

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/18/09 at 02:31 PM

Group Number: 1173601

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup RPD</u> <u>Max</u>
Batch number: 09338820003B	Sample number(s): 5854103-5854117				BKG: 5854114			
Moisture					44.4	45.6	3	15
Moisture					44.4	45.6	3	15
Moisture Duplicate					44.4	45.6	3	15

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.



Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only

Group No.: 1173601 Sample Nos.: 5854103-19
 Acc't: 07032 SCR No.: 84053 Cooler No.: C16122 14722
 Cooler Temperature upon receipt: 2.6°C °C Container No.: 1

Facility Name: Pompton Lakes				Project Manager: Marj Vetter				Analyses Required					Comments:					
Facility Contact: George Nemeth				Facility Contact Phone No.:														
Facility Address: Pompton Lakes Works				Job No.: 9267-7720100C-WH06507028				Moisture (SM20 2540 G)					Condition upon receipt:					
2000 Cannonball Road				Release No.: LA28294														
Pompton Lakes NJ 07442				PO Number: LBIO-66380														
Sampler(s): <u>George Nemeth / Dan Youngblood</u>				Project Name: DELTA UPLANDS 11/30/09														
Sample Identification	Date Collected	Time Collected	Matrix	Containers			Moisture	Cu (6010)	Pb (6010)	Se (6010)	Hg (7471)							
				Volume (ml)	Preserv	No.												
POM-S-536- <u>278 (0.0-0.5)</u>	<u>12-1-09</u>	<u>1423</u>	SW	125	None	1	X	X	X									
POM-S-536- <u>279 (0.0-0.5)</u>		<u>1444</u>	SW	125	None	1	X	X	X									
POM-S-536- <u>300 (0.0-0.5)</u>		<u>1513</u>	SW	125	None	1	X	X	X									
POM-S-536- <u>6D (0.5-1.0)</u>		<u>1535</u>	SW	125	None	1	X	X										
POM-S-536- <u>275 (1.5-2.0)</u>		<u>1639</u>	SW	125	None	1	X	X										
POM-S-536- <u>276 (0.0-0.5)</u>	↓	<u>1655</u>	SW	125	None	1	X	X	X									
POM-S-536- <u>290 (3.0-3.5)</u>	<u>12-2-09</u>	<u>1040</u>	SW	125	None	1	X	X										
POM-S-536- <u>297 (1.0-1.5)</u>		<u>1142</u>	SW	125	None	1	X	X		X								
POM-S-536- <u>297 (1.0-1.5) DUP</u>		<u>1142</u>	SW	125	None	1	X	X		X								
POM-S-536- <u>296 (3.0-3.5)</u>		<u>1446</u>	SW	125	None	1	X	X										
POM-S-536- <u>237 (0.0-0.5)</u>	↓	<u>1349</u>	SW	125	None	1	X	X										
Turnaround Time Requested (please circle): <u>Normal</u> Rush Number of days: _____							Special Instructions:											
Bottles Relinquished by: <u>George Nemeth</u>				Date: <u>12-2-09</u>		Time: <u>1700</u>		Bottles Received by:				Date:	Time:					
Bottles Relinquished by:				Date:		Time:		Bottles Received by:				Date:	Time:					
Bottles Relinquished by:				Date:		Time:		Bottles Received by:				Date:	Time:					
Bottles Relinquished by:				Date:		Time:		Bottles Received by: <u>[Signature]</u>				Date: <u>12/3/09</u>	Time: <u>0900</u>					



Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only

Group No.: 1173601 Sample Nos.: 5854103-19
 Acc't: 07032 SCR No.: 84053 Cooler No.: C17534 14723
 Cooler Temperature upon receipt: 2.6°C °C Container No.: 1

Facility Name: Pompton Lakes		Project Manager: Marj Vetter		Analyses Required										Comments: <div style="text-align: center; font-size: 2em; font-family: cursive;">[Signature]</div> Condition upon receipt:								
Facility Contact: George Nemeth		Facility Contact Phone No.: 973-492-7735		SM20 2540 G Moisture (6010) Cu (6010) Pb (6010) Se (6010) Hg (7471)																		
Facility Address: Pompton Lakes Works		Job No.: 9267-7720100C-WH06507028																				
2000 Cannonball Road		Release No.: LA28294																				
Pompton Lakes NJ 07442		PO Number: LBIO-66380																				
Sampler(s): <u>George Nemeth / Dan Youngblood</u>		Project Name: DELTA UPLANDS 11/30/09																				
Sample Identification	Date Collected	Time Collected	Matrix	Containers			Moisture	Cu	Pb	Se	Hg											
				Volume (ml)	Preserv	No.																
POM-S-536- <u>275 (0.0-0.5) -MS</u>	<u>12/2/09</u>	<u>1617</u>	SW	125	None	1	X	X	X	X												
POM-S-536- <u>275 (0.0-0.5) -MSD</u>	↓	↓	SW	125	None	1	X	X	X	X												
POM-S-536- <u>275 (0.0-0.5) MSD</u>	↓	↓	SW	125	None	1	X	X	X	X												
POM-K-536-EQBLK2	<u>12-2-09</u>	<u>1625</u>	WW	500	HNO3	1		X	X	X												
<u>POM-K-536-EQBLK1</u>	<u>12-1-09</u>	<u>1645</u>	WW	500	HNO3	1		X	X	X												
POM-S-536-275 (0.0-0.5)	12-2-09	1547	SW	125		1	X	X	X	X												
Turnaround Time Requested (please circle): <u>Normal</u> Rush Number of days: _____							Special Instructions:															
Bottles Relinquished by: <u>George Nemeth</u>		Date: <u>12/2/09</u>	Time: <u>1700</u>	Bottles Received by:							Date:	Time:										
Bottles Relinquished by:		Date:	Time:	Bottles Received by:							Date:	Time:										
Bottles Relinquished by:		Date:	Time:	Bottles Received by:							Date:	Time:										
Bottles Relinquished by:		Date:	Time:	Bottles Received by: <u>[Signature]</u>							Date: <u>12/3/09</u>	Time: <u>0900</u>										

Environmental Sample Administration Receipt Documentation Log

Client/Project: Dupont
 Date of Receipt: 12/03/09
 Time of Receipt: 0900
 Source Code: 50
 Unpacker Emp. No.: TH1209

Shipping Container Sealed: YES NO
 Custody Seal Present * : YES NO

* Custody seal was intact unless otherwise noted in the discrepancy section

Package: Chilled Not Chilled

Temperature of Shipping Containers

Cooler #	Thermometer ID	Temperature (°C)	Temp Bottle (TB) or Surface Temp (ST)	Wet Ice (WI) or Dry Ice (DI) or Ice Packs (IP)	Ice Present? Y/N	Loose (L) Bagged Ice (B) or NA	Comments
1	0429951	2.6°C	TB	WI	Y	B	
2	↓	1.3°C	↓	↓	↓	↓	
3	↓	5.8°C	↓	↓	↓	↓	
4	/						
5	/						
6	/						

Number of Trip Blanks received NOT listed on chain of custody. _____

Paperwork Discrepancy/Unpacking Problems:

435g (1.0-1.5) on COE Soap 435g (0.0-0.5) on Bottle,
Recd 3 Bottles (0892 435) for Pom 334 - SB1k1 9g (Times match.
SB1k2 (COC 14722)

Sample Administration Internal Chain of Custody

Name	Date	Time	Reason for Transfer
<i>[Signature]</i>	12/3/09	1530	Unpacking to Storage
<i>Ammy Deland</i>	12/3/09	1630	Place in Storage or <input checked="" type="radio"/> Entry
			Entry
			Entry

Lancaster Laboratories Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

N.D.	none detected	BMQL	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	MPN	Most Probable Number
IU	International Units	CP Units	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	NTU	nephelometric turbidity units
C	degrees Celsius	F	degrees Fahrenheit
Cal	(diet) calories	lb.	pound(s)
meq	milliequivalents	kg	kilogram(s)
g	gram(s)	mg	milligram(s)
ug	microgram(s)	l	liter(s)
ml	milliliter(s)	ul	microliter(s)
m3	cubic meter(s)	fib >5 um/ml	fibers greater than 5 microns in length per ml
<	less than – The number following the sign is the <u>limit of quantitation</u> , the smallest amount of analyte which can be reliably determined using this specific test.		
>	greater than		
ppm	parts per million – One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.		
ppb	parts per billion		
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture.		

U.S. EPA data qualifiers:

Organic Qualifiers

A	TIC is a possible aldol-condensation product
B	Analyte was also detected in the blank
C	Pesticide result confirmed by GC/MS
D	Compound quantitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
J	Estimated value
N	Presumptive evidence of a compound (TICs only)
P	Concentration difference between primary and confirmation columns >25%
U	Compound was not detected
X,Y,Z	Defined in case narrative

Inorganic Qualifiers

B	Value is <CRDL, but ≥IDL
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike amount not within control limits
S	Method of standard additions (MSA) used for calculation
U	Compound was not detected
W	Post digestion spike out of control limits
*	Duplicate analysis not within control limits
+	Correlation coefficient for MSA <0.995

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

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ANALYTICAL RESULTS

Prepared for:

CRG-E.I.DuPont de Nemours & Co
URS Corporation
1200 Philadelphia Pike
Wilmington DE 19809-2040

302-992-0595

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

January 08, 2010

Project: POM - DELTA UPLANDS

Samples arrived at the laboratory on Friday, December 04, 2009. The PO# for this group is LBIO-66380 and the release number is LA28294. The group number for this submittal is 1173905.

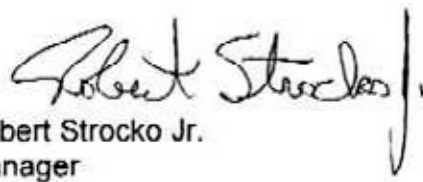
<u>Client Sample Description</u>	<u>Lancaster Labs (LLI) #</u>
POM-S-536-25D(0.0-0.5) Soil Sample	5856168
POM-S-536-235(0.0-0.5) Soil Sample	5856169
POM-S-536-265(0.0-0.5) Soil Sample	5856170
POM-S-536-262(0.0-0.5) Soil Sample	5856171
POM-S-536-264(0.0-0.5) Soil Sample	5856172
POM-S-536-291(1.0-1.5) Soil Sample	5856173
POM-S-536-273(1.5-2.0) Soil Sample	5856174
POM-S-536-273(0.0-0.5) Soil Sample	5856175
POM-S-536-274(1.5-2.0) Soil Sample	5856176
POM-S-536-276(1.5-2.0) Soil Sample	5856177
POM-S-536-286(1.0-1.5) Soil Sample	5856178
POM-S-536-286(3.0-3.5) Soil Sample	5856179
POM-S-536-299(0.0-0.5) Soil Sample	5856180
POM-S-536-299(0.0-0.5)-DUP Soil Sample	5856181
POM-S-536-50D(0.5-1.0) Soil Sample	5856182
POM-S-536-287(1.0-1.5) Soil Sample	5856183
POM-S-536-287(2.0-2.5) Soil Sample	5856184
POM-S-536-287(3.0-3.5) Soil Sample	5856185
POM-K-536-EQBLK3 Blank Water Sample	5856186
POM-K-536-EQBLK4 Blank Water Sample	5856187

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

ELECTRONIC COPY TO	URS Corporation	Attn: George Nemeth
ELECTRONIC COPY TO	LLI	Attn: EDD Group
1 COPY TO	Data Package Group	

Questions? Contact your Client Services Representative
Nancy J Bornholm at (717) 656-2300

Respectfully Submitted,



Robert Strocko Jr.
Manager



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-25D(0.0-0.5) Soil Sample
DELTA UPLANDS 11/30/09

LLI Sample # SW 5856168
LLI Group # 1173905
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/03/2009 10:12 by GN

Account Number: 07032

Submitted: 12/04/2009 18:27
Reported: 01/08/2010 at 16:40
Discard: 02/08/2010

CRG-E.I.DuPont de Nemours & Co
URS Corporation
1200 Philadelphia Pike
Wilmington DE 19809-2040

25D-0 SDG#: DLN19-01

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010B	mg/kg	mg/kg	mg/kg	
06955	Lead	7439-92-1	99.0	0.697	1.74	1
	The matrix spike and matrix spike duplicate were out of specification for lead. The recovery of the post digestion spike performed on the background sample was 87%.					
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	14.8	0.50	0.50	1
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.					

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	093445708004	12/14/2009 23:41	John W Yanzuk II	1
05708	SW SW846 ICP Digest	SW-846 3050A	1	093445708004	12/10/2009 21:35	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	09343820006A	12/09/2009 16:07	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-235(0.0-0.5) Soil Sample
DELTA UPLANDS 11/30/09

LLI Sample # SW 5856169
LLI Group # 1173905
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/03/2009 10:37 by GN

Account Number: 07032

Submitted: 12/04/2009 18:27
Reported: 01/08/2010 at 16:40
Discard: 02/08/2010

CRG-E.I.DuPont de Nemours & Co
URS Corporation
1200 Philadelphia Pike
Wilmington DE 19809-2040

235-0 SDG#: DLN19-02

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010B	mg/kg	mg/kg	mg/kg	
06955	Lead	7439-92-1	234	0.758	1.89	1
	The matrix spike and matrix spike duplicate were out of specification for lead. The recovery of the post digestion spike performed on the background sample was 87%.					
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	20.8	0.50	0.50	1
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.					

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	093445708004	12/14/2009 23:43	John W Yanzuk II	1
05708	SW SW846 ICP Digest	SW-846 3050A	1	093445708004	12/10/2009 21:35	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	09343820006A	12/09/2009 16:07	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-265(0.0-0.5) Soil Sample
DELTA UPLANDS 11/30/09

LLI Sample # SW 5856170
LLI Group # 1173905
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/03/2009 13:18 by GN

Account Number: 07032

Submitted: 12/04/2009 18:27
Reported: 01/08/2010 at 16:40
Discard: 02/08/2010

CRG-E.I.DuPont de Nemours & Co
URS Corporation
1200 Philadelphia Pike
Wilmington DE 19809-2040

265-0 SDG#: DLN19-03

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 7471A	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	3.23	0.142	1.24	10
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	20.3	0.50	0.50	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.						

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	093485711004	12/15/2009 19:49	Nelli S Markaryan	10
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	093485711004	12/15/2009 10:30	Denise K Connors	1
00111	Moisture	SM20 2540 G	1	09343820006A	12/09/2009 16:07	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-262(0.0-0.5) Soil Sample
DELTA UPLANDS 11/30/09

LLI Sample # SW 5856171
LLI Group # 1173905
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/03/2009 13:15 by GN

Account Number: 07032

Submitted: 12/04/2009 18:27
Reported: 01/08/2010 at 16:40
Discard: 02/08/2010

CRG-E.I.DuPont de Nemours & Co
URS Corporation
1200 Philadelphia Pike
Wilmington DE 19809-2040

262-0 SDG#: DLN19-04

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 7471A	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	7.17	0.267	2.33	20
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	19.4	0.50	0.50	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.						

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	093485711004	12/15/2009 19:57	Nelli S Markaryan	20
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	093485711004	12/15/2009 10:30	Denise K Connors	1
00111	Moisture	SM20 2540 G	1	09343820006A	12/09/2009 16:07	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

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Sample Description: POM-S-536-264(0.0-0.5) Soil Sample
DELTA UPLANDS 11/30/09

LLI Sample # SW 5856172
LLI Group # 1173905
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/03/2009 13:40 by GN

Account Number: 07032

Submitted: 12/04/2009 18:27
Reported: 01/08/2010 at 16:40
Discard: 02/08/2010

CRG-E.I.DuPont de Nemours & Co
URS Corporation
1200 Philadelphia Pike
Wilmington DE 19809-2040

264-0 SDG#: DLN19-05

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 7471A	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	11.8	0.315	2.74	20
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	29.0	0.50	0.50	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.						

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	093485711004	12/15/2009 19:58	Nelli S Markaryan	20
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	093485711004	12/15/2009 10:30	Denise K Connors	1
00111	Moisture	SM20 2540 G	1	09343820006A	12/09/2009 16:07	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: POM-S-536-291(1.0-1.5) Soil Sample
DELTA UPLANDS 11/30/09

LLI Sample # SW 5856173
LLI Group # 1173905
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/03/2009 15:24 by GN

Account Number: 07032

Submitted: 12/04/2009 18:27
Reported: 01/08/2010 at 16:40
Discard: 02/08/2010

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291-1 SDG#: DLN19-06

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010B	mg/kg	mg/kg	mg/kg	
06955	Lead	7439-92-1	189	0.870	2.18	1
	The matrix spike and matrix spike duplicate were out of specification for lead. The recovery of the post digestion spike performed on the background sample was 87%.					
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	32.4	0.50	0.50	1
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.					

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	093445708004	12/14/2009 23:46	John W Yanzuk II	1
05708	SW SW846 ICP Digest	SW-846 3050A	1	093445708004	12/10/2009 21:35	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	09343820006A	12/09/2009 16:07	Scott W Freisher	1



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-273(1.5-2.0) Soil Sample
DELTA UPLANDS 11/30/09

LLI Sample # SW 5856174
LLI Group # 1173905
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/03/2009 15:50 by GN

Account Number: 07032

Submitted: 12/04/2009 18:27
Reported: 01/08/2010 at 16:40
Discard: 02/08/2010

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1200 Philadelphia Pike
Wilmington DE 19809-2040

273-1 SDG#: DLN19-07

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 7471A	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	2.83	0.123	1.08	10
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	8.7	0.50	0.50	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.						

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	093485711004	12/15/2009 20:06	Nelli S Markaryan	10
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	093485711004	12/15/2009 10:30	Denise K Connors	1
00111	Moisture	SM20 2540 G	1	09343820006A	12/09/2009 16:07	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

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Sample Description: POM-S-536-273(0.0-0.5) Soil Sample
DELTA UPLANDS 11/30/09

LLI Sample # SW 5856175
LLI Group # 1173905
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/03/2009 15:45 by GN

Account Number: 07032

Submitted: 12/04/2009 18:27
Reported: 01/08/2010 at 16:40
Discard: 02/08/2010

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URS Corporation
1200 Philadelphia Pike
Wilmington DE 19809-2040

273-0 SDG#: DLN19-08

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
06936	Selenium	SW-846 6010B 7782-49-2	mg/kg N.D.	mg/kg 1.17	mg/kg 2.40	1
00159	Mercury	SW-846 7471A 7439-97-6	mg/kg 3.51	mg/kg 0.137	mg/kg 1.20	10
Wet Chemistry						
00111	Moisture	SM20 2540 G n.a.	% 19.0	% 0.50	% 0.50	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.						

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06936	Selenium	SW-846 6010B	1	093445708004	12/14/2009 23:49	John W Yanzuk II	1
00159	Mercury	SW-846 7471A	1	093485711004	12/15/2009 20:08	Nelli S Markaryan	10
05708	SW SW846 ICP Digest	SW-846 3050A	1	093445708004	12/10/2009 21:35	Annamaria Stipkovits	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	093485711004	12/15/2009 10:30	Denise K Connors	1
00111	Moisture	SM20 2540 G	1	09343820006A	12/09/2009 16:07	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-274(1.5-2.0) Soil Sample
DELTA UPLANDS 11/30/09

LLI Sample # SW 5856176
LLI Group # 1173905
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/03/2009 16:12 by GN

Account Number: 07032

Submitted: 12/04/2009 18:27
Reported: 01/08/2010 at 16:40
Discard: 02/08/2010

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274-1 SDG#: DLN19-09

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010B	mg/kg	mg/kg	mg/kg	
06955	Lead	7439-92-1	5.13	0.692	1.73	1
	The matrix spike and matrix spike duplicate were out of specification for lead. The recovery of the post digestion spike performed on the background sample was 95%.					
		SW-846 7471A	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.0510 J	0.0129	0.112	1
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	13.3	0.50	0.50	1
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.					

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	093645708004	12/31/2009 21:06	John P Hook	1
00159	Mercury	SW-846 7471A	1	093485711004	12/15/2009 19:33	Nelli S Markaryan	1
05708	SW SW846 ICP Digest	SW-846 3050A	1	093645708004	12/30/2009 23:10	Mirit S Shenouda	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	093485711004	12/15/2009 10:30	Denise K Conners	1
00111	Moisture	SM20 2540 G	1	09343820006A	12/09/2009 16:07	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: POM-S-536-276(1.5-2.0) Soil Sample
DELTA UPLANDS 11/30/09

LLI Sample # SW 5856177
LLI Group # 1173905
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/04/2009 08:50 by GN

Account Number: 07032

Submitted: 12/04/2009 18:27
 Reported: 01/08/2010 at 16:40
 Discard: 02/08/2010

CRG-E.I.DuPont de Nemours & Co
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276-1 SDG#: DLN19-10

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
	SW-846 6010B		mg/kg	mg/kg	mg/kg	
06955	Lead	7439-92-1	3.55	0.712	1.78	1
	The matrix spike and matrix spike duplicate were out of specification for lead. The recovery of the post digestion spike performed on the background sample was 87%.					
	SW-846 7471A		mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.0148 J	0.0134	0.117	1
Wet Chemistry						
	SM20 2540 G		%	%	%	
00111	Moisture	n.a.	16.6	0.50	0.50	1
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.					

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	093445708004	12/14/2009 23:52	John W Yanzuk II	1
00159	Mercury	SW-846 7471A	1	093485711004	12/15/2009 19:34	Nelli S Markaryan	1
05708	SW SW846 ICP Digest	SW-846 3050A	1	093445708004	12/10/2009 21:35	Annamaria Stipkovits	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	093485711004	12/15/2009 10:30	Denise K Connors	1
00111	Moisture	SM20 2540 G	1	09343820006A	12/09/2009 16:07	Scott W Freisher	1

Sample Description: POM-S-536-286(1.0-1.5) Soil Sample
DELTA UPLANDS 11/30/09

LLI Sample # SW 5856178
LLI Group # 1173905
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/04/2009 09:34 by GN

Account Number: 07032

Submitted: 12/04/2009 18:27
 Reported: 01/08/2010 at 16:40
 Discard: 02/08/2010

CRG-E.I.DuPont de Nemours & Co
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286-1 SDG#: DLN19-11

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010B	mg/kg	mg/kg	mg/kg	
06955	Lead	7439-92-1	77.6	0.660	1.65	1
	The matrix spike and matrix spike duplicate were out of specification for lead. The recovery of the post digestion spike performed on the background sample was 87%.					
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	11.7	0.50	0.50	1
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.					

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	093445708004	12/14/2009 23:55	John W Yanzuk II	1
05708	SW SW846 ICP Digest	SW-846 3050A	1	093445708004	12/10/2009 21:35	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	09343820006A	12/09/2009 16:07	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: POM-S-536-286(3.0-3.5) Soil Sample
DELTA UPLANDS 11/30/09

LLI Sample # SW 5856179
LLI Group # 1173905
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/04/2009 09:40 by GN

Account Number: 07032

Submitted: 12/04/2009 18:27
 Reported: 01/08/2010 at 16:40
 Discard: 02/08/2010

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286-3 SDG#: DLN19-12

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010B	mg/kg	mg/kg	mg/kg	
06955	Lead	7439-92-1	131	1.49	3.72	1
	The matrix spike and matrix spike duplicate were out of specification for lead. The recovery of the post digestion spike performed on the background sample was 87%.					
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	60.9	0.50	0.50	1
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.					

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	093445708004	12/15/2009 00:03	John W Yanzuk II	1
05708	SW SW846 ICP Digest	SW-846 3050A	1	093445708004	12/10/2009 21:35	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	09343820006A	12/09/2009 16:07	Scott W Freisher	1



Analysis Report

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Sample Description: POM-S-536-299(0.0-0.5) Soil Sample
DELTA UPLANDS 11/30/09

LLI Sample # SW 5856180
LLI Group # 1173905
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/04/2009 10:42 by GN

Account Number: 07032

Submitted: 12/04/2009 18:27
Reported: 01/08/2010 at 16:40
Discard: 02/08/2010

CRG-E.I.DuPont de Nemours & Co
URS Corporation
1200 Philadelphia Pike
Wilmington DE 19809-2040

299-0 SDG#: DLN19-13

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010B	mg/kg	mg/kg	mg/kg	
06936	Selenium	7782-49-2	5.51	1.34	2.74	1
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	29.2	0.50	0.50	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.						

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06936	Selenium	SW-846 6010B	1	093445708004	12/15/2009 00:06	John W Yanzuk II	1
05708	SW SW846 ICP Digest	SW-846 3050A	1	093445708004	12/10/2009 21:35	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	09343820006A	12/09/2009 16:07	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

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Sample Description: POM-S-536-299(0.0-0.5)-DUP Soil Sample
DELTA UPLANDS 11/30/09

LLI Sample # SW 5856181
LLI Group # 1173905
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/04/2009 10:42 by GN

Account Number: 07032

Submitted: 12/04/2009 18:27
Reported: 01/08/2010 at 16:40
Discard: 02/08/2010

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URS Corporation
1200 Philadelphia Pike
Wilmington DE 19809-2040

299FD SDG#: DLN19-14FD

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010B	mg/kg	mg/kg	mg/kg	
06936	Selenium	7782-49-2	4.87	1.31	2.67	1
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	25.8	0.50	0.50	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.						

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06936	Selenium	SW-846 6010B	1	093445708004	12/15/2009 00:09	John W Yanzuk II	1
05708	SW SW846 ICP Digest	SW-846 3050A	1	093445708004	12/10/2009 21:35	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	09343820006A	12/09/2009 16:07	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-50D(0.5-1.0) Soil Sample
DELTA UPLANDS 11/30/09

LLI Sample # SW 5856182
LLI Group # 1173905
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/04/2009 11:20 by GN

Account Number: 07032

Submitted: 12/04/2009 18:27
Reported: 01/08/2010 at 16:40
Discard: 02/08/2010

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50D-0 SDG#: DLN19-15

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 7471A	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.458	0.0128	0.111	1
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	12.2	0.50	0.50	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.						

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	093485711004	12/15/2009 19:36	Nelli S Markaryan	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	093485711004	12/15/2009 10:30	Denise K Connors	1
00111	Moisture	SM20 2540 G	1	09343820006A	12/09/2009 16:07	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-287(1.0-1.5) Soil Sample
DELTA UPLANDS 11/30/09

LLI Sample # SW 5856183
LLI Group # 1173905
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/04/2009 11:58 by GN

Account Number: 07032

Submitted: 12/04/2009 18:27
Reported: 01/08/2010 at 16:40
Discard: 02/08/2010

CRG-E.I.DuPont de Nemours & Co
URS Corporation
1200 Philadelphia Pike
Wilmington DE 19809-2040

287-1 SDG#: DLN19-16

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010B	mg/kg	mg/kg	mg/kg	
06955	Lead	7439-92-1	91.1	0.661	1.65	1
	The matrix spike and matrix spike duplicate were out of specification for lead. The recovery of the post digestion spike performed on the background sample was 95%.					
		SW-846 7471A	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	5.35	0.131	1.14	10
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	13.5	0.50	0.50	1
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.					

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	093645708004	12/31/2009 21:10	John P Hook	1
00159	Mercury	SW-846 7471A	1	093485711004	12/15/2009 20:09	Nelli S Markaryan	10
05708	SW SW846 ICP Digest	SW-846 3050A	1	093645708004	12/30/2009 23:10	Mirit S Shenouda	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	093485711004	12/15/2009 10:30	Denise K Conners	1
00111	Moisture	SM20 2540 G	1	09343820006A	12/09/2009 16:07	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-287(2.0-2.5) Soil Sample
DELTA UPLANDS 11/30/09

LLI Sample # SW 5856184
LLI Group # 1173905
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/04/2009 12:04 by GN

Account Number: 07032

Submitted: 12/04/2009 18:27
Reported: 01/08/2010 at 16:40
Discard: 02/08/2010

CRG-E.I.DuPont de Nemours & Co
URS Corporation
1200 Philadelphia Pike
Wilmington DE 19809-2040

287-2 SDG#: DLN19-17

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010B	mg/kg	mg/kg	mg/kg	
06955	Lead	7439-92-1	301	0.820	2.05	1
	The matrix spike and matrix spike duplicate were out of specification for lead. The recovery of the post digestion spike performed on the background sample was 87%.					
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	28.3	0.50	0.50	1
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.					

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	093445708004	12/15/2009 00:12	John W Yanzuk II	1
05708	SW SW846 ICP Digest	SW-846 3050A	1	093445708004	12/10/2009 21:35	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	09343820006A	12/09/2009 16:07	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: POM-S-536-287(3.0-3.5) Soil Sample
DELTA UPLANDS 11/30/09

LLI Sample # SW 5856185
LLI Group # 1173905
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/04/2009 12:10 by GN

Account Number: 07032

Submitted: 12/04/2009 18:27
 Reported: 01/08/2010 at 16:40
 Discard: 02/08/2010

CRG-E.I.DuPont de Nemours & Co
 URS Corporation
 1200 Philadelphia Pike
 Wilmington DE 19809-2040

287-3 SDG#: DLN19-18

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010B	mg/kg	mg/kg	mg/kg	
06955	Lead	7439-92-1	166	1.39	3.49	1
	The matrix spike and matrix spike duplicate were out of specification for lead. The recovery of the post digestion spike performed on the background sample was 87%.					
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	57.4	0.50	0.50	1
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.					

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	093445708004	12/15/2009 00:15	John W Yanzuk II	1
05708	SW SW846 ICP Digest	SW-846 3050A	1	093445708004	12/10/2009 21:35	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	09343820006A	12/09/2009 16:07	Scott W Freisher	1

Sample Description: POM-K-536-EQBLK3 Blank Water Sample
DELTA UPLANDS 11/30/09

LLI Sample # WW 5856186
LLI Group # 1173905
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/03/2009 16:20 by GN

Account Number: 07032

Submitted: 12/04/2009 18:27
Reported: 01/08/2010 at 16:40
Discard: 02/08/2010

CRG-E.I.DuPont de Nemours & Co
URS Corporation
1200 Philadelphia Pike
Wilmington DE 19809-2040

EB003 SDG#: DLN19-19EB

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010B	mg/l	mg/l	mg/l	
07055	Lead	7439-92-1	N.D.	0.0069	0.0150	1
07036	Selenium	7782-49-2	N.D.	0.0089	0.0200	1
		SW-846 7470A	mg/l	mg/l	mg/l	
00259	Mercury	7439-97-6	N.D.	0.000056	0.00020	1

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	093455705005	12/15/2009 01:05	Tara L Snyder	1
07036	Selenium	SW-846 6010B	1	093455705005	12/15/2009 01:05	Tara L Snyder	1
00259	Mercury	SW-846 7470A	1	093415713001	12/09/2009 07:50	Damary Valentin	1
05705	WW/TL SW 846 ICP Digest (tot)	SW-846 3010A	1	093455705005	12/13/2009 12:45	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	093415713001	12/07/2009 15:33	James L Mertz	1

Sample Description: POM-K-536-EQBLK4 Blank Water Sample
DELTA UPLANDS 11/30/09

LLI Sample # WW 5856187
LLI Group # 1173905
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/04/2009 14:00 by GN

Account Number: 07032

Submitted: 12/04/2009 18:27
 Reported: 01/08/2010 at 16:40
 Discard: 02/08/2010

CRG-E.I.DuPont de Nemours & Co
 URS Corporation
 1200 Philadelphia Pike
 Wilmington DE 19809-2040

EB004 SDG#: DLN19-20EB*

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals						
	SW-846 6010B		mg/l	mg/l	mg/l	
07055	Lead	7439-92-1	N.D.	0.0069	0.0150	1
07036	Selenium	7782-49-2	N.D.	0.0089	0.0200	1
	SW-846 7470A		mg/l	mg/l	mg/l	
00259	Mercury	7439-97-6	N.D.	0.000056	0.00020	1

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	093455705005	12/15/2009 01:14	Tara L Snyder	1
07036	Selenium	SW-846 6010B	1	093455705005	12/15/2009 01:14	Tara L Snyder	1
00259	Mercury	SW-846 7470A	1	093415713001	12/09/2009 07:51	Damary Valentin	1
05705	WW/TL SW 846 ICP Digest (tot)	SW-846 3010A	1	093455705005	12/13/2009 12:45	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	093415713001	12/07/2009 15:33	James L Mertz	1

Quality Control Summary

 Client Name: CRG-E.I.DuPont de Nemours & Co
 Reported: 01/08/10 at 04:40 PM

Group Number: 1173905

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>	
Batch number: 093415713001 Mercury	Sample number(s): 5856186-5856187 N.D.				mg/l	100	106	80-120	6	20
		0.00005	0.00020							
		6								
Batch number: 093445708004 Lead Selenium	Sample number(s): 5856168-5856169,5856173,5856175,5856177-5856181,5856184-5856185 N.D.				mg/kg	90		85-114		
		0.600	1.50							
		0.980	2.00		97		90-109			
Batch number: 093455705005 Lead Selenium	Sample number(s): 5856186-5856187 N.D.				mg/l	102		80-120		
		0.0069	0.0150							
		0.0089	0.0200		103		80-120			
Batch number: 093485711004 Mercury	Sample number(s): 5856170-5856172,5856174-5856177,5856182-5856183 N.D.				mg/kg	92		66-135		
		0.0112	0.0972							
Batch number: 093645708004 Lead	Sample number(s): 5856176,5856183 N.D.				mg/kg	93		85-114		
		0.600	1.50							
Batch number: 09343820006A Moisture	Sample number(s): 5856168-5856185 N.D.					100		99-101		

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
 Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>RPD MAX</u>	<u>BKG Conc</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>	
Batch number: 093445708004 Lead Selenium	Sample number(s): 5856168-5856169,5856173,5856175,5856177-5856181,5856184-5856185 UNSPK: P855374 BKG: P855374									
	27 (2)	-502 (2)	75-125	44*	20	215	118	58*	20	
	118	112	75-125	5	20	N.D.	N.D.	0 (1)	20	
Batch number: 093455705005 Lead Selenium	Sample number(s): 5856186-5856187 UNSPK: P857429 BKG: P857429									
	100	100	75-125	0	20	0.136	0.149	9	20	
	104	105	75-125	1	20	N.D.	N.D.	0 (1)	20	
Batch number: 093485711004 Mercury	Sample number(s): 5856170-5856172,5856174-5856177,5856182-5856183 UNSPK: 5856170 BKG: 5856170									
	482 (2)	517 (2)	80-120	2	20	2.58	3.48	30* (1)	20	

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 01/08/10 at 04:40 PM

Group Number: 1173905

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u>	<u>MSD</u>	<u>MS/MSD</u>	<u>RPD</u>	<u>BKG</u>	<u>DUP</u>	<u>DUP</u>	<u>Dup RPD</u>	
	<u>%REC</u>	<u>%REC</u>	<u>Limits</u>	<u>RPD</u>	<u>MAX</u>	<u>Conc</u>	<u>RPD</u>	<u>Max</u>	
Batch number: 093645708004	Sample number(s): 5856176,5856183 UNSPK: P869344 BKG: P869344								
Lead	-62 (2)	-179	75-125	9	20	220	213	4	20
		(2)							
Batch number: 09343820006A	Sample number(s): 5856168-5856185 BKG: 5856185								
Moisture					57.4	57.0		1	15

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.



Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only

Group No.: 1173905 Sample Nos.: 5856168-875488

Acc't: 07032

SCR No.: 84086

Cooler No.: 15188

14865

Cooler Temperature upon receipt: _____ °C

Container No.: _____

Facility Name: Pompton Lakes		Project Manager: Marj Vetter				Analyses Required										Comments:					
Facility Contact: George Nemeth		Facility Contact Phone No.: 973-492-7735				Moisture (SM20 2540 G)	Cu (6010)	Pb (6010)	Se (6010)	Hg (7471)											
Facility Address: Pompton Lakes Works		Job No.: 9267-7720100C-WH06507906																			
2000 Cannonball Road		Release No.: LA28294																			
Pompton Lakes NJ 07442		PO Number: LBIO-66380																			
Sampler(s): <u>George Nemeth / Dan Youngblood</u>																					
Project Name: DELTA UPLANDS 11/30/09																					
Sample Identification	Date Collected	Time Collected	Matrix	Containers							Moisture	Cu	Pb	Se	Hg						
				Volume (ml)	Preserv	No.	intact														
POM-S-536-250 (0.0-0.5)	12/3/09	1012	SW	125	None	1	X		X												
POM-S-536-500 (0.5-1.0) GN			SW	125	None	1	X														
POM-S-536-235 (0.0-0.5)		1037	SW	125	None	1	X		X												
POM-S-536-265 (0.0-0.5)		1318	SW	125	None	1	X				X										
POM-S-536-262 (0.0-0.5)		1315	SW	125	None	1	X				X										
POM-S-536-264 (0.0-0.5)		1340	SW	125	None	1	X				X										
POM-S-536-291 (1.0-1.5)		1524	SW	125	None	1	X		X												
POM-S-536-273 (1.5-2.0)		1550	SW	125	None	1	X				X										
POM-S-536-273 (0.0-0.5)		1545	SW	125	None	1	X			X	X										
POM-S-536-274 (1.5-2.0)		1612	SW	125	None	1	X		X		X										
Turnaround Time Requested (please circle): <u>Normal</u> Rush Number of days: _____						Special Instructions:															
Bottles Relinquished by: <u>[Signature]</u>		Date: 12/1/09	Time: 12:10	Bottles Received by: <u>George Nemeth</u>		Date: 12/2/09	Time: 2:10														
Bottles Relinquished by: <u>George Nemeth</u>		Date: 12/4/09	Time: 14:30	Bottles Received by: <u>[Signature]</u>		Date: 12/4/09	Time: 15:10														
Bottles Relinquished by: <u>[Signature]</u>		Date: 12/4/09	Time: 18:27	Bottles Received by: <u>[Signature]</u>		Date:	Time:														
Bottles Relinquished by:		Date:	Time:	Bottles Received by: <u>[Signature]</u>		Date: 12/4/09	Time: 18:27														



Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only

Group No.: 1173905 Sample Nos.: 5856168-8715188
 Acc't: 07032 SCR No.: B4088c Cooler No.: 5188
 Cooler Temperature upon receipt: _____ °C Container No.: _____

14865

Facility Name: Pompton Lakes		Project Manager: Marj Vetter			Analyses Required										Comments:							
Facility Contact: George Nemeth		Facility Contact Phone No.: 973-492-7735																				
Facility Address: Pompton Lakes Works		Job No.: 9267-7720100C-WH06507906																				
2000 Cannonball Road		Release No.: LA28294																				
Pompton Lakes NJ 07442		PO Number: LBIO-66380																				
Sampler(s): <u>George Nemeth / Dan Youngblood</u>																						
Project Name: DELTA UPLANDS 11/30/09																						
				Containers			Moisture (SM20 2540 G)	Cu (6010)	Pb (6010)	Se (6010)	Hg (7471)											Condition upon receipt: <u>intact</u>
Sample Identification		Date Collected	Time Collected	Matrix	Volume (ml)	Preserv						No.										
POM-S-536- <u>276 (1.5-2.0)</u>		<u>12/4/09</u>	<u>0850</u>	SW	125	None	1	X		X		X										
POM-S-536- <u>286 (1.0-1.5)</u>			<u>0934</u>	SW	125	None	1	X		X												
POM-S-536- <u>286 (3.0-3.5)</u>			<u>0940</u>	SW	125	None	1	X		X												
POM-S-536- <u>299 (0.0-0.5)</u>			<u>1042</u>	SW	125	None	1	X			X											
POM-S-536- <u>299 (0.0-0.5) DUP</u>			<u>1042</u>	SW	125	None	1	X			X											
POM-S-536- <u>500 (0.5-1.0)</u>			<u>1120</u>	SW	125	None	1	X				X										
POM-S-536- <u>287 (1.0-1.5)</u>			<u>1158</u>	SW	125	None	1	X		X		X										
POM-S-536- <u>287 (2.0-2.5)</u>			<u>1204</u>	SW	125	None	1	X		X												
POM-S-536- <u>287 (3.0-3.5)</u>			<u>1210</u>	SW	125	None	1	X		X												
POM-K-EQBLK 3		<u>12/3/09</u>	<u>12/3/09</u>	<u>1620</u>	WW	500	HNO3	1		X	X	X										
POM-K-EQBLK 4		<u>12/4/09</u>	<u>12/4/09</u>	<u>1400</u>	WW	500	HNO3	1		X	X	X										
Turnaround Time Requested (please circle): <u>Normal</u> Rush Number of days: _____								Special Instructions:														
Bottles Relinquished by: <u>[Signature]</u>		Date: <u>12/1/09</u>	Time: <u>12:10</u>	Bottles Received by: <u>George Nemeth</u>		Date: <u>12/2/09</u>		Time: <u>~1100</u>														
Bottles Relinquished by: <u>George Nemeth</u>		Date: <u>12/4/09</u>	Time: <u>1430</u>	Bottles Received by: <u>[Signature]</u>		Date: <u>12/4/09</u>		Time: <u>15-10</u>														
Bottles Relinquished by: <u>[Signature]</u>		Date: <u>12/4/09</u>	Time: <u>18:27</u>	Bottles Received by: <u>[Signature]</u>		Date: _____		Time: _____														
Bottles Relinquished by: <u>[Signature]</u>		Date: _____	Time: _____	Bottles Received by: <u>[Signature]</u>		Date: <u>12/4/09</u>		Time: <u>1827</u>														

**Environmental Sample Administration
Receipt Documentation Log**

Client/Project: DuPont Pompton Lakes
 Date of Receipt: 12/4/09
 Time of Receipt: 1827
 Source Code: 01
 Unpacker Emp. No.: 2308

Shipping Container Sealed: YES NO

Custody Seal Present * : YES NO

* Custody seal was intact unless otherwise noted in the discrepancy section

Package: Chilled Not Chilled

Temperature of Shipping Containers							
Cooler #	Thermometer ID	Temperature (°C)	Temp Bottle (TB) or Surface Temp (ST)	Wet Ice (WI) or Dry Ice (DI) or Ice Packs (IP)	Ice Present? Y/N	Loose (L) Bagged Ice (B) or NA	Comments
1	0429951	1.1 ⁰⁰	TB	WI	Y	B	
2			/				
3							
4							
5							
6							

Number of Trip Blanks received NOT listed on chain of custody. 0

Paperwork Discrepancy/Unpacking Problems:

Sample Administration Internal Chain of Custody			
Name	Date	Time	Reason for Transfer
<i>[Signature]</i>	12/4/09	195	Unpacking <i>to Storage</i>
<i>[Signature]</i>	12/4/09	2011	Place in Storage or <i>Entry</i>
			Entry
			Entry

Lancaster Laboratories Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

N.D.	none detected	BMQL	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	MPN	Most Probable Number
IU	International Units	CP Units	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	NTU	nephelometric turbidity units
C	degrees Celsius	F	degrees Fahrenheit
Cal	(diet) calories	lb.	pound(s)
meq	milliequivalents	kg	kilogram(s)
g	gram(s)	mg	milligram(s)
ug	microgram(s)	l	liter(s)
ml	milliliter(s)	ul	microliter(s)
m3	cubic meter(s)	fib >5 um/ml	fibers greater than 5 microns in length per ml
<	less than – The number following the sign is the <u>limit of quantitation</u> , the smallest amount of analyte which can be reliably determined using this specific test.		
>	greater than		
ppm	parts per million – One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.		
ppb	parts per billion		
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture.		

U.S. EPA data qualifiers:

Organic Qualifiers

A	TIC is a possible aldol-condensation product
B	Analyte was also detected in the blank
C	Pesticide result confirmed by GC/MS
D	Compound quantitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
J	Estimated value
N	Presumptive evidence of a compound (TICs only)
P	Concentration difference between primary and confirmation columns >25%
U	Compound was not detected
X,Y,Z	Defined in case narrative

Inorganic Qualifiers

B	Value is <CRDL, but ≥IDL
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike amount not within control limits
S	Method of standard additions (MSA) used for calculation
U	Compound was not detected
W	Post digestion spike out of control limits
*	Duplicate analysis not within control limits
+	Correlation coefficient for MSA <0.995

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

WARRANTY AND LIMITS OF LIABILITY – In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL LANCASTER LABORATORIES BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF LANCASTER LABORATORIES AND (B) WHETHER LANCASTER LABORATORIES HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Lancaster Laboratories which includes any conditions that vary from the Standard Terms and Conditions of Lancaster Laboratories and we hereby object to any conflicting terms contained in any acceptance or order submitted by client.

Memorandum

DATE: FEBRUARY 8, 2010

TO: GEORGE NEMETH

MARJ VETTER

FROM: Dyana C. Saggess

RE: DELTA UPLANDS 12/7/09

Enclosed is the data report for solid samples collected 12/7-10/09. The samples were submitted to Lancaster Laboratories, Lancaster PA for the analyses listed below (not all analyses were scheduled for all samples- refer to the attached custody forms). All samples were received at the laboratory and analyzed within the recommended EPA holding times.

ANALYSIS	METHOD
Lead, Selenium	SW 846 6010B
Mercury	SW-846 7471A/ 7470A
Moisture (percent)	SM20 2540G

The electronic data submitted for this sampling event was reviewed via the DuPont Data Review (DDR) process. No significant QC exceptions were noted during the review. Some of the data has been qualified due to detections between the method detection limit and practical quantitation limit and poor matrix spike and matrix spike duplicate recoveries for mercury. Sample id POM-S-536-321(5.0-5.5) has a collection time of 10:50 on the jar and 11:01 on the chain of custody. Per the field team, the time of 11:01 is the correct time of collection.

There is no chain of custody page for sample ids POM-S-536-294(1.0-1.5), -536-294(3.0-3.5), -536-285(1.0-1.5), -536-285(2.0-2.5), -536-285(4.0-4.5) and -536-285-285(5.0-5.5), all collected 12/10/09. No custody sheet for these samples arrived at the lab, or was found at the site.

Some of the sample ids have a "D" in them. They are, POM-S-536-20D(5.5-6.0), -536-70D(4.0-4.5), -536-1D(5.5-6.0) collected 12/8/09 and -536-35D(1.0-1.5) collected 12/9/09. This is to define cores that were sampled for an additional round for either horizontal step out delineation or further depth delineation.

If the initial core location met the screening criteria, it had one core number only. If it was found to be above criteria, it was recollected by macrocore at the same location and labeled with a “D”. If the sample was still found to be above criteria, the field team went back to the same location and macrocored deeper, and it was labeled “D2”.

Please do not hesitate to contact me if you have any questions regarding this report.

DuPont In-House Review (DDR)

The DDR is an automated internal review process used by the ADQM group to determine if the data is usable. The data is run through this automated program where a series of checks are performed on the data. The data is evaluated against hold time criteria, checked for blank contamination, assessed against matrix spike(MS)/matrix spike duplicate (MSD) recoveries, assessed against relative percent differences (RPDs) between these samples, assessed against laboratory control sample(LCS)/control sample duplicate (LCSD) recoveries, assessed against RPDs between these samples, assessed against RPDs between laboratory replicates, and assessed against surrogate spike recoveries. The DDR applies the following data qualifiers to analysis results, as warranted:

Qualifier	Definition
B	Not detected substantially above the level reported in the laboratory or field blanks.
R	Unusable result. Analyte may or may not be present in the sample.
J	Analyte present. Reported value may not be accurate or precise.
UJ	Not detected. Reporting limit may not be accurate or precise.

Laboratory Qualifiers

The laboratory may have applied one or more of the following data qualifiers to analysis results, as warranted:

DIL	The concentration is estimated or not reported due to dilution or to the presence of interfering analytes.
NC	The recovery and or RPD were not calculated.
J	Estimated value; result falls between method detection limit (mdl) and practical quantitation limit (pql).
U	Analyte was not detected at the specified reporting limit
B	Analyte concentration is not significantly greater than that detected in an associated method blank.

J	Estimated value; result falls between method detection limit (mdl) and practical quantitation limit (pql).
*	Surrogate recovery is outside stated control limits.
J	Method blank contamination. The associated method blank contains the target analyte at a reportable level.
B	Estimated result. Result is less than reporting limit (RL)
Q	Elevated reporting limit. The reporting limit is elevated because sample dilution was required to bring target compounds within calibration range of the analytical system.
G	Elevated reporting limit. The reporting limit is elevated because sample dilution was required for analysis due to matrix interference.

These lab qualifiers are applied independent of DuPont In-House Data Review (DDR) qualifiers.

**DUPONT POMPTON LAKES WORKS
DELTA UPLANDS 12/7/09**

Pompton Lakes, NJ

February 8, 2010

Prepared for

George Nemeth, URS Diamond

Prepared by

URS
ADQM Group – Dyana C. Sagges
URS Corporation
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Newark, DE 19713

**Corporate Environmental Database
DDR Narrative Report**

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Reporting Limit: MDL

DDR Standards LABSTATS

Associated MS and/or MSD analysis had relative percent recovery (RPR) values higher than the upper control limit. The reported result may be biased high.

Sample ID	Date Sampled	Lab ID	Analyte	Result	Units	MDL	PQL	Qual	Analytical Methods	
									Analysis	Preprep- Prep-
POM-S-536-1D(5.5-6.0)	12/8/2009	5861134-HG FS	MERCURY	26.8	MG/K	0.895	7.79	J	7471A	7471A MOD.
POM-S-536-282(4.0-4.5)	12/7/2009	5861114-HG FS	MERCURY	17.3	MG/K	0.738	6.43	J	7471A	7471A MOD.
POM-S-536-282(5.0-5.5)	12/7/2009	5861115-HG FS	MERCURY	1.12	MG/K	0.0330	0.287	J	7471A	7471A MOD.
POM-S-536-283(1.0-1.5)	12/7/2009	5861128-HG FS	MERCURY	9.80	MG/K	0.326	2.84	J	7471A	7471A MOD.
POM-S-536-283(3.0-3.5)	12/7/2009	5861130-HG FS	MERCURY	7.45	MG/K	0.284	2.47	J	7471A	7471A MOD.
POM-S-536-283(4.0-4.5)	12/7/2009	5861110-HG FS	MERCURY	0.211	MG/K	0.0127	0.110	J	7471A	7471A MOD.
POM-S-536-283(5.0-5.5)	12/7/2009	5861111-HG FS	MERCURY	0.0229	MG/K	0.0147	0.128	J	7471A	7471A MOD.
POM-S-536-284(3.0-3.5)	12/7/2009	5861125-HG FS	MERCURY	0.0420	MG/K	0.0139	0.121	J	7471A	7471A MOD.
POM-S-536-284(5.0-5.5)	12/7/2009	5861127-HG FS	MERCURY	0.0557	MG/K	0.0168	0.146	J	7471A	7471A MOD.
POM-S-536-288(1.0-1.5)	12/8/2009	5861118-HG FS	MERCURY	8.03	MG/K	0.265	2.31	J	7471A	7471A MOD.
POM-S-536-289(1.0-1.5)	12/7/2009	5861120-HG FS	MERCURY	4.80	MG/K	0.142	1.24	J	7471A	7471A MOD.
POM-S-536-292(3.0-3.5)	12/9/2009	5861147-HG FS	MERCURY	0.464	MG/K	0.0133	0.116	J	7471A	7471A MOD.
POM-S-536-295(2.0-2.5)	12/8/2009	5861135-HG FS	MERCURY	0.226	MG/K	0.0143	0.124	J	7471A	7471A MOD.
POM-S-536-295(2.0-2.5)-DUP	12/8/2009	5861139-HG FS	MERCURY	0.353	MG/K	0.0143	0.125	J	7471A	7471A MOD.
POM-S-536-295(3.0-3.5)	12/8/2009	5861140-HG FS	MERCURY	8.92	MG/K	0.317	2.76	J	7471A	7471A MOD.
POM-S-536-299(1.0-1.5)	12/9/2009	5861141-HG FS	MERCURY	12.1	MG/K	0.799	6.95	J	7471A	7471A MOD.
POM-S-536-321(5.0-5.5)	12/7/2009	5861123-HG FS	MERCURY	6.96	MG/K	0.215	1.87	J	7471A	7471A MOD.
POM-S-536-70D(4.0-4.5)	12/8/2009	5861117-HG FS	MERCURY	4.84	MG/K	0.212	1.85	J	7471A	7471A MOD.

The reported result is greater than/equal to the MDL and less than the PQL; it should be considered an estimated value.

Sample ID	Date Sampled	Lab ID	Analyte	Result	Units	MDL	PQL	Qual	Analytical Methods	
									Analysis	Preprep- Prep-
POM-K-536-EQBLK8	12/10/2009	5863236-HG EB	MERCURY	0.000074	MG/L	0.00005	0.00020	J	7470A	METHOD

Associated MS and/or MSD analysis had relative percent recovery (RPR) values less than the lower control limit but above 10%. The reported result may be biased low.

Sample ID	Date Sampled	Lab ID	Analyte	Result	Units	MDL	PQL	Qual	Analytical Methods	
									Analysis	Preprep- Prep-
POM-S-536-294(3.0-3.5)	12/10/2009	5863227-HG FS	MERCURY	0.536	MG/K	0.0131	0.114	J	7471A	7471A MOD.

**Corporate Environmental Database
Summary of Positive Results
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Reporting Limit: MDL

Analyte/Parameter	Result	Qualifiers		Unit	Detection Limit		Analytical Methods		
		LAB	DDR		MDL	PQL	Analysis	Preprep-	Prep-
Sampling Point: 536-EQBLK8 Date sampled: Dec 10, 2009				Sample no: POM-K-536-EQBLK8 Sample type: Blank Water					
MERCURY	0.000074	J	J	MG/L	0.0000E	0.0002C	7470A		METHOD
Sampling Point: 536-1D Date sampled: Dec 08, 2009				Sample no: POM-S-536-1D(5.5-6.0) Sample type: Soil					
MERCURY	26.8		J	MG/KG	0.895	7.79	7471A		7471A MOD.
MOISTURE	74.7			%	0.50	0.50	SM 2540 G		
Sampling Point: 536-20D Date sampled: Dec 08, 2009				Sample no: POM-S-536-20D(5.5-6.0) Sample type: Soil					
LEAD	318			MG/KG	0.648	1.62	6010B		3050B
MOISTURE	11.0			%	0.50	0.50	SM 2540 G		
Sampling Point: 536-282 Date sampled: Dec 07, 2009				Sample no: POM-S-536-282(1.0-1.5) Sample type: Soil					
LEAD	353			MG/KG	0.818	2.05	6010B		3050B
MOISTURE	27.4			%	0.50	0.50	SM 2540 G		
Sampling Point: 536-282 Date sampled: Dec 07, 2009				Sample no: POM-S-536-282(3.0-3.5) Sample type: Soil					
LEAD	5.61			MG/KG	1.02	2.54	6010B		3050B
MOISTURE	41.5			%	0.50	0.50	SM 2540 G		
Sampling Point: 536-283 Date sampled: Dec 07, 2009				Sample no: POM-S-536-283(2.0-2.5) Sample type: Soil					
LEAD	1370			MG/KG	1.36	3.40	6010B		3050B
MOISTURE	56.8			%	0.50	0.50	SM 2540 G		
Sampling Point: 536-284 Date sampled: Dec 07, 2009				Sample no: POM-S-536-284(2.0-2.5) Sample type: Soil					
LEAD	16.5			MG/KG	0.690	1.73	6010B		3050B
MOISTURE	14.8			%	0.50	0.50	SM 2540 G		
Sampling Point: 536-284 Date sampled: Dec 07, 2009				Sample no: POM-S-536-284(4.0-4.5) Sample type: Soil					
LEAD	12.3			MG/KG	0.818	2.05	6010B		3050B
MOISTURE	27.4			%	0.50	0.50	SM 2540 G		
Sampling Point: 536-285 Date sampled: Dec 10, 2009				Sample no: POM-S-536-285(1.0-1.5) Sample type: Soil					
LEAD	609			MG/KG	1.74	4.35	6010B		3050B
MOISTURE	66.2			%	0.50	0.50	SM 2540 G		

**Corporate Environmental Database
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Reporting Limit: MDL

Analyte/Parameter	Result	Qualifiers		Unit	Detection Limit		Analytical Methods		
		LAB	DDR		MDL	PQL	Analysis	Preprep-	Prep-
Sampling Point: 536-285 Date sampled: Dec 10, 2009		Sampleno:	POM-S-536-285(2.0-2.5)						
		Sample type:	Soil						
LEAD	826			MG/KG	1.38	3.46	6010B		3050B
MOISTURE	57.1			%	0.50	0.50	SM 2540 G		
Sampling Point: 536-285 Date sampled: Dec 10, 2009		Sampleno:	POM-S-536-285(4.0-4.5)						
		Sample type:	Soil						
LEAD	20.5			MG/KG	0.743	1.86	6010B		3050B
MOISTURE	19.2			%	0.50	0.50	SM 2540 G		
Sampling Point: 536-285 Date sampled: Dec 10, 2009		Sampleno:	POM-S-536-285(5.0-5.5)						
		Sample type:	Soil						
LEAD	1040			MG/KG	1.50	3.75	6010B		3050B
MOISTURE	60.0			%	0.50	0.50	SM 2540 G		
Sampling Point: 536-285 Date sampled: Dec 10, 2009		Sampleno:	POM-S-536-285(2.0-2.5)-DUP						
		Sample type:	Soil						
LEAD	776			MG/KG	1.36	3.40	6010B		3050B
MOISTURE	56.8			%	0.50	0.50	SM 2540 G		
Sampling Point: 536-288 Date sampled: Dec 08, 2009		Sampleno:	POM-S-536-288(3.0-3.5)						
		Sample type:	Soil						
LEAD	133			MG/KG	1.61	4.03	6010B		3050B
MOISTURE	63.5			%	0.50	0.50	SM 2540 G		
Sampling Point: 536-289 Date sampled: Dec 07, 2009		Sampleno:	POM-S-536-289(2.0-2.5)						
		Sample type:	Soil						
LEAD	260			MG/KG	0.750	1.88	6010B		3050B
MOISTURE	20.8			%	0.50	0.50	SM 2540 G		
Sampling Point: 536-289 Date sampled: Dec 07, 2009		Sampleno:	POM-S-536-289(3.0-3.5)						
		Sample type:	Soil						
LEAD	840			MG/KG	1.37	3.43	6010B		3050B
MOISTURE	58.0			%	0.50	0.50	SM 2540 G		
Sampling Point: 536-292 Date sampled: Dec 09, 2009		Sampleno:	POM-S-536-292(1.0-1.5)						
		Sample type:	Soil						
LEAD	116			MG/KG	0.744	1.86	6010B		3050B
MOISTURE	19.4			%	0.50	0.50	SM 2540 G		
Sampling Point: 536-292 Date sampled: Dec 09, 2009		Sampleno:	POM-S-536-292(2.0-2.5)						
		Sample type:	Soil						
LEAD	1090			MG/KG	1.31	3.28	6010B		3050B
MOISTURE	54.7			%	0.50	0.50	SM 2540 G		

**Corporate Environmental Database
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Analyte/Parameter	Result	Qualifiers		Unit	Detection Limit		Analytical Methods		
		LAB	DDR		MDL	PQL	Analysis	Preprep-	Prep-
Sampling Point: 536-294 Date sampled: Dec 10, 2009									
			Sample no:	POM-S-536-294(1.0-1.5)					
			Sample type:	Soil					
LEAD	626			MG/KG	1.27	3.18	6010B		3050B
MOISTURE	52.9			%	0.50	0.50	SM 2540 G		
Sampling Point: 536-294 Date sampled: Dec 10, 2009									
			Sample no:	POM-S-536-294(3.0-3.5)					
			Sample type:	Soil					
MERCURY	0.536	J		MG/KG	0.0131	0.114	7471A		7471A MOD.
MOISTURE	15.6			%	0.50	0.50	SM 2540 G		
Sampling Point: 536-299 Date sampled: Dec 09, 2009									
			Sample no:	POM-S-536-299(2.0-2.5)					
			Sample type:	Soil					
LEAD	555			MG/KG	0.870	2.18	6010B		3050B
MOISTURE	33.7			%	0.50	0.50	SM 2540 G		
Sampling Point: 536-299 Date sampled: Dec 09, 2009									
			Sample no:	POM-S-536-299(3.0-3.5)					
			Sample type:	Soil					
LEAD	128			MG/KG	0.699	1.75	6010B		3050B
MOISTURE	15.9			%	0.50	0.50	SM 2540 G		
Sampling Point: 536-282 Date sampled: Dec 07, 2009									
			Sample no:	POM-S-536-282(4.0-4.5)					
			Sample type:	Soil					
LEAD	12.7			MG/KG	0.775	1.94	6010B		3050B
MERCURY	17.3	J		MG/KG	0.738	6.43	7471A		7471A MOD.
MOISTURE	24.8			%	0.50	0.50	SM 2540 G		
Sampling Point: 536-282 Date sampled: Dec 07, 2009									
			Sample no:	POM-S-536-282(5.0-5.5)					
			Sample type:	Soil					
LEAD	8.76			MG/KG	1.78	4.45	6010B		3050B
MERCURY	1.12	J		MG/KG	0.0330	0.287	7471A		7471A MOD.
MOISTURE	66.6			%	0.50	0.50	SM 2540 G		
Sampling Point: 536-283 Date sampled: Dec 07, 2009									
			Sample no:	POM-S-536-283(1.0-1.5)					
			Sample type:	Soil					
LEAD	235			MG/KG	0.867	2.17	6010B		3050B
MERCURY	9.80	J		MG/KG	0.326	2.84	7471A		7471A MOD.
MOISTURE	31.5			%	0.50	0.50	SM 2540 G		
Sampling Point: 536-283 Date sampled: Dec 07, 2009									
			Sample no:	POM-S-536-283(3.0-3.5)					
			Sample type:	Soil					
LEAD	10.7			MG/KG	0.734	1.84	6010B		3050B
MERCURY	7.45	J		MG/KG	0.284	2.47	7471A		7471A MOD.
MOISTURE	19.9			%	0.50	0.50	SM 2540 G		
Sampling Point: 536-283 Date sampled: Dec 07, 2009									
			Sample no:	POM-S-536-283(4.0-4.5)					
			Sample type:	Soil					
LEAD	4.25			MG/KG	0.681	1.70	6010B		3050B
MERCURY	0.211	J		MG/KG	0.0127	0.110	7471A		7471A MOD.

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Analyte/Parameter	Result	Qualifiers		Unit	Detection Limit		Analytical Methods		
		LAB	DDR		MDL	PQL	Analysis	Preprep-	Prep-
Sampling Point: 536-283 Date sampled: Dec 07, 2009				Sample no: Sample type:	POM-S-536-283(4.0-4.5) Soil				
MOISTURE	11.9			%	0.50	0.50	SM 2540 G		
Sampling Point: 536-283 Date sampled: Dec 07, 2009				Sample no: Sample type:	POM-S-536-283(5.0-5.5) Soil				
LEAD MERCURY MOISTURE	6.12 0.0229 27.0	J	J	MG/KG MG/KG %	0.798 0.0147 0.50	1.99 0.128 0.50	6010B 7471A SM 2540 G	3050B 7471A MOD.	
Sampling Point: 536-284 Date sampled: Dec 07, 2009				Sample no: Sample type:	POM-S-536-284(3.0-3.5) Soil				
LEAD MERCURY MOISTURE	4.89 0.0420 21.9	J	J	MG/KG MG/KG %	0.739 0.0139 0.50	1.85 0.121 0.50	6010B 7471A SM 2540 G	3050B 7471A MOD.	
Sampling Point: 536-284 Date sampled: Dec 07, 2009				Sample no: Sample type:	POM-S-536-284(5.0-5.5) Soil				
LEAD MERCURY MOISTURE	3.82 0.0557 32.6	J	J	MG/KG MG/KG %	0.881 0.0168 0.50	2.20 0.146 0.50	6010B 7471A SM 2540 G	3050B 7471A MOD.	
Sampling Point: 536-288 Date sampled: Dec 08, 2009				Sample no: Sample type:	POM-S-536-288(1.0-1.5) Soil				
LEAD MERCURY MOISTURE	510 8.03 14.4		J	MG/KG MG/KG %	0.694 0.265 0.50	1.73 2.31 0.50	6010B 7471A SM 2540 G	3050B 7471A MOD.	
Sampling Point: 536-289 Date sampled: Dec 07, 2009				Sample no: Sample type:	POM-S-536-289(1.0-1.5) Soil				
LEAD MERCURY MOISTURE	50.2 4.80 20.2		J	MG/KG MG/KG %	0.744 0.142 0.50	1.86 1.24 0.50	6010B 7471A SM 2540 G	3050B 7471A MOD.	
Sampling Point: 536-292 Date sampled: Dec 09, 2009				Sample no: Sample type:	POM-S-536-292(3.0-3.5) Soil				
LEAD MERCURY MOISTURE	5.40 0.464 15.4		J	MG/KG MG/KG %	0.689 0.0133 0.50	1.72 0.116 0.50	6010B 7471A SM 2540 G	3050B 7471A MOD.	
Sampling Point: 536-295 Date sampled: Dec 08, 2009				Sample no: Sample type:	POM-S-536-295(2.0-2.5) Soil				
LEAD MERCURY MOISTURE	6.17 0.226 22.3		J	MG/KG MG/KG %	0.772 0.0143 0.50	1.93 0.124 0.50	6010B 7471A SM 2540 G	3050B 7471A MOD.	
Sampling Point: 536-295 Date sampled: Dec 08, 2009				Sample no: Sample type:	POM-S-536-295(3.0-3.5) Soil				
LEAD	23.5			MG/KG	1.65	4.11	6010B	3050B	

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Reporting Limit: MDL

Analyte/Parameter	Result	Qualifiers		Unit	Detection Limit		Analytical Methods		
		LAB	DDR		MDL	PQL	Analysis	Preprep-	Prep-
Sampling Point: 536-295 Date sampled: Dec 08, 2009				Sample no: POM-S-536-295(3.0-3.5) Sample type: Soil					
MERCURY	8.92	J		MG/KG	0.317	2.76	7471A		7471A MOD.
MOISTURE	63.9			%	0.50	0.50	SM 2540 G		
Sampling Point: 536-295 Date sampled: Dec 08, 2009				Sample no: POM-S-536-295(2.0-2.5)-DUP Sample type: Soil					
LEAD	6.25	J		MG/KG	0.751	1.88	6010B		3050B
MERCURY	0.353			MG/KG	0.0143	0.125	7471A		7471A MOD.
MOISTURE	20.9			%	0.50	0.50	SM 2540 G		
Sampling Point: 536-299 Date sampled: Dec 09, 2009				Sample no: POM-S-536-299(1.0-1.5) Sample type: Soil					
LEAD	343	J		MG/KG	0.813	2.03	6010B		3050B
MERCURY	12.1			MG/KG	0.799	6.95	7471A		7471A MOD.
MOISTURE	29.0			%	0.50	0.50	SM 2540 G		
Sampling Point: 536-321 Date sampled: Dec 07, 2009				Sample no: POM-S-536-321(5.0-5.5) Sample type: Soil					
LEAD	40.0	J		MG/KG	1.18	2.94	6010B		3050B
MERCURY	6.96			MG/KG	0.215	1.87	7471A		7471A MOD.
MOISTURE	49.5			%	0.50	0.50	SM 2540 G		
Sampling Point: 536-35D Date sampled: Dec 09, 2009				Sample no: POM-S-536-35D(1.0-1.5) Sample type: Soil					
LEAD	630			MG/KG	0.952	2.38	6010B		3050B
COPPER	880			MG/KG	0.317	1.59	6010B		3050B
MOISTURE	38.2			%	0.50	0.50	SM 2540 G		
Sampling Point: 536-70D Date sampled: Dec 08, 2009				Sample no: POM-S-536-70D(4.0-4.5) Sample type: Soil					
LEAD	15.6	J		MG/KG	1.14	2.85	6010B		3050B
MERCURY	4.84			MG/KG	0.212	1.85	7471A		7471A MOD.
MOISTURE	47.9			%	0.50	0.50	SM 2540 G		

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Reporting Limit: MDL

Location: 536-283

Field Sample ID: POM-S-536-283(4.0-4.5)

Date Sampled: 12/7/2009 12:48:00

Sample Type: Soil

Lab Sample ID: 5861110-HG FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MERCURY	0.211		J	MG/KG	1	0.110	0.0127	12/17/09	7471A		7471A MOD.
MOISTURE	11.9			%	1	0.50	0.50	12/15/09	SM 2540 G		
LEAD	4.25			MG/KG	1	1.70	0.681	12/21/09	6010B		3050B

Location: 536-283

Field Sample ID: POM-S-536-283(5.0-5.5)

Date Sampled: 12/7/2009 12:45:00

Sample Type: Soil

Lab Sample ID: 5861111-HG FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MERCURY	0.0229		J J	MG/KG	1	0.128	0.0147	12/17/09	7471A		7471A MOD.
MOISTURE	27.0			%	1	0.50	0.50	12/15/09	SM 2540 G		
LEAD	6.12			MG/KG	1	1.99	0.798	12/21/09	6010B		3050B

Location: 536-282

Field Sample ID: POM-S-536-282(1.0-1.5)

Date Sampled: 12/7/2009 15:05:00

Sample Type: Soil

Lab Sample ID: 5861112-MOIST FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MOISTURE	27.4			%	1	0.50	0.50	12/15/09	SM 2540 G		
LEAD	353			MG/KG	1	2.05	0.818	12/21/09	6010B		3050B

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Reporting Limit: MDL

Location: 536-282

Field Sample ID: POM-S-536-282(3.0-3.5)

Date Sampled: 12/7/2009 15:10:00

Sample Type: Soil

Lab Sample ID: 5861113-MOIST FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MOISTURE	41.5			%	1	0.50	0.50	12/15/09	SM 2540 G		
LEAD	5.61			MG/KG	1	2.54	1.02	12/23/09	6010B	3050B	

Location: 536-282

Field Sample ID: POM-S-536-282(4.0-4.5)

Date Sampled: 12/7/2009 15:17:00

Sample Type: Soil

Lab Sample ID: 5861114-HG FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MERCURY	17.3		J	MG/KG	50	6.43	0.738	12/17/09	7471A	7471A MOD.	
MOISTURE	24.8			%	1	0.50	0.50	12/15/09	SM 2540 G		
LEAD	12.7			MG/KG	1	1.94	0.775	12/21/09	6010B	3050B	

Location: 536-282

Field Sample ID: POM-S-536-282(5.0-5.5)

Date Sampled: 12/7/2009 15:14:00

Sample Type: Soil

Lab Sample ID: 5861115-HG FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MERCURY	1.12		J	MG/KG	1	0.287	0.0330	12/17/09	7471A	7471A MOD.	
MOISTURE	66.6			%	1	0.50	0.50	12/15/09	SM 2540 G		
LEAD	8.76			MG/KG	1	4.45	1.78	12/21/09	6010B	3050B	

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Reporting Limit: MDL

Location: 536-20D

Field Sample ID: POM-S-536-20D(5.5-6.0)

Date Sampled: 12/8/2009 09:52:00

Sample Type: Soil

Lab Sample ID: 5861116-MOIST FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MOISTURE	11.0			%	1	0.50	0.50	12/15/09	SM 2540 G		
LEAD	318			MG/KG	1	1.62	0.648	12/21/09	6010B	3050B	

Location: 536-70D

Field Sample ID: POM-S-536-70D(4.0-4.5)

Date Sampled: 12/8/2009 11:50:00

Sample Type: Soil

Lab Sample ID: 5861117-HG FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MERCURY	4.84		J	MG/KG	10	1.85	0.212	12/17/09	7471A	7471A MOD.	
MOISTURE	47.9			%	1	0.50	0.50	12/15/09	SM 2540 G		
LEAD	15.6			MG/KG	1	2.85	1.14	12/21/09	6010B	3050B	

Location: 536-288

Field Sample ID: POM-S-536-288(1.0-1.5)

Date Sampled: 12/8/2009 14:05:00

Sample Type: Soil

Lab Sample ID: 5861118-HG FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MERCURY	8.03		J	MG/KG	20	2.31	0.265	12/17/09	7471A	7471A MOD.	
MOISTURE	14.4			%	1	0.50	0.50	12/15/09	SM 2540 G		
LEAD	510			MG/KG	1	1.73	0.694	12/21/09	6010B	3050B	

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Reporting Limit: MDL

Location: 536-288

Field Sample ID: POM-S-536-288(3.0-3.5)

Date Sampled: 12/8/2009 14:15:00

Sample Type: Soil

Lab Sample ID: 5861119-MOIST FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MOISTURE	63.5			%	1	0.50	0.50	12/15/09	SM 2540 G		
LEAD	133			MG/KG	1	4.03	1.61	12/21/09	6010B	3050B	

Location: 536-289

Field Sample ID: POM-S-536-289(1.0-1.5)

Date Sampled: 12/7/2009 10:26:00

Sample Type: Soil

Lab Sample ID: 5861120-HG FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MERCURY	4.80		J	MG/KG	10	1.24	0.142	12/17/09	7471A	7471A MOD.	
MOISTURE	20.2			%	1	0.50	0.50	12/15/09	SM 2540 G		
LEAD	50.2			MG/KG	1	1.86	0.744	12/21/09	6010B	3050B	

Location: 536-289

Field Sample ID: POM-S-536-289(2.0-2.5)

Date Sampled: 12/7/2009 10:30:00

Sample Type: Soil

Lab Sample ID: 5861121-MOIST FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MOISTURE	20.8			%	1	0.50	0.50	12/15/09	SM 2540 G		
LEAD	260			MG/KG	1	1.88	0.750	12/21/09	6010B	3050B	

Location: 536-289

Field Sample ID: POM-S-536-289(3.0-3.5)

Date Sampled: 12/7/2009 10:33:00

Sample Type: Soil

Lab Sample ID: 5861122-MOIST FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MOISTURE	58.0			%	1	0.50	0.50	12/15/09	SM 2540 G		
LEAD	840			MG/KG	1	3.43	1.37	12/21/09	6010B	3050B	

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Reporting Limit: MDL

Location: 536-321

Field Sample ID: POM-S-536-321(5.0-5.5)

Date Sampled: 12/7/2009 11:01:00

Sample Type: Soil

Lab Sample ID: 5861123-HG FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MERCURY	6.96		J	MG/KG	10	1.87	0.215	12/17/09	7471A		7471A MOD.
MOISTURE	49.5			%	1	0.50	0.50	12/15/09	SM 2540 G		
LEAD	40.0			MG/KG	1	2.94	1.18	12/21/09	6010B		3050B

Location: 536-284

Field Sample ID: POM-S-536-284(2.0-2.5)

Date Sampled: 12/7/2009 11:25:00

Sample Type: Soil

Lab Sample ID: 5861124-MOIST FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MOISTURE	14.8			%	1	0.50	0.50	12/15/09	SM 2540 G		
LEAD	16.5			MG/KG	1	1.73	0.690	12/21/09	6010B		3050B

Location: 536-284

Field Sample ID: POM-S-536-284(3.0-3.5)

Date Sampled: 12/7/2009 11:45:00

Sample Type: Soil

Lab Sample ID: 5861125-HG FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MERCURY	0.0420	J	J	MG/KG	1	0.121	0.0139	12/17/09	7471A		7471A MOD.
MOISTURE	21.9			%	1	0.50	0.50	12/15/09	SM 2540 G		
LEAD	4.89			MG/KG	1	1.85	0.739	12/21/09	6010B		3050B

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Location: 536-284

Field Sample ID: POM-S-536-284(4.0-4.5)

Date Sampled: 12/7/2009 11:50:00

Sample Type: Soil

Lab Sample ID: 5861126-HG FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MERCURY	< 0.0158		U	MG/KG	1	0.137	0.0158	12/17/09	7471A		7471A MOD.
MOISTURE	27.4			%	1	0.50	0.50	12/15/09	SM 2540 G		
LEAD	12.3			MG/KG	1	2.05	0.818	12/21/09	6010B		3050B

Location: 536-284

Field Sample ID: POM-S-536-284(5.0-5.5)

Date Sampled: 12/7/2009 12:00:00

Sample Type: Soil

Lab Sample ID: 5861127-HG FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MERCURY	0.0557	J	J	MG/KG	1	0.146	0.0168	12/17/09	7471A		7471A MOD.
MOISTURE	32.6			%	1	0.50	0.50	12/15/09	SM 2540 G		
LEAD	3.82			MG/KG	1	2.20	0.881	12/21/09	6010B		3050B

Location: 536-283

Field Sample ID: POM-S-536-283(1.0-1.5)

Date Sampled: 12/7/2009 12:25:00

Sample Type: Soil

Lab Sample ID: 5861128-HG FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MERCURY	9.80		J	MG/KG	20	2.84	0.326	12/17/09	7471A		7471A MOD.
MOISTURE	31.5			%	1	0.50	0.50	12/15/09	SM 2540 G		
LEAD	235			MG/KG	1	2.17	0.867	12/21/09	6010B		3050B

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Location: 536-283

Field Sample ID: POM-S-536-283(2.0-2.5)

Date Sampled: 12/7/2009 12:36:00

Sample Type: Soil

Lab Sample ID: 5861129-MOIST FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MOISTURE	56.8			%	1	0.50	0.50	12/15/09	SM 2540 G		
LEAD	1370			MG/KG	1	3.40	1.36	12/21/09	6010B	3050B	

Location: 536-283

Field Sample ID: POM-S-536-283(3.0-3.5)

Date Sampled: 12/7/2009 12:40:00

Sample Type: Soil

Lab Sample ID: 5861130-HG FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MERCURY	7.45		J	MG/KG	20	2.47	0.284	12/17/09	7471A	7471A MOD.	
MOISTURE	19.9			%	1	0.50	0.50	12/16/09	SM 2540 G		
LEAD	10.7			MG/KG	1	1.84	0.734	12/21/09	6010B	3050B	

Location: 536-EQBLK5

Field Sample ID: POM-K-536-EQBLK5

Date Sampled: 12/7/2009 16:15:00

Sample Type: Blank Water

Lab Sample ID: 5861131-HG EB

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MERCURY	< 0.000056		U	MG/L	1	0.00020	0.000056	12/15/09	7470A	METHOD	
LEAD	< 0.0069		U	MG/L	1	0.0150	0.0069	12/19/09	6010B	3010A	

Location: 536-EQBLK6

Field Sample ID: POM-K-536-EQBLK6

Date Sampled: 12/8/2009 17:00:00

Sample Type: Blank Water

Lab Sample ID: 5861132-HG EB

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MERCURY	< 0.000056		U	MG/L	1	0.00020	0.000056	12/15/09	7470A	METHOD	
LEAD	< 0.0069		U	MG/L	1	0.0150	0.0069	12/19/09	6010B	3010A	

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Location: 536-EQBLK7

Field Sample ID: POM-K-536-EQBLK7

Date Sampled: 12/9/2009 15:30:00

Sample Type: Blank Water

Lab Sample ID: 5861133-CU EB

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
COPPER	< 0.0027		U	MG/L	1	0.0100	0.0027	12/19/09	6010B		3010A
MERCURY	< 0.000056		U	MG/L	1	0.00020	0.000056	12/15/09	7470A		METHOD
LEAD	< 0.0069		U	MG/L	1	0.0150	0.0069	12/19/09	6010B		3010A

Location: 536-1D

Field Sample ID: POM-S-536-1D(5.5-6.0)

Date Sampled: 12/8/2009 15:37:00

Sample Type: Soil

Lab Sample ID: 5861134-HG FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MERCURY	26.8		J	MG/KG	20	7.79	0.895	12/17/09	7471A		7471A MOD.
MOISTURE	74.7			%	1	0.50	0.50	12/14/09	SM 2540 G		

Location: 536-295

Field Sample ID: POM-S-536-295(2.0-2.5)

Date Sampled: 12/8/2009 16:55:00

Sample Type: Soil

Lab Sample ID: 5861135-HG FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MERCURY	0.226		J	MG/KG	1	0.124	0.0143	12/17/09	7471A		7471A MOD.
MOISTURE	22.3			%	1	0.50	0.50	12/14/09	SM 2540 G		
LEAD	6.17			MG/KG	1	1.93	0.772	12/21/09	6010B		3050B

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Location: 536-295

Field Sample ID: POM-S-536-295(2.0-2.5)-DUP

Date Sampled: 12/8/2009 16:55:00

Sample Type: Soil

Lab Sample ID: 5861139-HG FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MERCURY	0.353		J	MG/KG	1	0.125	0.0143	12/17/09	7471A		7471A MOD.
MOISTURE	20.9			%	1	0.50	0.50	12/14/09	SM 2540 G		
LEAD	6.25			MG/KG	1	1.88	0.751	12/21/09	6010B		3050B

Location: 536-295

Field Sample ID: POM-S-536-295(3.0-3.5)

Date Sampled: 12/8/2009 17:05:00

Sample Type: Soil

Lab Sample ID: 5861140-HG FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MERCURY	8.92		J	MG/KG	10	2.76	0.317	12/17/09	7471A		7471A MOD.
MOISTURE	63.9			%	1	0.50	0.50	12/14/09	SM 2540 G		
LEAD	23.5			MG/KG	1	4.11	1.65	12/21/09	6010B		3050B

Location: 536-299

Field Sample ID: POM-S-536-299(1.0-1.5)

Date Sampled: 12/9/2009 13:52:00

Sample Type: Soil

Lab Sample ID: 5861141-HG FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MERCURY	12.1		J	MG/KG	50	6.95	0.799	12/17/09	7471A		7471A MOD.
MOISTURE	29.0			%	1	0.50	0.50	12/14/09	SM 2540 G		
LEAD	343			MG/KG	1	2.03	0.813	12/21/09	6010B		3050B

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Reporting Limit: MDL

Location: 536-299

Field Sample ID: POM-S-536-299(2.0-2.5)

Date Sampled: 12/9/2009 13:55:00

Sample Type: Soil

Lab Sample ID: 5861142-MOIST FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MOISTURE	33.7			%	1	0.50	0.50	12/14/09	SM 2540 G		
LEAD	555			MG/KG	1	2.18	0.870	12/21/09	6010B	3050B	

Location: 536-299

Field Sample ID: POM-S-536-299(3.0-3.5)

Date Sampled: 12/9/2009 13:57:00

Sample Type: Soil

Lab Sample ID: 5861143-MOIST FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MOISTURE	15.9			%	1	0.50	0.50	12/14/09	SM 2540 G		
LEAD	128			MG/KG	1	1.75	0.699	12/21/09	6010B	3050B	

Location: 536-35D

Field Sample ID: POM-S-536-35D(1.0-1.5)

Date Sampled: 12/9/2009 14:26:00

Sample Type: Soil

Lab Sample ID: 5861144-CU FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
COPPER	880			MG/KG	1	1.59	0.317	12/21/09	6010B	3050B	
MOISTURE	38.2			%	1	0.50	0.50	12/14/09	SM 2540 G		
LEAD	630			MG/KG	1	2.38	0.952	12/21/09	6010B	3050B	

Location: 536-292

Field Sample ID: POM-S-536-292(1.0-1.5)

Date Sampled: 12/9/2009 15:10:00

Sample Type: Soil

Lab Sample ID: 5861145-MOIST FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MOISTURE	19.4			%	1	0.50	0.50	12/14/09	SM 2540 G		
LEAD	116			MG/KG	1	1.86	0.744	12/21/09	6010B	3050B	

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Reporting Limit: MDL

Location: 536-292

Field Sample ID: POM-S-536-292(2.0-2.5)

Date Sampled: 12/9/2009 15:15:00

Sample Type: Soil

Lab Sample ID: 5861146-MOIST FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MOISTURE	54.7			%	1	0.50	0.50	12/14/09	SM 2540 G		
LEAD	1090			MG/KG	1	3.28	1.31	12/21/09	6010B	3050B	

Location: 536-292

Field Sample ID: POM-S-536-292(3.0-3.5)

Date Sampled: 12/9/2009 15:20:00

Sample Type: Soil

Lab Sample ID: 5861147-HG FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MERCURY	0.464		J	MG/KG	1	0.116	0.0133	12/17/09	7471A	7471A MOD.	
MOISTURE	15.4			%	1	0.50	0.50	12/14/09	SM 2540 G		
LEAD	5.40			MG/KG	1	1.72	0.689	12/23/09	6010B	3050B	

Location: 536-EQBLK8

Field Sample ID: POM-K-536-EQBLK8

Date Sampled: 12/10/2009 15:00:00

Sample Type: Blank Water

Lab Sample ID: 5863236-HG EB

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MERCURY	0.000074	J	J	MG/L	1	0.00020	0.000056	12/15/09	7470A	METHOD	
LEAD	< 0.0069	U		MG/L	1	0.0150	0.0069	12/19/09	6010B	3010A	

Location: 536-294

Field Sample ID: POM-S-536-294(1.0-1.5)

Date Sampled: 12/10/2009 11:30:00

Sample Type: Soil

Lab Sample ID: 5863226-MOIST FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MOISTURE	52.9			%	1	0.50	0.50	12/14/09	SM 2540 G		
LEAD	626			MG/KG	1	3.18	1.27	12/22/09	6010B	3050B	

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Reporting Limit: MDL

Location: 536-294

Field Sample ID: POM-S-536-294(3.0-3.5)

Date Sampled: 12/10/2009 11:40:00

Sample Type: Soil

Lab Sample ID: 5863227-HG FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MERCURY	0.536		J	MG/KG	1	0.114	0.0131	12/21/09	7471A		7471A MOD.
MOISTURE	15.6			%	1	0.50	0.50	12/14/09	SM 2540 G		

Location: 536-285

Field Sample ID: POM-S-536-285(1.0-1.5)

Date Sampled: 12/10/2009 14:56:00

Sample Type: Soil

Lab Sample ID: 5863228-MOIST FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MOISTURE	66.2			%	1	0.50	0.50	12/14/09	SM 2540 G		
LEAD	609			MG/KG	1	4.35	1.74	12/22/09	6010B		3050B

Location: 536-285

Field Sample ID: POM-S-536-285(2.0-2.5)

Date Sampled: 12/10/2009 15:02:00

Sample Type: Soil

Lab Sample ID: 5863229-MOIST FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MOISTURE	57.1			%	1	0.50	0.50	12/14/09	SM 2540 G		
LEAD	826			MG/KG	1	3.46	1.38	12/22/09	6010B		3050B

Location: 536-285

Field Sample ID: POM-S-536-285(4.0-4.5)

Date Sampled: 12/10/2009 15:04:00

Sample Type: Soil

Lab Sample ID: 5863230-MOIST FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MOISTURE	19.2			%	1	0.50	0.50	12/14/09	SM 2540 G		
LEAD	20.5			MG/KG	1	1.86	0.743	12/22/09	6010B		3050B

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Reporting Limit: MDL

Location: 536-285

Field Sample ID: POM-S-536-285(5.0-5.5)

Date Sampled: 12/10/2009 15:06:00

Sample Type: Soil

Lab Sample ID: 5863231-MOIST FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
<u>Analytes</u>											
MOISTURE	60.0			%	1	0.50	0.50	12/14/09	SM 2540 G		
LEAD	1040			MG/KG	1	3.75	1.50	12/22/09	6010B	3050B	

Location: 536-285

Field Sample ID: POM-S-536-285(2.0-2.5)-DUP

Date Sampled: 12/10/2009 15:02:00

Sample Type: Soil

Lab Sample ID: 5863235-MOIST FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
<u>Analytes</u>											
MOISTURE	56.8			%	1	0.50	0.50	12/14/09	SM 2540 G		
LEAD	776			MG/KG	1	3.40	1.36	12/22/09	6010B	3050B	

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Batch Identifier 260146 3010A 6010B 14-DEC-09 093455705009 11016

Method Number: 6010B Prep Method: 3010A Pre-prep:
Batch Start Date: 12/14/2009 Instrument: 11016

Analyte/Parameter	Result	Unit	MDL	PQL	RPR	RPR Limits		RPD	
						Min	Max	RPD	Max
Sample Type SILVER	LCS 0.0531	Lab Sample ID: P34505IQQ-AG MG/L	LCS 0.0023	Lab: LANCAS 0.0050	106	83	120		
Sample Type ARSENIC	LCS 0.155	Lab Sample ID: P34505IQQ-AS MG/L	LCS 0.0072	Lab: LANCAS 0.0200	104	89	115		
Sample Type BARIUM	LCS 2.07	Lab Sample ID: P34505IQQ-BA MG/L	LCS 0.00060	Lab: LANCAS 0.0050	103	90	110		
Sample Type BERYLLIUM	LCS 0.0520	Lab Sample ID: P34505IQQ-BE MG/L	LCS 0.0014	Lab: LANCAS 0.0050	104	90	112		
Sample Type CADMIUM	LCS 0.0519	Lab Sample ID: P34505IQQ-CD MG/L	LCS 0.0020	Lab: LANCAS 0.0050	104	90	112		
Sample Type CHROMIUM	LCS 0.208	Lab Sample ID: P34505IQQ-CR MG/L	LCS 0.0034	Lab: LANCAS 0.0150	104	90	110		
Sample Type COPPER	LCS 0.264	Lab Sample ID: P34505IQQ-CU MG/L	LCS 0.0027	Lab: LANCAS 0.0100	105	90	112		
Sample Type IRON	LCS 1.04	Lab Sample ID: P34505IQQ-FE MG/L	LCS 0.0522	Lab: LANCAS 0.200	104	90	112		
Sample Type NICKEL	LCS 0.519	Lab Sample ID: P34505IQQ-NI MG/L	LCS 0.0018	Lab: LANCAS 0.0100	104	90	111		
Sample Type LEAD	LCS 0.156	Lab Sample ID: P34505IQQ-PB MG/L	LCS 0.0069	Lab: LANCAS 0.0150	104	80	120		
Sample Type ZINC	LCS 0.521	Lab Sample ID: P34505IQQ-ZN MG/L	LCS 0.0081	Lab: LANCAS 0.0200	104	90	111		
Sample Type SILVER	MB < 0.0023	Lab Sample ID: P34505IBB-AG MG/L	MB 0.0023	Lab: LANCAS 0.0050					
Sample Type ARSENIC	MB < 0.0072	Lab Sample ID: P34505IBB-AS MG/L	MB 0.0072	Lab: LANCAS 0.0200					
Sample Type BARIUM	MB < 0.00060	Lab Sample ID: P34505IBB-BA MG/L	MB 0.00060	Lab: LANCAS 0.0050					
Sample Type BERYLLIUM	MB < 0.0014	Lab Sample ID: P34505IBB-BE MG/L	MB 0.0014	Lab: LANCAS 0.0050					
Sample Type CADMIUM	MB < 0.0020	Lab Sample ID: P34505IBB-CD MG/L	MB 0.0020	Lab: LANCAS 0.0050					
Sample Type CHROMIUM	MB < 0.0034	Lab Sample ID: P34505IBB-CR MG/L	MB 0.0034	Lab: LANCAS 0.0150					
Sample Type COPPER	MB < 0.0027	Lab Sample ID: P34505IBB-CU MG/L	MB 0.0027	Lab: LANCAS 0.0100					
Sample Type IRON	MB < 0.0522	Lab Sample ID: P34505IBB-FE MG/L	MB 0.0522	Lab: LANCAS 0.200					
Sample Type NICKEL	MB < 0.0018	Lab Sample ID: P34505IBB-NI MG/L	MB 0.0018	Lab: LANCAS 0.0100					
Sample Type LEAD	MB < 0.0069	Lab Sample ID: P34505IBB-PB MG/L	MB 0.0069	Lab: LANCAS 0.0150					
Sample Type ZINC	MB < 0.0081	Lab Sample ID: P34505IBB-ZN MG/L	MB 0.0081	Lab: LANCAS 0.0200					
Sample Type SILVER	MS 0.0532	Lab Sample ID: 5858932-AG MG/L	MS 0.0023	Lab: LANCAS 0.0050	106	75	125		
Sample Type ARSENIC	MS 0.164	Lab Sample ID: 5858932-AS MG/L	MS 0.0072	Lab: LANCAS 0.0200	109	75	125		
Sample Type BARIUM	MS 2.40	Lab Sample ID: 5858932-BA MG/L	MS 0.00060	Lab: LANCAS 0.0050	103	78	118		
Sample Type BERYLLIUM	MS 0.0529	Lab Sample ID: 5858932-BE MG/L	MS 0.0014	Lab: LANCAS 0.0050	106	87	114		
Sample Type CADMIUM	MS 0.0506	Lab Sample ID: 5858932-CD MG/L	MS 0.0020	Lab: LANCAS 0.0050	101	83	116		
Sample Type CHROMIUM	MS 0.258	Lab Sample ID: 5858932-CR MG/L	MS 0.0034	Lab: LANCAS 0.0150	127	81	120		
Sample Type COPPER	MS 0.319	Lab Sample ID: 5858932-CU MG/L	MS 0.0027	Lab: LANCAS 0.0100	118	86	122		
Sample Type IRON	MS 13.8	Lab Sample ID: 5858932-FE MG/L	MS 0.0522	Lab: LANCAS 0.200	NC	75	125	NC	
Sample Type NICKEL	MS 0.540	Lab Sample ID: 5858932-NI MG/L	MS 0.0018	Lab: LANCAS 0.0100	106	86	115		

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Analyte/Parameter	Result	Unit	MDL	PQL	RPR	RPR Limits		RPD	
						Min	Max	RPD	Max
Sample Type MS	Lab Sample ID: 5858932-PB MS			Lab: LANCAS					
LEAD	0.154	MG/L	0.0069	0.0150	103	75	125		
Sample Type MS	Lab Sample ID: 5858932-ZN MS			Lab: LANCAS					
ZINC	0.555	MG/L	0.0081	0.0200	106	85	117		
Sample Type MSD	Lab Sample ID: 5858932-AG MSD			Lab: LANCAS					
SILVER	0.0528	MG/L	0.0023	0.0050	106	75	125	1	20
Sample Type MSD	Lab Sample ID: 5858932-AS MSD			Lab: LANCAS					
ARSENIC	0.166	MG/L	0.0072	0.0200	110	75	125	1	20
Sample Type MSD	Lab Sample ID: 5858932-BA MSD			Lab: LANCAS					
BARIUM	2.34	MG/L	0.00060	0.0050	100	78	118	3	20
Sample Type MSD	Lab Sample ID: 5858932-BE MSD			Lab: LANCAS					
BERYLLIUM	0.0528	MG/L	0.0014	0.0050	106	87	114	0	20
Sample Type MSD	Lab Sample ID: 5858932-CD MSD			Lab: LANCAS					
CADMIUM	0.0500	MG/L	0.0020	0.0050	100	83	116	1	20
Sample Type MSD	Lab Sample ID: 5858932-CR MSD			Lab: LANCAS					
CHROMIUM	0.247	MG/L	0.0034	0.0150	121	81	120	5	20
Sample Type MSD	Lab Sample ID: 5858932-CU MSD			Lab: LANCAS					
COPPER	0.367	MG/L	0.0027	0.0100	137	86	122	14	20
Sample Type MSD	Lab Sample ID: 5858932-FE MSD			Lab: LANCAS					
IRON	10.2	MG/L	0.0522	0.200	NC	75	125	NC	20
Sample Type MSD	Lab Sample ID: 5858932-NI MSD			Lab: LANCAS					
NICKEL	0.529	MG/L	0.0018	0.0100	104	86	115	2	20
Sample Type MSD	Lab Sample ID: 5858932-PB MSD			Lab: LANCAS					
LEAD	0.152	MG/L	0.0069	0.0150	102	75	125	1	20
Sample Type MSD	Lab Sample ID: 5858932-ZN MSD			Lab: LANCAS					
ZINC	0.600	MG/L	0.0081	0.0200	115	85	117	8	20
Sample Type REP	Lab Sample ID: 5858932-AG REP			Lab: LANCAS					
SILVER	< 0.0023	MG/L	0.0023	0.0050				0	20
Sample Type REP	Lab Sample ID: 5858932-AS REP			Lab: LANCAS					
ARSENIC	0.0075	MG/L	0.0072	0.0200				200	20
Sample Type REP	Lab Sample ID: 5858932-BA REP			Lab: LANCAS					
BARIUM	0.347	MG/L	0.00060	0.0050				1	20
Sample Type REP	Lab Sample ID: 5858932-BE REP			Lab: LANCAS					
BERYLLIUM	< 0.0014	MG/L	0.0014	0.0050				0	20
Sample Type REP	Lab Sample ID: 5858932-CD REP			Lab: LANCAS					
CADMIUM	< 0.0020	MG/L	0.0020	0.0050				0	20
Sample Type REP	Lab Sample ID: 5858932-CR REP			Lab: LANCAS					
CHROMIUM	0.0035	MG/L	0.0034	0.0150				24	20
Sample Type REP	Lab Sample ID: 5858932-CU REP			Lab: LANCAS					
COPPER	0.0245	MG/L	0.0027	0.0100				1	20
Sample Type REP	Lab Sample ID: 5858932-FE REP			Lab: LANCAS					
IRON	11.9	MG/L	0.0522	0.200				0	20
Sample Type REP	Lab Sample ID: 5858932-NI REP			Lab: LANCAS					
NICKEL	0.0055	MG/L	0.0018	0.0100				31	20
Sample Type REP	Lab Sample ID: 5858932-PB REP			Lab: LANCAS					
LEAD	< 0.0069	MG/L	0.0069	0.0150				0	20
Sample Type REP	Lab Sample ID: 5858932-ZN REP			Lab: LANCAS					
ZINC	0.0260	MG/L	0.0081	0.0200				1	20

The following field samples are included in this batch:

Sampleno	Datesmpl	Lab Id	Lab
POM-K-536-EQBLK5	12/7/2009	5861131-PB EB	LANCAS
POM-K-536-EQBLK6	12/8/2009	5861132-PB EB	LANCAS
POM-K-536-EQBLK7	12/9/2009	5861133-CU EB	LANCAS
POM-K-536-EQBLK7	12/9/2009	5861133-PB EB	LANCAS

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Batch Identifier 260147 METHOD 7470A 14-DEC-09 093455713010 62347

Method Number: 7470A Prep Method: METHOD Pre-prep:
Batch Start Date: 12/14/2009 Instrument: 62347

Analyte/Parameter	Result	Unit	MDL	PQL	RPR	RPR Limits		RPD	RPD Max
						Min	Max		
Sample Type MERCURY	LCS 0.00092	Lab Sample ID: P34513JQQ-HG LCS MG/L	0.000056	Lab: LANCAS 0.00020	92	80	120		
Sample Type MERCURY	MB < 0.000056	Lab Sample ID: P34513JBB-HG MB MG/L	0.000056	Lab: LANCAS 0.00020					
Sample Type MERCURY	MS 0.00089	Lab Sample ID: 5860037-HG MS MG/L	0.000056	Lab: LANCAS 0.00020	89	80	120		
Sample Type MERCURY	MSD 0.00092	Lab Sample ID: 5860037-HG MSD MG/L	0.000056	Lab: LANCAS 0.00020	92	80	120	3	20
Sample Type MERCURY	REP < 0.000056	Lab Sample ID: 5860037-HG REP MG/L	0.000056	Lab: LANCAS 0.00020				0	20

The following field samples are included in this batch:

Sampleno	Datesmpl	Lab Id	Lab
POM-K-536-EQBLK5	12/7/2009	5861131-HG EB	LANCAS
POM-K-536-EQBLK6	12/8/2009	5861132-HG EB	LANCAS
POM-K-536-EQBLK7	12/9/2009	5861133-HG EB	LANCAS

Batch Identifier 260212 7471A MOD. 7471A 17-DEC-09 093505711002 62347

Method Number: 7471A Prep Method: 7471A MOD. Pre-prep:
Batch Start Date: 12/17/2009 Instrument: 62347

Analyte/Parameter	Result	Unit	MDL	PQL	RPR	RPR Limits		RPD	RPD Max
						Min	Max		
Sample Type MERCURY	LCS 11.3	Lab Sample ID: P35011BQQ-HG LCS MG/KG	0.218	Lab: LANCAS 1.90	96	66	135		
Sample Type MERCURY	MB < 0.0111	Lab Sample ID: P35011BBB-HG MB MG/KG	0.0111	Lab: LANCAS 0.0965					
Sample Type MERCURY	MS 0.378	Lab Sample ID: 5861135-HG MS MG/KG	0.0111	Lab: LANCAS 0.0970	126	80	120		
Sample Type MERCURY	MSD 0.393	Lab Sample ID: 5861135-HG MSD MG/KG	0.0111	Lab: LANCAS 0.0971	135	80	120	4	20
Sample Type MERCURY	REP 0.245	Lab Sample ID: 5861135-HG REP MG/KG	0.0111	Lab: LANCAS 0.0962				33	20

The following field samples are included in this batch:

Sampleno	Datesmpl	Lab Id	Lab
POM-S-536-1D(5.5-6.0)	12/8/2009	5861134-HG FS	LANCAS
POM-S-536-282(4.0-4.5)	12/7/2009	5861114-HG FS	LANCAS
POM-S-536-282(5.0-5.5)	12/7/2009	5861115-HG FS	LANCAS
POM-S-536-283(1.0-1.5)	12/7/2009	5861128-HG FS	LANCAS
POM-S-536-283(3.0-3.5)	12/7/2009	5861130-HG FS	LANCAS
POM-S-536-283(4.0-4.5)	12/7/2009	5861110-HG FS	LANCAS
POM-S-536-283(5.0-5.5)	12/7/2009	5861111-HG FS	LANCAS
POM-S-536-284(3.0-3.5)	12/7/2009	5861125-HG FS	LANCAS
POM-S-536-284(4.0-4.5)	12/7/2009	5861126-HG FS	LANCAS
POM-S-536-284(5.0-5.5)	12/7/2009	5861127-HG FS	LANCAS
POM-S-536-288(1.0-1.5)	12/8/2009	5861118-HG FS	LANCAS
POM-S-536-289(1.0-1.5)	12/7/2009	5861120-HG FS	LANCAS
POM-S-536-292(3.0-3.5)	12/9/2009	5861147-HG FS	LANCAS
POM-S-536-295(2.0-2.5)	12/8/2009	5861135-HG FS	LANCAS
POM-S-536-295(2.0-2.5)-DUP	12/8/2009	5861139-HG FS	LANCAS
POM-S-536-295(3.0-3.5)	12/8/2009	5861140-HG FS	LANCAS
POM-S-536-299(1.0-1.5)	12/9/2009	5861141-HG FS	LANCAS
POM-S-536-321(5.0-5.5)	12/7/2009	5861123-HG FS	LANCAS
POM-S-536-70D(4.0-4.5)	12/8/2009	5861117-HG FS	LANCAS

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Batch Identifier 260213 3050B 6010B 16-DEC-09 093505708003 05478

Method Number: 6010B Prep Method: 3050B Pre-prep:
Batch Start Date: 12/16/2009 Instrument: 05478

Analyte/Parameter	Result	Unit	MDL	PQL	RPR	RPR Limits		RPD	
						Min	Max	RPD	Max
Sample Type	LCS	Lab Sample ID: P35008CQQ-PB LCS			Lab: LANCAS				
LEAD	70.4	MG/KG	0.600	1.50	98	85	114		
Sample Type	MB	Lab Sample ID: P35008CBB-PB MB			Lab: LANCAS				
LEAD	< 0.600	MG/KG	0.600	1.50					
Sample Type	MS	Lab Sample ID: 5861110-PB MS			Lab: LANCAS				
LEAD	18.1	MG/KG	0.600	1.50	96	75	125		
Sample Type	MSD	Lab Sample ID: 5861110-PB MSD			Lab: LANCAS				
LEAD	18.6	MG/KG	0.600	1.50	99	75	125	3	20
Sample Type	REP	Lab Sample ID: 5861110-PB REP			Lab: LANCAS				
LEAD	2.64	MG/KG	0.600	1.50				35	20

The following field samples are included in this batch:

Sampleno	Datesmpl	Lab Id	Lab
POM-S-536-20D(5.5-6.0)	12/8/2009	5861116-PB FS	LANCAS
POM-S-536-282(1.0-1.5)	12/7/2009	5861112-PB FS	LANCAS
POM-S-536-282(3.0-3.5)	12/7/2009	5861113-PB FS	LANCAS
POM-S-536-282(4.0-4.5)	12/7/2009	5861114-PB FS	LANCAS
POM-S-536-282(5.0-5.5)	12/7/2009	5861115-PB FS	LANCAS
POM-S-536-283(1.0-1.5)	12/7/2009	5861128-PB FS	LANCAS
POM-S-536-283(2.0-2.5)	12/7/2009	5861129-PB FS	LANCAS
POM-S-536-283(4.0-4.5)	12/7/2009	5861110-PB FS	LANCAS
POM-S-536-283(5.0-5.5)	12/7/2009	5861111-PB FS	LANCAS
POM-S-536-284(2.0-2.5)	12/7/2009	5861124-PB FS	LANCAS
POM-S-536-284(3.0-3.5)	12/7/2009	5861125-PB FS	LANCAS
POM-S-536-284(4.0-4.5)	12/7/2009	5861126-PB FS	LANCAS
POM-S-536-284(5.0-5.5)	12/7/2009	5861127-PB FS	LANCAS
POM-S-536-288(1.0-1.5)	12/8/2009	5861118-PB FS	LANCAS
POM-S-536-288(3.0-3.5)	12/8/2009	5861119-PB FS	LANCAS
POM-S-536-289(1.0-1.5)	12/7/2009	5861120-PB FS	LANCAS
POM-S-536-289(2.0-2.5)	12/7/2009	5861121-PB FS	LANCAS
POM-S-536-289(3.0-3.5)	12/7/2009	5861122-PB FS	LANCAS
POM-S-536-321(5.0-5.5)	12/7/2009	5861123-PB FS	LANCAS
POM-S-536-70D(4.0-4.5)	12/8/2009	5861117-PB FS	LANCAS

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Batch Identifier 260214 SM 2540 G 15-DEC-09 09349820004A 9001

Method Number: SM 2540 G Prep Method: Pre-prep:
Batch Start Date: 12/15/2009 Instrument: 9001

Analyte/Parameter	Result	Unit	MDL	PQL	RPR	RPR Limits		RPD	
						Min	Max	RPD	Max
Sample Type MOISTURE	LCS	Lab Sample ID: LC34914Q-MOIST LCS		Lab: LANCAS					
	89.4	%	0.50	0.50	100	99	101		
Sample Type MOISTURE	REP	Lab Sample ID: 5861115-MOIST REP		Lab: LANCAS					
	67.2	%	0.50	0.50				1	15

The following field samples are included in this batch:

Sampleno	Datesmpl	Lab Id	Lab
POM-S-536-20D(5.5-6.0)	12/8/2009	5861116-MOIST FS	LANCAS
POM-S-536-282(1.0-1.5)	12/7/2009	5861112-MOIST FS	LANCAS
POM-S-536-282(3.0-3.5)	12/7/2009	5861113-MOIST FS	LANCAS
POM-S-536-282(4.0-4.5)	12/7/2009	5861114-MOIST FS	LANCAS
POM-S-536-282(5.0-5.5)	12/7/2009	5861115-MOIST FS	LANCAS
POM-S-536-283(4.0-4.5)	12/7/2009	5861110-MOIST FS	LANCAS
POM-S-536-283(5.0-5.5)	12/7/2009	5861111-MOIST FS	LANCAS
POM-S-536-288(1.0-1.5)	12/8/2009	5861118-MOIST FS	LANCAS
POM-S-536-288(3.0-3.5)	12/8/2009	5861119-MOIST FS	LANCAS
POM-S-536-70D(4.0-4.5)	12/8/2009	5861117-MOIST FS	LANCAS

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Batch Identifier 260215 3050B 6010B 16-DEC-09 093505708004 05478

Method Number: 6010B Prep Method: 3050B Pre-prep:
Batch Start Date: 12/16/2009 Instrument: 05478

Analyte/Parameter	Result	Unit	MDL	PQL	RPR	RPR Limits		RPD	
						Min	Max	RPD	Max
Sample Type COPPER	LCS 76.8	Lab Sample ID: P35008DQQ-CU MG/KG	LCS 0.200	Lab: LANCAS 1.00	96	90	110		
Sample Type LEAD	LCS 71.2	Lab Sample ID: P35008DQQ-PB MG/KG	LCS 0.600	Lab: LANCAS 1.50	99	85	114		
Sample Type COPPER	MB < 0.200	Lab Sample ID: P35008DBB-CU MG/KG	MB 0.200	Lab: LANCAS 1.00					
Sample Type LEAD	MB < 0.600	Lab Sample ID: P35008DBB-PB MG/KG	MB 0.600	Lab: LANCAS 1.50					
Sample Type COPPER	MS 38.9	Lab Sample ID: 5861135-CU MG/KG	MS 0.200	Lab: LANCAS 1.00	102	75	125		
Sample Type LEAD	MS 20.6	Lab Sample ID: 5861135-PB MG/KG	MS 0.600	Lab: LANCAS 1.50	106	75	125		
Sample Type COPPER	MSD 38.6	Lab Sample ID: 5861135-CU MG/KG	MSD 0.200	Lab: LANCAS 1.00	101	75	125	1	20
Sample Type LEAD	MSD 20.8	Lab Sample ID: 5861135-PB MG/KG	MSD 0.600	Lab: LANCAS 1.50	107	75	125	1	20
Sample Type COPPER	REP 9.94	Lab Sample ID: 5861135-CU MG/KG	REP 0.200	Lab: LANCAS 1.00				30	20
Sample Type LEAD	REP 3.88	Lab Sample ID: 5861135-PB MG/KG	REP 0.600	Lab: LANCAS 1.50				21	20

The following field samples are included in this batch:

Sampleno	Datesmpl	Lab Id	Lab
POM-S-536-283(3.0-3.5)	12/7/2009	5861130-PB FS	LANCAS
POM-S-536-292(1.0-1.5)	12/9/2009	5861145-PB FS	LANCAS
POM-S-536-292(2.0-2.5)	12/9/2009	5861146-PB FS	LANCAS
POM-S-536-292(3.0-3.5)	12/9/2009	5861147-PB FS	LANCAS
POM-S-536-295(2.0-2.5)	12/8/2009	5861135-PB FS	LANCAS
POM-S-536-295(2.0-2.5)-DUP	12/8/2009	5861139-PB FS	LANCAS
POM-S-536-295(3.0-3.5)	12/8/2009	5861140-PB FS	LANCAS
POM-S-536-299(1.0-1.5)	12/9/2009	5861141-PB FS	LANCAS
POM-S-536-299(2.0-2.5)	12/9/2009	5861142-PB FS	LANCAS
POM-S-536-299(3.0-3.5)	12/9/2009	5861143-PB FS	LANCAS
POM-S-536-35D(1.0-1.5)	12/9/2009	5861144-CU FS	LANCAS
POM-S-536-35D(1.0-1.5)	12/9/2009	5861144-PB FS	LANCAS

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Batch Identifier 260216 SM 2540 G 15-DEC-09 09349820004B 9001

Method Number: SM 2540 G Prep Method: Pre-prep:
Batch Start Date: 12/15/2009 Instrument: 9001

Analyte/Parameter	Result	Unit	MDL	PQL	RPR	RPR Limits		RPD	RPD Max
						Min	Max		
Sample Type MOISTURE	LCS	Lab Sample ID: LC34914Q-MOIST LCS		Lab: LANCAS					
	89.4	%	0.50	0.50	100	99	101		
Sample Type MOISTURE	REP	Lab Sample ID: 5861122-MOIST REP		Lab: LANCAS				10	15
	52.7	%	0.50	0.50					

The following field samples are included in this batch:

Sampleno	Datesmpl	Lab Id	Lab
POM-S-536-283(1.0-1.5)	12/7/2009	5861128-MOIST FS	LANCAS
POM-S-536-283(2.0-2.5)	12/7/2009	5861129-MOIST FS	LANCAS
POM-S-536-284(2.0-2.5)	12/7/2009	5861124-MOIST FS	LANCAS
POM-S-536-284(3.0-3.5)	12/7/2009	5861125-MOIST FS	LANCAS
POM-S-536-284(4.0-4.5)	12/7/2009	5861126-MOIST FS	LANCAS
POM-S-536-284(5.0-5.5)	12/7/2009	5861127-MOIST FS	LANCAS
POM-S-536-289(1.0-1.5)	12/7/2009	5861120-MOIST FS	LANCAS
POM-S-536-289(2.0-2.5)	12/7/2009	5861121-MOIST FS	LANCAS
POM-S-536-289(3.0-3.5)	12/7/2009	5861122-MOIST FS	LANCAS
POM-S-536-321(5.0-5.5)	12/7/2009	5861123-MOIST FS	LANCAS

Batch Identifier 260217 SM 2540 G 16-DEC-09 09350820002A 9001

Method Number: SM 2540 G Prep Method: Pre-prep:
Batch Start Date: 12/16/2009 Instrument: 9001

Analyte/Parameter	Result	Unit	MDL	PQL	RPR	RPR Limits		RPD	RPD Max
						Min	Max		
Sample Type MOISTURE	LCS	Lab Sample ID: LC35012Q-MOIST LCS		Lab: LANCAS					
	89.3	%	0.50	0.50	100	99	101		
Sample Type MOISTURE	REP	Lab Sample ID: P861436-MOIST REP		Lab: LANCAS				6	15
	28.0	%	0.50	0.50					

The following field samples are included in this batch:

Sampleno	Datesmpl	Lab Id	Lab
POM-S-536-283(3.0-3.5)	12/7/2009	5861130-MOIST FS	LANCAS

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Batch Identifier 260224 SM 2540 G 14-DEC-09 09348820002A 9001

Method Number: SM 2540 G Prep Method: Pre-prep:
Batch Start Date: 12/14/2009 Instrument: 9001

Analyte/Parameter	Result	Unit	MDL	PQL	RPR	RPR Limits		RPD	
						Min	Max	RPD	Max
Sample Type MOISTURE	LCS	Lab Sample ID: LC34812Q-MOIST LCS		Lab: LANCAS					
	89.2	%	0.50	0.50	100	99	101		
Sample Type MOISTURE	REP	Lab Sample ID: 5861135-MOIST REP		Lab: LANCAS				4	15
	23.3	%	0.50	0.50					

The following field samples are included in this batch:

Sampleno	Datesmpl	Lab Id	Lab
POM-S-536-1D(5.5-6.0)	12/8/2009	5861134-MOIST FS	LANCAS
POM-S-536-292(1.0-1.5)	12/9/2009	5861145-MOIST FS	LANCAS
POM-S-536-292(2.0-2.5)	12/9/2009	5861146-MOIST FS	LANCAS
POM-S-536-292(3.0-3.5)	12/9/2009	5861147-MOIST FS	LANCAS
POM-S-536-295(2.0-2.5)	12/8/2009	5861135-MOIST FS	LANCAS
POM-S-536-295(2.0-2.5)-DUP	12/8/2009	5861139-MOIST FS	LANCAS
POM-S-536-295(3.0-3.5)	12/8/2009	5861140-MOIST FS	LANCAS
POM-S-536-299(1.0-1.5)	12/9/2009	5861141-MOIST FS	LANCAS
POM-S-536-299(2.0-2.5)	12/9/2009	5861142-MOIST FS	LANCAS
POM-S-536-299(3.0-3.5)	12/9/2009	5861143-MOIST FS	LANCAS
POM-S-536-35D(1.0-1.5)	12/9/2009	5861144-MOIST FS	LANCAS

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Batch Identifier 260235 3010A 6010B 14-DEC-09 093485705001 11016

Method Number: 6010B Prep Method: 3010A Pre-prep:
Batch Start Date: 12/14/2009 Instrument: 11016

Analyte/Parameter	Result	Unit	MDL	PQL	RPR	RPR Limits		RPD	
						Min	Max	RPD	Max
Sample Type SILVER	LCS 0.0538	Lab Sample ID: P34805AQQ-AG MG/L	LCS 0.0023	Lab: LANCAS 0.0050	108	83	120		
Sample Type ARSENIC	LCS 0.154	Lab Sample ID: P34805AQQ-AS MG/L	LCS 0.0072	Lab: LANCAS 0.0200	103	89	115		
Sample Type BARIUM	LCS 2.07	Lab Sample ID: P34805AQQ-BA MG/L	LCS 0.00060	Lab: LANCAS 0.0050	104	90	110		
Sample Type BERYLLIUM	LCS 0.0527	Lab Sample ID: P34805AQQ-BE MG/L	LCS 0.0014	Lab: LANCAS 0.0050	105	90	112		
Sample Type CHROMIUM	LCS 0.207	Lab Sample ID: P34805AQQ-CR MG/L	LCS 0.0034	Lab: LANCAS 0.0150	104	90	110		
Sample Type COPPER	LCS 0.265	Lab Sample ID: P34805AQQ-CU MG/L	LCS 0.0027	Lab: LANCAS 0.0100	106	90	112		
Sample Type NICKEL	LCS 0.513	Lab Sample ID: P34805AQQ-NI MG/L	LCS 0.0018	Lab: LANCAS 0.0100	103	90	111		
Sample Type LEAD	LCS 0.154	Lab Sample ID: P34805AQQ-PB MG/L	LCS 0.0069	Lab: LANCAS 0.0150	103	80	120		
Sample Type ANTIMONY	LCS 0.553	Lab Sample ID: P34805AQQ-SB MG/L	LCS 0.0097	Lab: LANCAS 0.0200	111	88	111		
Sample Type SELENIUM	LCS 0.157	Lab Sample ID: P34805AQQ-SE MG/L	LCS 0.0089	Lab: LANCAS 0.0200	104	80	120		
Sample Type THALLIUM	LCS 0.146	Lab Sample ID: P34805AQQ-TL MG/L	LCS 0.0140	Lab: LANCAS 0.0300	97	85	113		
Sample Type ZINC	LCS 0.514	Lab Sample ID: P34805AQQ-ZN MG/L	LCS 0.0081	Lab: LANCAS 0.0200	103	90	111		
Sample Type SILVER	MB < 0.0023	Lab Sample ID: P34805ABB-AG MG/L	MB 0.0023	Lab: LANCAS 0.0050					
Sample Type ARSENIC	MB < 0.0072	Lab Sample ID: P34805ABB-AS MG/L	MB 0.0072	Lab: LANCAS 0.0200					
Sample Type BARIUM	MB < 0.00060	Lab Sample ID: P34805ABB-BA MG/L	MB 0.00060	Lab: LANCAS 0.0050					
Sample Type BERYLLIUM	MB < 0.0014	Lab Sample ID: P34805ABB-BE MG/L	MB 0.0014	Lab: LANCAS 0.0050					
Sample Type CHROMIUM	MB < 0.0034	Lab Sample ID: P34805ABB-CR MG/L	MB 0.0034	Lab: LANCAS 0.0150					
Sample Type COPPER	MB < 0.0027	Lab Sample ID: P34805ABB-CU MG/L	MB 0.0027	Lab: LANCAS 0.0100					
Sample Type NICKEL	MB < 0.0018	Lab Sample ID: P34805ABB-NI MG/L	MB 0.0018	Lab: LANCAS 0.0100					
Sample Type LEAD	MB < 0.0069	Lab Sample ID: P34805ABB-PB MG/L	MB 0.0069	Lab: LANCAS 0.0150					
Sample Type ANTIMONY	MB < 0.0097	Lab Sample ID: P34805ABB-SB MG/L	MB 0.0097	Lab: LANCAS 0.0200					
Sample Type SELENIUM	MB < 0.0089	Lab Sample ID: P34805ABB-SE MG/L	MB 0.0089	Lab: LANCAS 0.0200					
Sample Type THALLIUM	MB < 0.0140	Lab Sample ID: P34805ABB-TL MG/L	MB 0.0140	Lab: LANCAS 0.0300					
Sample Type ZINC	MB < 0.0081	Lab Sample ID: P34805ABB-ZN MG/L	MB 0.0081	Lab: LANCAS 0.0200					
Sample Type SILVER	MS 0.0540	Lab Sample ID: 5859236-AG MG/L	MS 0.0023	Lab: LANCAS 0.0050	108	75	125		
Sample Type ARSENIC	MS 0.157	Lab Sample ID: 5859236-AS MG/L	MS 0.0072	Lab: LANCAS 0.0200	104	75	125		
Sample Type BARIUM	MS 2.10	Lab Sample ID: 5859236-BA MG/L	MS 0.00060	Lab: LANCAS 0.0050	104	78	118		
Sample Type BERYLLIUM	MS 0.0530	Lab Sample ID: 5859236-BE MG/L	MS 0.0014	Lab: LANCAS 0.0050	106	87	114		
Sample Type CHROMIUM	MS 0.206	Lab Sample ID: 5859236-CR MG/L	MS 0.0034	Lab: LANCAS 0.0150	103	81	120		
Sample Type COPPER	MS 0.267	Lab Sample ID: 5859236-CU MG/L	MS 0.0027	Lab: LANCAS 0.0100	107	86	122		
Sample Type NICKEL	MS 0.510	Lab Sample ID: 5859236-NI MG/L	MS 0.0018	Lab: LANCAS 0.0100	102	86	115		

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Analyte/Parameter	Result	Unit	MDL	PQL	RPR	RPR Limits		RPD	
						Min	Max	RPD	Max
Sample Type MS	Lab Sample ID: 5859236-PB MS			Lab: LANCAS					
LEAD	0.154	MG/L	0.0069	0.0150	102	75	125		
Sample Type MS	Lab Sample ID: 5859236-SB MS			Lab: LANCAS					
ANTIMONY	0.557	MG/L	0.0097	0.0200	111	87	122		
Sample Type MS	Lab Sample ID: 5859236-SE MS			Lab: LANCAS					
SELENIUM	0.161	MG/L	0.0089	0.0200	107	75	125		
Sample Type MS	Lab Sample ID: 5859236-TL MS			Lab: LANCAS					
THALLIUM	0.145	MG/L	0.0140	0.0300	97	83	116		
Sample Type MS	Lab Sample ID: 5859236-ZN MS			Lab: LANCAS					
ZINC	0.523	MG/L	0.0081	0.0200	105	85	117		
Sample Type MSD	Lab Sample ID: 5859236-AG MSD			Lab: LANCAS					
SILVER	0.0539	MG/L	0.0023	0.0050	108	75	125	0	20
Sample Type MSD	Lab Sample ID: 5859236-AS MSD			Lab: LANCAS					
ARSENIC	0.158	MG/L	0.0072	0.0200	106	75	125	1	20
Sample Type MSD	Lab Sample ID: 5859236-BA MSD			Lab: LANCAS					
BARIUM	2.10	MG/L	0.00060	0.0050	104	78	118	0	20
Sample Type MSD	Lab Sample ID: 5859236-BE MSD			Lab: LANCAS					
BERYLLIUM	0.0531	MG/L	0.0014	0.0050	106	87	114	0	20
Sample Type MSD	Lab Sample ID: 5859236-CR MSD			Lab: LANCAS					
CHROMIUM	0.206	MG/L	0.0034	0.0150	103	81	120	0	20
Sample Type MSD	Lab Sample ID: 5859236-CU MSD			Lab: LANCAS					
COPPER	0.266	MG/L	0.0027	0.0100	107	86	122	0	20
Sample Type MSD	Lab Sample ID: 5859236-NI MSD			Lab: LANCAS					
NICKEL	0.511	MG/L	0.0018	0.0100	102	86	115	0	20
Sample Type MSD	Lab Sample ID: 5859236-PB MSD			Lab: LANCAS					
LEAD	0.153	MG/L	0.0069	0.0150	102	75	125	0	20
Sample Type MSD	Lab Sample ID: 5859236-SB MSD			Lab: LANCAS					
ANTIMONY	0.560	MG/L	0.0097	0.0200	112	87	122	0	20
Sample Type MSD	Lab Sample ID: 5859236-SE MSD			Lab: LANCAS					
SELENIUM	0.161	MG/L	0.0089	0.0200	107	75	125	0	20
Sample Type MSD	Lab Sample ID: 5859236-TL MSD			Lab: LANCAS					
THALLIUM	0.146	MG/L	0.0140	0.0300	97	83	116	1	20
Sample Type MSD	Lab Sample ID: 5859236-ZN MSD			Lab: LANCAS					
ZINC	0.523	MG/L	0.0081	0.0200	105	85	117	0	20
Sample Type REP	Lab Sample ID: 5859236-AG REP			Lab: LANCAS					
SILVER	< 0.0023	MG/L	0.0023	0.0050				0	20
Sample Type REP	Lab Sample ID: 5859236-AS REP			Lab: LANCAS					
ARSENIC	< 0.0072	MG/L	0.0072	0.0200				0	20
Sample Type REP	Lab Sample ID: 5859236-BA REP			Lab: LANCAS					
BARIUM	0.0106	MG/L	0.00060	0.0050				0	20
Sample Type REP	Lab Sample ID: 5859236-BE REP			Lab: LANCAS					
BERYLLIUM	< 0.0014	MG/L	0.0014	0.0050				0	20
Sample Type REP	Lab Sample ID: 5859236-CR REP			Lab: LANCAS					
CHROMIUM	< 0.0034	MG/L	0.0034	0.0150				0	20
Sample Type REP	Lab Sample ID: 5859236-CU REP			Lab: LANCAS					
COPPER	< 0.0027	MG/L	0.0027	0.0100				0	20
Sample Type REP	Lab Sample ID: 5859236-NI REP			Lab: LANCAS					
NICKEL	< 0.0018	MG/L	0.0018	0.0100				0	20
Sample Type REP	Lab Sample ID: 5859236-PB REP			Lab: LANCAS					
LEAD	< 0.0069	MG/L	0.0069	0.0150				0	20
Sample Type REP	Lab Sample ID: 5859236-SB REP			Lab: LANCAS					
ANTIMONY	< 0.0097	MG/L	0.0097	0.0200				0	20
Sample Type REP	Lab Sample ID: 5859236-SE REP			Lab: LANCAS					
SELENIUM	< 0.0089	MG/L	0.0089	0.0200				0	20
Sample Type REP	Lab Sample ID: 5859236-TL REP			Lab: LANCAS					
THALLIUM	< 0.0140	MG/L	0.0140	0.0300				0	20
Sample Type REP	Lab Sample ID: 5859236-ZN REP			Lab: LANCAS					
ZINC	< 0.0081	MG/L	0.0081	0.0200				0	20

The following field samples are included in this batch:

Sampleno	Datesmpl	Lab Id	Lab
POM-K-536-EQBLK8	12/10/2009	5863236-PB EB	LANCAS

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Batch Identifier 260417 METHOD 7470A 14-DEC-09 093485713001 62347

Method Number: 7470A Prep Method: METHOD Pre-prep:
Batch Start Date: 12/14/2009 Instrument: 62347

Analyte/Parameter	Result	Unit	MDL	PQL	RPR	RPR Limits		RPD	
						Min	Max	RPD	Max
Sample Type MERCURY	LCS	Lab Sample ID: P34813AQQ-HG LCS		Lab: LANCAS					
	0.00097	MG/L	0.000056	0.00020	97	80	120		
Sample Type MERCURY	MB	Lab Sample ID: P34813ABB-HG MB		Lab: LANCAS					
	< 0.000056	MG/L	0.000056	0.00020					
Sample Type MERCURY	MS	Lab Sample ID: P862980-HG MS		Lab: LANCAS					
	0.0012	MG/L	0.000056	0.00020	109	80	120		
Sample Type MERCURY	MSD	Lab Sample ID: P862980-HG MSD		Lab: LANCAS					
	0.0012	MG/L	0.000056	0.00020	108	80	120	1	20
Sample Type MERCURY	REP	Lab Sample ID: P862980-HG REP		Lab: LANCAS					
	0.00010	MG/L	0.000056	0.00020				17	20

The following field samples are included in this batch:

Sampleno	Datesmpl	Lab Id	Lab
POM-K-536-EQBLK8	12/10/2009	5863236-HG EB	LANCAS

Batch Identifier 261909 7471A MOD. 7471A 20-DEC-09 093525711006 62347

Method Number: 7471A Prep Method: 7471A MOD. Pre-prep:
Batch Start Date: 12/20/2009 Instrument: 62347

Analyte/Parameter	Result	Unit	MDL	PQL	RPR	RPR Limits		RPD	
						Min	Max	RPD	Max
Sample Type MERCURY	LCS	Lab Sample ID: P35211FQQ-HG LCS		Lab: LANCAS					
	11.8	MG/KG	0.224	1.95	100	66	135		
Sample Type MERCURY	MB	Lab Sample ID: P35211FBB-HG MB		Lab: LANCAS					
	< 0.0110	MG/KG	0.0110	0.0959					
Sample Type MERCURY	MS	Lab Sample ID: 5867636-HG MS		Lab: LANCAS					
	0.195	MG/KG	0.0110	0.0961	93	80	120		
Sample Type MERCURY	MSD	Lab Sample ID: 5867636-HG MSD		Lab: LANCAS					
	0.173	MG/KG	0.0110	0.0961	79	80	120	12	20
Sample Type MERCURY	REP	Lab Sample ID: 5867636-HG REP		Lab: LANCAS					
	0.0366	MG/KG	0.0108	0.0943				23	20

The following field samples are included in this batch:

Sampleno	Datesmpl	Lab Id	Lab
POM-S-536-294(3.0-3.5)	12/10/2009	5863227-HG FS	LANCAS

**Corporate Environmental Database
Lab Analysis QAQC Report**

Site: POMPTON LAKES WORKS
Project: DELTA UPLANDS 12/7/09

2/4/2010
Page 12 of 12

Batch Identifier 262291 3050B 6010B 20-DEC-09 093525708004 11016

Method Number: 6010B Prep Method: 3050B Pre-prep:
Batch Start Date: 12/20/2009 Instrument: 11016

Analyte/Parameter	Result	Unit	MDL	PQL	RPR	RPR Limits		RPD	RPD Max
						Min	Max		
Sample Type LCS	Lab Sample ID: P35208DQQ-PB LCS			Lab: LANCAS					
LEAD	73.0	MG/KG	0.600	1.50	101	85	114		
Sample Type MB	Lab Sample ID: P35208DBB-PB MB			Lab: LANCAS					
LEAD	< 0.600	MG/KG	0.600	1.50					
Sample Type MS	Lab Sample ID: 5863231-PB MS			Lab: LANCAS					
LEAD	366	MG/KG	0.600	1.50	NC	75	125	NC	
Sample Type MSD	Lab Sample ID: 5863231-PB MSD			Lab: LANCAS					
LEAD	354	MG/KG	0.600	1.50	NC	75	125	NC	20
Sample Type REP	Lab Sample ID: 5863231-PB REP			Lab: LANCAS					
LEAD	412	MG/KG	0.600	1.50				1	20

The following field samples are included in this batch:

Sampleno	Datesmpl	Lab Id	Lab
POM-S-536-285(1.0-1.5)	12/10/2009	5863228-PB FS	LANCAS
POM-S-536-285(2.0-2.5)	12/10/2009	5863229-PB FS	LANCAS
POM-S-536-285(2.0-2.5)-DUP	12/10/2009	5863235-PB FS	LANCAS
POM-S-536-285(4.0-4.5)	12/10/2009	5863230-PB FS	LANCAS
POM-S-536-285(5.0-5.5)	12/10/2009	5863231-PB FS	LANCAS
POM-S-536-294(1.0-1.5)	12/10/2009	5863226-PB FS	LANCAS

Batch Identifier 262292 SM 2540 G 14-DEC-09 09348820004B 9001

Method Number: SM 2540 G Prep Method: Pre-prep:
Batch Start Date: 12/14/2009 Instrument: 9001

Analyte/Parameter	Result	Unit	MDL	PQL	RPR	RPR Limits		RPD	RPD Max
						Min	Max		
Sample Type LCS	Lab Sample ID: LC34814Q-MOIST LCS			Lab: LANCAS					
MOISTURE	89.5	%	0.50	0.50	100	99	101		
Sample Type REP	Lab Sample ID: 5863231-MOIST REP			Lab: LANCAS					
MOISTURE	61.3	%	0.50	0.50				2	15

The following field samples are included in this batch:

Sampleno	Datesmpl	Lab Id	Lab
POM-S-536-285(1.0-1.5)	12/10/2009	5863228-MOIST FS	LANCAS
POM-S-536-285(2.0-2.5)	12/10/2009	5863229-MOIST FS	LANCAS
POM-S-536-285(2.0-2.5)-DUP	12/10/2009	5863235-MOIST FS	LANCAS
POM-S-536-285(4.0-4.5)	12/10/2009	5863230-MOIST FS	LANCAS
POM-S-536-285(5.0-5.5)	12/10/2009	5863231-MOIST FS	LANCAS
POM-S-536-294(1.0-1.5)	12/10/2009	5863226-MOIST FS	LANCAS
POM-S-536-294(3.0-3.5)	12/10/2009	5863227-MOIST FS	LANCAS

ANALYTICAL RESULTS

Prepared for:

CRG-E.I.DuPont de Nemours & Co
URS Corporation
1200 Philadelphia Pike
Wilmington DE 19809-2040

302-992-0595

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

December 23, 2009

Project: POM - DELTA UPLANDS

Samples arrived at the laboratory on Thursday, December 10, 2009. The PO# for this group is LBIO-66380 and the release number is LA28358. The group number for this submittal is 1174701.

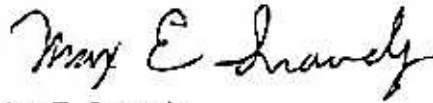
<u>Client Sample Description</u>	<u>Lancaster Labs (LLI) #</u>
POM-S-536-283(4.0-4.5) Soil Sample	5861110
POM-S-536-283(5.0-5.5) Soil Sample	5861111
POM-S-536-282(1.0-1.5) Soil Sample	5861112
POM-S-536-282(3.0-3.5) Soil Sample	5861113
POM-S-536-282(4.0-4.5) Soil Sample	5861114
POM-S-536-282(5.0-5.5) Soil Sample	5861115
POM-S-536-20D(5.5-6.0) Soil Sample	5861116
POM-S-536-70D(4.0-4.5) Soil Sample	5861117
POM-S-536-288(1.0-1.5) Soil Sample	5861118
POM-S-536-288(3.0-3.5) Soil Sample	5861119
POM-S-536-289(1.0-1.5) Soil Sample	5861120
POM-S-536-289(2.0-2.5) Soil Sample	5861121
POM-S-536-289(3.0-3.5) Soil Sample	5861122
POM-S-536-321(5.0-5.5) Soil Sample	5861123
POM-S-536-284(2.0-2.5) Soil Sample	5861124
POM-S-536-284(3.0-3.5) Soil Sample	5861125
POM-S-536-284(4.0-4.5) Soil Sample	5861126
POM-S-536-284(5.0-5.5) Soil Sample	5861127
POM-S-536-283(1.0-1.5) Soil Sample	5861128
POM-S-536-283(2.0-2.5) Soil Sample	5861129
POM-S-536-283(3.0-3.5) Soil Sample	5861130

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

ELECTRONIC COPY TO	URS Corporation	Attn: George Nemeth
ELECTRONIC COPY TO	LLI	Attn: EDD Group
1 COPY TO	Data Package Group	

Questions? Contact your Client Services Representative
Nancy J Bornholm at (717) 656-2300

Respectfully Submitted,



Max E. Snavelly
Senior Specialist



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-283(4.0-4.5) Soil Sample
DELTA UPLANDS 12/7/09

LLI Sample # SW 5861110
LLI Group # 1174701
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/07/2009 12:48 by GN

Account Number: 07032

Submitted: 12/10/2009 09:35
Reported: 12/23/2009 at 10:51
Discard: 01/23/2010

CRG-E.I.DuPont de Nemours & Co
URS Corporation
1200 Philadelphia Pike
Wilmington DE 19809-2040

283-4 SDG#: DLN24-01

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
06955	Lead	SW-846 6010B 7439-92-1	mg/kg 4.25	mg/kg 0.681	mg/kg 1.70	1
00159	Mercury	SW-846 7471A 7439-97-6	mg/kg 0.211	mg/kg 0.0127	mg/kg 0.110	1
Wet Chemistry						
00111	Moisture	SM20 2540 G n.a.	% 11.9	% 0.50	% 0.50	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.						

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	093505708003	12/21/2009 03:12	Tara L Snyder	1
00159	Mercury	SW-846 7471A	1	093505711002	12/17/2009 15:18	Nelli S Markaryan	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	093505708003	12/16/2009 20:10	Annamaria Stipkovits	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	093505711002	12/17/2009 00:30	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	09349820004A	12/15/2009 16:57	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-283(5.0-5.5) Soil Sample
DELTA UPLANDS 12/7/09

LLI Sample # SW 5861111
LLI Group # 1174701
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/07/2009 12:45 by GN

Account Number: 07032

Submitted: 12/10/2009 09:35
Reported: 12/23/2009 at 10:51
Discard: 01/23/2010

CRG-E.I.DuPont de Nemours & Co
URS Corporation
1200 Philadelphia Pike
Wilmington DE 19809-2040

283-5 SDG#: DLN24-02

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
06955	Lead	SW-846 6010B 7439-92-1	6.12	0.798	1.99	1
00159	Mercury	SW-846 7471A 7439-97-6	0.0229 J	0.0147	0.128	1
Wet Chemistry						
00111	Moisture	SM20 2540 G n.a.	27.0	0.50	0.50	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.						

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	093505708003	12/21/2009 03:34	Tara L Snyder	1
00159	Mercury	SW-846 7471A	1	093505711002	12/17/2009 15:20	Nelli S Markaryan	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	093505708003	12/16/2009 20:10	Annamaria Stipkovits	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	093505711002	12/17/2009 00:30	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	09349820004A	12/15/2009 16:57	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-282(1.0-1.5) Soil Sample
DELTA UPLANDS 12/7/09

LLI Sample # SW 5861112
LLI Group # 1174701
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/07/2009 15:05 by GN

Account Number: 07032

Submitted: 12/10/2009 09:35
Reported: 12/23/2009 at 10:51
Discard: 01/23/2010

CRG-E.I.DuPont de Nemours & Co
URS Corporation
1200 Philadelphia Pike
Wilmington DE 19809-2040

282-1 SDG#: DLN24-03

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010B	mg/kg	mg/kg	mg/kg	
06955	Lead	7439-92-1	353	0.818	2.05	1
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	27.4	0.50	0.50	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.						

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	093505708003	12/21/2009 03:37	Tara L Snyder	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	093505708003	12/16/2009 20:10	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	09349820004A	12/15/2009 16:57	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-282(3.0-3.5) Soil Sample
DELTA UPLANDS 12/7/09

LLI Sample # SW 5861113
LLI Group # 1174701
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/07/2009 15:10 by GN

Account Number: 07032

Submitted: 12/10/2009 09:35
Reported: 12/23/2009 at 10:51
Discard: 01/23/2010

CRG-E.I.DuPont de Nemours & Co
URS Corporation
1200 Philadelphia Pike
Wilmington DE 19809-2040

282-3 SDG#: DLN24-04

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010B	mg/kg	mg/kg	mg/kg	
06955	Lead	7439-92-1	5.61	1.02	2.54	1
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	41.5	0.50	0.50	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.						

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	093505708003	12/23/2009 04:09	John W Yanzuk II	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	093505708003	12/16/2009 20:10	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	09349820004A	12/15/2009 16:57	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-282(4.0-4.5) Soil Sample
DELTA UPLANDS 12/7/09

LLI Sample # SW 5861114
LLI Group # 1174701
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/07/2009 15:17 by GN

Account Number: 07032

Submitted: 12/10/2009 09:35
Reported: 12/23/2009 at 10:51
Discard: 01/23/2010

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282-4 SDG#: DLN24-05

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
06955	Lead	SW-846 6010B 7439-92-1	mg/kg 12.7	mg/kg 0.775	mg/kg 1.94	1
00159	Mercury	SW-846 7471A 7439-97-6	mg/kg 17.3	mg/kg 0.738	mg/kg 6.43	50
Wet Chemistry						
00111	Moisture	SM20 2540 G n.a.	% 24.8	% 0.50	% 0.50	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.						

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	093505708003	12/21/2009 03:51	Tara L Snyder	1
00159	Mercury	SW-846 7471A	1	093505711002	12/17/2009 15:59	Nelli S Markaryan	50
05708	SW SW846 ICP Digest	SW-846 3050B	1	093505708003	12/16/2009 20:10	Annamaria Stipkovits	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	093505711002	12/17/2009 00:30	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	09349820004A	12/15/2009 16:57	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-282(5.0-5.5) Soil Sample
DELTA UPLANDS 12/7/09

LLI Sample # SW 5861115
LLI Group # 1174701
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/07/2009 15:14 by GN

Account Number: 07032

Submitted: 12/10/2009 09:35
Reported: 12/23/2009 at 10:51
Discard: 01/23/2010

CRG-E.I.DuPont de Nemours & Co
URS Corporation
1200 Philadelphia Pike
Wilmington DE 19809-2040

282-5 SDG#: DLN24-06

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
06955	Lead	SW-846 6010B 7439-92-1	mg/kg 8.76	mg/kg 1.78	mg/kg 4.45	1
00159	Mercury	SW-846 7471A 7439-97-6	mg/kg 1.12	mg/kg 0.0330	mg/kg 0.287	1
Wet Chemistry						
00111	Moisture	SM20 2540 G n.a.	% 66.6	% 0.50	% 0.50	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.						

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	093505708003	12/21/2009 03:55	Tara L Snyder	1
00159	Mercury	SW-846 7471A	1	093505711002	12/17/2009 15:23	Nelli S Markaryan	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	093505708003	12/16/2009 20:10	Annamaria Stipkovits	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	093505711002	12/17/2009 00:30	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	09349820004A	12/15/2009 16:57	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-20D(5.5-6.0) Soil Sample
DELTA UPLANDS 12/7/09

LLI Sample # SW 5861116
LLI Group # 1174701
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/08/2009 09:52 by GN

Account Number: 07032

Submitted: 12/10/2009 09:35
Reported: 12/23/2009 at 10:51
Discard: 01/23/2010

CRG-E.I.DuPont de Nemours & Co
URS Corporation
1200 Philadelphia Pike
Wilmington DE 19809-2040

20D-5 SDG#: DLN24-07

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010B	mg/kg	mg/kg	mg/kg	
06955	Lead	7439-92-1	318	0.648	1.62	1
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	11.0	0.50	0.50	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.						

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	093505708003	12/21/2009 03:59	Tara L Snyder	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	093505708003	12/16/2009 20:10	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	09349820004A	12/15/2009 16:57	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-70D(4.0-4.5) Soil Sample
DELTA UPLANDS 12/7/09

LLI Sample # SW 5861117
LLI Group # 1174701
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/08/2009 11:50 by GN

Account Number: 07032

Submitted: 12/10/2009 09:35
Reported: 12/23/2009 at 10:51
Discard: 01/23/2010

CRG-E.I.DuPont de Nemours & Co
URS Corporation
1200 Philadelphia Pike
Wilmington DE 19809-2040

70D-4 SDG#: DLN24-08

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
06955	Lead	SW-846 6010B 7439-92-1	mg/kg 15.6	mg/kg 1.14	mg/kg 2.85	1
00159	Mercury	SW-846 7471A 7439-97-6	mg/kg 4.84	mg/kg 0.212	mg/kg 1.85	10
Wet Chemistry						
00111	Moisture	SM20 2540 G n.a.	% 47.9	% 0.50	% 0.50	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.						

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	093505708003	12/21/2009 04:02	Tara L Snyder	1
00159	Mercury	SW-846 7471A	1	093505711002	12/17/2009 16:04	Nelli S Markaryan	10
05708	SW SW846 ICP Digest	SW-846 3050B	1	093505708003	12/16/2009 20:10	Annamaria Stipkovits	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	093505711002	12/17/2009 00:30	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	09349820004A	12/15/2009 16:57	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-288(1.0-1.5) Soil Sample
DELTA UPLANDS 12/7/09

LLI Sample # SW 5861118
LLI Group # 1174701
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/08/2009 14:05 by GN

Account Number: 07032

Submitted: 12/10/2009 09:35
Reported: 12/23/2009 at 10:51
Discard: 01/23/2010

CRG-E.I.DuPont de Nemours & Co
URS Corporation
1200 Philadelphia Pike
Wilmington DE 19809-2040

288-1 SDG#: DLN24-09

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
06955	Lead	SW-846 6010B 7439-92-1	mg/kg 510	mg/kg 0.694	mg/kg 1.73	1
00159	Mercury	SW-846 7471A 7439-97-6	mg/kg 8.03	mg/kg 0.265	mg/kg 2.31	20
Wet Chemistry						
00111	Moisture	SM20 2540 G n.a.	% 14.4	% 0.50	% 0.50	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.						

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	093505708003	12/21/2009 04:06	Tara L Snyder	1
00159	Mercury	SW-846 7471A	1	093505711002	12/17/2009 16:06	Nelli S Markaryan	20
05708	SW SW846 ICP Digest	SW-846 3050B	1	093505708003	12/16/2009 20:10	Annamaria Stipkovits	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	093505711002	12/17/2009 00:30	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	09349820004A	12/15/2009 16:57	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-288(3.0-3.5) Soil Sample
DELTA UPLANDS 12/7/09

LLI Sample # SW 5861119
LLI Group # 1174701
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/08/2009 14:15 by GN

Account Number: 07032

Submitted: 12/10/2009 09:35
Reported: 12/23/2009 at 10:51
Discard: 01/23/2010

CRG-E.I.DuPont de Nemours & Co
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Wilmington DE 19809-2040

288-3 SDG#: DLN24-10

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010B	mg/kg	mg/kg	mg/kg	
06955	Lead	7439-92-1	133	1.61	4.03	1
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	63.5	0.50	0.50	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.						

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	093505708003	12/21/2009 04:09	Tara L Snyder	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	093505708003	12/16/2009 20:10	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	09349820004A	12/15/2009 16:57	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-289(1.0-1.5) Soil Sample
DELTA UPLANDS 12/7/09

LLI Sample # SW 5861120
LLI Group # 1174701
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/07/2009 10:26 by GN

Account Number: 07032

Submitted: 12/10/2009 09:35
Reported: 12/23/2009 at 10:51
Discard: 01/23/2010

CRG-E.I.DuPont de Nemours & Co
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Wilmington DE 19809-2040

289-1 SDG#: DLN24-11

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
06955	Lead	SW-846 6010B 7439-92-1	mg/kg 50.2	mg/kg 0.744	mg/kg 1.86	1
00159	Mercury	SW-846 7471A 7439-97-6	mg/kg 4.80	mg/kg 0.142	mg/kg 1.24	10
Wet Chemistry						
00111	Moisture	SM20 2540 G n.a.	% 20.2	% 0.50	% 0.50	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.						

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	093505708003	12/21/2009 04:13	Tara L Snyder	1
00159	Mercury	SW-846 7471A	1	093505711002	12/17/2009 16:08	Nelli S Markaryan	10
05708	SW SW846 ICP Digest	SW-846 3050B	1	093505708003	12/16/2009 20:10	Annamaria Stipkovits	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	093505711002	12/17/2009 00:30	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	09349820004B	12/15/2009 16:57	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-289(2.0-2.5) Soil Sample
DELTA UPLANDS 12/7/09

LLI Sample # SW 5861121
LLI Group # 1174701
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/07/2009 10:30 by GN

Account Number: 07032

Submitted: 12/10/2009 09:35
Reported: 12/23/2009 at 10:51
Discard: 01/23/2010

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Wilmington DE 19809-2040

289-2 SDG#: DLN24-12

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010B	mg/kg	mg/kg	mg/kg	
06955	Lead	7439-92-1	260	0.750	1.88	1
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	20.8	0.50	0.50	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.						

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	093505708003	12/21/2009 04:17	Tara L Snyder	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	093505708003	12/16/2009 20:10	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	09349820004B	12/15/2009 16:57	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-289(3.0-3.5) Soil Sample
DELTA UPLANDS 12/7/09

LLI Sample # SW 5861122
LLI Group # 1174701
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/07/2009 10:33 by GN

Account Number: 07032

Submitted: 12/10/2009 09:35
Reported: 12/23/2009 at 10:51
Discard: 01/23/2010

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289-3 SDG#: DLN24-13

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010B	mg/kg	mg/kg	mg/kg	
06955	Lead	7439-92-1	840	1.37	3.43	1
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	58.0	0.50	0.50	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.						

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	093505708003	12/21/2009 04:20	Tara L Snyder	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	093505708003	12/16/2009 20:10	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	09349820004B	12/15/2009 16:57	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-321(5.0-5.5) Soil Sample
DELTA UPLANDS 12/7/09

LLI Sample # SW 5861123
LLI Group # 1174701
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/07/2009 11:01 by GN

Account Number: 07032

Submitted: 12/10/2009 09:35
Reported: 12/23/2009 at 10:51
Discard: 01/23/2010

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321-5 SDG#: DLN24-14

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
06955	Lead	SW-846 6010B 7439-92-1	mg/kg 40.0	mg/kg 1.18	mg/kg 2.94	1
00159	Mercury	SW-846 7471A 7439-97-6	mg/kg 6.96	mg/kg 0.215	mg/kg 1.87	10
Wet Chemistry						
00111	Moisture	SM20 2540 G n.a.	% 49.5	% 0.50	% 0.50	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.						

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	093505708003	12/21/2009 04:31	Tara L Snyder	1
00159	Mercury	SW-846 7471A	1	093505711002	12/17/2009 16:09	Nelli S Markaryan	10
05708	SW SW846 ICP Digest	SW-846 3050B	1	093505708003	12/16/2009 20:10	Annamaria Stipkovits	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	093505711002	12/17/2009 00:30	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	09349820004B	12/15/2009 16:57	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-284(2.0-2.5) Soil Sample
DELTA UPLANDS 12/7/09

LLI Sample # SW 5861124
LLI Group # 1174701
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/07/2009 11:25 by GN

Account Number: 07032

Submitted: 12/10/2009 09:35
Reported: 12/23/2009 at 10:51
Discard: 01/23/2010

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284-2 SDG#: DLN24-15

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010B	mg/kg	mg/kg	mg/kg	
06955	Lead	7439-92-1	16.5	0.690	1.73	1
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	14.8	0.50	0.50	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.						

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	093505708003	12/21/2009 04:34	Tara L Snyder	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	093505708003	12/16/2009 20:10	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	09349820004B	12/15/2009 16:57	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-284(3.0-3.5) Soil Sample
DELTA UPLANDS 12/7/09

LLI Sample # SW 5861125
LLI Group # 1174701
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/07/2009 11:45 by GN

Account Number: 07032

Submitted: 12/10/2009 09:35
Reported: 12/23/2009 at 10:51
Discard: 01/23/2010

CRG-E.I.DuPont de Nemours & Co
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284-3 SDG#: DLN24-16

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
06955	Lead	SW-846 6010B 7439-92-1	mg/kg 4.89	mg/kg 0.739	mg/kg 1.85	1
00159	Mercury	SW-846 7471A 7439-97-6	mg/kg 0.0420 J	mg/kg 0.0139	mg/kg 0.121	1
Wet Chemistry						
00111	Moisture	SM20 2540 G n.a.	% 21.9	% 0.50	% 0.50	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.						

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	093505708003	12/21/2009 04:38	Tara L Snyder	1
00159	Mercury	SW-846 7471A	1	093505711002	12/17/2009 15:34	Nelli S Markaryan	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	093505708003	12/16/2009 20:10	Annamaria Stipkovits	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	093505711002	12/17/2009 00:30	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	09349820004B	12/15/2009 16:57	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: POM-S-536-284(4.0-4.5) Soil Sample
DELTA UPLANDS 12/7/09

LLI Sample # SW 5861126
LLI Group # 1174701
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/07/2009 11:50 by GN

Account Number: 07032

Submitted: 12/10/2009 09:35

CRG-E.I.DuPont de Nemours & Co

Reported: 12/23/2009 at 10:51

URS Corporation

Discard: 01/23/2010

1200 Philadelphia Pike

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284-4 SDG#: DLN24-17

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
06955	Lead	SW-846 6010B 7439-92-1	mg/kg 12.3	mg/kg 0.818	mg/kg 2.05	1
00159	Mercury	SW-846 7471A 7439-97-6	mg/kg N.D.	mg/kg 0.0158	mg/kg 0.137	1
Wet Chemistry						
00111	Moisture	SM20 2540 G n.a.	% 27.4	% 0.50	% 0.50	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.						

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	093505708003	12/21/2009 04:42	Tara L Snyder	1
00159	Mercury	SW-846 7471A	1	093505711002	12/17/2009 15:35	Nelli S Markaryan	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	093505708003	12/16/2009 20:10	Annamaria Stipkovits	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	093505711002	12/17/2009 00:30	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	09349820004B	12/15/2009 16:57	Scott W Freisher	1



Analysis Report

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Sample Description: POM-S-536-284(5.0-5.5) Soil Sample
DELTA UPLANDS 12/7/09

LLI Sample # SW 5861127
LLI Group # 1174701
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/07/2009 12:00 by GN

Account Number: 07032

Submitted: 12/10/2009 09:35
Reported: 12/23/2009 at 10:51
Discard: 01/23/2010

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URS Corporation
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Wilmington DE 19809-2040

284-5 SDG#: DLN24-18

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
06955	Lead	SW-846 6010B 7439-92-1	mg/kg 3.82	mg/kg 0.881	mg/kg 2.20	1
00159	Mercury	SW-846 7471A 7439-97-6	mg/kg 0.0557 J	mg/kg 0.0168	mg/kg 0.146	1
Wet Chemistry						
00111	Moisture	SM20 2540 G n.a.	% 32.6	% 0.50	% 0.50	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.						

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	093505708003	12/21/2009 04:45	Tara L Snyder	1
00159	Mercury	SW-846 7471A	1	093505711002	12/17/2009 15:36	Nelli S Markaryan	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	093505708003	12/16/2009 20:10	Annamaria Stipkovits	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	093505711002	12/17/2009 00:30	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	09349820004B	12/15/2009 16:57	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-283(1.0-1.5) Soil Sample
DELTA UPLANDS 12/7/09

LLI Sample # SW 5861128
LLI Group # 1174701
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/07/2009 12:25 by GN

Account Number: 07032

Submitted: 12/10/2009 09:35
Reported: 12/23/2009 at 10:51
Discard: 01/23/2010

CRG-E.I.DuPont de Nemours & Co
URS Corporation
1200 Philadelphia Pike
Wilmington DE 19809-2040

283-1 SDG#: DLN24-19

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
06955	Lead	SW-846 6010B 7439-92-1	mg/kg 235	mg/kg 0.867	mg/kg 2.17	1
00159	Mercury	SW-846 7471A 7439-97-6	mg/kg 9.80	mg/kg 0.326	mg/kg 2.84	20
Wet Chemistry						
00111	Moisture	SM20 2540 G n.a.	% 31.5	% 0.50	% 0.50	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.						

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	093505708003	12/21/2009 04:49	Tara L Snyder	1
00159	Mercury	SW-846 7471A	1	093505711002	12/17/2009 16:11	Nelli S Markaryan	20
05708	SW SW846 ICP Digest	SW-846 3050B	1	093505708003	12/16/2009 20:10	Annamaria Stipkovits	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	093505711002	12/17/2009 00:30	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	09349820004B	12/15/2009 16:57	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-283(2.0-2.5) Soil Sample
DELTA UPLANDS 12/7/09

LLI Sample # SW 5861129
LLI Group # 1174701
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/07/2009 12:36 by GN

Account Number: 07032

Submitted: 12/10/2009 09:35
Reported: 12/23/2009 at 10:51
Discard: 01/23/2010

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1200 Philadelphia Pike
Wilmington DE 19809-2040

283-2 SDG#: DLN24-20

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010B	mg/kg	mg/kg	mg/kg	
06955	Lead	7439-92-1	1,370	1.36	3.40	1
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	56.8	0.50	0.50	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.						

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	093505708003	12/21/2009 04:52	Tara L Snyder	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	093505708003	12/16/2009 20:10	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	09349820004B	12/15/2009 16:57	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-283(3.0-3.5) Soil Sample
DELTA UPLANDS 12/7/09

LLI Sample # SW 5861130
LLI Group # 1174701
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/07/2009 12:40 by GN

Account Number: 07032

Submitted: 12/10/2009 09:35
Reported: 12/23/2009 at 10:51
Discard: 01/23/2010

CRG-E.I.DuPont de Nemours & Co
URS Corporation
1200 Philadelphia Pike
Wilmington DE 19809-2040

283-3 SDG#: DLN24-21*

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
06955	Lead	SW-846 6010B 7439-92-1	mg/kg 10.7	mg/kg 0.734	mg/kg 1.84	1
00159	Mercury	SW-846 7471A 7439-97-6	mg/kg 7.45	mg/kg 0.284	mg/kg 2.47	20
Wet Chemistry						
00111	Moisture	SM20 2540 G n.a.	% 19.9	% 0.50	% 0.50	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.						

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	093505708004	12/21/2009 00:29	Tara L Snyder	1
00159	Mercury	SW-846 7471A	1	093505711002	12/17/2009 16:12	Nelli S Markaryan	20
05708	SW SW846 ICP Digest	SW-846 3050B	1	093505708004	12/16/2009 20:35	Annamaria Stipkovits	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	093505711002	12/17/2009 00:30	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	09350820002A	12/16/2009 17:19	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Quality Control Summary

 Client Name: CRG-E.I.DuPont de Nemours & Co
 Reported: 12/23/09 at 10:51 AM

Group Number: 1174701

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: 093505708003 Lead	Sample number(s): 5861110-5861129 N.D.	0.600	1.50	mg/kg	98		85-114		
Batch number: 093505708004 Lead	Sample number(s): 5861130 N.D.	0.600	1.50	mg/kg	99		85-114		
Batch number: 093505711002 Mercury	Sample number(s): 5861110-5861111, 5861114-5861115, 5861117-5861118, 5861120, 5861123, 5861125-5861128, 5861130 N.D.	0.0111	0.0965	mg/kg	96		66-135		
Batch number: 09349820004A Moisture	Sample number(s): 5861110-5861119				100		99-101		
Batch number: 09349820004B Moisture	Sample number(s): 5861120-5861129				100		99-101		
Batch number: 09350820002A Moisture	Sample number(s): 5861130				100		99-101		

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
 Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>RPD MAX</u>	<u>BKG Conc</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>
Batch number: 093505708003 Lead	Sample number(s): 5861110-5861129 96	99	75-125	3	20	UNSPK: 5861110 BKG: 5861110 3.74	2.64	35* (1)	20
Batch number: 093505708004 Lead	Sample number(s): 5861130 106	107	75-125	1	20	UNSPK: P861135 BKG: P861135 4.79	3.88	21* (1)	20
Batch number: 093505711002 Mercury	Sample number(s): 5861110-5861111, 5861114-5861115, 5861117-5861118, 5861120, 5861123, 5861125-5861128, 5861130 126*	135*	80-120	4	20	UNSPK: P861135 BKG: P861135 0.175	0.245	33* (1)	20
Batch number: 09349820004A Moisture	Sample number(s): 5861110-5861119					BKG: 5861115 66.6	67.2	1	15
Batch number: 09349820004B Moisture	Sample number(s): 5861120-5861129					BKG: 5861122 58.0	52.7	10	15
Batch number: 09350820002A	Sample number(s): 5861130					BKG: P861436			

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/23/09 at 10:51 AM

Group Number: 1174701

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup RPD</u> <u>Max</u>
Moisture						26.4	28.0	6	15

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.



Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only

Group No.: 1174701 Sample Nos.: 5861110-30
Acc't: 07032 SCR No.: 84545 Cooler No.: C15671 14951
Cooler Temperature upon receipt: 13.25 °C Container No.: 62

Facility Name: Pompton Lakes	Project Manager: Marj Vetter	Analyses Required	Comments:
Facility Contact: George Nemeth	Facility Contact Phone No.: 973-492-7735		
Facility Address: Pompton Lakes Works	Job No.: 9267-7720100C-WH06507906		
2000 Cannonball Road	Release No.: LA28358		
Pompton Lakes NJ 07442	PO Number: LBIO-66380		
Sampler(s): <u>George Nemeth / Dan Youngblood</u>			
Project Name: DELTA W PLANDS 12/7/09			

Sample Identification	Date Collected	Time Collected	Matrix	Containers			Moisture (SM20 2540 G)	Cu (6010)	Pb (6010)	Se (6010)	Hg (7471)	Condition upon receipt:
				Volume (ml)	Preserv	No.						
POM-S-536- <u>283 (4.0-4.5)</u>	<u>12/7/09</u>	<u>1248</u>	SW	125	None	1	X	X	X			<u>Initial</u>
POM-S-536- <u>283 (5.0-5.5)</u>		<u>1245</u>	SW	125	None	1	X	X	X			
POM-S-536- <u>282 (1.0-1.5)</u>		<u>1505</u>	SW	125	None	1	X	X				
POM-S-536- <u>282 (3.0-3.5)</u>		<u>1510</u>	SW	125	None	1	X	X				
POM-S-536- <u>282 (4.0-4.5)</u>		<u>1517</u>	SW	125	None	1	X	X	X			
POM-S-536- <u>282 (5.0-5.5)</u>	↓	<u>1514</u>	SW	125	None	1	X	X	X			
POM-S-536- <u>20D (5.5-6.0)</u>	<u>12/8/09</u>	<u>0952</u>	SW	125	None	1	X	X				
POM-S-536- <u>70D (4.0-4.5)</u>		<u>1150</u>	SW	125	None	1	X	X	X			
POM-S-536- <u>288 (1.0-1.5)</u>		<u>1405</u>	SW	125	None	1	X	X	X			
POM-S-536- <u>288 (3.0-3.5)</u>	↓	<u>1415</u>	SW	125	None	1	X	X				

Turnaround Time Requested (please circle): Normal Rush Number of days: _____

Special Instructions: _____

Bottles Relinquished by: <u>George Nemeth</u>	Date: <u>12/9/09</u>	Time: <u>1630</u>	Bottles Received by:	Date:	Time:
Bottles Relinquished by:	Date:	Time:	Bottles Received by:	Date:	Time:
Bottles Relinquished by:	Date:	Time:	Bottles Received by:	Date:	Time:
Bottles Relinquished by:	Date:	Time:	Bottles Received by: <u>[Signature]</u>	Date: <u>12/10/09</u>	Time: <u>935</u>



Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only

Group No.: 1174701 Sample Nos.: 586110-30
 Acc't: 07032 SCR No.: 84545 Cooler No.: C1567114951
 Cooler Temperature upon receipt: 13.25 °C Container No.: 112

Facility Name: Pompton Lakes				Project Manager: Marj Vetter				Analyses Required								Comments:					
Facility Contact: George Nemeth				Facility Contact Phone No.: 973-492-7735																	
Facility Address: Pompton Lakes Works				Job No.: 9267-7720100C-WH06507906				Moisture (SM20 2540 G)								Condition upon receipt: <u>Intact</u>					
2000 Cannonball Road				Release No.: LA28358																	
Pompton Lakes NJ 07442				PO Number: LBIO-66380																	
Sampler(s): <u>George Nemeth / Dan Youngblood</u>				Project Name: DELTA UPLANDS 12/7/09																	
Sample Identification	Date Collected	Time Collected	Matrix	Containers			Moisture	Cu (6010)	Pb (6010)	Se (6010)	Hg (7471)										
				Volume (ml)	Preserv	No.															
POM-S-536- <u>289 (1.0-1.5)</u>	<u>12/7/09</u>	<u>1026</u>	SW	125	None	1	X		X	X											
POM-S-536- <u>289 (2.0-2.5)</u>		<u>1030</u>	SW	125	None	1	X		X												
POM-S-536- <u>289 (3.0-3.5)</u>		<u>1033</u>	SW	125	None	1	X		X												
POM-S-536- <u>321 (5.0-5.5)</u>		<u>1101</u>	SW	125	None	1	X		X	X											
POM-S-536- <u>284 (2.0-2.5)</u>		<u>1125</u>	SW	125	None	1	X		X												
POM-S-536- <u>284 (3.0-3.5)</u>		<u>1145</u>	SW	125	None	1	X		X	X											
POM-S-536- <u>284 (4.0-4.5)</u>		<u>1150</u>	SW	125	None	1	X		X	X											
POM-S-536- <u>284 (5.0-5.5)</u>		<u>1200</u>	SW	125	None	1	X		X	X											
POM-S-536- <u>283 (1.0-1.5)</u>		<u>1225</u>	SW	125	None	1	X		X	X											
POM-S-536- <u>283 (2.0-2.5)</u>		<u>1236</u>	SW	125	None	1	X		X												
POM-S-536- <u>283 (3.0-3.5)</u>	<u>✓</u>	<u>1240</u>	SW	125	None				X	X											
Turnaround Time Requested (please circle): <u>Normal</u> Rush Number of days: _____							Special Instructions:														
Bottles Relinquished by: <u>George Nemeth</u>			Date: <u>12/9/09</u>	Time: <u>1630</u>			Bottles Received by: _____								Date: _____	Time: _____					
Bottles Relinquished by:			Date: _____	Time: _____			Bottles Received by:								Date: _____	Time: _____					
Bottles Relinquished by:			Date: _____	Time: _____			Bottles Received by:								Date: _____	Time: _____					
Bottles Relinquished by:			Date: _____	Time: _____			Bottles Received by: <u>Marj Vetter</u>								Date: <u>12/10/09</u>	Time: <u>535</u>					

Environmental Sample Administration Receipt Documentation Log

Client/Project: Pompton Lakes
 Date of Receipt: 12/10/09
 Time of Receipt: 935
 Source Code: 50-1
 Unpacker Emp. No.: 2314

Shipping Container Sealed: YES NO
 Custody Seal Present *: YES NO

* Custody seal was intact unless otherwise noted in the discrepancy section

Package: Chilled Not Chilled

Temperature of Shipping Containers							
Cooler #	Thermometer ID	Temperature (°C)	Temp Bottle (TB) or Surface Temp (ST)	Wet Ice (WI) or Dry Ice (DI) or Ice Packs (IP)	Ice Present? Y/N	Loose (L) Bagged Ice (B) or NA	Comments
1	017751	2.50C	TB	WI	Y	B	
2	↓	1.30C	↓	↓	↓	↓	
3							
4							
5							
6							

Number of Trip Blanks received NOT listed on chain of custody: 0

Paperwork Discrepancy/Unpacking Problems:
321 (S.O-S.S) time on job 1050.

Sample Administration Internal Chain of Custody			
Name	Date	Time	Reason for Transfer
<u>May [Signature]</u>	<u>12/10/09</u>	<u>1535</u>	Unpacking to storage
<u>Jammy Deland</u>	<u>12/10/09</u>	<u>1543</u>	Place in Storage or <u>Entry</u>
			Entry
			Entry

Lancaster Laboratories Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

N.D.	none detected	BMQL	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	MPN	Most Probable Number
IU	International Units	CP Units	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	NTU	nephelometric turbidity units
C	degrees Celsius	F	degrees Fahrenheit
Cal	(diet) calories	lb.	pound(s)
meq	milliequivalents	kg	kilogram(s)
g	gram(s)	mg	milligram(s)
ug	microgram(s)	l	liter(s)
ml	milliliter(s)	ul	microliter(s)
m3	cubic meter(s)	fib >5 um/ml	fibers greater than 5 microns in length per ml
<	less than – The number following the sign is the <u>limit of quantitation</u> , the smallest amount of analyte which can be reliably determined using this specific test.		
>	greater than		
ppm	parts per million – One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.		
ppb	parts per billion		
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture.		

U.S. EPA data qualifiers:

Organic Qualifiers

A	TIC is a possible aldol-condensation product
B	Analyte was also detected in the blank
C	Pesticide result confirmed by GC/MS
D	Compound quantitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
J	Estimated value
N	Presumptive evidence of a compound (TICs only)
P	Concentration difference between primary and confirmation columns >25%
U	Compound was not detected
X,Y,Z	Defined in case narrative

Inorganic Qualifiers

B	Value is <CRDL, but ≥IDL
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike amount not within control limits
S	Method of standard additions (MSA) used for calculation
U	Compound was not detected
W	Post digestion spike out of control limits
*	Duplicate analysis not within control limits
+	Correlation coefficient for MSA <0.995

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

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ANALYTICAL RESULTS

Prepared for:

CRG-E.I.DuPont de Nemours & Co
URS Corporation
1200 Philadelphia Pike
Wilmington DE 19809-2040

302-992-0595

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

December 23, 2009

Project: POM - DELTA UPLANDS

Samples arrived at the laboratory on Thursday, December 10, 2009. The PO# for this group is LBIO-66380 and the release number is LA28358. The group number for this submittal is 1174702.

<u>Client Sample Description</u>	<u>Lancaster Labs (LLI) #</u>
POM-K-536-EQBLK5 Blank Water Sample	5861131
POM-K-536-EQBLK6 Blank Water Sample	5861132
POM-K-536-EQBLK7 Blank Water Sample	5861133
POM-S-536-1D(5.5-6.0) Soil Sample	5861134
POM-S-536-295(2.0-2.5) Unspiked Soil Sample	5861135
POM-S-536-295(2.0-2.5)-MS Matrix Spike Soil Sample	5861136
POM-S-536-295(2.0-2.5)-MSD Matrix Spike Dup Soil	5861137
POM-S-536-295(2.0-2.5) Duplicate Soil Sample	5861138
POM-S-536-295(2.0-2.5)-DUP Soil Sample	5861139
POM-S-536-295(3.0-3.5) Soil Sample	5861140
POM-S-536-299(1.0-1.5) Soil Sample	5861141
POM-S-536-299(2.0-2.5) Soil Sample	5861142
POM-S-536-299(3.0-3.5) Soil Sample	5861143
POM-S-536-35D(1.0-1.5) Soil Sample	5861144
POM-S-536-292(1.0-1.5) Soil Sample	5861145
POM-S-536-292(2.0-2.5) Soil Sample	5861146
POM-S-536-292(3.0-3.5) Soil Sample	5861147

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

ELECTRONIC COPY TO
ELECTRONIC COPY TO
1 COPY TO

URS Corporation
LLI
Data Package Group

Attn: George Nemeth

Attn: EDD Group

Questions? Contact your Client Services Representative
Nancy J Bornholm at (717) 656-2300

Respectfully Submitted,



Max E. Snavelly
Senior Specialist



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-K-536-EQBLK5 Blank Water Sample
DELTA UPLANDS 12/7/09

LLI Sample # WW 5861131
LLI Group # 1174702
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/07/2009 16:15 by GN

Account Number: 07032

Submitted: 12/10/2009 09:35
Reported: 12/23/2009 at 10:55
Discard: 01/23/2010

CRG-E.I.DuPont de Nemours & Co
URS Corporation
1200 Philadelphia Pike
Wilmington DE 19809-2040

536E5 SDG#: DLN25-01EB

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals						
07055	Lead	SW-846 6010B 7439-92-1	mg/l N.D.	mg/l 0.0069	mg/l 0.0150	1
00259	Mercury	SW-846 7470A 7439-97-6	mg/l N.D.	mg/l 0.000056	mg/l 0.00020	1

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	093455705009	12/19/2009 01:59	John W Yanzuk II	1
00259	Mercury	SW-846 7470A	1	093455713010	12/15/2009 11:51	Damary Valentin	1
05705	WW/TL SW 846 ICP Digest (tot)	SW-846 3010A	1	093455705009	12/14/2009 10:13	Denise K Conners	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	093455713010	12/14/2009 10:42	Denise K Conners	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-K-536-EQBLK6 Blank Water Sample
DELTA UPLANDS 12/7/09

LLI Sample # WW 5861132
LLI Group # 1174702
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/08/2009 17:00 by GN

Account Number: 07032

Submitted: 12/10/2009 09:35
Reported: 12/23/2009 at 10:55
Discard: 01/23/2010

CRG-E.I.DuPont de Nemours & Co
URS Corporation
1200 Philadelphia Pike
Wilmington DE 19809-2040

536E6 SDG#: DLN25-02EB

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals						
07055	Lead	SW-846 6010B 7439-92-1	mg/l N.D.	mg/l 0.0069	mg/l 0.0150	1
00259	Mercury	SW-846 7470A 7439-97-6	mg/l N.D.	mg/l 0.000056	mg/l 0.00020	1

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	093455705009	12/19/2009 02:03	John W Yanzuk II	1
00259	Mercury	SW-846 7470A	1	093455713010	12/15/2009 11:52	Damary Valentin	1
05705	WW/TL SW 846 ICP Digest (tot)	SW-846 3010A	1	093455705009	12/14/2009 10:13	Denise K Conners	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	093455713010	12/14/2009 10:42	Denise K Conners	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-K-536-EQBLK7 Blank Water Sample
DELTA UPLANDS 12/7/09

LLI Sample # WW 5861133
LLI Group # 1174702
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/09/2009 15:30 by GN

Account Number: 07032

Submitted: 12/10/2009 09:35
Reported: 12/23/2009 at 10:55
Discard: 01/23/2010

CRG-E.I.DuPont de Nemours & Co
URS Corporation
1200 Philadelphia Pike
Wilmington DE 19809-2040

536E7 SDG#: DLN25-03EB

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals			mg/l	mg/l	mg/l	
07053	Copper	7440-50-8	N.D.	0.0027	0.0100	1
	The recovery of the post digestion spike performed on the background was 101% for copper.					
07055	Lead	7439-92-1	N.D.	0.0069	0.0150	1
SW-846 6010B			mg/l	mg/l	mg/l	
00259	Mercury	7439-97-6	N.D.	0.000056	0.00020	1
SW-846 7470A			mg/l	mg/l	mg/l	

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07053	Copper	SW-846 6010B	1	093455705009	12/19/2009 02:06	John W Yanzuk II	1
07055	Lead	SW-846 6010B	1	093455705009	12/19/2009 02:06	John W Yanzuk II	1
00259	Mercury	SW-846 7470A	1	093455713010	12/15/2009 11:54	Damary Valentin	1
05705	WW/TL SW 846 ICP Digest (tot)	SW-846 3010A	1	093455705009	12/14/2009 10:13	Denise K Conners	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	093455713010	12/14/2009 10:42	Denise K Conners	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-1D(5.5-6.0) Soil Sample
DELTA UPLANDS 12/7/09

LLI Sample # SW 5861134
LLI Group # 1174702
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/08/2009 15:37 by GN

Account Number: 07032

Submitted: 12/10/2009 09:35
Reported: 12/23/2009 at 10:55
Discard: 01/23/2010

CRG-E.I.DuPont de Nemours & Co
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1D-56 SDG#: DLN25-04

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 7471A	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	26.8	0.895	7.79	20
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	74.7	0.50	0.50	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.						

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	093505711002	12/17/2009 16:14	Nelli S Markaryan	20
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	093505711002	12/17/2009 00:30	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	09348820002A	12/14/2009 18:32	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-295(2.0-2.5) Unspiked Soil Sample
DELTA UPLANDS 12/7/09

LLI Sample # SW 5861135
LLI Group # 1174702
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/08/2009 16:55 by GN

Account Number: 07032

Submitted: 12/10/2009 09:35
Reported: 12/23/2009 at 10:55
Discard: 01/23/2010

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295-2 SDG#: DLN25-05BKG

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
06955	Lead	SW-846 6010B 7439-92-1	mg/kg 6.17	mg/kg 0.772	mg/kg 1.93	1
00159	Mercury	SW-846 7471A 7439-97-6	mg/kg 0.226	mg/kg 0.0143	mg/kg 0.124	1
Wet Chemistry						
00111	Moisture	SM20 2540 G n.a.	% 22.3	% 0.50	% 0.50	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.						

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	093505708004	12/21/2009 00:07	Tara L Snyder	1
00159	Mercury	SW-846 7471A	1	093505711002	12/17/2009 15:41	Nelli S Markaryan	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	093505708004	12/16/2009 20:35	Annamaria Stipkovits	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	093505711002	12/17/2009 00:30	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	09348820002A	12/14/2009 18:32	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

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Sample Description: POM-S-536-295(2.0-2.5)-MS Matrix Spike Soil Sample
DELTA UPLANDS 12/7/09

LLI Sample # SW 5861136
LLI Group # 1174702
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/08/2009 16:55 by GN

Account Number: 07032

Submitted: 12/10/2009 09:35
Reported: 12/23/2009 at 10:55
Discard: 01/23/2010

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295-2 SDG#: DLN25-05MS

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
06955	Lead	SW-846 6010B 7439-92-1	mg/kg 26.6	mg/kg 0.772	mg/kg 1.93	1
00159	Mercury	SW-846 7471A 7439-97-6	mg/kg 0.487	mg/kg 0.0143	mg/kg 0.125	1
Wet Chemistry						
00118	Moisture	SM20 2540 G n.a.	% 22.3	% 0.50	% 0.50	1

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	093505708004	12/21/2009 00:18	Tara L Snyder	1
00159	Mercury	SW-846 7471A	1	093505711002	12/17/2009 15:47	Nelli S Markaryan	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	093505708004	12/16/2009 20:35	Annamaria Stipkovits	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	093505711002	12/17/2009 00:30	Annamaria Stipkovits	1
00118	Moisture	SM20 2540 G	1	09348820002A	12/14/2009 18:32	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: POM-S-536-295(2.0-2.5)-MSD Matrix Spike Dup Soil
 Sample
 DELTA UPLANDS 12/7/09

LLI Sample # SW 5861137
 LLI Group # 1174702
 NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/08/2009 16:55 by GN

Account Number: 07032

Submitted: 12/10/2009 09:35
 Reported: 12/23/2009 at 10:55
 Discard: 01/23/2010

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295-2 SDG#: DLN25-05MSD

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
06955	Lead	SW-846 6010B 7439-92-1	mg/kg 26.8	mg/kg 0.772	mg/kg 1.93	1
00159	Mercury	SW-846 7471A 7439-97-6	mg/kg 0.506	mg/kg 0.0143	mg/kg 0.125	1
Wet Chemistry						
00118	Moisture	SM20 2540 G n.a.	% 22.3	% 0.50	% 0.50	1

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	093505708004	12/21/2009 00:21	Tara L Snyder	1
00159	Mercury	SW-846 7471A	1	093505711002	12/17/2009 15:48	Nelli S Markaryan	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	093505708004	12/16/2009 20:35	Annamaria Stipkovits	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	093505711002	12/17/2009 00:30	Annamaria Stipkovits	1
00118	Moisture	SM20 2540 G	1	09348820002A	12/14/2009 18:32	Scott W Freisher	1

Sample Description: POM-S-536-295(2.0-2.5) Duplicate Soil Sample
DELTA UPLANDS 12/7/09

LLI Sample # SW 5861138
LLI Group # 1174702
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/08/2009 16:55 by GN

Account Number: 07032

Submitted: 12/10/2009 09:35
Reported: 12/23/2009 at 10:55
Discard: 01/23/2010

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295-2 SDG#: DLN25-05DUP

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
06955	Lead	SW-846 6010B 7439-92-1	mg/kg 5.00	mg/kg 0.772	mg/kg 1.93	1
00159	Mercury	SW-846 7471A 7439-97-6	mg/kg 0.316	mg/kg 0.0142	mg/kg 0.124	1
Wet Chemistry						
00118	Moisture	SM20 2540 G n.a.	% 22.3	% 0.50	% 0.50	1
00121	Moisture Duplicate	n.a.	23.3	0.50	0.50	1
The duplicate moisture value is provided to assess the precision of the moisture test. For comparability purposes, the initial moisture determination is the value used to perform dry weight calculations.						

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	093505708004	12/21/2009 00:14	Tara L Snyder	1
00159	Mercury	SW-846 7471A	1	093505711002	12/17/2009 15:46	Nelli S Markaryan	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	093505708004	12/16/2009 20:35	Annamaria Stipkovits	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	093505711002	12/17/2009 00:30	Annamaria Stipkovits	1
00118	Moisture	SM20 2540 G	1	09348820002A	12/14/2009 18:32	Scott W Freisher	1
00121	Moisture Duplicate	SM20 2540 G	1	09348820002A	12/14/2009 18:32	Scott W Freisher	1



Analysis Report

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Sample Description: POM-S-536-295(2.0-2.5)-DUP Soil Sample
DELTA UPLANDS 12/7/09

LLI Sample # SW 5861139
LLI Group # 1174702
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/08/2009 16:55 by GN

Account Number: 07032

Submitted: 12/10/2009 09:35
Reported: 12/23/2009 at 10:55
Discard: 01/23/2010

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295FD SDG#: DLN25-06FD

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
06955	Lead	SW-846 6010B 7439-92-1	mg/kg 6.25	mg/kg 0.751	mg/kg 1.88	1
00159	Mercury	SW-846 7471A 7439-97-6	mg/kg 0.353	mg/kg 0.0143	mg/kg 0.125	1
Wet Chemistry						
00111	Moisture	SM20 2540 G n.a.	% 20.9	% 0.50	% 0.50	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.						

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	093505708004	12/21/2009 00:32	Tara L Snyder	1
00159	Mercury	SW-846 7471A	1	093505711002	12/17/2009 15:50	Nelli S Markaryan	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	093505708004	12/16/2009 20:35	Annamaria Stipkovits	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	093505711002	12/17/2009 00:30	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	09348820002A	12/14/2009 18:32	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

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Sample Description: POM-S-536-295(3.0-3.5) Soil Sample
DELTA UPLANDS 12/7/09

LLI Sample # SW 5861140
LLI Group # 1174702
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/08/2009 17:05 by GN

Account Number: 07032

Submitted: 12/10/2009 09:35
 Reported: 12/23/2009 at 10:55
 Discard: 01/23/2010

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295-3 SDG#: DLN25-07

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
06955	Lead	SW-846 6010B 7439-92-1	mg/kg 23.5	mg/kg 1.65	mg/kg 4.11	1
00159	Mercury	SW-846 7471A 7439-97-6	mg/kg 8.92	mg/kg 0.317	mg/kg 2.76	10
Wet Chemistry						
00111	Moisture	SM20 2540 G n.a.	% 63.9	% 0.50	% 0.50	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.						

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	093505708004	12/21/2009 00:43	Tara L Snyder	1
00159	Mercury	SW-846 7471A	1	093505711002	12/17/2009 16:16	Nelli S Markaryan	10
05708	SW SW846 ICP Digest	SW-846 3050B	1	093505708004	12/16/2009 20:35	Annamaria Stipkovits	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	093505711002	12/17/2009 00:30	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	09348820002A	12/14/2009 18:32	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-299(1.0-1.5) Soil Sample
DELTA UPLANDS 12/7/09

LLI Sample # SW 5861141
LLI Group # 1174702
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/09/2009 13:52 by GN

Account Number: 07032

Submitted: 12/10/2009 09:35
Reported: 12/23/2009 at 10:55
Discard: 01/23/2010

CRG-E.I.DuPont de Nemours & Co
URS Corporation
1200 Philadelphia Pike
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299-1 SDG#: DLN25-08

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
06955	Lead	SW-846 6010B 7439-92-1	mg/kg 343	mg/kg 0.813	mg/kg 2.03	1
00159	Mercury	SW-846 7471A 7439-97-6	mg/kg 12.1	mg/kg 0.799	mg/kg 6.95	50
Wet Chemistry						
00111	Moisture	SM20 2540 G n.a.	% 29.0	% 0.50	% 0.50	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.						

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	093505708004	12/21/2009 00:46	Tara L Snyder	1
00159	Mercury	SW-846 7471A	1	093505711002	12/17/2009 16:17	Nelli S Markaryan	50
05708	SW SW846 ICP Digest	SW-846 3050B	1	093505708004	12/16/2009 20:35	Annamaria Stipkovits	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	093505711002	12/17/2009 00:30	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	09348820002A	12/14/2009 18:32	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-299(2.0-2.5) Soil Sample
DELTA UPLANDS 12/7/09

LLI Sample # SW 5861142
LLI Group # 1174702
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/09/2009 13:55 by GN

Account Number: 07032

Submitted: 12/10/2009 09:35
Reported: 12/23/2009 at 10:55
Discard: 01/23/2010

CRG-E.I.DuPont de Nemours & Co
URS Corporation
1200 Philadelphia Pike
Wilmington DE 19809-2040

299-2 SDG#: DLN25-09

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010B	mg/kg	mg/kg	mg/kg	
06955	Lead	7439-92-1	555	0.870	2.18	1
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	33.7	0.50	0.50	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.						

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	093505708004	12/21/2009 00:50	Tara L Snyder	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	093505708004	12/16/2009 20:35	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	09348820002A	12/14/2009 18:32	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-299(3.0-3.5) Soil Sample
DELTA UPLANDS 12/7/09

LLI Sample # SW 5861143
LLI Group # 1174702
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/09/2009 13:57 by GN

Account Number: 07032

Submitted: 12/10/2009 09:35
Reported: 12/23/2009 at 10:55
Discard: 01/23/2010

CRG-E.I.DuPont de Nemours & Co
URS Corporation
1200 Philadelphia Pike
Wilmington DE 19809-2040

299-3 SDG#: DLN25-10

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010B	mg/kg	mg/kg	mg/kg	
06955	Lead	7439-92-1	128	0.699	1.75	1
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	15.9	0.50	0.50	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.						

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	093505708004	12/21/2009 00:54	Tara L Snyder	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	093505708004	12/16/2009 20:35	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	09348820002A	12/14/2009 18:32	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-35D(1.0-1.5) Soil Sample
DELTA UPLANDS 12/7/09

LLI Sample # SW 5861144
LLI Group # 1174702
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/09/2009 14:26 by GN

Account Number: 07032

Submitted: 12/10/2009 09:35
Reported: 12/23/2009 at 10:55
Discard: 01/23/2010

CRG-E.I.DuPont de Nemours & Co
URS Corporation
1200 Philadelphia Pike
Wilmington DE 19809-2040

35D-1 SDG#: DLN25-11

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals			SW-846 6010B	mg/kg	mg/kg	
06953	Copper	7440-50-8	880	0.317	1.59	1
06955	Lead	7439-92-1	630	0.952	2.38	1
Wet Chemistry			SM20 2540 G	%	%	
00111	Moisture	n.a.	38.2	0.50	0.50	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.						

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06953	Copper	SW-846 6010B	1	093505708004	12/21/2009 00:57	Tara L Snyder	1
06955	Lead	SW-846 6010B	1	093505708004	12/21/2009 00:57	Tara L Snyder	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	093505708004	12/16/2009 20:35	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	09348820002A	12/14/2009 18:32	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-292(1.0-1.5) Soil Sample
DELTA UPLANDS 12/7/09

LLI Sample # SW 5861145
LLI Group # 1174702
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/09/2009 15:10 by GN

Account Number: 07032

Submitted: 12/10/2009 09:35
Reported: 12/23/2009 at 10:55
Discard: 01/23/2010

CRG-E.I.DuPont de Nemours & Co
URS Corporation
1200 Philadelphia Pike
Wilmington DE 19809-2040

292-1 SDG#: DLN25-12

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010B	mg/kg	mg/kg	mg/kg	
06955	Lead	7439-92-1	116	0.744	1.86	1
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	19.4	0.50	0.50	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.						

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	093505708004	12/21/2009 01:01	Tara L Snyder	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	093505708004	12/16/2009 20:35	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	09348820002A	12/14/2009 18:32	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-292(2.0-2.5) Soil Sample
DELTA UPLANDS 12/7/09

LLI Sample # SW 5861146
LLI Group # 1174702
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/09/2009 15:15 by GN

Account Number: 07032

Submitted: 12/10/2009 09:35
Reported: 12/23/2009 at 10:55
Discard: 01/23/2010

CRG-E.I.DuPont de Nemours & Co
URS Corporation
1200 Philadelphia Pike
Wilmington DE 19809-2040

292-2 SDG#: DLN25-13

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010B	mg/kg	mg/kg	mg/kg	
06955	Lead	7439-92-1	1,090	1.31	3.28	1
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	54.7	0.50	0.50	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.						

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	093505708004	12/21/2009 01:04	Tara L Snyder	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	093505708004	12/16/2009 20:35	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	09348820002A	12/14/2009 18:32	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-292(3.0-3.5) Soil Sample
DELTA UPLANDS 12/7/09

LLI Sample # SW 5861147
LLI Group # 1174702
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/09/2009 15:20 by GN

Account Number: 07032

Submitted: 12/10/2009 09:35
Reported: 12/23/2009 at 10:55
Discard: 01/23/2010

CRG-E.I.DuPont de Nemours & Co
URS Corporation
1200 Philadelphia Pike
Wilmington DE 19809-2040

292-3 SDG#: DLN25-14*

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
06955	Lead	SW-846 6010B 7439-92-1	mg/kg 5.40	mg/kg 0.689	mg/kg 1.72	1
00159	Mercury	SW-846 7471A 7439-97-6	mg/kg 0.464	mg/kg 0.0133	mg/kg 0.116	1
Wet Chemistry						
00111	Moisture	SM20 2540 G n.a.	% 15.4	% 0.50	% 0.50	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.						

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	093505708004	12/23/2009 04:18	John W Yanzuk II	1
00159	Mercury	SW-846 7471A	1	093505711002	12/17/2009 15:55	Nelli S Markaryan	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	093505708004	12/16/2009 20:35	Annamaria Stipkovits	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	093505711002	12/17/2009 00:30	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	09348820002A	12/14/2009 18:32	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Quality Control Summary

 Client Name: CRG-E.I.DuPont de Nemours & Co
 Reported: 12/23/09 at 10:55 AM

Group Number: 1174702

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: 093455705009	Sample number(s): 5861131-5861133								
Copper	N.D.	0.0027	0.0100	mg/l	105		90-112		
Lead	N.D.	0.0069	0.0150	mg/l	104		80-120		
Batch number: 093455713010	Sample number(s): 5861131-5861133								
Mercury	N.D.	0.00005	0.00020	mg/l	92		80-120		
		6							
Batch number: 093505708004	Sample number(s): 5861135-5861147								
Copper	N.D.	0.200	1.00	mg/kg	96		90-110		
Lead	N.D.	0.600	1.50	mg/kg	99		85-114		
Batch number: 093505711002	Sample number(s): 5861134-5861141,5861147								
Mercury	N.D.	0.0111	0.0965	mg/kg	96		66-135		
Batch number: 09348820002A	Sample number(s): 5861134-5861147								
Moisture					100		99-101		
Moisture					100		99-101		
Moisture Duplicate					100		99-101		

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
 Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>RPD MAX</u>	<u>BKG Conc</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>
Batch number: 093455705009	Sample number(s): 5861131-5861133 UNSPK: P858932 BKG: P858932								
Copper	118	137*	86-122	14	20	0.0249	0.0245	1 (1)	20
Lead	103	102	75-125	1	20	N.D.	N.D.	0 (1)	20
Batch number: 093455713010	Sample number(s): 5861131-5861133 UNSPK: P860037 BKG: P860037								
Mercury	89	92	80-120	3	20	N.D.	N.D.	0 (1)	20
Batch number: 093505708004	Sample number(s): 5861135-5861147 UNSPK: 5861135 BKG: 5861135								
Copper	102	101	75-125	1	20	13.4	9.94	30*	20
Lead	106	107	75-125	1	20	4.79	3.88	21* (1)	20
Batch number: 093505711002	Sample number(s): 5861134-5861141,5861147 UNSPK: 5861135 BKG: 5861135								
Mercury	126*	135*	80-120	4	20	0.175	0.245	33* (1)	20
Batch number: 09348820002A	Sample number(s): 5861134-5861147 BKG: 5861135								
Moisture						22.3	23.3	4	15

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/23/09 at 10:55 AM

Group Number: 1174702

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup RPD</u> <u>Max</u>
Moisture						22.3	23.3	4	15
Moisture Duplicate						22.3	23.3	4	15

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.



Analysis Request / Environmental Services Chain of Custody

3 of 4

For Lancaster Laboratories Use Only

Group No.: 1174702 Sample Nos.: 5861131-47
 Acc't: 07032 SCR No.: 84545 Cooler No.: C08609 14953
 Cooler Temperature upon receipt: 13-2.5 °C Container No.: 12

Facility Name: Pompton Lakes		Project Manager: Marj Vetter		Analyses Required (Vertical text: <u>Moisture (SM20 25006)</u>)										Comments:					
Facility Contact: George Nemeth		Facility Contact Phone No.: 973-492-7735																	
Facility Address: Pompton Lakes Works		Job No.: 9267-7720100C-WH06507906																	
2000 Cannonball Road		Release No.: LA28358																	
Pompton Lakes NJ 07442		PO Number: LBIO-66380																	
Sampler(s): <u>George Nemeth / Dan Youngblood</u>																			
Project Name: DELTA UPLANDS 12/7/09																			
Sample Identification	Date Collected	Time Collected	Matrix	Containers			Cu (6010)	Pb (6010)	Se (6010)	Hg (7470)	Moisture (SM20 25006)							Condition upon receipt:	
				Volume (ml)	Preserv	No.													
POM-K-536-EQBLK <u>5</u>	<u>12/7/09</u>	<u>1615</u>	<u>WW</u>	<u>500</u>	<u>HNO3</u>	<u>1</u>		<u>X</u>		<u>X</u>									<u>Int'l</u>
POM-K-536-EQBLK <u>6</u>	<u>12/8/09</u>	<u>1700</u>	<u>WW</u>	<u>500</u>	<u>↓</u>	<u>1</u>													
POM-K-536-EQBLK <u>7</u>	<u>12/9/09</u>	<u>1530</u>	<u>WW</u>	<u>500</u>	<u>↓</u>	<u>1</u>	<u>X</u>	<u>X</u>		<u>X</u>									
POM-S-536-1D (5.5-6.0)	<u>12/8/09</u>	<u>1537</u>	<u>SW</u>	<u>125</u>	<u>None</u>	<u>1</u>				<u>X</u>	<u>X</u>								
POM-S-536-295 (2.0-2.5)	<u>↓</u>	<u>1655</u>	<u>SW</u>	<u>125</u>	<u>None</u>	<u>1</u>		<u>X</u>		<u>X</u>	<u>X</u>								
POM-S-29 GN																			<u>(GN)</u>
POM-S-536-295 (3.0-3.5)	<u>12/8/09</u>	<u>1705</u>	<u>SW</u>	<u>125</u>	<u>None</u>	<u>1</u>		<u>X</u>		<u>X</u>	<u>X</u>								
POM-S-536-299 (1.0-1.5)	<u>12/9/09</u>	<u>1352</u>	<u>↓</u>	<u>↓</u>	<u>↓</u>	<u>↓</u>		<u>X</u>		<u>X</u>	<u>X</u>								
POM-S-536-299 (2.0-2.5)	<u>↓</u>	<u>1355</u>	<u>↓</u>	<u>↓</u>	<u>↓</u>	<u>↓</u>		<u>X</u>		<u>X</u>	<u>X</u>								
POM-S-536-299 (3.0-3.5)	<u>↓</u>	<u>1357</u>	<u>↓</u>	<u>↓</u>	<u>↓</u>	<u>↓</u>		<u>X</u>		<u>X</u>	<u>X</u>								
POM-S-536-35D (1.0-1.5)	<u>↓</u>	<u>1426</u>	<u>↓</u>	<u>↓</u>	<u>↓</u>	<u>↓</u>	<u>X</u>	<u>X</u>		<u>X</u>	<u>X</u>								
Turnaround Time Requested (please circle): <u>Normal</u> Rush Number of days: _____							Special Instructions:												
Bottles Relinquished by: <u>George Nemeth</u>		Date: <u>12/9/09</u>	Time: <u>1630</u>	Bottles Received by:								Date:	Time:						
Bottles Relinquished by:		Date:	Time:	Bottles Received by:								Date:	Time:						
Bottles Relinquished by:		Date:	Time:	Bottles Received by:								Date:	Time:						
Bottles Relinquished by:		Date:	Time:	Bottles Received by: <u>[Signature]</u>								Date: <u>12/10/09</u>	Time: <u>935</u>						

For Lancaster Laboratories Use Only

Group No.: 1174702 Sample Nos.: 586113147
 Acc't: 07032 SCR No.: 84545 Cooler No.: C08609 14952
 Cooler Temperature upon receipt: 1.3-2.5 °C Container No.: 12

Facility Name: Pompton Lakes	Project Manager: Marj Vetter	Analyses Required	
Facility Contact: George Nemeth	Facility Contact Phone No.: 973-492-7735		
Facility Address: Pompton Lakes Works	Job No.: 9267-7720100C-WH06507906		
2000 Cannonball Road	Release No.: LA28358		
Pompton Lakes NJ 07442	PO Number: LBIO-66380		
Sampler(s): <u>George Nemeth / Dan Youngblood</u>			
Project Name: DELTA UPLANDS 12/7/09			

Sample Identification	Date Collected	Time Collected	Matrix	Containers			Moisture (SM20 2540 G)	Cu (6010)	Pb (6010)	Se (6010)	Hg (7471)	Condition upon receipt:
				Volume (ml)	Preserv	No.						
POM-S-536- <u>295 (2.0-2.5)</u> -MS	<u>12/8/09</u>	<u>1655</u>	SW	125	None	1	X	X	X			<u>Intact</u>
POM-S-536- <u>295 (2.0-2.5)</u> -MSD	↓	↓	SW	125	None	1	X	X	X			
POM-S-536- <u>295 (2.0-2.5)</u> -DUP	↓	↓	SW	125	None	1	X	X	X			
POM-S-536-<u>292 (1.0-1.5)</u>	<u>12/9/09</u>	<u>1510</u>	↓	↓	↓	↓	↓	X	X			
POM-S-536-<u>292 (2.0-2.5)</u>	↓	<u>1515</u>	↓	↓	↓	↓	↓	X	X			
POM-S-536-<u>292 (3.0-3.5)</u>	↓	<u>1520</u>	↓	↓	↓	↓	↓	X	X			

Turnaround Time Requested (please circle): <u>Normal</u> Rush Number of days: _____	Special Instructions: _____
Bottles Relinquished by: <u>George Nemeth</u> Date: <u>12/9/09</u> Time: <u>1630</u>	Bottles Received by: Date: Time:
Bottles Relinquished by: Date: Time:	Bottles Received by: Date: Time:
Bottles Relinquished by: Date: Time:	Bottles Received by: Date: Time:
Bottles Relinquished by: _____ Date: _____ Time: _____	Bottles Received by: <u>Dan Youngblood</u> Date: <u>12/10/09</u> Time: <u>935</u>

Environmental Sample Administration Receipt Documentation Log

Client/Project: Pompton Lakes
 Date of Receipt: 12/10/09
 Time of Receipt: 935
 Source Code: 501
 Unpacker Emp. No.: 2314

Shipping Container Sealed: YES NO

Custody Seal Present *: YES NO

* Custody seal was intact unless otherwise noted in the discrepancy section

Package: Chilled Not Chilled

Temperature of Shipping Containers							
Cooler #	Thermometer ID	Temperature (°C)	Temp Bottle (TB) or Surface Temp (ST)	Wet Ice (WI) or Dry Ice (DI) or Ice Packs (IP)	Ice Present? Y/N	Loose (L) Bagged Ice (B) or NA	* Comments
1	017751	2.50C	TB	WI	Y	B	
2	↓	1.30C	↓	↓	↓	↓	
3							
4							
5							
6							

Number of Trip Blanks received NOT listed on chain of custody. 0

Paperwork Discrepancy/Unpacking Problems:

321 (S.O-S.S) time on for 1050.

Sample Administration Internal Chain of Custody			
Name	Date	Time	Reason for Transfer
<u>May [Signature]</u>	<u>12/10/09</u>	<u>1535</u>	Unpacking to storage
<u>Jimmy Deland</u>	<u>12/10/09</u>	<u>1544</u>	Place in Storage or <u>Entry</u>
			Entry
			Entry

Lancaster Laboratories Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

N.D.	none detected	BMQL	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	MPN	Most Probable Number
IU	International Units	CP Units	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	NTU	nephelometric turbidity units
C	degrees Celsius	F	degrees Fahrenheit
Cal	(diet) calories	lb.	pound(s)
meq	milliequivalents	kg	kilogram(s)
g	gram(s)	mg	milligram(s)
ug	microgram(s)	l	liter(s)
ml	milliliter(s)	ul	microliter(s)
m3	cubic meter(s)	fib >5 um/ml	fibers greater than 5 microns in length per ml
<	less than – The number following the sign is the <u>limit of quantitation</u> , the smallest amount of analyte which can be reliably determined using this specific test.		
>	greater than		
ppm	parts per million – One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.		
ppb	parts per billion		
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture.		

U.S. EPA data qualifiers:

Organic Qualifiers

A	TIC is a possible aldol-condensation product
B	Analyte was also detected in the blank
C	Pesticide result confirmed by GC/MS
D	Compound quantitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
J	Estimated value
N	Presumptive evidence of a compound (TICs only)
P	Concentration difference between primary and confirmation columns >25%
U	Compound was not detected
X,Y,Z	Defined in case narrative

Inorganic Qualifiers

B	Value is <CRDL, but ≥IDL
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike amount not within control limits
S	Method of standard additions (MSA) used for calculation
U	Compound was not detected
W	Post digestion spike out of control limits
*	Duplicate analysis not within control limits
+	Correlation coefficient for MSA <0.995

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

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ANALYTICAL RESULTS

Prepared for:

CRG-E.I.DuPont de Nemours & Co
URS Corporation
1200 Philadelphia Pike
Wilmington DE 19809-2040

302-992-0595

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

December 29, 2009

Project: POM - DELTA UPLANDS

Samples arrived at the laboratory on Friday, December 11, 2009. The PO# for this group is LBIO-66380 and the release number is LA28358. The group number for this submittal is 1174995.

<u>Client Sample Description</u>	<u>Lancaster Labs (LLI) #</u>
POM-S-536-294(1.0-1.5) Soil Sample	5863226
POM-S-536-294(3.0-3.5) Soil Sample	5863227
POM-S-536-285(1.0-1.5) Soil Sample	5863228
POM-S-536-285(2.0-2.5) Soil Sample	5863229
POM-S-536-285(4.0-4.5) Soil Sample	5863230
POM-S-536-285(5.0-5.5) Unspiked Soil Sample	5863231
POM-S-536-285(5.0-5.5)-MS Matrix Spike Soil Sample	5863232
POM-S-536-285(5.0-5.5)-MSD Matrix Spike Dup Soil	5863233
POM-S-536-285(5.0-5.5) Duplicate Soil Sample	5863234
POM-S-536-285(2.0-2.5)-DUP Soil Sample	5863235
POM-K-536-EQBLK8 Blank Water Sample	5863236

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

ELECTRONIC COPY TO	URS Corporation	Attn: George Nemeth
ELECTRONIC COPY TO	LLI	Attn: EDD Group
1 COPY TO	Data Package Group	

Questions? Contact your Client Services Representative
Nancy J Bornholm at (717) 656-2300

Respectfully Submitted,



Max E. Snavelly
Senior Specialist



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-294(1.0-1.5) Soil Sample
DELTA UPLANDS 12/7/09

LLI Sample # SW 5863226
LLI Group # 1174995
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/10/2009 11:30 by GN

Account Number: 07032

Submitted: 12/11/2009 18:55
Reported: 12/29/2009 at 11:04
Discard: 01/29/2010

CRG-E.I.DuPont de Nemours & Co
URS Corporation
1200 Philadelphia Pike
Wilmington DE 19809-2040

294-1 SDG#: DLN27-01

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010B	mg/kg	mg/kg	mg/kg	
06955	Lead	7439-92-1	626	1.27	3.18	1
	The matrix spike and matrix spike duplicate were out of specification for lead. The recovery of the post digestion spike performed on the background sample was 104%.					
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	52.9	0.50	0.50	1
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.					

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	093525708004	12/22/2009 01:42	Tara L Snyder	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	093525708004	12/20/2009 19:55	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	09348820004B	12/14/2009 16:08	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-294(3.0-3.5) Soil Sample
DELTA UPLANDS 12/7/09

LLI Sample # SW 5863227
LLI Group # 1174995
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/10/2009 11:40 by GN

Account Number: 07032

Submitted: 12/11/2009 18:55
Reported: 12/29/2009 at 11:04
Discard: 01/29/2010

CRG-E.I.DuPont de Nemours & Co
URS Corporation
1200 Philadelphia Pike
Wilmington DE 19809-2040

294-3 SDG#: DLN27-02

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 7471A	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.536	0.0131	0.114	1
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	15.6	0.50	0.50	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.						

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	093525711006	12/21/2009 20:02	Nelli S Markaryan	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	093525711006	12/20/2009 23:55	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	09348820004B	12/14/2009 16:08	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-285(1.0-1.5) Soil Sample
DELTA UPLANDS 12/7/09

LLI Sample # SW 5863228
LLI Group # 1174995
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/10/2009 14:56 by GN

Account Number: 07032

Submitted: 12/11/2009 18:55
Reported: 12/29/2009 at 11:04
Discard: 01/29/2010

CRG-E.I.DuPont de Nemours & Co
URS Corporation
1200 Philadelphia Pike
Wilmington DE 19809-2040

285-1 SDG#: DLN27-03

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010B	mg/kg	mg/kg	mg/kg	
06955	Lead	7439-92-1	609	1.74	4.35	1
	The matrix spike and matrix spike duplicate were out of specification for lead. The recovery of the post digestion spike performed on the background sample was 104%.					
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	66.2	0.50	0.50	1
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.					

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	093525708004	12/22/2009 01:46	Tara L Snyder	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	093525708004	12/20/2009 19:55	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	09348820004B	12/14/2009 16:08	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: POM-S-536-285(2.0-2.5) Soil Sample
DELTA UPLANDS 12/7/09

LLI Sample # SW 5863229
LLI Group # 1174995
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/10/2009 15:02 by GN

Account Number: 07032

Submitted: 12/11/2009 18:55
 Reported: 12/29/2009 at 11:04
 Discard: 01/29/2010

CRG-E.I.DuPont de Nemours & Co
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285-2 SDG#: DLN27-04

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010B	mg/kg	mg/kg	mg/kg	
06955	Lead	7439-92-1	826	1.38	3.46	1
	The matrix spike and matrix spike duplicate were out of specification for lead. The recovery of the post digestion spike performed on the background sample was 104%.					
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	57.1	0.50	0.50	1
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.					

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	093525708004	12/22/2009 01:56	Tara L Snyder	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	093525708004	12/20/2009 19:55	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	09348820004B	12/14/2009 16:08	Scott W Freisher	1



Analysis Report

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Sample Description: POM-S-536-285(4.0-4.5) Soil Sample
DELTA UPLANDS 12/7/09

LLI Sample # SW 5863230
LLI Group # 1174995
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/10/2009 15:04 by GN

Account Number: 07032

Submitted: 12/11/2009 18:55
Reported: 12/29/2009 at 11:04
Discard: 01/29/2010

CRG-E.I.DuPont de Nemours & Co
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285-4 SDG#: DLN27-05

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010B	mg/kg	mg/kg	mg/kg	
06955	Lead	7439-92-1	20.5	0.743	1.86	1
	The matrix spike and matrix spike duplicate were out of specification for lead. The recovery of the post digestion spike performed on the background sample was 104%.					
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	19.2	0.50	0.50	1
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.					

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	093525708004	12/22/2009 01:59	Tara L Snyder	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	093525708004	12/20/2009 19:55	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	09348820004B	12/14/2009 16:08	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-285(5.0-5.5) Unspiked Soil Sample
DELTA UPLANDS 12/7/09

LLI Sample # SW 5863231
LLI Group # 1174995
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/10/2009 15:06 by GN

Account Number: 07032

Submitted: 12/11/2009 18:55
Reported: 12/29/2009 at 11:04
Discard: 01/29/2010

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285-5 SDG#: DLN27-06BKG

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010B	mg/kg	mg/kg	mg/kg	
06955	Lead	7439-92-1	1,040	1.50	3.75	1
	The matrix spike and matrix spike duplicate were out of specification for lead. The recovery of the post digestion spike performed on the background sample was 104%.					
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	60.0	0.50	0.50	1
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.					

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	093525708004	12/22/2009 01:22	Tara L Snyder	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	093525708004	12/20/2009 19:55	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	09348820004B	12/14/2009 16:08	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: POM-S-536-285(5.0-5.5)-MS Matrix Spike Soil Sample
DELTA UPLANDS 12/7/09

LLI Sample # SW 5863232
LLI Group # 1174995
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/10/2009 15:06 by GN

Account Number: 07032

Submitted: 12/11/2009 18:55
Reported: 12/29/2009 at 11:04
Discard: 01/29/2010

CRG-E.I.DuPont de Nemours & Co
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285-5 SDG#: DLN27-06MS

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010B	mg/kg	mg/kg	mg/kg	
06955	Lead	7439-92-1	916	1.50	3.75	1
	The matrix spike and matrix spike duplicate were out of specification for lead. The recovery of the post digestion spike performed on the background sample was 104%.					
Wet Chemistry						
		SM20 2540 G	%	%	%	
00118	Moisture	n.a.	60.0	0.50	0.50	1

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	093525708004	12/22/2009 01:32	Tara L Snyder	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	093525708004	12/20/2009 19:55	Annamaria Stipkovits	1
00118	Moisture	SM20 2540 G	1	09348820004B	12/14/2009 16:08	Scott W Freisher	1



Analysis Report

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Sample Description: POM-S-536-285(5.0-5.5)-MSD Matrix Spike Dup Soil
Sample
DELTA UPLANDS 12/7/09

LLI Sample # SW 5863233
LLI Group # 1174995
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/10/2009 15:06 by GN

Account Number: 07032

Submitted: 12/11/2009 18:55
Reported: 12/29/2009 at 11:04
Discard: 01/29/2010

CRG-E.I.DuPont de Nemours & Co
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Wilmington DE 19809-2040

285-5 SDG#: DLN27-06MSD

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010B	mg/kg	mg/kg	mg/kg	
06955	Lead	7439-92-1	885	1.50	3.75	1
The matrix spike and matrix spike duplicate were out of specification for lead. The recovery of the post digestion spike performed on the background sample was 104%.						
Wet Chemistry						
		SM20 2540 G	%	%	%	
00118	Moisture	n.a.	60.0	0.50	0.50	1

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	093525708004	12/22/2009 01:36	Tara L Snyder	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	093525708004	12/20/2009 19:55	Annamaria Stipkovits	1
00118	Moisture	SM20 2540 G	1	09348820004B	12/14/2009 16:08	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

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Sample Description: POM-S-536-285(5.0-5.5) Duplicate Soil Sample
DELTA UPLANDS 12/7/09

LLI Sample # SW 5863234
LLI Group # 1174995
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/10/2009 15:06 by GN

Account Number: 07032

Submitted: 12/11/2009 18:55
Reported: 12/29/2009 at 11:04
Discard: 01/29/2010

CRG-E.I.DuPont de Nemours & Co
URS Corporation
1200 Philadelphia Pike
Wilmington DE 19809-2040

285-5 SDG#: DLN27-06DUP

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010B	mg/kg	mg/kg	mg/kg	
06955	Lead	7439-92-1	1,030	1.50	3.75	1
	The matrix spike and matrix spike duplicate were out of specification for lead. The recovery of the post digestion spike performed on the background sample was 104%.					
Wet Chemistry						
		SM20 2540 G	%	%	%	
00118	Moisture	n.a.	60.0	0.50	0.50	1
00121	Moisture Duplicate	n.a.	61.3	0.50	0.50	1
	The duplicate moisture value is provided to assess the precision of the moisture test. For comparability purposes, the initial moisture determination is the value used to perform dry weight calculations.					

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	093525708004	12/22/2009 01:29	Tara L Snyder	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	093525708004	12/20/2009 19:55	Annamaria Stipkovits	1
00118	Moisture	SM20 2540 G	1	09348820004B	12/14/2009 16:08	Scott W Freisher	1
00121	Moisture Duplicate	SM20 2540 G	1	09348820004B	12/14/2009 16:08	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-285(2.0-2.5)-DUP Soil Sample
DELTA UPLANDS 12/7/09

LLI Sample # SW 5863235
LLI Group # 1174995
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/10/2009 15:02 by GN

Account Number: 07032

Submitted: 12/11/2009 18:55
Reported: 12/29/2009 at 11:04
Discard: 01/29/2010

CRG-E.I.DuPont de Nemours & Co
URS Corporation
1200 Philadelphia Pike
Wilmington DE 19809-2040

2855D SDG#: DLN27-07FD

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010B	mg/kg	mg/kg	mg/kg	
06955	Lead	7439-92-1	776	1.36	3.40	1
	The matrix spike and matrix spike duplicate were out of specification for lead. The recovery of the post digestion spike performed on the background sample was 104%.					
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	56.8	0.50	0.50	1
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.					

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	093525708004	12/22/2009 02:02	Tara L Snyder	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	093525708004	12/20/2009 19:55	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	09348820004B	12/14/2009 16:08	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-K-536-EQBLK8 Blank Water Sample
DELTA UPLANDS 12/7/09

LLI Sample # WW 5863236
LLI Group # 1174995
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/10/2009 15:00 by GN

Account Number: 07032

Submitted: 12/11/2009 18:55
Reported: 12/29/2009 at 11:04
Discard: 01/29/2010

CRG-E.I.DuPont de Nemours & Co
URS Corporation
1200 Philadelphia Pike
Wilmington DE 19809-2040

536E8 SDG#: DLN27-08EB*

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals						
07055	Lead	SW-846 6010B 7439-92-1	mg/l N.D.	mg/l 0.0069	mg/l 0.0150	1
00259	Mercury	SW-846 7470A 7439-97-6	mg/l 0.000074 J	mg/l 0.000056	mg/l 0.00020	1

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	093485705001	12/19/2009 00:06	John W Yanzuk II	1
00259	Mercury	SW-846 7470A	1	093485713001	12/15/2009 12:25	Damary Valentin	1
05705	WW/TL SW 846 ICP Digest (tot)	SW-846 3010A	1	093485705001	12/14/2009 14:49	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	093485713001	12/14/2009 14:30	James L Mertz	1

*=This limit was used in the evaluation of the final result

Quality Control Summary

 Client Name: CRG-E.I.DuPont de Nemours & Co
 Reported: 12/29/09 at 11:04 AM

Group Number: 1174995

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: 093485705001 Lead	N.D.	0.0069	0.0150	mg/l	103		80-120		
Batch number: 093485713001 Mercury	N.D.	0.00005 6	0.00020	mg/l	97		80-120		
Batch number: 093525708004 Lead	N.D.	0.600	1.50	mg/kg	101		85-114		
Batch number: 093525711006 Mercury	N.D.	0.0110	0.0959	mg/kg	100		66-135		
Batch number: 09348820004B Moisture Moisture Moisture Duplicate					100 100 100		99-101 99-101 99-101		

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
 Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>RPD MAX</u>	<u>BKG Conc</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>
Batch number: 093485705001 Lead	102	102	75-125	0	20	N.D.	N.D.	0 (1)	20
Batch number: 093485713001 Mercury	109	108	80-120	1	20	0.000088 J	0.00010 J	17 (1)	20
Batch number: 093525708004 Lead	-322 (2)	-403 (2)	75-125	3	20	414	412	1	20
Batch number: 093525711006 Mercury	93	79*	80-120	12	20	0.0460 J	0.0366 J	23* (1)	20
Batch number: 09348820004B Moisture Moisture Moisture Duplicate						60.0 60.0 60.0	61.3 61.3 61.3	2 2 2	15 15 15

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
 (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/29/09 at 11:04 AM

Group Number: 1174995

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.



Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only

Group No.: 1174995 Sample Nos.: 5863226-36
 Acc't: 07032 SQR No.: 84688 Cooler No.: C07178 15009
 Cooler Temperature upon receipt: 17°C °C Container No.:

Facility Name: Pompton Lakes				Project Manager: Marj Vetter				Analyses Required						Comments:						
Facility Contact: George Nemeth				Facility Contact Phone No.: 973-492-7735																
Facility Address: Pompton Lakes Works				Job No.: 9267-7720100C-WH06507906				Moisture (SM20 2540 G)						Condition upon receipt: <u>Intact</u>						
2000 Cannonball Road				Release No.: LA28358																
Pompton Lakes NJ 07442				PO Number: LBIO-66380																
Sampler(s): <u>George Nemeth / Dan Youngblood</u>				Project Name: DELTA UPLANDS 12/7/09																
Sample Identification	Date Collected	Time Collected	Matrix	Containers			Moisture	Cu (6010)	Pb (6010)	Se (6010)	Hg (7471)									
				Volume (ml)	Preserv	No.														
POM-S-536- <u>285(5.0-5.5)</u> -MS	<u>12/10/09</u>	<u>1506</u>	SW	125	None	1	X	X												
POM-S-536- <u>285(5.0-5.5)</u> -MSD	<u>↓</u>	<u>1506</u>	SW	125	None	1	X	X												
POM-S-536- <u>285(2.0-2.5)</u> -DUP	<u>↓</u>	<u>1502</u>	SW	125	None	1	X	X												
Turnaround Time Requested (please circle): <u>Normal</u> Rush Number of days: _____				Special Instructions:																
Bottles Relinquished by: <u>George Nemeth</u>				Date: <u>12-8-09</u>	Time: <u>1320</u>		Bottles Received by: <u>George Nemeth</u>						Date: <u>12/9/09</u>	Time: <u>~1000</u>						
Bottles Relinquished by: <u>George Nemeth</u>				Date: <u>12/11/09</u>	Time: <u>1410</u>		Bottles Received by: <u>George Nemeth</u>						Date: <u>12/14/09</u>	Time: <u>1410</u>						
Bottles Relinquished by: <u>George Nemeth</u>				Date: <u>12/11/09</u>	Time: <u>1855</u>		Bottles Received by: _____						Date: _____	Time: _____						
Bottles Relinquished by: _____				Date: _____	Time: _____		Bottles Received by: _____						Date: <u>12/11/09</u>	Time: <u>1855</u>						



Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only

Group No.: 1174995 Sample Nos.: 586226-36
 Acc't: 07032 SCR No.: 84688 Cooler No.: 007178 **15011**
 Cooler Temperature upon receipt: _____ °C Container No.: _____

Facility Name: Pompton Lakes	Project Manager: Marj Vetter	Analyses Required	Comments:
Facility Contact: George Nemeth	Facility Contact Phone No.: 973-492-7735		
Facility Address: Pompton Lakes Works	Job No.: 9267-7720100C-WH06507906		
2000 Cannonball Road	Release No.: LA28358		
Pompton Lakes NJ 07442	PO Number: LBIO-66380		
Sampler(s): <u>George Nemeth / Dan Youngblood</u>			
Project Name: DELTA UPLANDS 12/7/09			

Sample Identification	Date Collected	Time Collected	Matrix	Containers			Cu (6010)	Pb (6010)	Se (6010)	Hg (7470)	Condition upon receipt:
				Volume (ml)	Preserv	No.					
POM-K-EQBLK <u>8</u>	<u>12/10/09</u>	<u>1500</u>	WW	500	HNO3	1	<u>X</u>		<u>X</u>		<u>Intact</u>

Turnaround Time Requested (please circle) <u>Normal</u> Rush	Number of days: _____		Special Instructions:			
Bottles Relinquished by: <u>[Signature]</u>	Date: <u>12-8-09</u>	Time: <u>1320</u>	Bottles Received by: <u>[Signature]</u>	Date: <u>12/10/09</u>	Time: <u>~1000</u>	
Bottles Relinquished by: <u>[Signature]</u>	Date: <u>12-11-09</u>	Time: <u>1410</u>	Bottles Received by: <u>[Signature]</u>	Date: <u>12/10/09</u>	Time: <u>1400</u>	
Bottles Relinquished by: <u>[Signature]</u>	Date: <u>12/11/09</u>	Time: <u>1855</u>	Bottles Received by: _____	Date: _____	Time: _____	
Bottles Relinquished by: _____	Date: _____	Time: _____	Bottles Received by: _____	Date: <u>12/11/09</u>	Time: <u>1855</u>	

**Environmental Sample Administration
Receipt Documentation Log**

Client/Project: DuPont, Pungton Lakes
 Date of Receipt: 12/11/09
 Time of Receipt: 1855
 Source Code: 01
 Unpacker Emp. No.: 2308

Shipping Container Sealed: YES **NO**

Custody Seal Present *: YES **NO**

* Custody seal was intact unless otherwise noted in the discrepancy section

Package: **Chilled** Not Chilled

Temperature of Shipping Containers							
Cooler #	Thermometer ID	Temperature (°C)	Temp Bottle (TB) or Surface Temp (ST)	Wet Ice (WI) or Dry Ice (DI) or Ice Packs (IP)	Ice Present? Y/N	Loose (L) Bagged Ice (B) or NA	Comments
1	0429951	1.2°C	TB	WI	Y	B	
2							
3							
4							
5							
6							

Number of Trip Blanks received NOT listed on chain of custody. 0

Paperwork Discrepancy/Unpacking Problems:
Received / return bottle (sample) labeled with cancel not needed

Sample Administration Internal Chain of Custody			
Name	Date	Time	Reason for Transfer
<i>[Signature]</i>	12/11/09	1933	Unpacking to storage
<i>[Signature]</i>	12/11/09	2033	Place in Storage or Entry
			Entry
			Entry

Lancaster Laboratories Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

N.D.	none detected	BMQL	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	MPN	Most Probable Number
IU	International Units	CP Units	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	NTU	nephelometric turbidity units
C	degrees Celsius	F	degrees Fahrenheit
Cal	(diet) calories	lb.	pound(s)
meq	milliequivalents	kg	kilogram(s)
g	gram(s)	mg	milligram(s)
ug	microgram(s)	l	liter(s)
ml	milliliter(s)	ul	microliter(s)
m3	cubic meter(s)	fib >5 um/ml	fibers greater than 5 microns in length per ml
<	less than – The number following the sign is the <u>limit of quantitation</u> , the smallest amount of analyte which can be reliably determined using this specific test.		
>	greater than		
ppm	parts per million – One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.		
ppb	parts per billion		
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture.		

U.S. EPA data qualifiers:

Organic Qualifiers

A	TIC is a possible aldol-condensation product
B	Analyte was also detected in the blank
C	Pesticide result confirmed by GC/MS
D	Compound quantitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
J	Estimated value
N	Presumptive evidence of a compound (TICs only)
P	Concentration difference between primary and confirmation columns >25%
U	Compound was not detected
X,Y,Z	Defined in case narrative

Inorganic Qualifiers

B	Value is <CRDL, but ≥IDL
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike amount not within control limits
S	Method of standard additions (MSA) used for calculation
U	Compound was not detected
W	Post digestion spike out of control limits
*	Duplicate analysis not within control limits
+	Correlation coefficient for MSA <0.995

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

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Memorandum

DATE: FEBRUARY 9, 2010

TO: GEORGE NEMETH

MARJ VETTER

FROM: Dyana C. Saggess

RE: DELTA UPLANDS 12/14/09

Enclosed is the data report for solid samples collected 12/14-18/09. The samples were submitted to Lancaster Laboratories, Lancaster PA for the analyses listed below (not all analyses were scheduled for all samples- refer to the attached custody forms). All samples were received at the laboratory and analyzed within the recommended EPA holding times.

ANALYSIS	METHOD
Lead, Selenium	SW 846 6010B
Mercury	SW-846 7471A/ 7470A
Moisture (percent)	SM20 2540G

The electronic data submitted for this sampling event was reviewed via the DuPont Data Review (DDR) process. No significant QC exceptions were noted during the review. Some of the data has been qualified due to detections between the method detection limit and practical quantitation limit. One sample, POM-S-536-258(3.0-3.5) collected 12/17/09, was requested for quick turn around time analysis for lead.

Some of the sample ids have a "D" in them. They are, POM-S-536-33D(1.0-1.5), -536-33D(2.0-2.5) collected 12/14/09, -536-34D(5.0-5.5), -536-31D(2.0-2.5) collected 12/15/09, -536-26D(3.0-3.5), -536-80D(3.5-4.0) and -536-58D(6.0-6.5) collected 12/16/09. This is to define cores that were sampled for either horizontal step out delineation or an additional round for further depth delineation.

If the initial core location met the screening criteria, it had the core number only. If it was found to be above criteria, it was recollected by macrocore at the same location and labeled with a "D", If it was found to still be above criteria, the field team went back to the same location, macrocored deeper and labeled it "D2".

Please do not hesitate to contact me if you have any questions regarding this report.

DuPont In-House Review (DDR)

The DDR is an automated internal review process used by the ADQM group to determine if the data is usable. The data is run through this automated program where a series of checks are performed on the data. The data is evaluated against hold time criteria, checked for blank contamination, assessed against matrix spike(MS)/matrix spike duplicate (MSD) recoveries, assessed against relative percent differences (RPDs) between these samples, assessed against laboratory control sample(LCS)/control sample duplicate (LCSD) recoveries, assessed against RPDs between these samples, assessed against RPDs between laboratory replicates, and assessed against surrogate spike recoveries. The DDR applies the following data qualifiers to analysis results, as warranted:

Qualifier	Definition
B	Not detected substantially above the level reported in the laboratory or field blanks.
R	Unusable result. Analyte may or may not be present in the sample.
J	Analyte present. Reported value may not be accurate or precise.
UJ	Not detected. Reporting limit may not be accurate or precise.

Laboratory Qualifiers

The laboratory may have applied one or more of the following data qualifiers to analysis results, as warranted:

DIL	The concentration is estimated or not reported due to dilution or to the presence of interfering analytes.
NC	The recovery and or RPD were not calculated.
J	Estimated value; result falls between method detection limit (mdl) and practical quantitation limit (pql).
U	Analyte was not detected at the specified reporting limit
B	Analyte concentration is not significantly greater than that detected in an associated method blank.

J	Estimated value; result falls between method detection limit (mdl) and practical quantitation limit (pql).
*	Surrogate recovery is outside stated control limits.
J	Method blank contamination. The associated method blank contains the target analyte at a reportable level.
B	Estimated result. Result is less than reporting limit (RL)
Q	Elevated reporting limit. The reporting limit is elevated because sample dilution was required to bring target compounds within calibration range of the analytical system.
G	Elevated reporting limit. The reporting limit is elevated because sample dilution was required for analysis due to matrix interference.

These lab qualifiers are applied independent of DuPont In-House Data Review (DDR) qualifiers.

**DUPONT POMPTON LAKES WORKS
DELTA UPLANDS 12/14/09**

Pompton Lakes, NJ

February 9, 2010

Prepared for

George Nemeth, URS Diamond

Prepared by

URS
ADQM Group – Dyana C. Sagges
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark, DE 19713

Corporate Environmental Database
DDR Narrative Report

Site: POM - POMPTON LAKES WORKS

Project: DELTA UPLANDS 12/14/09

Reporting Limit: MDL

DDR Standards LABSTATS

2/9/2010 08:56:36

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The reported result is greater than/equal to the MDL and less than the PQL; it should be considered an estimated value.

Sample ID	Date Sampled	Lab ID	Analyte	Result	Units	MDL	PQL	Qual	Analytical Methods		
									Analysis	Preprep-	Prep-
POM-S-536-250(6.0-6.5)	12/16/2009	5867700-HG FS	MERCURY	0.134	MG/K	0.0233	0.203	J	7471A		7471A MOD.
POM-S-536-251(6.0-6.5)	12/17/2009	5869337-HG FS	MERCURY	0.0168	MG/K	0.0130	0.113	J	7471A		7471A MOD.
POM-S-536-253(6.0-6.5)	12/17/2009	5869338-HG FS	MERCURY	0.0830	MG/K	0.0132	0.115	J	7471A		7471A MOD.

**Corporate Environmental Database
Summary of Positive Results
with Laboratory and DDR Qualifiers**

Site: POM - POMPTON LAKES WORKS

2/9/2010 08:59:43

Project: DELTA UPLANDS 12/14/09

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Reporting Limit: MDL

Analyte/Parameter	Result	Qualifiers		Unit	Detection Limit		Analytical Methods		
		LAB	DDR		MDL	PQL	Analysis	Preprep-	Prep-
Sampling Point: 536-238 Date sampled: Dec 15, 2009				Sampleno: POM-S-536-238(3.0-3.5) Sample type: Soil					
LEAD	80.4			MG/KG	0.606	1.52	6010B		3050B
MOISTURE	2.0			%	0.50	0.50	SM 2540 G		
Sampling Point: 536-239 Date sampled: Dec 15, 2009				Sampleno: POM-S-536-239(3.0-3.5) Sample type: Soil					
LEAD	44.8			MG/KG	0.644	1.61	6010B		3050B
MOISTURE	9.5			%	0.50	0.50	SM 2540 G		
Sampling Point: 536-240 Date sampled: Dec 15, 2009				Sampleno: POM-S-536-240(3.0-3.5) Sample type: Soil					
LEAD	20.6			MG/KG	0.617	1.54	6010B		3050B
MOISTURE	5.6			%	0.50	0.50	SM 2540 G		
Sampling Point: 536-241 Date sampled: Dec 15, 2009				Sampleno: POM-S-536-241(3.0-3.5) Sample type: Soil					
LEAD	241			MG/KG	0.639	1.60	6010B		3050B
MOISTURE	7.0			%	0.50	0.50	SM 2540 G		
Sampling Point: 536-242 Date sampled: Dec 15, 2009				Sampleno: POM-S-536-242(1.5-2.0) Sample type: Soil					
LEAD	348			MG/KG	0.627	1.57	6010B		3050B
MOISTURE	7.1			%	0.50	0.50	SM 2540 G		
Sampling Point: 536-243 Date sampled: Dec 16, 2009				Sampleno: POM-S-536-243(1.5-2.0) Sample type: Soil					
LEAD	305			MG/KG	0.758	1.89	6010B		3050B
MOISTURE	20.8			%	0.50	0.50	SM 2540 G		
Sampling Point: 536-244 Date sampled: Dec 16, 2009				Sampleno: POM-S-536-244(1.5-2.0) Sample type: Soil					
LEAD	105			MG/KG	0.696	1.74	6010B		3050B
MOISTURE	16.3			%	0.50	0.50	SM 2540 G		
Sampling Point: 536-245 Date sampled: Dec 16, 2009				Sampleno: POM-S-536-245(1.5-2.0) Sample type: Soil					
LEAD	78.7			MG/KG	0.689	1.72	6010B		3050B
MOISTURE	15.5			%	0.50	0.50	SM 2540 G		
Sampling Point: 536-246 Date sampled: Dec 16, 2009				Sampleno: POM-S-536-246(0.0-0.5) Sample type: Soil					
LEAD	297			MG/KG	0.893	2.23	6010B		3050B

**Corporate Environmental Database
Summary of Positive Results
with Laboratory and DDR Qualifiers**

Site: POM - POMPTON LAKES WORKS

2/9/2010 08:59:43

Project: DELTA UPLANDS 12/14/09

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Reporting Limit: MDL

Analyte/Parameter	Result	Qualifiers		Unit	Detection Limit		Analytical Methods		
		LAB	DDR		MDL	PQL	Analysis	Preprep-	Prep-
Sampling Point: 536-246 Date sampled: Dec 16, 2009		Sampleno:	POM-S-536-246(0.0-0.5)						
		Sample type:	Soil						
MOISTURE	34.1			%	0.50	0.50	SM 2540 G		
Sampling Point: 536-247 Date sampled: Dec 16, 2009		Sampleno:	POM-S-536-247(0.0-0.5)						
		Sample type:	Soil						
LEAD	208			MG/KG	0.843	2.11	6010B		3050B
MOISTURE	30.9			%	0.50	0.50	SM 2540 G		
Sampling Point: 536-248 Date sampled: Dec 16, 2009		Sampleno:	POM-S-536-248(0.0-0.5)						
		Sample type:	Soil						
LEAD	227			MG/KG	0.892	2.23	6010B		3050B
MOISTURE	32.7			%	0.50	0.50	SM 2540 G		
Sampling Point: 536-248 Date sampled: Dec 16, 2009		Sampleno:	POM-S-536-248(0.0-0.5)-DUP						
		Sample type:	Soil						
LEAD	225			MG/KG	0.869	2.17	6010B		3050B
MOISTURE	33.0			%	0.50	0.50	SM 2540 G		
Sampling Point: 536-249 Date sampled: Dec 16, 2009		Sampleno:	POM-S-536-249(0.0-0.5)						
		Sample type:	Soil						
LEAD	257			MG/KG	1.14	2.86	6010B		3050B
MOISTURE	48.0			%	0.50	0.50	SM 2540 G		
Sampling Point: 536-254 Date sampled: Dec 17, 2009		Sampleno:	POM-S-536-254(5.0-5.5)						
		Sample type:	Soil						
LEAD	7.82			MG/KG	0.637	1.59	6010B		3050B
MOISTURE	9.5			%	0.50	0.50	SM 2540 G		
Sampling Point: 536-255 Date sampled: Dec 17, 2009		Sampleno:	POM-S-536-255(5.0-5.5)						
		Sample type:	Soil						
LEAD	4.29			MG/KG	0.659	1.65	6010B		3050B
MOISTURE	10.7			%	0.50	0.50	SM 2540 G		
Sampling Point: 536-257 Date sampled: Dec 17, 2009		Sampleno:	POM-S-536-257(5.0-5.5)						
		Sample type:	Soil						
LEAD	7.77			MG/KG	0.659	1.65	6010B		3050B
MOISTURE	9.9			%	0.50	0.50	SM 2540 G		
Sampling Point: 536-258 Date sampled: Dec 17, 2009		Sampleno:	POM-S-536-258(3.0-3.5)						
		Sample type:	Soil						
LEAD	6.44			MG/KG	0.657	1.64	6010B		3050B
MOISTURE	9.6			%	0.50	0.50	SM 2540 G		

**Corporate Environmental Database
Summary of Positive Results
with Laboratory and DDR Qualifiers**

Site: POM - POMPTON LAKES WORKS

2/9/2010 08:59:43

Project: DELTA UPLANDS 12/14/09

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Reporting Limit: MDL

Analyte/Parameter	Result	Qualifiers		Unit	Detection Limit		Analytical Methods		
		LAB	DDR		MDL	PQL	Analysis	Preprep-	Prep-
Sampling Point: 536-259 Date sampled: Dec 17, 2009				Sample no: POM-S-536-259(3.0-3.5) Sample type: Soil					
LEAD	38.4			MG/KG	0.635	1.59	6010B		3050B
MOISTURE	6.4			%	0.50	0.50	SM 2540 G		
Sampling Point: 536-260 Date sampled: Dec 18, 2009				Sample no: POM-S-536-260(3.0-3.5) Sample type: Soil					
LEAD	11.9			MG/KG	0.666	1.66	6010B		3050B
MOISTURE	9.9			%	0.50	0.50	SM 2540 G		
Sampling Point: 536-261 Date sampled: Dec 18, 2009				Sample no: POM-S-536-261(3.0-3.5) Sample type: Soil					
LEAD	9.18			MG/KG	0.658	1.65	6010B		3050B
MOISTURE	11.5			%	0.50	0.50	SM 2540 G		
Sampling Point: 536-26D Date sampled: Dec 16, 2009				Sample no: POM-S-536-26D(3.0-3.5) Sample type: Soil					
LEAD	102			MG/KG	0.659	1.65	6010B		3050B
MOISTURE	10.7			%	0.50	0.50	SM 2540 G		
Sampling Point: 536-301 Date sampled: Dec 15, 2009				Sample no: POM-S-536-301(0.0-0.5) Sample type: Soil					
LEAD	145			MG/KG	0.694	1.74	6010B		3050B
MOISTURE	16.1			%	0.50	0.50	SM 2540 G		
Sampling Point: 536-310 Date sampled: Dec 16, 2009				Sample no: POM-S-536-310(3.0-3.5) Sample type: Soil					
LEAD	199			MG/KG	0.650	1.62	6010B		3050B
MOISTURE	11.2			%	0.50	0.50	SM 2540 G		
Sampling Point: 536-310 Date sampled: Dec 16, 2009				Sample no: POM-S-536-310(6.0-6.5) Sample type: Soil					
MERCURY	0.174			MG/KG	0.0159	0.139	7471A		7471A MOD.
MOISTURE	30.7			%	0.50	0.50	SM 2540 G		
Sampling Point: 536-314 Date sampled: Dec 16, 2009				Sample no: POM-S-536-314(2.0-2.5) Sample type: Soil					
LEAD	174			MG/KG	0.668	1.67	6010B		3050B
MOISTURE	10.2			%	0.50	0.50	SM 2540 G		
Sampling Point: 536-314 Date sampled: Dec 16, 2009				Sample no: POM-S-536-314(4.0-4.5) Sample type: Soil					
MERCURY	7.65			MG/KG	0.245	2.14	7471A		7471A MOD.
MOISTURE	9.2			%	0.50	0.50	SM 2540 G		

**Corporate Environmental Database
Summary of Positive Results
with Laboratory and DDR Qualifiers**

Site: POM - POMPTON LAKES WORKS

2/9/2010 08:59:43

Project: DELTA UPLANDS 12/14/09

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Reporting Limit: MDL

Analyte/Parameter	Result	Qualifiers		Unit	Detection Limit		Analytical Methods		
		LAB	DDR		MDL	PQL	Analysis	Preprep-	Prep-
Sampling Point: 536-315 Date sampled: Dec 14, 2009		Sampleno:	POM-S-536-315(1.0-1.5)						
		Sample type:	Soil						
LEAD	478			MG/KG	0.818	2.05	6010B		3050B
MOISTURE	28.1			%	0.50	0.50	SM 2540 G		
Sampling Point: 536-315 Date sampled: Dec 14, 2009		Sampleno:	POM-S-536-315(7.0-7.5)						
		Sample type:	Soil						
MERCURY	1.74			MG/KG	0.0389	0.338	7471A		7471A MOD.
MOISTURE	70.9			%	0.50	0.50	SM 2540 G		
Sampling Point: 536-31D Date sampled: Dec 15, 2009		Sampleno:	POM-S-536-31D(2.0-2.5)						
		Sample type:	Soil						
LEAD	391			MG/KG	0.699	1.75	6010B		3050B
MOISTURE	15.8			%	0.50	0.50	SM 2540 G		
Sampling Point: 536-325 Date sampled: Dec 18, 2009		Sampleno:	POM-S-536-325(0.0-0.5)						
		Sample type:	Soil						
MERCURY	10.2			MG/KG	0.291	2.54	7471A		7471A MOD.
MOISTURE	24.9			%	0.50	0.50	SM 2540 G		
Sampling Point: 536-325 Date sampled: Dec 18, 2009		Sampleno:	POM-S-536-325(0.0-0.5)-DUP						
		Sample type:	Soil						
MERCURY	15.3			MG/KG	0.361	3.14	7471A		7471A MOD.
MOISTURE	21.7			%	0.50	0.50	SM 2540 G		
Sampling Point: 536-326 Date sampled: Dec 18, 2009		Sampleno:	POM-S-536-326(0.0-0.5)						
		Sample type:	Soil						
LEAD	303			MG/KG	0.912	2.28	6010B		3050B
MOISTURE	34.2			%	0.50	0.50	SM 2540 G		
Sampling Point: 536-329 Date sampled: Dec 18, 2009		Sampleno:	POM-S-536-329(0.0-0.5)						
		Sample type:	Soil						
MERCURY	29.3			MG/KG	1.05	9.11	7471A		7471A MOD.
MOISTURE	78.5			%	0.50	0.50	SM 2540 G		
Sampling Point: 536-329 Date sampled: Dec 18, 2009		Sampleno:	POM-S-536-329(2.0-2.5)						
		Sample type:	Soil						
LEAD	922			MG/KG	0.999	2.50	6010B		3050B
MOISTURE	41.7			%	0.50	0.50	SM 2540 G		
Sampling Point: 536-329 Date sampled: Dec 18, 2009		Sampleno:	POM-S-536-329(3.0-3.5)						
		Sample type:	Soil						
MERCURY	0.518			MG/KG	0.0138	0.120	7471A		7471A MOD.
MOISTURE	17.0			%	0.50	0.50	SM 2540 G		

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Analyte/Parameter	Result	Qualifiers		Unit	Detection Limit		Analytical Methods		
		LAB	DDR		MDL	PQL	Analysis	Preprep-	Prep-
Sampling Point: 536-330 Date sampled: Dec 17, 2009				Sample no: POM-S-536-330(0.0-0.5) Sample type: Soil					
MERCURY MOISTURE	43.1 84.3			MG/KG %	1.41 0.50	12.3 0.50	7471A SM 2540 G		7471A MOD.
Sampling Point: 536-330 Date sampled: Dec 17, 2009				Sample no: POM-S-536-330(2.0-2.5) Sample type: Soil					
LEAD MOISTURE	386 43.0			MG/KG %	1.05 0.50	2.63 0.50	6010B SM 2540 G		3050B
Sampling Point: 536-330 Date sampled: Dec 17, 2009				Sample no: POM-S-536-330(2.0-2.5)-DUP Sample type: Soil					
LEAD MOISTURE	346 42.4			MG/KG %	1.03 0.50	2.58 0.50	6010B SM 2540 G		3050B
Sampling Point: 536-33D Date sampled: Dec 14, 2009				Sample no: POM-S-536-33D(1.0-1.5) Sample type: Soil					
LEAD MOISTURE	394 16.2			MG/KG %	0.688 0.50	1.72 0.50	6010B SM 2540 G		3050B
Sampling Point: 536-33D Date sampled: Dec 14, 2009				Sample no: POM-S-536-33D(2.0-2.5) Sample type: Soil					
MERCURY MOISTURE	12.3 8.9			MG/KG %	0.240 0.50	2.09 0.50	7471A SM 2540 G		7471A MOD.
Sampling Point: 536-34D Date sampled: Dec 15, 2009				Sample no: POM-S-536-34D(5.0-5.5) Sample type: Soil					
LEAD MOISTURE	181 75.5			MG/KG %	2.40 0.50	6.00 0.50	6010B SM 2540 G		3050B
Sampling Point: 536-58D Date sampled: Dec 16, 2009				Sample no: POM-S-536-58D(3.5-4.0) Sample type: Soil					
LEAD MOISTURE	7.01 10			MG/KG %	0.660 0.50	1.65 0.50	6010B SM 2540 G		3050B
Sampling Point: 536-80D Date sampled: Dec 16, 2009				Sample no: POM-S-536-80D(1.0-1.5) Sample type: Soil					
LEAD MOISTURE	328 18.5			MG/KG %	0.736 0.50	1.84 0.50	6010B SM 2540 G		3050B
Sampling Point: 536-250 Date sampled: Dec 16, 2009				Sample no: POM-S-536-250(6.0-6.5) Sample type: Soil					
LEAD MERCURY MOISTURE	4.68 0.134 52.3	J	J	MG/KG MG/KG %	1.23 0.0233 0.50	3.08 0.203 0.50	6010B 7471A SM 2540 G		3050B 7471A MOD.

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		LAB	DDR		MDL	PQL	Analysis	Preprep-	Prep-
Sampling Point: 536-251				Sample no:	POM-S-536-251(6.0-6.5)				
Date sampled: Dec 17, 2009				Sample type:	Soil				
LEAD	5.86			MG/KG	0.664	1.66	6010B		3050B
MERCURY	0.0168	J	J	MG/KG	0.0130	0.113	7471A		7471A MOD.
MOISTURE	12.3			%	0.50	0.50	SM 2540 G		
Sampling Point: 536-253				Sample no:	POM-S-536-253(6.0-6.5)				
Date sampled: Dec 17, 2009				Sample type:	Soil				
LEAD	4.95			MG/KG	0.681	1.70	6010B		3050B
MERCURY	0.0830	J	J	MG/KG	0.0132	0.115	7471A		7471A MOD.
MOISTURE	13.6			%	0.50	0.50	SM 2540 G		
Sampling Point: 536-283				Sample no:	POM-S-536-283(0.0-0.5)				
Date sampled: Dec 14, 2009				Sample type:	Soil				
LEAD	311			MG/KG	2.14	5.36	6010B		3050B
MERCURY	25.9			MG/KG	0.810	7.05	7471A		7471A MOD.
MOISTURE	72.3			%	0.50	0.50	SM 2540 G		
Sampling Point: 536-313				Sample no:	POM-S-536-313(6.0-6.5)				
Date sampled: Dec 14, 2009				Sample type:	Soil				
LEAD	245			MG/KG	1.87	4.67	6010B		3050B
MERCURY	61.1			MG/KG	1.69	14.7	7471A		7471A MOD.
MOISTURE	68.2			%	0.50	0.50	SM 2540 G		

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Location: 536-314

Field Sample ID: POM-S-536-314(2.0-2.5)

Date Sampled: 12/16/2009 11:00:00

Sample Type: Soil

Lab Sample ID: 5867692-MOIST FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MOISTURE	10.2			%	1	0.50	0.50	12/21/09	SM 2540 G		
LEAD	174			MG/KG	1	1.67	0.668	12/26/09	6010B	3050B	

Location: 536-314

Field Sample ID: POM-S-536-314(4.0-4.5)

Date Sampled: 12/16/2009 11:05:00

Sample Type: Soil

Lab Sample ID: 5867693-HG FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MERCURY	7.65			MG/KG	20	2.14	0.245	12/22/09	7471A	7471A MOD.	
MOISTURE	9.2			%	1	0.50	0.50	12/21/09	SM 2540 G		

Location: 536-243

Field Sample ID: POM-S-536-243(1.5-2.0)

Date Sampled: 12/16/2009 11:30:00

Sample Type: Soil

Lab Sample ID: 5867694-MOIST FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MOISTURE	20.8			%	1	0.50	0.50	12/21/09	SM 2540 G		
LEAD	305			MG/KG	1	1.89	0.758	12/26/09	6010B	3050B	

Location: 536-244

Field Sample ID: POM-S-536-244(1.5-2.0)

Date Sampled: 12/16/2009 11:55:00

Sample Type: Soil

Lab Sample ID: 5867695-MOIST FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MOISTURE	16.3			%	1	0.50	0.50	12/21/09	SM 2540 G		
LEAD	105			MG/KG	1	1.74	0.696	12/26/09	6010B	3050B	

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Reporting Limit: MDL

Location: 536-245

Field Sample ID: POM-S-536-245(1.5-2.0)

Date Sampled: 12/16/2009 12:00:00

Sample Type: Soil

Lab Sample ID: 5867696-MOIST FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MOISTURE	15.5			%	1	0.50	0.50	12/21/09	SM 2540 G		
LEAD	78.7			MG/KG	1	1.72	0.689	12/26/09	6010B	3050B	

Location: 536-26D

Field Sample ID: POM-S-536-26D(3.0-3.5)

Date Sampled: 12/16/2009 14:25:00

Sample Type: Soil

Lab Sample ID: 5867697-MOIST FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MOISTURE	10.7			%	1	0.50	0.50	12/21/09	SM 2540 G		
LEAD	102			MG/KG	1	1.65	0.659	12/26/09	6010B	3050B	

Location: 536-80D

Field Sample ID: POM-S-536-80D(1.0-1.5)

Date Sampled: 12/16/2009 15:10:00

Sample Type: Soil

Lab Sample ID: 5867698-MOIST FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MOISTURE	18.5			%	1	0.50	0.50	12/21/09	SM 2540 G		
LEAD	328			MG/KG	1	1.84	0.736	12/26/09	6010B	3050B	

Location: 536-58D

Field Sample ID: POM-S-536-58D(3.5-4.0)

Date Sampled: 12/16/2009 15:15:00

Sample Type: Soil

Lab Sample ID: 5867699-MOIST FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MOISTURE	10			%	1	0.50	0.50	12/21/09	SM 2540 G		
LEAD	7.01			MG/KG	1	1.65	0.660	12/26/09	6010B	3050B	

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Location: 536-250

Field Sample ID: POM-S-536-250(6.0-6.5)

Date Sampled: 12/16/2009 15:50:00

Sample Type: Soil

Lab Sample ID: 5867700-HG FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MERCURY	0.134	J	J	MG/KG	1	0.203	0.0233	12/22/09	7471A		7471A MOD.
MOISTURE	52.3			%	1	0.50	0.50	12/21/09	SM 2540 G		
LEAD	4.68			MG/KG	1	3.08	1.23	12/26/09	6010B		3050B

Location: 536-258

Field Sample ID: POM-S-536-258(3.0-3.5)

Date Sampled: 12/17/2009 14:00:00

Sample Type: Soil

Lab Sample ID: 5869358-MOIST FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MOISTURE	9.6			%	1	0.50	0.50	12/22/09	SM 2540 G		
LEAD	6.44			MG/KG	1	1.64	0.657	12/22/09	6010B		3050B

Location: 536-EQBLK9

Field Sample ID: POM-K-536-EQBLK9

Date Sampled: 12/14/2009 16:15:00

Sample Type: Blank Water

Lab Sample ID: 5867689-HG EB

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MERCURY	< 0.000056	U		MG/L	1	0.00020	0.000056	12/23/09	7470A		METHOD
LEAD	< 0.0069	U		MG/L	1	0.0150	0.0069	12/27/09	6010B		3010A

Location: 536-EQBLK10

Field Sample ID: POM-K-536-EQBLK10

Date Sampled: 12/15/2009 15:15:00

Sample Type: Blank Water

Lab Sample ID: 5867690-PB EB

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
LEAD	< 0.0069	U		MG/L	1	0.0150	0.0069	12/27/09	6010B		3010A
SELENIUM	< 0.0089	U		MG/L	1	0.0200	0.0089	12/27/09	6010B		3010A

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Location: 536-EQBLK11

Field Sample ID: POM-K-536-EQBLK11

Date Sampled: 12/16/2009 15:20:00

Sample Type: Blank Water

Lab Sample ID: 5867691-HG EB

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MERCURY	< 0.000056	U		MG/L	1	0.00020	0.000056	12/23/09	7470A	METHOD	
LEAD	< 0.0069	U		MG/L	1	0.0150	0.0069	12/27/09	6010B	3010A	

Location: 536-33D

Field Sample ID: POM-S-536-33D(1.0-1.5)

Date Sampled: 12/14/2009 11:05:00

Sample Type: Soil

Lab Sample ID: 5867665-MOIST FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MOISTURE	16.2			%	1	0.50	0.50	12/22/09	SM 2540 G		
LEAD	394			MG/KG	1	1.72	0.688	12/29/09	6010B	3050B	

Location: 536-33D

Field Sample ID: POM-S-536-33D(2.0-2.5)

Date Sampled: 12/14/2009 11:10:00

Sample Type: Soil

Lab Sample ID: 5867666-HG FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MERCURY	12.3			MG/KG	20	2.09	0.240	12/22/09	7471A	7471A MOD.	
MOISTURE	8.9			%	1	0.50	0.50	12/22/09	SM 2540 G		

Location: 536-315

Field Sample ID: POM-S-536-315(1.0-1.5)

Date Sampled: 12/14/2009 12:20:00

Sample Type: Soil

Lab Sample ID: 5867667-MOIST FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MOISTURE	28.1			%	1	0.50	0.50	12/22/09	SM 2540 G		
LEAD	478			MG/KG	1	2.05	0.818	12/29/09	6010B	3050B	

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Location: 536-315

Field Sample ID: POM-S-536-315(7.0-7.5)

Date Sampled: 12/14/2009 12:30:00

Sample Type: Soil

Lab Sample ID: 5867668-HG FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MERCURY	1.74			MG/KG	1	0.338	0.0389	12/22/09	7471A		7471A MOD.
MOISTURE	70.9			%	1	0.50	0.50	12/22/09	SM 2540 G		

Location: 536-313

Field Sample ID: POM-S-536-313(6.0-6.5)

Date Sampled: 12/14/2009 16:10:00

Sample Type: Soil

Lab Sample ID: 5867669-HG FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MERCURY	61.1			MG/KG	50	14.7	1.69	12/22/09	7471A		7471A MOD.
MOISTURE	68.2			%	1	0.50	0.50	12/22/09	SM 2540 G		
LEAD	245			MG/KG	1	4.67	1.87	12/29/09	6010B		3050B

Location: 536-283

Field Sample ID: POM-S-536-283(0.0-0.5)

Date Sampled: 12/14/2009 16:34:00

Sample Type: Soil

Lab Sample ID: 5867670-HG FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MERCURY	25.9			MG/KG	20	7.05	0.810	12/22/09	7471A		7471A MOD.
MOISTURE	72.3			%	1	0.50	0.50	12/22/09	SM 2540 G		
LEAD	311			MG/KG	1	5.36	2.14	12/29/09	6010B		3050B

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Location: 536-301

Field Sample ID: POM-S-536-301(0.0-0.5)

Date Sampled: 12/15/2009 10:20:00

Sample Type: Soil

Lab Sample ID: 5867671-MOIST FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MOISTURE	16.1			%	1	0.50	0.50	12/22/09	SM 2540 G		
LEAD	145			MG/KG	1	1.74	0.694	12/29/09	6010B	3050B	
SELENIUM	< 1.13	U		MG/KG	1	2.31	1.13	12/29/09	6010B	3050B	

Location: 536-34D

Field Sample ID: POM-S-536-34D(5.0-5.5)

Date Sampled: 12/15/2009 11:20:00

Sample Type: Soil

Lab Sample ID: 5867672-MOIST FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MOISTURE	75.5			%	1	0.50	0.50	12/22/09	SM 2540 G		
LEAD	181			MG/KG	1	6.00	2.40	12/29/09	6010B	3050B	

Location: 536-31D

Field Sample ID: POM-S-536-31D(2.0-2.5)

Date Sampled: 12/15/2009 11:45:00

Sample Type: Soil

Lab Sample ID: 5867673-MOIST FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MOISTURE	15.8			%	1	0.50	0.50	12/22/09	SM 2540 G		
LEAD	391			MG/KG	1	1.75	0.699	12/29/09	6010B	3050B	

Location: 536-238

Field Sample ID: POM-S-536-238(3.0-3.5)

Date Sampled: 12/15/2009 13:30:00

Sample Type: Soil

Lab Sample ID: 5867674-MOIST FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MOISTURE	2.0			%	1	0.50	0.50	12/22/09	SM 2540 G		
LEAD	80.4			MG/KG	1	1.52	0.606	12/29/09	6010B	3050B	

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Location: 536-239

Field Sample ID: POM-S-536-239(3.0-3.5)

Date Sampled: 12/15/2009 14:00:00

Sample Type: Soil

Lab Sample ID: 5867675-MOIST FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MOISTURE	9.5			%	1	0.50	0.50	12/22/09	SM 2540 G		
LEAD	44.8			MG/KG	1	1.61	0.644	12/29/09	6010B	3050B	

Location: 536-240

Field Sample ID: POM-S-536-240(3.0-3.5)

Date Sampled: 12/15/2009 14:20:00

Sample Type: Soil

Lab Sample ID: 5867676-MOIST FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MOISTURE	5.6			%	1	0.50	0.50	12/22/09	SM 2540 G		
LEAD	20.6			MG/KG	1	1.54	0.617	12/29/09	6010B	3050B	

Location: 536-241

Field Sample ID: POM-S-536-241(3.0-3.5)

Date Sampled: 12/15/2009 14:55:00

Sample Type: Soil

Lab Sample ID: 5867677-MOIST FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MOISTURE	7.0			%	1	0.50	0.50	12/22/09	SM 2540 G		
LEAD	241			MG/KG	1	1.60	0.639	12/29/09	6010B	3050B	

Location: 536-242

Field Sample ID: POM-S-536-242(1.5-2.0)

Date Sampled: 12/15/2009 15:10:00

Sample Type: Soil

Lab Sample ID: 5867678-MOIST FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MOISTURE	7.1			%	1	0.50	0.50	12/22/09	SM 2540 G		
LEAD	348			MG/KG	1	1.57	0.627	12/29/09	6010B	3050B	

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Location: 536-247

Field Sample ID: POM-S-536-247(0.0-0.5)

Date Sampled: 12/16/2009 09:05:00

Sample Type: Soil

Lab Sample ID: 5867679-MOIST FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MOISTURE	30.9			%	1	0.50	0.50	12/22/09	SM 2540 G		
LEAD	208			MG/KG	1	2.11	0.843	12/29/09	6010B	3050B	

Location: 536-246

Field Sample ID: POM-S-536-246(0.0-0.5)

Date Sampled: 12/16/2009 09:00:00

Sample Type: Soil

Lab Sample ID: 5867680-MOIST FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MOISTURE	34.1			%	1	0.50	0.50	12/22/09	SM 2540 G		
LEAD	297			MG/KG	1	2.23	0.893	12/29/09	6010B	3050B	

Location: 536-248

Field Sample ID: POM-S-536-248(0.0-0.5)

Date Sampled: 12/16/2009 09:10:00

Sample Type: Soil

Lab Sample ID: 5867681-MOIST FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MOISTURE	32.7			%	1	0.50	0.50	12/22/09	SM 2540 G		
LEAD	227			MG/KG	1	2.23	0.892	12/29/09	6010B	3050B	

Location: 536-248

Field Sample ID: POM-S-536-248(0.0-0.5)-DUP

Date Sampled: 12/16/2009 09:10:00

Sample Type: Soil

Lab Sample ID: 5867685-MOIST FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MOISTURE	33.0			%	1	0.50	0.50	12/22/09	SM 2540 G		
LEAD	225			MG/KG	1	2.17	0.869	12/29/09	6010B	3050B	

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Location: 536-249

Field Sample ID: POM-S-536-249(0.0-0.5)

Date Sampled: 12/16/2009 09:15:00

Sample Type: Soil

Lab Sample ID: 5867686-MOIST FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MOISTURE	48.0			%	1	0.50	0.50	12/22/09	SM 2540 G		
LEAD	257			MG/KG	1	2.86	1.14	12/29/09	6010B	3050B	

Location: 536-310

Field Sample ID: POM-S-536-310(3.0-3.5)

Date Sampled: 12/16/2009 10:00:00

Sample Type: Soil

Lab Sample ID: 5867687-MOIST FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MOISTURE	11.2			%	1	0.50	0.50	12/22/09	SM 2540 G		
LEAD	199			MG/KG	1	1.62	0.650	12/29/09	6010B	3050B	

Location: 536-310

Field Sample ID: POM-S-536-310(6.0-6.5)

Date Sampled: 12/16/2009 10:10:00

Sample Type: Soil

Lab Sample ID: 5867688-HG FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MERCURY	0.174			MG/KG	1	0.139	0.0159	12/22/09	7471A	7471A MOD.	
MOISTURE	30.7			%	1	0.50	0.50	12/22/09	SM 2540 G		

Location: 536-EQBLK12

Field Sample ID: POM-K-536-EQBLK12

Date Sampled: 12/17/2009 15:30:00

Sample Type: Blank Water

Lab Sample ID: 5869356-HG EB

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MERCURY	< 0.000056	U		MG/L	1	0.00020	0.000056	12/30/09	7470A	METHOD	
LEAD	< 0.0069	U		MG/L	1	0.0150	0.0069	12/31/09	6010B	3010A	

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Location: 536-EQBLK13

Field Sample ID: POM-K-536-EQBLK13

Date Sampled: 12/18/2009 11:36:00

Sample Type: Blank Water

Lab Sample ID: 5869357-HG EB

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MERCURY	< 0.000056	U		MG/L	1	0.00020	0.000056	12/30/09	7470A	METHOD	
LEAD	< 0.0069	U		MG/L	1	0.0150	0.0069	12/31/09	6010B	3010A	

Location: 536-251

Field Sample ID: POM-S-536-251(6.0-6.5)

Date Sampled: 12/17/2009 10:10:00

Sample Type: Soil

Lab Sample ID: 5869337-HG FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MERCURY	0.0168	J	J	MG/KG	1	0.113	0.0130	12/31/09	7471A	7471A MOD.	
MOISTURE	12.3			%	1	0.50	0.50	12/22/09	SM 2540 G		
LEAD	5.86			MG/KG	1	1.66	0.664	12/31/09	6010B	3050B	

Location: 536-253

Field Sample ID: POM-S-536-253(6.0-6.5)

Date Sampled: 12/17/2009 10:35:00

Sample Type: Soil

Lab Sample ID: 5869338-HG FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MERCURY	0.0830	J	J	MG/KG	1	0.115	0.0132	12/31/09	7471A	7471A MOD.	
MOISTURE	13.6			%	1	0.50	0.50	12/22/09	SM 2540 G		
LEAD	4.95			MG/KG	1	1.70	0.681	12/31/09	6010B	3050B	

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Location: 536-254

Field Sample ID: POM-S-536-254(5.0-5.5)

Date Sampled: 12/17/2009 11:00:00

Sample Type: Soil

Lab Sample ID: 5869339-MOIST FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MOISTURE	9.5			%	1	0.50	0.50	12/22/09	SM 2540 G		
LEAD	7.82			MG/KG	1	1.59	0.637	12/31/09	6010B	3050B	

Location: 536-255

Field Sample ID: POM-S-536-255(5.0-5.5)

Date Sampled: 12/17/2009 11:22:00

Sample Type: Soil

Lab Sample ID: 5869340-MOIST FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MOISTURE	10.7			%	1	0.50	0.50	12/22/09	SM 2540 G		
LEAD	4.29			MG/KG	1	1.65	0.659	12/31/09	6010B	3050B	

Location: 536-257

Field Sample ID: POM-S-536-257(5.0-5.5)

Date Sampled: 12/17/2009 11:44:00

Sample Type: Soil

Lab Sample ID: 5869341-MOIST FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MOISTURE	9.9			%	1	0.50	0.50	12/22/09	SM 2540 G		
LEAD	7.77			MG/KG	1	1.65	0.659	12/31/09	6010B	3050B	

Location: 536-259

Field Sample ID: POM-S-536-259(3.0-3.5)

Date Sampled: 12/17/2009 14:30:00

Sample Type: Soil

Lab Sample ID: 5869342-MOIST FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MOISTURE	6.4			%	1	0.50	0.50	12/22/09	SM 2540 G		
LEAD	38.4			MG/KG	1	1.59	0.635	12/31/09	6010B	3050B	

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Location: 536-330

Field Sample ID: POM-S-536-330(0.0-0.5)

Date Sampled: 12/17/2009 15:33:00

Sample Type: Soil

Lab Sample ID: 5869343-HG FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MERCURY	43.1			MG/KG	20	12.3	1.41	01/04/10	7471A		7471A MOD.
MOISTURE	84.3			%	1	0.50	0.50	12/22/09	SM 2540 G		

Location: 536-330

Field Sample ID: POM-S-536-330(2.0-2.5)

Date Sampled: 12/17/2009 15:50:00

Sample Type: Soil

Lab Sample ID: 5869344-MOIST FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MOISTURE	43.0			%	1	0.50	0.50	12/22/09	SM 2540 G		
LEAD	386			MG/KG	1	2.63	1.05	12/31/09	6010B		3050B

Location: 536-330

Field Sample ID: POM-S-536-330(2.0-2.5)-DUP

Date Sampled: 12/17/2009 15:50:00

Sample Type: Soil

Lab Sample ID: 5869348-MOIST FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MOISTURE	42.4			%	1	0.50	0.50	12/22/09	SM 2540 G		
LEAD	346			MG/KG	1	2.58	1.03	12/31/09	6010B		3050B

Location: 536-261

Field Sample ID: POM-S-536-261(3.0-3.5)

Date Sampled: 12/18/2009 09:03:00

Sample Type: Soil

Lab Sample ID: 5869349-MOIST FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MOISTURE	11.5			%	1	0.50	0.50	12/22/09	SM 2540 G		
LEAD	9.18			MG/KG	1	1.65	0.658	12/31/09	6010B		3050B

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Location: 536-260

Field Sample ID: POM-S-536-260(3.0-3.5)

Date Sampled: 12/18/2009 09:27:00

Sample Type: Soil

Lab Sample ID: 5869350-MOIST FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MOISTURE	9.9			%	1	0.50	0.50	12/22/09	SM 2540 G		
LEAD	11.9			MG/KG	1	1.66	0.666	12/31/09	6010B	3050B	

Location: 536-329

Field Sample ID: POM-S-536-329(0.0-0.5)

Date Sampled: 12/18/2009 10:10:00

Sample Type: Soil

Lab Sample ID: 5869351-HG FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MERCURY	29.3			MG/KG	20	9.11	1.05	01/04/10	7471A	7471A MOD.	
MOISTURE	78.5			%	1	0.50	0.50	12/22/09	SM 2540 G		

Location: 536-329

Field Sample ID: POM-S-536-329(2.0-2.5)

Date Sampled: 12/18/2009 10:13:00

Sample Type: Soil

Lab Sample ID: 5869352-MOIST FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MOISTURE	41.7			%	1	0.50	0.50	12/22/09	SM 2540 G		
LEAD	922			MG/KG	1	2.50	0.999	12/31/09	6010B	3050B	

Location: 536-329

Field Sample ID: POM-S-536-329(3.0-3.5)

Date Sampled: 12/18/2009 10:15:00

Sample Type: Soil

Lab Sample ID: 5869353-HG FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MERCURY	0.518			MG/KG	1	0.120	0.0138	01/04/10	7471A	7471A MOD.	
MOISTURE	17.0			%	1	0.50	0.50	12/22/09	SM 2540 G		

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Location: 536-326

Field Sample ID: POM-S-536-326(0.0-0.5)

Date Sampled: 12/18/2009 10:30:00

Sample Type: Soil

Lab Sample ID: 5869354-MOIST FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MOISTURE	34.2			%	1	0.50	0.50	12/22/09	SM 2540 G		
LEAD	303			MG/KG	1	2.28	0.912	12/31/09	6010B	3050B	

Location: 536-325

Field Sample ID: POM-S-536-325(0.0-0.5)

Date Sampled: 12/18/2009 11:39:00

Sample Type: Soil

Lab Sample ID: 5869359-HG FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MERCURY	10.2			MG/KG	20	2.54	0.291	01/04/10	7471A	7471A MOD.	
MOISTURE	24.9			%	1	0.50	0.50	12/22/09	SM 2540 G		

Location: 536-325

Field Sample ID: POM-S-536-325(0.0-0.5)-DUP

Date Sampled: 12/18/2009 11:39:00

Sample Type: Soil

Lab Sample ID: 5869363-HG FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MERCURY	15.3			MG/KG	25	3.14	0.361	01/04/10	7471A	7471A MOD.	
MOISTURE	21.7			%	1	0.50	0.50	12/22/09	SM 2540 G		

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Batch Identifier 262300 SM 2540 G 22-DEC-09 09356820003A 9001

Method Number: SM 2540 G Prep Method: Pre-prep:
Batch Start Date: 12/22/2009 Intrument: 9001

Analyte/Parameter	Result	Unit	MDL	PQL	RPR	RPR Limits		RPD	
						Min	Max	RPD	Max
Sample Type LCS	Lab Sample ID: LC35613Q-MOIST LCS			Lab: LANCAS					
MOISTURE	89.4	%	0.50	0.50	100	99	101		
Sample Type REP	Lab Sample ID: 5867668-MOIST REP			Lab: LANCAS					
MOISTURE	71.0	%	0.50	0.50				0	15

The following field samples are included in this batch:

Sampleno	Datesmpl	Lab Id	Lab
POM-S-536-238(3.0-3.5)	12/15/2009	5867674-MOIST FS	LANCAS
POM-S-536-283(0.0-0.5)	12/14/2009	5867670-MOIST FS	LANCAS
POM-S-536-301(0.0-0.5)	12/15/2009	5867671-MOIST FS	LANCAS
POM-S-536-313(6.0-6.5)	12/14/2009	5867669-MOIST FS	LANCAS
POM-S-536-315(1.0-1.5)	12/14/2009	5867667-MOIST FS	LANCAS
POM-S-536-315(7.0-7.5)	12/14/2009	5867668-MOIST FS	LANCAS
POM-S-536-31D(2.0-2.5)	12/15/2009	5867673-MOIST FS	LANCAS
POM-S-536-33D(1.0-1.5)	12/14/2009	5867665-MOIST FS	LANCAS
POM-S-536-33D(2.0-2.5)	12/14/2009	5867666-MOIST FS	LANCAS
POM-S-536-34D(5.0-5.5)	12/15/2009	5867672-MOIST FS	LANCAS

Batch Identifier 260425 SM 2540 G 21-DEC-09 09355820005A 9001

Method Number: SM 2540 G Prep Method: Pre-prep:
Batch Start Date: 12/21/2009 Intrument: 9001

Analyte/Parameter	Result	Unit	MDL	PQL	RPR	RPR Limits		RPD	
						Min	Max	RPD	Max
Sample Type LCS	Lab Sample ID: LC35515Q-MOIST LCS			Lab: LANCAS					
MOISTURE	89.5	%	0.50	0.50	100	99	101		
Sample Type REP	Lab Sample ID: 5867695-MOIST REP			Lab: LANCAS					
MOISTURE	14.7	%	0.50	0.50				11	15

The following field samples are included in this batch:

Sampleno	Datesmpl	Lab Id	Lab
POM-S-536-243(1.5-2.0)	12/16/2009	5867694-MOIST FS	LANCAS
POM-S-536-244(1.5-2.0)	12/16/2009	5867695-MOIST FS	LANCAS
POM-S-536-245(1.5-2.0)	12/16/2009	5867696-MOIST FS	LANCAS
POM-S-536-26D(3.0-3.5)	12/16/2009	5867697-MOIST FS	LANCAS
POM-S-536-314(2.0-2.5)	12/16/2009	5867692-MOIST FS	LANCAS
POM-S-536-314(4.0-4.5)	12/16/2009	5867693-MOIST FS	LANCAS
POM-S-536-58D(3.5-4.0)	12/16/2009	5867699-MOIST FS	LANCAS
POM-S-536-80D(1.0-1.5)	12/16/2009	5867698-MOIST FS	LANCAS

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Batch Identifier 260426 3050B 6010B 20-DEC-09 093525708011 06383

Method Number: 6010B Prep Method: 3050B Pre-prep:
Batch Start Date: 12/20/2009 Intrument: 06383

Analyte/Parameter	Result	Unit	MDL	PQL	RPR	RPR Limits		RPD	RPD Max
						Min	Max		
Sample Type LCS	Lab Sample ID: P35208KQQ-PB LCS			Lab: LANCAS					
LEAD	80.3	MG/KG	0.600	1.50	112	85	114		
Sample Type MB	Lab Sample ID: P35208KBB-PB MB			Lab: LANCAS					
LEAD	< 0.600	MG/KG	0.600	1.50					
Sample Type MS	Lab Sample ID: 5867692-PB MS			Lab: LANCAS					
LEAD	160	MG/KG	0.600	1.50	NC	75	125	NC	
Sample Type MSD	Lab Sample ID: 5867692-PB MSD			Lab: LANCAS					
LEAD	146	MG/KG	0.600	1.50	NC	75	125	NC	20
Sample Type REP	Lab Sample ID: 5867692-PB REP			Lab: LANCAS					
LEAD	157	MG/KG	0.600	1.50				0	20

The following field samples are included in this batch:

Sampleno	Datesmpl	Lab Id	Lab
POM-S-536-243(1.5-2.0)	12/16/2009	5867694-PB FS	LANCAS
POM-S-536-244(1.5-2.0)	12/16/2009	5867695-PB FS	LANCAS
POM-S-536-245(1.5-2.0)	12/16/2009	5867696-PB FS	LANCAS
POM-S-536-250(6.0-6.5)	12/16/2009	5867700-PB FS	LANCAS
POM-S-536-26D(3.0-3.5)	12/16/2009	5867697-PB FS	LANCAS
POM-S-536-314(2.0-2.5)	12/16/2009	5867692-PB FS	LANCAS
POM-S-536-58D(3.5-4.0)	12/16/2009	5867699-PB FS	LANCAS
POM-S-536-80D(1.0-1.5)	12/16/2009	5867698-PB FS	LANCAS

Batch Identifier 260427 7471A MOD. 7471A 20-DEC-09 093525711007 62347

Method Number: 7471A Prep Method: 7471A MOD. Pre-prep:
Batch Start Date: 12/20/2009 Intrument: 62347

Analyte/Parameter	Result	Unit	MDL	PQL	RPR	RPR Limits		RPD	RPD Max
						Min	Max		
Sample Type LCS	Lab Sample ID: P35211GQQ-HG LCS			Lab: LANCAS					
MERCURY	11.7	MG/KG	0.221	1.93	100	66	135		
Sample Type MB	Lab Sample ID: P35211GBB-HG MB			Lab: LANCAS					
MERCURY	< 0.0113	MG/KG	0.0113	0.0986					
Sample Type MS	Lab Sample ID: 5867666-HG MS			Lab: LANCAS					
MERCURY	12.1	MG/KG	0.226	1.97	NC	80	120	NC	
Sample Type MSD	Lab Sample ID: 5867666-HG MSD			Lab: LANCAS					
MERCURY	12.2	MG/KG	0.226	1.97	NC	80	120	NC	20
Sample Type REP	Lab Sample ID: 5867666-HG REP			Lab: LANCAS					
MERCURY	11.8	MG/KG	0.225	1.96				5	20

The following field samples are included in this batch:

Sampleno	Datesmpl	Lab Id	Lab
POM-S-536-250(6.0-6.5)	12/16/2009	5867700-HG FS	LANCAS
POM-S-536-283(0.0-0.5)	12/14/2009	5867670-HG FS	LANCAS
POM-S-536-310(6.0-6.5)	12/16/2009	5867688-HG FS	LANCAS
POM-S-536-313(6.0-6.5)	12/14/2009	5867669-HG FS	LANCAS
POM-S-536-314(4.0-4.5)	12/16/2009	5867693-HG FS	LANCAS
POM-S-536-315(7.0-7.5)	12/14/2009	5867668-HG FS	LANCAS
POM-S-536-33D(2.0-2.5)	12/14/2009	5867666-HG FS	LANCAS

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Batch Identifier 260428 SM 2540 G 21-DEC-09 09355820005B 9001

Method Number: SM 2540 G Prep Method: Pre-prep:
Batch Start Date: 12/21/2009 Intrument: 9001

Analyte/Parameter	Result	Unit	MDL	PQL	RPR	RPR Limits		RPD	
						Min	Max	RPD	Max
Sample Type LCS	Lab Sample ID: LC35515Q-MOIST LCS			Lab: LANCAS					
MOISTURE	89.5	%	0.50	0.50	100	99	101		
Sample Type REP	Lab Sample ID: 5867700-MOIST REP			Lab: LANCAS					
MOISTURE	59.4	%	0.50	0.50				13	15

The following field samples are included in this batch:

Sampleno	Datesmpl	Lab Id	Lab
POM-S-536-250(6.0-6.5)	12/16/2009	5867700-MOIST FS	LANCAS

Batch Identifier 260432 SM 2540 G 22-DEC-09 09356820002B 9001

Method Number: SM 2540 G Prep Method: Pre-prep:
Batch Start Date: 12/22/2009 Intrument: 9001

Analyte/Parameter	Result	Unit	MDL	PQL	RPR	RPR Limits		RPD	
						Min	Max	RPD	Max
Sample Type LCS	Lab Sample ID: LC35612Q-MOIST LCS			Lab: LANCAS					
MOISTURE	89.3	%	0.50	0.50	100	99	101		
Sample Type REP	Lab Sample ID: 5869359-MOIST REP			Lab: LANCAS					
MOISTURE	25.0	%	0.50	0.50				1	15

The following field samples are included in this batch:

Sampleno	Datesmpl	Lab Id	Lab
POM-S-536-258(3.0-3.5)	12/17/2009	5869358-MOIST FS	LANCAS
POM-S-536-325(0.0-0.5)	12/18/2009	5869359-MOIST FS	LANCAS
POM-S-536-325(0.0-0.5)-DUP	12/18/2009	5869363-MOIST FS	LANCAS

Batch Identifier 260433 3050B 6010B 21-DEC-09 093555708001 16315

Method Number: 6010B Prep Method: 3050B Pre-prep:
Batch Start Date: 12/21/2009 Intrument: 16315

Analyte/Parameter	Result	Unit	MDL	PQL	RPR	RPR Limits		RPD	
						Min	Max	RPD	Max
Sample Type LCS	Lab Sample ID: P35508AQQ-PB LCS			Lab: LANCAS					
LEAD	69.2	MG/KG	0.600	1.50	96	85	114		
Sample Type MB	Lab Sample ID: P35508ABB-PB MB			Lab: LANCAS					
LEAD	< 0.600	MG/KG	0.600	1.50					
Sample Type MS	Lab Sample ID: 5869358-PB MS			Lab: LANCAS					
LEAD	18.3	MG/KG	0.594	1.49	84	75	125		
Sample Type MSD	Lab Sample ID: 5869358-PB MSD			Lab: LANCAS					
LEAD	18.2	MG/KG	0.594	1.49	84	75	125	0	20
Sample Type REP	Lab Sample ID: 5869358-PB REP			Lab: LANCAS					
LEAD	5.91	MG/KG	0.594	1.49				2	20

The following field samples are included in this batch:

Sampleno	Datesmpl	Lab Id	Lab
POM-S-536-258(3.0-3.5)	12/17/2009	5869358-PB FS	LANCAS

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Batch Identifier 261901 3010A 6010B 21-DEC-09 093555705001 16315

Method Number: 6010B Prep Method: 3010A Pre-prep:
Batch Start Date: 12/21/2009 Instrument: 16315

Analyte/Parameter	Result	Unit	MDL	PQL	RPR	RPR Limits		RPD	
						Min	Max	RPD	Max
Sample Type SILVER	LCS 0.0464	Lab Sample ID: P35505AQQ-AG MG/L	LCS 0.0023	Lab: LANCAS 0.0050	93	83	120		
Sample Type ARSENIC	LCS 0.148	Lab Sample ID: P35505AQQ-AS MG/L	LCS 0.0072	Lab: LANCAS 0.0200	99	89	115		
Sample Type BARIUM	LCS 1.99	Lab Sample ID: P35505AQQ-BA MG/L	LCS 0.00060	Lab: LANCAS 0.0050	100	90	110		
Sample Type BERYLLIUM	LCS 0.0530	Lab Sample ID: P35505AQQ-BE MG/L	LCS 0.0014	Lab: LANCAS 0.0050	106	90	112		
Sample Type CADMIUM	LCS 0.0503	Lab Sample ID: P35505AQQ-CD MG/L	LCS 0.0020	Lab: LANCAS 0.0050	101	90	112		
Sample Type COBALT	LCS 0.502	Lab Sample ID: P35505AQQ-CO MG/L	LCS 0.0021	Lab: LANCAS 0.0050	100	90	110		
Sample Type CHROMIUM	LCS 0.201	Lab Sample ID: P35505AQQ-CR MG/L	LCS 0.0034	Lab: LANCAS 0.0150	100	90	110		
Sample Type COPPER	LCS 0.259	Lab Sample ID: P35505AQQ-CU MG/L	LCS 0.0027	Lab: LANCAS 0.0100	104	90	112		
Sample Type NICKEL	LCS 0.501	Lab Sample ID: P35505AQQ-NI MG/L	LCS 0.0018	Lab: LANCAS 0.0100	100	90	111		
Sample Type LEAD	LCS 0.149	Lab Sample ID: P35505AQQ-PB MG/L	LCS 0.0069	Lab: LANCAS 0.0150	100	80	120		
Sample Type ANTIMONY	LCS 0.564	Lab Sample ID: P35505AQQ-SB MG/L	LCS 0.0097	Lab: LANCAS 0.0200	113	88	111		
Sample Type SELENIUM	LCS 0.157	Lab Sample ID: P35505AQQ-SE MG/L	LCS 0.0089	Lab: LANCAS 0.0200	105	80	120		
Sample Type TIN	LCS 3.89	Lab Sample ID: P35505AQQ-SN MG/L	LCS 0.0098	Lab: LANCAS 0.0200	97	90	110		
Sample Type THALLIUM	LCS 0.151	Lab Sample ID: P35505AQQ-TL MG/L	LCS 0.0140	Lab: LANCAS 0.0300	101	85	113		
Sample Type VANADIUM	LCS 0.516	Lab Sample ID: P35505AQQ-V MG/L	LCS 0.0025	Lab: LANCAS 0.0050	103	90	110		
Sample Type ZINC	LCS 0.506	Lab Sample ID: P35505AQQ-ZN MG/L	LCS 0.0081	Lab: LANCAS 0.0200	101	90	111		
Sample Type SILVER	MB < 0.0023	Lab Sample ID: P35505ABB-AG MG/L	MB 0.0023	Lab: LANCAS 0.0050					
Sample Type ARSENIC	MB < 0.0072	Lab Sample ID: P35505ABB-AS MG/L	MB 0.0072	Lab: LANCAS 0.0200					
Sample Type BARIUM	MB < 0.00060	Lab Sample ID: P35505ABB-BA MG/L	MB 0.00060	Lab: LANCAS 0.0050					
Sample Type BERYLLIUM	MB < 0.0014	Lab Sample ID: P35505ABB-BE MG/L	MB 0.0014	Lab: LANCAS 0.0050					
Sample Type CADMIUM	MB < 0.0020	Lab Sample ID: P35505ABB-CD MG/L	MB 0.0020	Lab: LANCAS 0.0050					
Sample Type COBALT	MB < 0.0021	Lab Sample ID: P35505ABB-CO MG/L	MB 0.0021	Lab: LANCAS 0.0050					
Sample Type CHROMIUM	MB < 0.0034	Lab Sample ID: P35505ABB-CR MG/L	MB 0.0034	Lab: LANCAS 0.0150					
Sample Type COPPER	MB < 0.0027	Lab Sample ID: P35505ABB-CU MG/L	MB 0.0027	Lab: LANCAS 0.0100					
Sample Type NICKEL	MB < 0.0018	Lab Sample ID: P35505ABB-NI MG/L	MB 0.0018	Lab: LANCAS 0.0100					
Sample Type LEAD	MB < 0.0069	Lab Sample ID: P35505ABB-PB MG/L	MB 0.0069	Lab: LANCAS 0.0150					
Sample Type ANTIMONY	MB < 0.0097	Lab Sample ID: P35505ABB-SB MG/L	MB 0.0097	Lab: LANCAS 0.0200					
Sample Type SELENIUM	MB < 0.0089	Lab Sample ID: P35505ABB-SE MG/L	MB 0.0089	Lab: LANCAS 0.0200					
Sample Type TIN	MB < 0.0098	Lab Sample ID: P35505ABB-SN MG/L	MB 0.0098	Lab: LANCAS 0.0200					
Sample Type THALLIUM	MB < 0.0140	Lab Sample ID: P35505ABB-TL MG/L	MB 0.0140	Lab: LANCAS 0.0300					
Sample Type VANADIUM	MB < 0.0025	Lab Sample ID: P35505ABB-V MG/L	MB 0.0025	Lab: LANCAS 0.0050					

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Analyte/Parameter	Result	Unit	MDL	PQL	RPR	RPR Limits		RPD	
						Min	Max	RPD	Max
Sample Type MB	Lab Sample ID: P35505ABB-ZN MB			Lab: LANCAS					
ZINC	< 0.0081	MG/L	0.0081	0.0200					
Sample Type MS	Lab Sample ID: 5866694-AG MS			Lab: LANCAS					
SILVER	0.0453	MG/L	0.0023	0.0050	91	75	125		
Sample Type MS	Lab Sample ID: 5866694-AS MS			Lab: LANCAS					
ARSENIC	0.150	MG/L	0.0072	0.0200	100	75	125		
Sample Type MS	Lab Sample ID: 5866694-BA MS			Lab: LANCAS					
BARIUM	1.95	MG/L	0.00060	0.0050	94	78	118		
Sample Type MS	Lab Sample ID: 5866694-BE MS			Lab: LANCAS					
BERYLLIUM	0.0536	MG/L	0.0014	0.0050	101	87	114		
Sample Type MS	Lab Sample ID: 5866694-CD MS			Lab: LANCAS					
CADMIUM	0.0511	MG/L	0.0020	0.0050	94	83	116		
Sample Type MS	Lab Sample ID: 5866694-CO MS			Lab: LANCAS					
COBALT	0.515	MG/L	0.0021	0.0050	95	87	112		
Sample Type MS	Lab Sample ID: 5866694-CR MS			Lab: LANCAS					
CHROMIUM	0.205	MG/L	0.0034	0.0150	94	81	120		
Sample Type MS	Lab Sample ID: 5866694-CU MS			Lab: LANCAS					
COPPER	0.279	MG/L	0.0027	0.0100	82	86	122		
Sample Type MS	Lab Sample ID: 5866694-NI MS			Lab: LANCAS					
NICKEL	0.491	MG/L	0.0018	0.0100	95	86	115		
Sample Type MS	Lab Sample ID: 5866694-PB MS			Lab: LANCAS					
LEAD	0.146	MG/L	0.0069	0.0150	89	75	125		
Sample Type MS	Lab Sample ID: 5866694-SB MS			Lab: LANCAS					
ANTIMONY	0.555	MG/L	0.0097	0.0200	111	87	122		
Sample Type MS	Lab Sample ID: 5866694-SE MS			Lab: LANCAS					
SELENIUM	0.158	MG/L	0.0089	0.0200	105	75	125		
Sample Type MS	Lab Sample ID: 5866694-SN MS			Lab: LANCAS					
TIN	3.80	MG/L	0.0098	0.0200	95	86	118		
Sample Type MS	Lab Sample ID: 5866694-TL MS			Lab: LANCAS					
THALLIUM	0.143	MG/L	0.0140	0.0300	95	83	116		
Sample Type MS	Lab Sample ID: 5866694-V MS			Lab: LANCAS					
VANADIUM	0.515	MG/L	0.0025	0.0050	99	90	111		
Sample Type MS	Lab Sample ID: 5866694-ZN MS			Lab: LANCAS					
ZINC	0.582	MG/L	0.0081	0.0200	77	85	117		
Sample Type MSD	Lab Sample ID: 5866694-AG MSD			Lab: LANCAS					
SILVER	0.0449	MG/L	0.0023	0.0050	90	75	125	1	20
Sample Type MSD	Lab Sample ID: 5866694-AS MSD			Lab: LANCAS					
ARSENIC	0.154	MG/L	0.0072	0.0200	103	75	125	3	20
Sample Type MSD	Lab Sample ID: 5866694-BA MSD			Lab: LANCAS					
BARIUM	2.03	MG/L	0.00060	0.0050	98	78	118	4	20
Sample Type MSD	Lab Sample ID: 5866694-BE MSD			Lab: LANCAS					
BERYLLIUM	0.0556	MG/L	0.0014	0.0050	105	87	114	4	20
Sample Type MSD	Lab Sample ID: 5866694-CD MSD			Lab: LANCAS					
CADMIUM	0.0526	MG/L	0.0020	0.0050	97	83	116	3	20
Sample Type MSD	Lab Sample ID: 5866694-CO MSD			Lab: LANCAS					
COBALT	0.532	MG/L	0.0021	0.0050	98	87	112	3	20
Sample Type MSD	Lab Sample ID: 5866694-CR MSD			Lab: LANCAS					
CHROMIUM	0.211	MG/L	0.0034	0.0150	97	81	120	3	20
Sample Type MSD	Lab Sample ID: 5866694-CU MSD			Lab: LANCAS					
COPPER	0.282	MG/L	0.0027	0.0100	83	86	122	1	20
Sample Type MSD	Lab Sample ID: 5866694-NI MSD			Lab: LANCAS					
NICKEL	0.507	MG/L	0.0018	0.0100	98	86	115	3	20
Sample Type MSD	Lab Sample ID: 5866694-PB MSD			Lab: LANCAS					
LEAD	0.151	MG/L	0.0069	0.0150	92	75	125	3	20
Sample Type MSD	Lab Sample ID: 5866694-SB MSD			Lab: LANCAS					
ANTIMONY	0.551	MG/L	0.0097	0.0200	110	87	122	1	20
Sample Type MSD	Lab Sample ID: 5866694-SE MSD			Lab: LANCAS					
SELENIUM	0.161	MG/L	0.0089	0.0200	107	75	125	2	20
Sample Type MSD	Lab Sample ID: 5866694-SN MSD			Lab: LANCAS					
TIN	3.78	MG/L	0.0098	0.0200	95	86	118	0	20
Sample Type MSD	Lab Sample ID: 5866694-TL MSD			Lab: LANCAS					
THALLIUM	0.147	MG/L	0.0140	0.0300	98	83	116	3	20
Sample Type MSD	Lab Sample ID: 5866694-V MSD			Lab: LANCAS					
VANADIUM	0.534	MG/L	0.0025	0.0050	103	90	111	4	20
Sample Type MSD	Lab Sample ID: 5866694-ZN MSD			Lab: LANCAS					
ZINC	0.590	MG/L	0.0081	0.0200	78	85	117	1	20
Sample Type REP	Lab Sample ID: 5866694-AG REP			Lab: LANCAS					
SILVER	< 0.0023	MG/L	0.0023	0.0050				0	20

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Analyte/Parameter	Result	Unit	MDL	PQL	RPR	RPR Limits		RPD	
						Min	Max	RPD	Max
Sample Type ARSENIC	REP 0.0083	Lab Sample ID: 5866694-AS MG/L	REP 0.0072	Lab: LANCAS 0.0200				200	20
Sample Type BARIUM	REP 0.0698	Lab Sample ID: 5866694-BA MG/L	REP 0.00060	Lab: LANCAS 0.0050				1	20
Sample Type BERYLLIUM	REP 0.0031	Lab Sample ID: 5866694-BE MG/L	REP 0.0014	Lab: LANCAS 0.0050				1	20
Sample Type CADMIUM	REP 0.0044	Lab Sample ID: 5866694-CD MG/L	REP 0.0020	Lab: LANCAS 0.0050				5	20
Sample Type COBALT	REP 0.0415	Lab Sample ID: 5866694-CO MG/L	REP 0.0021	Lab: LANCAS 0.0050				0	20
Sample Type CHROMIUM	REP 0.0184	Lab Sample ID: 5866694-CR MG/L	REP 0.0034	Lab: LANCAS 0.0150				4	20
Sample Type COPPER	REP 0.0759	Lab Sample ID: 5866694-CU MG/L	REP 0.0027	Lab: LANCAS 0.0100				1	20
Sample Type NICKEL	REP 0.0171	Lab Sample ID: 5866694-NI MG/L	REP 0.0018	Lab: LANCAS 0.0100				1	20
Sample Type LEAD	REP 0.0135	Lab Sample ID: 5866694-PB MG/L	REP 0.0069	Lab: LANCAS 0.0150				4	20
Sample Type ANTIMONY	REP < 0.0097	Lab Sample ID: 5866694-SB MG/L	REP 0.0097	Lab: LANCAS 0.0200				0	20
Sample Type SELENIUM	REP < 0.0089	Lab Sample ID: 5866694-SE MG/L	REP 0.0089	Lab: LANCAS 0.0200				0	20
Sample Type TIN	REP < 0.0098	Lab Sample ID: 5866694-SN MG/L	REP 0.0098	Lab: LANCAS 0.0200				0	20
Sample Type THALLIUM	REP < 0.0140	Lab Sample ID: 5866694-TL MG/L	REP 0.0140	Lab: LANCAS 0.0300				0	20
Sample Type VANADIUM	REP 0.0194	Lab Sample ID: 5866694-V MG/L	REP 0.0025	Lab: LANCAS 0.0050				2	20
Sample Type ZINC	REP 0.202	Lab Sample ID: 5866694-ZN MG/L	REP 0.0081	Lab: LANCAS 0.0200				2	20

The following field samples are included in this batch:

Sampleno	Datesmpl	Lab Id	Lab
POM-K-536-EQBLK10	12/15/2009	5867690-PB EB	LANCAS
POM-K-536-EQBLK10	12/15/2009	5867690-SE EB	LANCAS
POM-K-536-EQBLK11	12/16/2009	5867691-PB EB	LANCAS
POM-K-536-EQBLK9	12/14/2009	5867689-PB EB	LANCAS

Batch Identifier 261902 **METHOD** 7470A 21-DEC-09 093555713005 62347

Method Number: 7470A Prep Method: METHOD Pre-prep:
Batch Start Date: 12/21/2009 Intrument: 62347

Analyte/Parameter	Result	Unit	MDL	PQL	RPR	RPR Limits		RPD	
						Min	Max	RPD	Max
Sample Type MERCURY	LCS 0.00088	Lab Sample ID: P35513EQQ-HG MG/L	LCS 0.000056	Lab: LANCAS 0.00020	88	80	120		
Sample Type MERCURY	MB < 0.000056	Lab Sample ID: P35513EBB-HG MG/L	MB 0.000056	Lab: LANCAS 0.00020					
Sample Type MERCURY	MS 0.0011	Lab Sample ID: 5867996-HG MG/L	MS 0.000056	Lab: LANCAS 0.00020	105	80	120		
Sample Type MERCURY	MSD 0.0011	Lab Sample ID: 5867996-HG MG/L	MSD 0.000056	Lab: LANCAS 0.00020	105	80	120	0	20
Sample Type MERCURY	REP < 0.000056	Lab Sample ID: 5867996-HG MG/L	REP 0.000056	Lab: LANCAS 0.00020				0	20

The following field samples are included in this batch:

Sampleno	Datesmpl	Lab Id	Lab
POM-K-536-EQBLK11	12/16/2009	5867691-HG EB	LANCAS
POM-K-536-EQBLK9	12/14/2009	5867689-HG EB	LANCAS

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Batch Identifier 261921 SM 2540 G 22-DEC-09 09356820004A 9001

Method Number: SM 2540 G Prep Method: Pre-prep:
Batch Start Date: 12/22/2009 Instrument: 9001

Analyte/Parameter	Result	Unit	MDL	PQL	RPR	RPR Limits		RPD	
						Min	Max	RPD	Max
Sample Type MOISTURE	LCS	Lab Sample ID: LC35614Q-MOIST LCS		Lab: LANCAS					
	89.5	%	0.50	0.50	100	99	101		
Sample Type MOISTURE	REP	Lab Sample ID: 5869344-MOIST REP		Lab: LANCAS				11	15
	38.6	%	0.50	0.50					

The following field samples are included in this batch:

Sampleno	Datesmpl	Lab Id	Lab
POM-S-536-251(6.0-6.5)	12/17/2009	5869337-MOIST FS	LANCAS
POM-S-536-253(6.0-6.5)	12/17/2009	5869338-MOIST FS	LANCAS
POM-S-536-254(5.0-5.5)	12/17/2009	5869339-MOIST FS	LANCAS
POM-S-536-255(5.0-5.5)	12/17/2009	5869340-MOIST FS	LANCAS
POM-S-536-257(5.0-5.5)	12/17/2009	5869341-MOIST FS	LANCAS
POM-S-536-259(3.0-3.5)	12/17/2009	5869342-MOIST FS	LANCAS
POM-S-536-260(3.0-3.5)	12/18/2009	5869350-MOIST FS	LANCAS
POM-S-536-261(3.0-3.5)	12/18/2009	5869349-MOIST FS	LANCAS
POM-S-536-310(6.0-6.5)	12/16/2009	5867688-MOIST FS	LANCAS
POM-S-536-326(0.0-0.5)	12/18/2009	5869354-MOIST FS	LANCAS
POM-S-536-329(0.0-0.5)	12/18/2009	5869351-MOIST FS	LANCAS
POM-S-536-329(2.0-2.5)	12/18/2009	5869352-MOIST FS	LANCAS
POM-S-536-329(3.0-3.5)	12/18/2009	5869353-MOIST FS	LANCAS
POM-S-536-330(0.0-0.5)	12/17/2009	5869343-MOIST FS	LANCAS
POM-S-536-330(2.0-2.5)	12/17/2009	5869344-MOIST FS	LANCAS
POM-S-536-330(2.0-2.5)-DUP	12/17/2009	5869348-MOIST FS	LANCAS

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Batch Identifier 262202 3010A 6010B 30-DEC-09 093635705003 16315

Method Number: 6010B Prep Method: 3010A Pre-prep:
Batch Start Date: 12/30/2009 Instrument: 16315

Analyte/Parameter	Result	Unit	MDL	PQL	RPR	RPR Limits		RPD	
						Min	Max	RPD	Max
Sample Type SILVER	LCS 0.0545	Lab Sample ID: P36305CQQ-AG MG/L	LCS 0.0023	Lab: LANCAS 0.0050	109	83	120		
Sample Type ARSENIC	LCS 0.158	Lab Sample ID: P36305CQQ-AS MG/L	LCS 0.0072	Lab: LANCAS 0.0200	105	89	115		
Sample Type BARIUM	LCS 2.02	Lab Sample ID: P36305CQQ-BA MG/L	LCS 0.00060	Lab: LANCAS 0.0050	101	90	110		
Sample Type BERYLLIUM	LCS 0.0542	Lab Sample ID: P36305CQQ-BE MG/L	LCS 0.0014	Lab: LANCAS 0.0050	108	90	112		
Sample Type CADMIUM	LCS 0.0514	Lab Sample ID: P36305CQQ-CD MG/L	LCS 0.0020	Lab: LANCAS 0.0050	103	90	112		
Sample Type CHROMIUM	LCS 0.200	Lab Sample ID: P36305CQQ-CR MG/L	LCS 0.0034	Lab: LANCAS 0.0150	100	90	110		
Sample Type COPPER	LCS 0.260	Lab Sample ID: P36305CQQ-CU MG/L	LCS 0.0027	Lab: LANCAS 0.0100	104	90	112		
Sample Type NICKEL	LCS 0.512	Lab Sample ID: P36305CQQ-NI MG/L	LCS 0.0018	Lab: LANCAS 0.0100	102	90	111		
Sample Type LEAD	LCS 0.153	Lab Sample ID: P36305CQQ-PB MG/L	LCS 0.0069	Lab: LANCAS 0.0150	102	80	120		
Sample Type ANTIMONY	LCS 0.556	Lab Sample ID: P36305CQQ-SB MG/L	LCS 0.0097	Lab: LANCAS 0.0200	111	88	111		
Sample Type SELENIUM	LCS 0.157	Lab Sample ID: P36305CQQ-SE MG/L	LCS 0.0089	Lab: LANCAS 0.0200	104	80	120		
Sample Type THALLIUM	LCS 0.154	Lab Sample ID: P36305CQQ-TL MG/L	LCS 0.0140	Lab: LANCAS 0.0300	102	85	113		
Sample Type ZINC	LCS 0.518	Lab Sample ID: P36305CQQ-ZN MG/L	LCS 0.0081	Lab: LANCAS 0.0200	104	90	111		
Sample Type SILVER	MB < 0.0023	Lab Sample ID: P36305CBB-AG MG/L	MB 0.0023	Lab: LANCAS 0.0050					
Sample Type ARSENIC	MB < 0.0072	Lab Sample ID: P36305CBB-AS MG/L	MB 0.0072	Lab: LANCAS 0.0200					
Sample Type BARIUM	MB < 0.00060	Lab Sample ID: P36305CBB-BA MG/L	MB 0.00060	Lab: LANCAS 0.0050					
Sample Type BERYLLIUM	MB < 0.0014	Lab Sample ID: P36305CBB-BE MG/L	MB 0.0014	Lab: LANCAS 0.0050					
Sample Type CADMIUM	MB < 0.0020	Lab Sample ID: P36305CBB-CD MG/L	MB 0.0020	Lab: LANCAS 0.0050					
Sample Type CHROMIUM	MB < 0.0034	Lab Sample ID: P36305CBB-CR MG/L	MB 0.0034	Lab: LANCAS 0.0150					
Sample Type COPPER	MB < 0.0027	Lab Sample ID: P36305CBB-CU MG/L	MB 0.0027	Lab: LANCAS 0.0100					
Sample Type NICKEL	MB < 0.0018	Lab Sample ID: P36305CBB-NI MG/L	MB 0.0018	Lab: LANCAS 0.0100					
Sample Type LEAD	MB < 0.0069	Lab Sample ID: P36305CBB-PB MG/L	MB 0.0069	Lab: LANCAS 0.0150					
Sample Type ANTIMONY	MB < 0.0097	Lab Sample ID: P36305CBB-SB MG/L	MB 0.0097	Lab: LANCAS 0.0200					
Sample Type SELENIUM	MB < 0.0089	Lab Sample ID: P36305CBB-SE MG/L	MB 0.0089	Lab: LANCAS 0.0200					
Sample Type THALLIUM	MB < 0.0140	Lab Sample ID: P36305CBB-TL MG/L	MB 0.0140	Lab: LANCAS 0.0300					
Sample Type ZINC	MB < 0.0081	Lab Sample ID: P36305CBB-ZN MG/L	MB 0.0081	Lab: LANCAS 0.0200					
Sample Type SILVER	MS 0.0545	Lab Sample ID: 5869369-AG MG/L	MS 0.0023	Lab: LANCAS 0.0050	109	75	125		
Sample Type ARSENIC	MS 0.163	Lab Sample ID: 5869369-AS MG/L	MS 0.0072	Lab: LANCAS 0.0200	109	75	125		
Sample Type BARIUM	MS 2.00	Lab Sample ID: 5869369-BA MG/L	MS 0.00060	Lab: LANCAS 0.0050	99	78	118		
Sample Type BERYLLIUM	MS 0.0554	Lab Sample ID: 5869369-BE MG/L	MS 0.0014	Lab: LANCAS 0.0050	111	87	114		
Sample Type CADMIUM	MS 0.0515	Lab Sample ID: 5869369-CD MG/L	MS 0.0020	Lab: LANCAS 0.0050	103	83	116		

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Analyte/Parameter	Result	Unit	MDL	PQL	RPR	RPR Limits		RPD	
						Min	Max	RPD	Max
Sample Type CHROMIUM	MS 0.198	MG/L	0.0034	Lab Sample ID: 5869369-CR MS 0.0150	Lab: LANCAS 99	81	120		
Sample Type COPPER	MS 0.260	MG/L	0.0027	Lab Sample ID: 5869369-CU MS 0.0100	Lab: LANCAS 104	86	122		
Sample Type NICKEL	MS 0.510	MG/L	0.0018	Lab Sample ID: 5869369-NI MS 0.0100	Lab: LANCAS 102	86	115		
Sample Type LEAD	MS 0.152	MG/L	0.0069	Lab Sample ID: 5869369-PB MS 0.0150	Lab: LANCAS 101	75	125		
Sample Type ANTIMONY	MS 0.559	MG/L	0.0097	Lab Sample ID: 5869369-SB MS 0.0200	Lab: LANCAS 112	87	122		
Sample Type SELENIUM	MS 0.163	MG/L	0.0089	Lab Sample ID: 5869369-SE MS 0.0200	Lab: LANCAS 108	75	125		
Sample Type THALLIUM	MS 0.151	MG/L	0.0140	Lab Sample ID: 5869369-TL MS 0.0300	Lab: LANCAS 101	83	116		
Sample Type ZINC	MS 0.526	MG/L	0.0081	Lab Sample ID: 5869369-ZN MS 0.0200	Lab: LANCAS 105	85	117		
Sample Type SILVER	MSD 0.0543	MG/L	0.0023	Lab Sample ID: 5869369-AG MSD 0.0050	Lab: LANCAS 109	75	125	0	20
Sample Type ARSENIC	MSD 0.162	MG/L	0.0072	Lab Sample ID: 5869369-AS MSD 0.0200	Lab: LANCAS 108	75	125	0	20
Sample Type BARIUM	MSD 2.00	MG/L	0.00060	Lab Sample ID: 5869369-BA MSD 0.0050	Lab: LANCAS 99	78	118	0	20
Sample Type BERYLLIUM	MSD 0.0551	MG/L	0.0014	Lab Sample ID: 5869369-BE MSD 0.0050	Lab: LANCAS 110	87	114	1	20
Sample Type CADMIUM	MSD 0.0512	MG/L	0.0020	Lab Sample ID: 5869369-CD MSD 0.0050	Lab: LANCAS 102	83	116	1	20
Sample Type CHROMIUM	MSD 0.197	MG/L	0.0034	Lab Sample ID: 5869369-CR MSD 0.0150	Lab: LANCAS 98	81	120	1	20
Sample Type COPPER	MSD 0.260	MG/L	0.0027	Lab Sample ID: 5869369-CU MSD 0.0100	Lab: LANCAS 104	86	122	0	20
Sample Type NICKEL	MSD 0.505	MG/L	0.0018	Lab Sample ID: 5869369-NI MSD 0.0100	Lab: LANCAS 101	86	115	1	20
Sample Type LEAD	MSD 0.150	MG/L	0.0069	Lab Sample ID: 5869369-PB MSD 0.0150	Lab: LANCAS 100	75	125	1	20
Sample Type ANTIMONY	MSD 0.557	MG/L	0.0097	Lab Sample ID: 5869369-SB MSD 0.0200	Lab: LANCAS 111	87	122	0	20
Sample Type SELENIUM	MSD 0.162	MG/L	0.0089	Lab Sample ID: 5869369-SE MSD 0.0200	Lab: LANCAS 108	75	125	0	20
Sample Type THALLIUM	MSD 0.150	MG/L	0.0140	Lab Sample ID: 5869369-TL MSD 0.0300	Lab: LANCAS 100	83	116	1	20
Sample Type ZINC	MSD 0.523	MG/L	0.0081	Lab Sample ID: 5869369-ZN MSD 0.0200	Lab: LANCAS 105	85	117	1	20
Sample Type SILVER	REP < 0.0023	MG/L	0.0023	Lab Sample ID: 5869369-AG REP 0.0050	Lab: LANCAS			0	20
Sample Type ARSENIC	REP < 0.0072	MG/L	0.0072	Lab Sample ID: 5869369-AS REP 0.0200	Lab: LANCAS			0	20
Sample Type BARIUM	REP 0.0115	MG/L	0.00060	Lab Sample ID: 5869369-BA REP 0.0050	Lab: LANCAS			12	20
Sample Type BERYLLIUM	REP < 0.0014	MG/L	0.0014	Lab Sample ID: 5869369-BE REP 0.0050	Lab: LANCAS			0	20
Sample Type CADMIUM	REP < 0.0020	MG/L	0.0020	Lab Sample ID: 5869369-CD REP 0.0050	Lab: LANCAS			0	20
Sample Type CHROMIUM	REP < 0.0034	MG/L	0.0034	Lab Sample ID: 5869369-CR REP 0.0150	Lab: LANCAS			0	20
Sample Type COPPER	REP < 0.0027	MG/L	0.0027	Lab Sample ID: 5869369-CU REP 0.0100	Lab: LANCAS			0	20
Sample Type NICKEL	REP < 0.0018	MG/L	0.0018	Lab Sample ID: 5869369-NI REP 0.0100	Lab: LANCAS			0	20
Sample Type LEAD	REP < 0.0069	MG/L	0.0069	Lab Sample ID: 5869369-PB REP 0.0150	Lab: LANCAS			0	20
Sample Type ANTIMONY	REP < 0.0097	MG/L	0.0097	Lab Sample ID: 5869369-SB REP 0.0200	Lab: LANCAS			0	20
Sample Type SELENIUM	REP < 0.0089	MG/L	0.0089	Lab Sample ID: 5869369-SE REP 0.0200	Lab: LANCAS			0	20
Sample Type THALLIUM	REP < 0.0140	MG/L	0.0140	Lab Sample ID: 5869369-TL REP 0.0300	Lab: LANCAS			0	20
Sample Type ZINC	REP < 0.0081	MG/L	0.0081	Lab Sample ID: 5869369-ZN REP 0.0200	Lab: LANCAS			0	20

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The following field samples are included in this batch:

Sampleno	Datesmpl	Lab Id	Lab
POM-K-536-EQBLK12	12/17/2009	5869356-PB EB	LANCAS
POM-K-536-EQBLK13	12/18/2009	5869357-PB EB	LANCAS

Batch Identifier 262205 **METHOD** 7470A 29-DEC-09 093635713004 62347

Method Number: 7470A Prep Method: METHOD Pre-prep:
Batch Start Date: 12/29/2009 Instrument: 62347

Analyte/Parameter	Result	Unit	MDL	PQL	RPR	RPR Limits		RPD	RPD Max
						Min	Max		
Sample Type MERCURY	LCS 0.0010	MG/L	0.000056	0.00020	104	80	120		
Sample Type MERCURY	MB < 0.000056	MG/L	0.000056	0.00020					
Sample Type MERCURY	MS 0.00097	MG/L	0.000056	0.00020	97	80	120		
Sample Type MERCURY	MSD 0.00097	MG/L	0.000056	0.00020	97	80	120	0	20
Sample Type MERCURY	REP < 0.000056	MG/L	0.000056	0.00020				0	20

The following field samples are included in this batch:

Sampleno	Datesmpl	Lab Id	Lab
POM-K-536-EQBLK12	12/17/2009	5869356-HG EB	LANCAS
POM-K-536-EQBLK13	12/18/2009	5869357-HG EB	LANCAS

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Batch Identifier 262301 3050B 6010B 20-DEC-09 093525708010 16417

Method Number: 6010B Prep Method: 3050B Pre-prep:
Batch Start Date: 12/20/2009 Instrument: 16417

Analyte/Parameter	Result	Unit	MDL	PQL	RPR	RPR Limits		RPD	
						Min	Max	RPD	Max
Sample Type	LCS	Lab Sample ID: P35208JQQ-PB LCS		Lab: LANCAS					
LEAD	70.5	MG/KG	0.600	1.50	98	85	114		
Sample Type	LCS	Lab Sample ID: P35208JQQ-SE LCS		Lab: LANCAS					
SELENIUM	221	MG/KG	0.980	2.00	104	90	109		
Sample Type	MB	Lab Sample ID: P35208JBB-PB MB		Lab: LANCAS					
LEAD	< 0.600	MG/KG	0.600	1.50					
Sample Type	MB	Lab Sample ID: P35208JBB-SE MB		Lab: LANCAS					
SELENIUM	< 0.980	MG/KG	0.980	2.00					
Sample Type	MS	Lab Sample ID: 5867681-PB MS		Lab: LANCAS					
LEAD	180	MG/KG	0.600	1.50	NC	75	125	NC	
Sample Type	MS	Lab Sample ID: 5867681-SE MS		Lab: LANCAS					
SELENIUM	16.7	MG/KG	0.980	2.00	111	75	125		
Sample Type	MSD	Lab Sample ID: 5867681-PB MSD		Lab: LANCAS					
LEAD	175	MG/KG	0.600	1.50	NC	75	125	NC	20
Sample Type	MSD	Lab Sample ID: 5867681-SE MSD		Lab: LANCAS					
SELENIUM	16.6	MG/KG	0.980	2.00	111	75	125	1	20
Sample Type	REP	Lab Sample ID: 5867681-PB REP		Lab: LANCAS					
LEAD	157	MG/KG	0.600	1.50				3	20
Sample Type	REP	Lab Sample ID: 5867681-SE REP		Lab: LANCAS					
SELENIUM	< 0.980	MG/KG	0.980	2.00				0	20

The following field samples are included in this batch:

Sampleno	Datesmpl	Lab Id	Lab
POM-S-536-238(3.0-3.5)	12/15/2009	5867674-PB FS	LANCAS
POM-S-536-239(3.0-3.5)	12/15/2009	5867675-PB FS	LANCAS
POM-S-536-240(3.0-3.5)	12/15/2009	5867676-PB FS	LANCAS
POM-S-536-241(3.0-3.5)	12/15/2009	5867677-PB FS	LANCAS
POM-S-536-242(1.5-2.0)	12/15/2009	5867678-PB FS	LANCAS
POM-S-536-246(0.0-0.5)	12/16/2009	5867680-PB FS	LANCAS
POM-S-536-247(0.0-0.5)	12/16/2009	5867679-PB FS	LANCAS
POM-S-536-248(0.0-0.5)	12/16/2009	5867681-PB FS	LANCAS
POM-S-536-248(0.0-0.5)-DUP	12/16/2009	5867685-PB FS	LANCAS
POM-S-536-249(0.0-0.5)	12/16/2009	5867686-PB FS	LANCAS
POM-S-536-283(0.0-0.5)	12/14/2009	5867670-PB FS	LANCAS
POM-S-536-301(0.0-0.5)	12/15/2009	5867671-PB FS	LANCAS
POM-S-536-301(0.0-0.5)	12/15/2009	5867671-SE FS	LANCAS
POM-S-536-310(3.0-3.5)	12/16/2009	5867687-PB FS	LANCAS
POM-S-536-313(6.0-6.5)	12/14/2009	5867669-PB FS	LANCAS
POM-S-536-315(1.0-1.5)	12/14/2009	5867667-PB FS	LANCAS
POM-S-536-31D(2.0-2.5)	12/15/2009	5867673-PB FS	LANCAS
POM-S-536-33D(1.0-1.5)	12/14/2009	5867665-PB FS	LANCAS
POM-S-536-34D(5.0-5.5)	12/15/2009	5867672-PB FS	LANCAS

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Batch Identifier 262302 SM 2540 G 22-DEC-09 09356820003B 9001

Method Number: SM 2540 G Prep Method: Pre-prep:
Batch Start Date: 12/22/2009 Instrument: 9001

Analyte/Parameter	Result	Unit	MDL	PQL	RPR	RPR Limits		RPD	RPD Max
						Min	Max		
Sample Type LCS	Lab Sample ID: LC35613Q-MOIST LCS			Lab: LANCAS					
MOISTURE	89.4	%	0.50	0.50	100	99	101		
Sample Type REP	Lab Sample ID: 5867681-MOIST REP			Lab: LANCAS					
MOISTURE	33.0	%	0.50	0.50				1	15

The following field samples are included in this batch:

Sampleno	Datesmpl	Lab Id	Lab
POM-S-536-239(3.0-3.5)	12/15/2009	5867675-MOIST FS	LANCAS
POM-S-536-240(3.0-3.5)	12/15/2009	5867676-MOIST FS	LANCAS
POM-S-536-241(3.0-3.5)	12/15/2009	5867677-MOIST FS	LANCAS
POM-S-536-242(1.5-2.0)	12/15/2009	5867678-MOIST FS	LANCAS
POM-S-536-246(0.0-0.5)	12/16/2009	5867680-MOIST FS	LANCAS
POM-S-536-247(0.0-0.5)	12/16/2009	5867679-MOIST FS	LANCAS
POM-S-536-248(0.0-0.5)	12/16/2009	5867681-MOIST FS	LANCAS
POM-S-536-248(0.0-0.5)-DUP	12/16/2009	5867685-MOIST FS	LANCAS
POM-S-536-249(0.0-0.5)	12/16/2009	5867686-MOIST FS	LANCAS
POM-S-536-310(3.0-3.5)	12/16/2009	5867687-MOIST FS	LANCAS

Batch Identifier 262308 3050B 6010B 30-DEC-09 093645708004 11016

Method Number: 6010B Prep Method: 3050B Pre-prep:
Batch Start Date: 12/30/2009 Instrument: 11016

Analyte/Parameter	Result	Unit	MDL	PQL	RPR	RPR Limits		RPD	RPD Max
						Min	Max		
Sample Type LCS	Lab Sample ID: P36408DQQ-PB LCS			Lab: LANCAS					
LEAD	66.6	MG/KG	0.600	1.50	93	85	114		
Sample Type MB	Lab Sample ID: P36408DBB-PB MB			Lab: LANCAS					
LEAD	< 0.600	MG/KG	0.600	1.50					
Sample Type MS	Lab Sample ID: 5869344-PB MS			Lab: LANCAS					
LEAD	211	MG/KG	0.600	1.50	NC	75	125	NC	
Sample Type MSD	Lab Sample ID: 5869344-PB MSD			Lab: LANCAS					
LEAD	193	MG/KG	0.600	1.50	NC	75	125	NC	20
Sample Type REP	Lab Sample ID: 5869344-PB REP			Lab: LANCAS					
LEAD	213	MG/KG	0.600	1.50				4	20

The following field samples are included in this batch:

Sampleno	Datesmpl	Lab Id	Lab
POM-S-536-251(6.0-6.5)	12/17/2009	5869337-PB FS	LANCAS
POM-S-536-253(6.0-6.5)	12/17/2009	5869338-PB FS	LANCAS
POM-S-536-254(5.0-5.5)	12/17/2009	5869339-PB FS	LANCAS
POM-S-536-255(5.0-5.5)	12/17/2009	5869340-PB FS	LANCAS
POM-S-536-257(5.0-5.5)	12/17/2009	5869341-PB FS	LANCAS
POM-S-536-259(3.0-3.5)	12/17/2009	5869342-PB FS	LANCAS
POM-S-536-260(3.0-3.5)	12/18/2009	5869350-PB FS	LANCAS
POM-S-536-261(3.0-3.5)	12/18/2009	5869349-PB FS	LANCAS
POM-S-536-326(0.0-0.5)	12/18/2009	5869354-PB FS	LANCAS
POM-S-536-329(2.0-2.5)	12/18/2009	5869352-PB FS	LANCAS
POM-S-536-330(2.0-2.5)	12/17/2009	5869344-PB FS	LANCAS
POM-S-536-330(2.0-2.5)-DUP	12/17/2009	5869348-PB FS	LANCAS

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Batch Identifier 262309 7471A MOD. 7471A 03-JAN-10 093655711004 62347

Method Number: 7471A Prep Method: 7471A MOD. Pre-prep:
Batch Start Date: 01/03/2010 Instrument: 62347

Analyte/Parameter	Result	Unit	MDL	PQL	RPR	RPR Limits		RPD	
						Min	Max	RPD	Max
Sample Type MERCURY	LCS 11.0	Lab Sample ID: P36511DQQ-HG LCS MG/KG	0.223	Lab: LANCAS 1.94	94	66	135		
Sample Type MERCURY	MB < 0.0114	Lab Sample ID: P36511DBB-HG MB MG/KG	0.0114	Lab: LANCAS 0.0992					
Sample Type MERCURY	MS 9.83	Lab Sample ID: 5869359-HG MS MG/KG	0.224	Lab: LANCAS 1.95	NC	80	120	NC	
Sample Type MERCURY	MSD 9.51	Lab Sample ID: 5869359-HG MSD MG/KG	0.224	Lab: LANCAS 1.95	NC	80	120	NC	20
Sample Type MERCURY	REP 8.63	Lab Sample ID: 5869359-HG REP MG/KG	0.219	Lab: LANCAS 1.90				12	20

The following field samples are included in this batch:

Sampleno	Datesmpl	Lab Id	Lab
POM-S-536-325(0.0-0.5)	12/18/2009	5869359-HG FS	LANCAS
POM-S-536-325(0.0-0.5)-DUP	12/18/2009	5869363-HG FS	LANCAS
POM-S-536-329(0.0-0.5)	12/18/2009	5869351-HG FS	LANCAS
POM-S-536-329(3.0-3.5)	12/18/2009	5869353-HG FS	LANCAS
POM-S-536-330(0.0-0.5)	12/17/2009	5869343-HG FS	LANCAS

Batch Identifier 262310 7471A MOD. 7471A 31-DEC-09 093645711002 62347

Method Number: 7471A Prep Method: 7471A MOD. Pre-prep:
Batch Start Date: 12/31/2009 Instrument: 62347

Analyte/Parameter	Result	Unit	MDL	PQL	RPR	RPR Limits		RPD	
						Min	Max	RPD	Max
Sample Type MERCURY	LCS 11.2	Lab Sample ID: P36411BQQ-HG LCS MG/KG	0.219	Lab: LANCAS 1.91	96	66	135		
Sample Type MERCURY	MB < 0.0112	Lab Sample ID: P36411BBB-HG MB MG/KG	0.0112	Lab: LANCAS 0.0972					
Sample Type MERCURY	MS 0.169	Lab Sample ID: 5869337-HG MS MG/KG	0.0109	Lab: LANCAS 0.0949	98	80	120		
Sample Type MERCURY	MSD 0.158	Lab Sample ID: 5869337-HG MSD MG/KG	0.0109	Lab: LANCAS 0.0949	91	80	120	7	20
Sample Type MERCURY	REP 0.0142	Lab Sample ID: 5869337-HG REP MG/KG	0.0114	Lab: LANCAS 0.0993				3	20

The following field samples are included in this batch:

Sampleno	Datesmpl	Lab Id	Lab
POM-S-536-251(6.0-6.5)	12/17/2009	5869337-HG FS	LANCAS
POM-S-536-253(6.0-6.5)	12/17/2009	5869338-HG FS	LANCAS

ANALYTICAL RESULTS

Prepared for:

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Prepared by:

Lancaster Laboratories
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December 29, 2009

Project: POM - DELTA UPLANDS

Samples arrived at the laboratory on Thursday, December 17, 2009. The PO# for this group is LBIO-66380 and the release number is LA28382. The group number for this submittal is 1175770.

<u>Client Sample Description</u>	<u>Lancaster Labs (LLI) #</u>
POM-S-536-33D(1.0-1.5) Soil Sample	5867665
POM-S-536-33D(2.0-2.5) Soil Sample	5867666
POM-S-536-315(1.0-1.5) Soil Sample	5867667
POM-S-536-315(7.0-7.5) Soil Sample	5867668
POM-S-536-313(6.0-6.5) Soil Sample	5867669
POM-S-536-283(0.0-0.5) Soil Sample	5867670
POM-S-536-301(0.0-0.5) Soil Sample	5867671
POM-S-536-34D(5.0-5.5) Soil Sample	5867672
POM-S-536-31D(2.0-2.5) Soil Sample	5867673
POM-S-536-238(3.0-3.5) Soil Sample	5867674
POM-S-536-239(3.0-3.5) Soil Sample	5867675
POM-S-536-240(3.0-3.5) Soil Sample	5867676
POM-S-536-241(3.0-3.5) Soil Sample	5867677
POM-S-536-242(1.5-2.0) Soil Sample	5867678
POM-S-536-247(0.0-0.5) Soil Sample	5867679
POM-S-536-246(0.0-0.5) Soil Sample	5867680
POM-S-536-248(0.0-0.5) Unspiked Soil Sample	5867681
POM-S-536-248(0.0-0.5)-MS Matrix Spike Soil Sample	5867682
POM-S-536-248(0.0-0.5)-MSD Matrix Spike Dup Soil	5867683
POM-S-536-248(0.0-0.5) Duplicate Soil Sample	5867684
POM-S-536-248(0.0-0.5)-DUP Soil Sample	5867685
POM-S-536-249(0.0-0.5) Soil Sample	5867686
POM-S-536-310(3.0-3.5) Soil Sample	5867687

POM-S-536-310(6.0-6.5) Soil Sample	5867688
POM-K-536-EQBLK9 Blank Water Sample	5867689
POM-K-536-EQBLK10 Blank Water Sample	5867690
POM-K-536-EQBLK11 Blank Water Sample	5867691

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

ELECTRONIC COPY TO	URS Corporation	Attn: George Nemeth
ELECTRONIC COPY TO	LLI	Attn: EDD Group
1 COPY TO	Data Package Group	

Questions? Contact your Client Services Representative
Nancy J Bornholm at (717) 656-2300

Respectfully Submitted,



Max E. Snavelly
Senior Specialist



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-33D(1.0-1.5) Soil Sample
DELTA UPLANDS 12/14/09

LLI Sample # SW 5867665
LLI Group # 1175770
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/14/2009 11:05 by GN

Account Number: 07032

Submitted: 12/17/2009 09:20
Reported: 12/29/2009 at 13:38
Discard: 01/29/2010

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URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

PD33D SDG#: DLN28-01

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010B	mg/kg	mg/kg	mg/kg	
06955	Lead	7439-92-1	394	0.688	1.72	1
	The matrix spike and matrix spike duplicate were out of specification for lead. The recovery of the post digestion spike performed on the background sample was 85%.					
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	16.2	0.50	0.50	1
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.					

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	093525708010	12/29/2009 01:07	Tara L Snyder	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	093525708010	12/20/2009 21:00	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	09356820003A	12/22/2009 16:45	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-33D(2.0-2.5) Soil Sample
DELTA UPLANDS 12/14/09

LLI Sample # SW 5867666
LLI Group # 1175770
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/14/2009 11:10 by GN

Account Number: 07032

Submitted: 12/17/2009 09:20
Reported: 12/29/2009 at 13:38
Discard: 01/29/2010

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Newark DE 19713

PD-33 SDG#: DLN28-02

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 7471A	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	12.3	0.240	2.09	20
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	8.9	0.50	0.50	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.						

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	093525711007	12/22/2009 16:09	Nelli S Markaryan	20
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	093525711007	12/20/2009 23:55	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	09356820003A	12/22/2009 16:45	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-315(1.0-1.5) Soil Sample
DELTA UPLANDS 12/14/09

LLI Sample # SW 5867667
LLI Group # 1175770
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/14/2009 12:20 by GN

Account Number: 07032

Submitted: 12/17/2009 09:20
Reported: 12/29/2009 at 13:38
Discard: 01/29/2010

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Newark DE 19713

PD315 SDG#: DLN28-03

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010B	mg/kg	mg/kg	mg/kg	
06955	Lead	7439-92-1	478	0.818	2.05	1
	The matrix spike and matrix spike duplicate were out of specification for lead. The recovery of the post digestion spike performed on the background sample was 85%.					
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	28.1	0.50	0.50	1
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.					

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	093525708010	12/29/2009 01:10	Tara L Snyder	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	093525708010	12/20/2009 21:00	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	09356820003A	12/22/2009 16:45	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-315(7.0-7.5) Soil Sample
DELTA UPLANDS 12/14/09

LLI Sample # SW 5867668
LLI Group # 1175770
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/14/2009 12:30 by GN

Account Number: 07032

Submitted: 12/17/2009 09:20
Reported: 12/29/2009 at 13:38
Discard: 01/29/2010

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Iron Hill Corporate Center
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Newark DE 19713

P-315 SDG#: DLN28-04

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 7471A	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	1.74	0.0389	0.338	1
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	70.9	0.50	0.50	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.						

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	093525711007	12/22/2009 15:38	Nelli S Markaryan	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	093525711007	12/20/2009 23:55	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	09356820003A	12/22/2009 16:45	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-313(6.0-6.5) Soil Sample
DELTA UPLANDS 12/14/09

LLI Sample # SW 5867669
LLI Group # 1175770
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/14/2009 16:10 by GN

Account Number: 07032

Submitted: 12/17/2009 09:20
Reported: 12/29/2009 at 13:38
Discard: 01/29/2010

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Newark DE 19713

PD313 SDG#: DLN28-05

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010B	mg/kg	mg/kg	mg/kg	
06955	Lead	7439-92-1	245	1.87	4.67	1
	The matrix spike and matrix spike duplicate were out of specification for lead. The recovery of the post digestion spike performed on the background sample was 85%.					
		SW-846 7471A	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	61.1	1.69	14.7	50
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	68.2	0.50	0.50	1
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.					

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	093525708010	12/29/2009 01:18	Tara L Snyder	1
00159	Mercury	SW-846 7471A	1	093525711007	12/22/2009 16:15	Nelli S Markaryan	50
05708	SW SW846 ICP Digest	SW-846 3050B	1	093525708010	12/20/2009 21:00	Annamaria Stipkovits	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	093525711007	12/20/2009 23:55	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	09356820003A	12/22/2009 16:45	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: POM-S-536-283(0.0-0.5) Soil Sample
DELTA UPLANDS 12/14/09

LLI Sample # SW 5867670
LLI Group # 1175770
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/14/2009 16:34 by GN

Account Number: 07032

Submitted: 12/17/2009 09:20
Reported: 12/29/2009 at 13:38
Discard: 01/29/2010

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Newark DE 19713

PD283 SDG#: DLN28-06

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010B	mg/kg	mg/kg	mg/kg	
06955	Lead	7439-92-1	311	2.14	5.36	1
	The matrix spike and matrix spike duplicate were out of specification for lead. The recovery of the post digestion spike performed on the background sample was 85%.					
		SW-846 7471A	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	25.9	0.810	7.05	20
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	72.3	0.50	0.50	1
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.					

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	093525708010	12/29/2009 01:21	Tara L Snyder	1
00159	Mercury	SW-846 7471A	1	093525711007	12/22/2009 16:20	Nelli S Markaryan	20
05708	SW SW846 ICP Digest	SW-846 3050B	1	093525708010	12/20/2009 21:00	Annamaria Stipkovits	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	093525711007	12/20/2009 23:55	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	09356820003A	12/22/2009 16:45	Scott W Freisher	1



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-301(0.0-0.5) Soil Sample
DELTA UPLANDS 12/14/09

LLI Sample # SW 5867671
LLI Group # 1175770
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/15/2009 10:20 by GN

Account Number: 07032

Submitted: 12/17/2009 09:20
Reported: 12/29/2009 at 13:38
Discard: 01/29/2010

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4051 Ogletown Road, Suite 300
Newark DE 19713

PD301 SDG#: DLN28-07

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals			SW-846 6010B	mg/kg	mg/kg	mg/kg
06955	Lead	7439-92-1	145	0.694	1.74	1
	The matrix spike and matrix spike duplicate were out of specification for lead. The recovery of the post digestion spike performed on the background sample was 85%.					
06936	Selenium	7782-49-2	N.D.	1.13	2.31	1
Wet Chemistry			SM20 2540 G	%	%	%
00111	Moisture	n.a.	16.1	0.50	0.50	1
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.					

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	093525708010	12/29/2009 01:24	Tara L Snyder	1
06936	Selenium	SW-846 6010B	1	093525708010	12/29/2009 01:24	Tara L Snyder	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	093525708010	12/20/2009 21:00	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	09356820003A	12/22/2009 16:45	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-34D(5.0-5.5) Soil Sample
DELTA UPLANDS 12/14/09

LLI Sample # SW 5867672
LLI Group # 1175770
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/15/2009 11:20 by GN

Account Number: 07032

Submitted: 12/17/2009 09:20
Reported: 12/29/2009 at 13:38
Discard: 01/29/2010

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Newark DE 19713

PD34D SDG#: DLN28-08

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010B	mg/kg	mg/kg	mg/kg	
06955	Lead	7439-92-1	181	2.40	6.00	1
	The matrix spike and matrix spike duplicate were out of specification for lead. The recovery of the post digestion spike performed on the background sample was 85%.					
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	75.5	0.50	0.50	1
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.					

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	093525708010	12/29/2009 01:27	Tara L Snyder	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	093525708010	12/20/2009 21:00	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	09356820003A	12/22/2009 16:45	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-31D(2.0-2.5) Soil Sample
DELTA UPLANDS 12/14/09

LLI Sample # SW 5867673
LLI Group # 1175770
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/15/2009 11:45 by GN

Account Number: 07032

Submitted: 12/17/2009 09:20
Reported: 12/29/2009 at 13:38
Discard: 01/29/2010

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URS Corporation
Iron Hill Corporate Center
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PD31D SDG#: DLN28-09

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010B	mg/kg	mg/kg	mg/kg	
06955	Lead	7439-92-1	391	0.699	1.75	1
	The matrix spike and matrix spike duplicate were out of specification for lead. The recovery of the post digestion spike performed on the background sample was 85%.					
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	15.8	0.50	0.50	1
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.					

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	093525708010	12/29/2009 01:30	Tara L Snyder	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	093525708010	12/20/2009 21:00	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	09356820003A	12/22/2009 16:45	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-238(3.0-3.5) Soil Sample
DELTA UPLANDS 12/14/09

LLI Sample # SW 5867674
LLI Group # 1175770
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/15/2009 13:30 by GN

Account Number: 07032

Submitted: 12/17/2009 09:20
Reported: 12/29/2009 at 13:38
Discard: 01/29/2010

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URS Corporation
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Newark DE 19713

PD238 SDG#: DLN28-10

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010B	mg/kg	mg/kg	mg/kg	
06955	Lead	7439-92-1	80.4	0.606	1.52	1
	The matrix spike and matrix spike duplicate were out of specification for lead. The recovery of the post digestion spike performed on the background sample was 85%.					
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	2.0	0.50	0.50	1
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.					

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	093525708010	12/29/2009 01:33	Tara L Snyder	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	093525708010	12/20/2009 21:00	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	09356820003A	12/22/2009 16:45	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-239(3.0-3.5) Soil Sample
DELTA UPLANDS 12/14/09

LLI Sample # SW 5867675
LLI Group # 1175770
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/15/2009 14:00 by GN

Account Number: 07032

Submitted: 12/17/2009 09:20
Reported: 12/29/2009 at 13:38
Discard: 01/29/2010

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URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

PD239 SDG#: DLN28-11

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010B	mg/kg	mg/kg	mg/kg	
06955	Lead	7439-92-1	44.8	0.644	1.61	1
	The matrix spike and matrix spike duplicate were out of specification for lead. The recovery of the post digestion spike performed on the background sample was 85%.					
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	9.5	0.50	0.50	1
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.					

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	093525708010	12/29/2009 01:36	Tara L Snyder	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	093525708010	12/20/2009 21:00	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	09356820003B	12/22/2009 16:45	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-240(3.0-3.5) Soil Sample
DELTA UPLANDS 12/14/09

LLI Sample # SW 5867676
LLI Group # 1175770
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/15/2009 14:20 by GN

Account Number: 07032

Submitted: 12/17/2009 09:20
Reported: 12/29/2009 at 13:38
Discard: 01/29/2010

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Newark DE 19713

PD240 SDG#: DLN28-12

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010B	mg/kg	mg/kg	mg/kg	
06955	Lead	7439-92-1	20.6	0.617	1.54	1
	The matrix spike and matrix spike duplicate were out of specification for lead. The recovery of the post digestion spike performed on the background sample was 85%.					
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	5.6	0.50	0.50	1
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.					

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	093525708010	12/29/2009 01:38	Tara L Snyder	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	093525708010	12/20/2009 21:00	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	09356820003B	12/22/2009 16:45	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-241(3.0-3.5) Soil Sample
DELTA UPLANDS 12/14/09

LLI Sample # SW 5867677
LLI Group # 1175770
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/15/2009 14:55 by GN

Account Number: 07032

Submitted: 12/17/2009 09:20
Reported: 12/29/2009 at 13:38
Discard: 01/29/2010

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Iron Hill Corporate Center
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Newark DE 19713

PD241 SDG#: DLN28-13

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010B	mg/kg	mg/kg	mg/kg	
06955	Lead	7439-92-1	241	0.639	1.60	1
	The matrix spike and matrix spike duplicate were out of specification for lead. The recovery of the post digestion spike performed on the background sample was 85%.					
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	7.0	0.50	0.50	1
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.					

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	093525708010	12/29/2009 01:41	Tara L Snyder	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	093525708010	12/20/2009 21:00	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	09356820003B	12/22/2009 16:45	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-242(1.5-2.0) Soil Sample
DELTA UPLANDS 12/14/09

LLI Sample # SW 5867678
LLI Group # 1175770
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/15/2009 15:10 by GN

Account Number: 07032

Submitted: 12/17/2009 09:20
Reported: 12/29/2009 at 13:38
Discard: 01/29/2010

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PD242 SDG#: DLN28-14

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010B	mg/kg	mg/kg	mg/kg	
06955	Lead	7439-92-1	348	0.627	1.57	1
	The matrix spike and matrix spike duplicate were out of specification for lead. The recovery of the post digestion spike performed on the background sample was 85%.					
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	7.1	0.50	0.50	1
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.					

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	093525708010	12/29/2009 01:44	Tara L Snyder	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	093525708010	12/20/2009 21:00	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	09356820003B	12/22/2009 16:45	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-247(0.0-0.5) Soil Sample
DELTA UPLANDS 12/14/09

LLI Sample # SW 5867679
LLI Group # 1175770
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/16/2009 09:05 by GN

Account Number: 07032

Submitted: 12/17/2009 09:20
Reported: 12/29/2009 at 13:38
Discard: 01/29/2010

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Newark DE 19713

PD247 SDG#: DLN28-15

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010B	mg/kg	mg/kg	mg/kg	
06955	Lead	7439-92-1	208	0.843	2.11	1
	The matrix spike and matrix spike duplicate were out of specification for lead. The recovery of the post digestion spike performed on the background sample was 85%.					
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	30.9	0.50	0.50	1
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.					

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	093525708010	12/29/2009 01:53	Tara L Snyder	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	093525708010	12/20/2009 21:00	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	09356820003B	12/22/2009 16:45	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-246(0.0-0.5) Soil Sample
DELTA UPLANDS 12/14/09

LLI Sample # SW 5867680
LLI Group # 1175770
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/16/2009 09:00 by GN

Account Number: 07032

Submitted: 12/17/2009 09:20
Reported: 12/29/2009 at 13:38
Discard: 01/29/2010

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PD246 SDG#: DLN28-16

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010B	mg/kg	mg/kg	mg/kg	
06955	Lead	7439-92-1	297	0.893	2.23	1
	The matrix spike and matrix spike duplicate were out of specification for lead. The recovery of the post digestion spike performed on the background sample was 85%.					
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	34.1	0.50	0.50	1
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.					

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	093525708010	12/29/2009 01:56	Tara L Snyder	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	093525708010	12/20/2009 21:00	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	09356820003B	12/22/2009 16:45	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-248(0.0-0.5) Unspiked Soil Sample
DELTA UPLANDS 12/14/09

LLI Sample # SW 5867681
LLI Group # 1175770
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/16/2009 09:10 by GN

Account Number: 07032

Submitted: 12/17/2009 09:20
Reported: 12/29/2009 at 13:38
Discard: 01/29/2010

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PD248 SDG#: DLN28-17BKG

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010B	mg/kg	mg/kg	mg/kg	
06955	Lead	7439-92-1	227	0.892	2.23	1
	The matrix spike and matrix spike duplicate were out of specification for lead. The recovery of the post digestion spike performed on the background sample was 85%.					
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	32.7	0.50	0.50	1
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.					

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	093525708010	12/29/2009 00:49	Tara L Snyder	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	093525708010	12/20/2009 21:00	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	09356820003B	12/22/2009 16:45	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-248(0.0-0.5)-MS Matrix Spike Soil Sample
DELTA UPLANDS 12/14/09

LLI Sample # SW 5867682
LLI Group # 1175770
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/16/2009 09:10 by GN

Account Number: 07032

Submitted: 12/17/2009 09:20
Reported: 12/29/2009 at 13:38
Discard: 01/29/2010

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PD248 SDG#: DLN28-17MS

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals			SW-846 6010B	mg/kg	mg/kg	mg/kg
06955	Lead	7439-92-1	268	0.892	2.23	1
The matrix spike and matrix spike duplicate were out of specification for lead. The recovery of the post digestion spike performed on the background sample was 85%.						
Wet Chemistry			SM20 2540 G	%	%	%
00118	Moisture	n.a.	32.7	0.50	0.50	1

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	093525708010	12/29/2009 00:58	Tara L Snyder	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	093525708010	12/20/2009 21:00	Annamaria Stipkovits	1
00118	Moisture	SM20 2540 G	1	09356820003B	12/22/2009 16:45	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-248(0.0-0.5)-MSD Matrix Spike Dup Soil
Sample
DELTA UPLANDS 12/14/09

LLI Sample # SW 5867683
LLI Group # 1175770
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/16/2009 09:10 by GN

Account Number: 07032

Submitted: 12/17/2009 09:20
Reported: 12/29/2009 at 13:38
Discard: 01/29/2010

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PD248 SDG#: DLN28-17MSD

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010B	mg/kg	mg/kg	mg/kg	
06955	Lead	7439-92-1	260	0.892	2.23	1
	The matrix spike and matrix spike duplicate were out of specification for lead. The recovery of the post digestion spike performed on the background sample was 85%.					
Wet Chemistry						
		SM20 2540 G	%	%	%	
00118	Moisture	n.a.	32.7	0.50	0.50	1

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	093525708010	12/29/2009 01:01	Tara L Snyder	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	093525708010	12/20/2009 21:00	Annamaria Stipkovits	1
00118	Moisture	SM20 2540 G	1	09356820003B	12/22/2009 16:45	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: POM-S-536-248(0.0-0.5) Duplicate Soil Sample
DELTA UPLANDS 12/14/09

LLI Sample # SW 5867684
LLI Group # 1175770
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/16/2009 09:10 by GN

Account Number: 07032

Submitted: 12/17/2009 09:20
 Reported: 12/29/2009 at 13:38
 Discard: 01/29/2010

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PD248 SDG#: DLN28-17DUP

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals			SW-846 6010B	mg/kg	mg/kg	mg/kg
06955	Lead	7439-92-1	234	0.892	2.23	1
The matrix spike and matrix spike duplicate were out of specification for lead. The recovery of the post digestion spike performed on the background sample was 85%.						
Wet Chemistry			SM20 2540 G	%	%	%
00118	Moisture	n.a.	32.7	0.50	0.50	1
00121	Moisture Duplicate	n.a.	33.0	0.50	0.50	1
The duplicate moisture value is provided to assess the precision of the moisture test. For comparability purposes, the initial moisture determination is the value used to perform dry weight calculations.						

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	093525708010	12/29/2009 00:55	Tara L Snyder	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	093525708010	12/20/2009 21:00	Annamaria Stipkovits	1
00118	Moisture	SM20 2540 G	1	09356820003B	12/22/2009 16:45	Scott W Freisher	1
00121	Moisture Duplicate	SM20 2540 G	1	09356820003B	12/22/2009 16:45	Scott W Freisher	1



Analysis Report

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Sample Description: POM-S-536-248(0.0-0.5)-DUP Soil Sample
DELTA UPLANDS 12/14/09

LLI Sample # SW 5867685
LLI Group # 1175770
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/16/2009 09:10 by GN

Account Number: 07032

Submitted: 12/17/2009 09:20
Reported: 12/29/2009 at 13:38
Discard: 01/29/2010

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P248D SDG#: DLN28-18FD

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010B	mg/kg	mg/kg	mg/kg	
06955	Lead	7439-92-1	225	0.869	2.17	1
	The matrix spike and matrix spike duplicate were out of specification for lead. The recovery of the post digestion spike performed on the background sample was 85%.					
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	33.0	0.50	0.50	1
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.					

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	093525708010	12/29/2009 01:58	Tara L Snyder	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	093525708010	12/20/2009 21:00	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	09356820003B	12/22/2009 16:45	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-249(0.0-0.5) Soil Sample
DELTA UPLANDS 12/14/09

LLI Sample # SW 5867686
LLI Group # 1175770
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/16/2009 09:15 by GN

Account Number: 07032

Submitted: 12/17/2009 09:20
Reported: 12/29/2009 at 13:38
Discard: 01/29/2010

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Newark DE 19713

PD249 SDG#: DLN28-19

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010B	mg/kg	mg/kg	mg/kg	
06955	Lead	7439-92-1	257	1.14	2.86	1
	The matrix spike and matrix spike duplicate were out of specification for lead. The recovery of the post digestion spike performed on the background sample was 85%.					
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	48.0	0.50	0.50	1
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.					

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	093525708010	12/29/2009 02:01	Tara L Snyder	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	093525708010	12/20/2009 21:00	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	09356820003B	12/22/2009 16:45	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-310(3.0-3.5) Soil Sample
DELTA UPLANDS 12/14/09

LLI Sample # SW 5867687
LLI Group # 1175770
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/16/2009 10:00 by GN

Account Number: 07032

Submitted: 12/17/2009 09:20
Reported: 12/29/2009 at 13:38
Discard: 01/29/2010

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Newark DE 19713

PD310 SDG#: DLN28-20

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010B	mg/kg	mg/kg	mg/kg	
06955	Lead	7439-92-1	199	0.650	1.62	1
	The matrix spike and matrix spike duplicate were out of specification for lead. The recovery of the post digestion spike performed on the background sample was 85%.					
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	11.2	0.50	0.50	1
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.					

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	093525708010	12/29/2009 02:04	Tara L Snyder	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	093525708010	12/20/2009 21:00	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	09356820003B	12/22/2009 16:45	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-310(6.0-6.5) Soil Sample
DELTA UPLANDS 12/14/09

LLI Sample # SW 5867688
LLI Group # 1175770
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/16/2009 10:10 by GN

Account Number: 07032

Submitted: 12/17/2009 09:20
Reported: 12/29/2009 at 13:38
Discard: 01/29/2010

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

P310- SDG#: DLN28-21

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 7471A	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.174	0.0159	0.139	1
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	30.7	0.50	0.50	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.						

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	093525711007	12/22/2009 15:43	Nelli S Markaryan	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	093525711007	12/20/2009 23:55	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	09356820004A	12/22/2009 16:10	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-K-536-EQBLK9 Blank Water Sample
DELTA UPLANDS 12/14/09

LLI Sample # WW 5867689
LLI Group # 1175770
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/14/2009 16:15 by GN

Account Number: 07032

Submitted: 12/17/2009 09:20
Reported: 12/29/2009 at 13:38
Discard: 01/29/2010

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

PDEB9 SDG#: DLN28-22EB

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals						
07055	Lead	SW-846 6010B 7439-92-1	mg/l N.D.	mg/l 0.0069	mg/l 0.0150	1
00259	Mercury	SW-846 7470A 7439-97-6	mg/l N.D.	mg/l 0.000056	mg/l 0.00020	1

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	093555705001	12/27/2009 09:21	Damary Valentin	1
00259	Mercury	SW-846 7470A	1	093555713005	12/23/2009 07:49	Damary Valentin	1
05705	WW/TL SW 846 ICP Digest (tot)	SW-846 3010A	1	093555705001	12/21/2009 22:30	Mirit S Shenouda	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	093555713005	12/21/2009 23:30	Mirit S Shenouda	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-K-536-EQBLK10 Blank Water Sample
DELTA UPLANDS 12/14/09

LLI Sample # WW 5867690
LLI Group # 1175770
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/15/2009 15:15 by GN

Account Number: 07032

Submitted: 12/17/2009 09:20
Reported: 12/29/2009 at 13:38
Discard: 01/29/2010

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

PDE10 SDG#: DLN28-23EB

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals			mg/l	mg/l	mg/l	
07055	Lead	7439-92-1	N.D.	0.0069	0.0150	1
07036	Selenium	7782-49-2	N.D.	0.0089	0.0200	1

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	093555705001	12/27/2009 09:24	Damary Valentin	1
07036	Selenium	SW-846 6010B	1	093555705001	12/27/2009 09:24	Damary Valentin	1
05705	WW/TL SW 846 ICP Digest (tot)	SW-846 3010A	1	093555705001	12/21/2009 22:30	Mirit S Shenouda	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-K-536-EQBLK11 Blank Water Sample
DELTA UPLANDS 12/14/09

LLI Sample # WW 5867691
LLI Group # 1175770
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/16/2009 15:20 by GN

Account Number: 07032

Submitted: 12/17/2009 09:20
Reported: 12/29/2009 at 13:38
Discard: 01/29/2010

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

PDE11 SDG#: DLN28-24EB*

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals						
07055	Lead	SW-846 6010B 7439-92-1	mg/l N.D.	mg/l 0.0069	mg/l 0.0150	1
00259	Mercury	SW-846 7470A 7439-97-6	mg/l N.D.	mg/l 0.000056	mg/l 0.00020	1

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	093555705001	12/27/2009 09:27	Damary Valentin	1
00259	Mercury	SW-846 7470A	1	093555713005	12/23/2009 07:50	Damary Valentin	1
05705	WW/TL SW 846 ICP Digest (tot)	SW-846 3010A	1	093555705001	12/21/2009 22:30	Mirit S Shenouda	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	093555713005	12/21/2009 23:30	Mirit S Shenouda	1

*=This limit was used in the evaluation of the final result

Quality Control Summary

 Client Name: CRG-E.I.DuPont de Nemours & Co
 Reported: 12/29/09 at 01:38 PM

Group Number: 1175770

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: 093525708010	Sample number(s): 5867665,5867667,5867669-5867687								
Lead	N.D.	0.600	1.50	mg/kg	98		85-114		
Selenium	N.D.	0.980	2.00	mg/kg	104		90-109		
Batch number: 093525711007	Sample number(s): 5867666,5867668-5867670,5867688								
Mercury	N.D.	0.0113	0.0986	mg/kg	100		66-135		
Batch number: 093555705001	Sample number(s): 5867689-5867691								
Lead	N.D.	0.0069	0.0150	mg/l	100		80-120		
Selenium	N.D.	0.0089	0.0200	mg/l	105		80-120		
Batch number: 093555713005	Sample number(s): 5867689,5867691								
Mercury	N.D.	0.00005	0.00020	mg/l	88		80-120		
		6							
Batch number: 09356820003A	Sample number(s): 5867665-5867674								
Moisture					100		99-101		
Batch number: 09356820003B	Sample number(s): 5867675-5867687								
Moisture					100		99-101		
Moisture					100		99-101		
Moisture Duplicate					100		99-101		
Batch number: 09356820004A	Sample number(s): 5867688								
Moisture					100		99-101		

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
 Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>RPD MAX</u>	<u>BKG Conc</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>
Batch number: 093525708010	Sample number(s): 5867665,5867667,5867669-5867687 UNSPK: 5867681 BKG: 5867681								
Lead	185 (2)	146 (2)	75-125	3	20	153	157	3	20
Selenium	111	111	75-125	1	20	N.D.	N.D.	0 (1)	20
Batch number: 093525711007	Sample number(s): 5867666,5867668-5867670,5867688 UNSPK: 5867666 BKG: 5867666								
Mercury	534 (2)	592 (2)	80-120	1	20	11.2	11.8	5	20
Batch number: 093555705001	Sample number(s): 5867689-5867691 UNSPK: P866694 BKG: P866694								
Lead	89	92	75-125	3	20	0.0129 J	0.0135 J	4 (1)	20
Selenium	105	107	75-125	2	20	N.D.	N.D.	0 (1)	20

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/29/09 at 01:38 PM

Group Number: 1175770

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>RPD MAX</u>	<u>BKG Conc</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>
Batch number: 093555713005 Mercury	Sample number(s): 5867689,5867691 105	105	80-120	0	20	UNSPK: P867996 N.D.	BKG: P867996 N.D.	0 (1)	20
Batch number: 09356820003A Moisture	Sample number(s): 5867665-5867674					BKG: 5867668 70.9	71.0	0	15
Batch number: 09356820003B Moisture	Sample number(s): 5867675-5867687					BKG: 5867681 32.7	33.0	1	15
Moisture						32.7	33.0	1	15
Moisture Duplicate						32.7	33.0	1	15
Batch number: 09356820004A Moisture	Sample number(s): 5867688					BKG: P869344 43.0	38.6	11	15

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

For Lancaster Laboratories Use Only

Group No.: 1175770 Sample Nos.: 5867665-91 13022 **15045**
 Acc't: 07032 SCR No.: 84773 Cooler No.: 4
 Cooler Temperature upon receipt: 44 °C Container No.: 4

Facility Name: Pompton Lakes	Project Manager: Marj Vetter	Analyses Required	Moisture (SM20 2540 G)
Facility Contact: George Nemeth	Facility Contact Phone No.: 973-492-7735		
Facility Address: Pompton Lakes Works	Job No.: 9267-7720100C-WH06507906		
2000 Cannonball Road	Release No.: LA28382		
Pompton Lakes NJ 07442	PO Number: LBIO-66380		
Sampler(s): <u>George Nemeth / Dan Youngblood</u>			
Project Name: DELTA UPLANDS 12/14/09			

Sample Identification	Date Collected	Time Collected	Matrix	Containers			Moisture (SM20 2540 G)	Cu (6010)	Pb (6010)	Se (6010)	Hg (7471)	Condition upon receipt:
				Volume (ml)	Preserv	No.						
POM-S-536-33D (1.0-1.5)	12/14/09	1105	SW	125	None	1	X	X				Inkub
POM-S-536-33D (2.0-2.5)	↓	1110	SW	125	None	1	X		X			
POM-S-536-315 (1.0-1.5)	↓	1220	SW	125	None	1	X	X				
POM-S-536-315 (7.0-7.5)	↓	1230	SW	125	None	1	X		X			
POM-S-536-313 (6.0-6.5)	↓	1610	SW	125	None	1	X	X	X			
POM-S-536-283 (0.0-0.5)	↓	1634	SW	125	None	1	X	X	X			
POM-S-536-301 (0.0-0.5)	12/15/09	1020	SW	125	None	1	X	X	X			
POM-S-536-34D (5.0-5.5)	↓	1120	SW	125	None	1	X	X				
POM-S-536-31D (2.0-2.5)	↓	1145	SW	125	None	1	X	X				
POM-S-536-238 (3.0-3.5)	↓	1330	SW	125	None	1	X	X				

Turnaround Time Requested (please circle): <u>Normal</u> Rush Number of days: _____			Special Instructions:		
Bottles Relinquished by: <u>George Nemeth</u>	Date: <u>12/16/09</u>	Time: <u>1515</u>	Bottles Received by: _____	Date: _____	Time: _____
Bottles Relinquished by:	Date:	Time:	Bottles Received by:	Date:	Time:
Bottles Relinquished by:	Date:	Time:	Bottles Received by:	Date:	Time:
Bottles Relinquished by:	Date:	Time:	Bottles Received by:	Date:	Time:

For Lancaster Laboratories Use Only

Group No.: 1175770 Sample Nos.: 5867665-91 3022
 Acc't: 07032 SCR No.: 84773 Cooler No.: 15045
 Cooler Temperature upon receipt: 4.4 °C Container No.: 4

Facility Name: Pompton Lakes		Project Manager: Marj Vetter			Analyses Required										Comments:											
Facility Contact: George Nemeth		Facility Contact Phone No.: 973-492-7735																								
Facility Address: Pompton Lakes Works		Job No.: 9267-7720100C-WH06507906																								
2000 Cannonball Road		Release No.: LA28382																								
Pompton Lakes NJ 07442		PO Number: LBIO-66380																								
Sampler(s): <u>George Nemeth / Dan Youngblood</u>																										
Project Name: DELTA UPLANDS 12/14/09																										
Sample Identification	Date Collected	Time Collected	Matrix	Containers			Moisture (SM20 2540 G)	Cu (6010)	Pb (6010)	Se (6010)	Hg (7471)											Condition upon receipt: <u>Inlet</u>				
				Volume (ml)	Preserv	No.																				
POM-S-536- <u>239 (3.0-3.5)</u>	<u>12/15/09</u>	<u>1400</u>	SW	125	None	1	X	X																		
POM-S-536- <u>240 (3.0-3.5)</u>		<u>1420</u>	SW	125	None	1	X	X																		
POM-S-536- <u>241 (3.0-3.5)</u>		<u>1455</u>	SW	125	None	1	X	X																		
POM-S-536- <u>242 (1.5-2.0)</u>		<u>1510</u>	SW	125	None	1	X	X																		
POM-S-536- <u>247 (0.0-0.5)</u>	<u>12/16/09</u>	<u>0905</u>	SW	125	None	1	X	X																		
POM-S-536- <u>246 (0.0-0.5)</u>		<u>0900</u>	SW	125	None	1	X	X																		
POM-S-536- <u>248 (0.0-0.5)</u>		<u>0910</u>	SW	125	None	1	X	X																		
POM-S-536- <u>249 (0.0-0.5)</u>		<u>0915</u>	SW	125	None	1	X	X																		
POM-S-536- <u>310 (3.0-3.5)</u>		<u>1000</u>	SW	125	None	1	X	X																		
POM-S-536- <u>310 (6.0-6.5)</u>		<u>1010</u>	SW	125	None	1	X				X															
Turnaround Time Requested (please circle): <u>Normal</u> Rush Number of days: _____							Special Instructions:																			
Bottles Relinquished by: <u>George Nemeth</u>	Date: <u>12/16/09</u>	Time: <u>1515</u>	Bottles Received by:			Date:	Time:																			
Bottles Relinquished by:	Date:	Time:	Bottles Received by:			Date:	Time:																			
Bottles Relinquished by:	Date:	Time:	Bottles Received by:			Date:	Time:																			
Bottles Relinquished by:	Date:	Time:	Bottles Received by: <u>Dan Youngblood</u>			Date: <u>12/17/09</u>	Time: <u>920</u>																			



Analysis Request / Environmental Services Chain of Custody

4 of 5

For Lancaster Laboratories Use Only

Group No.: 1175170 Sample Nos.: 5867665-91 13022
 Acc't: 07032 SCR No.: 84773 Cooler No.: 15046
 Cooler Temperature upon receipt: 4.5 °C Container No.: 4

Facility Name: Pompton Lakes	Project Manager: Marj Vetter	Analyses Required	Comments:
Facility Contact: George Nemeth	Facility Contact Phone No.: 973-492-7735		
Facility Address: Pompton Lakes Works	Job No.: 9267-7720100C-WH06507906		
2000 Cannonball Road	Release No.: LA28382		
Pompton Lakes NJ 07442	PO Number: LBIO-66380		
Sampler(s): <u>George Nemeth / Dan Youngblood</u>			
Project Name: DELTA UPLANDS 12/14/09			

Sample Identification	Date Collected	Time Collected	Matrix	Containers			Moisture (SM20 2540 G)	Cu (6010)	Pb (6010)	Se (6010)	Hg (7471)								Condition upon receipt:
				Volume (ml)	Preserv	No.													
POM-S-536- <u>248 (0.0-0.5)</u> -MS	<u>12/16/09</u>	<u>0910</u>	SW	125	None	1	X		X										<u>Intact</u>
POM-S-536- <u>248 (0.0-0.5)</u> -MSD	↓	↓	SW	125	None	1	X		X										
POM-S-536- <u>248 (0.0-0.5)</u> -DUP	↓	↓	SW	125	None	1	X		X										

Turnaround Time Requested (please circle): <u>Normal</u> Rush	Number of days: _____	Special Instructions:
Bottles Relinquished by: <u>George Nemeth</u>	Date: <u>12/16/09</u> Time: <u>1515</u>	Bottles Received by: _____
Bottles Relinquished by: _____	Date: _____ Time: _____	Bottles Received by: _____
Bottles Relinquished by: _____	Date: _____ Time: _____	Bottles Received by: _____
Bottles Relinquished by: _____	Date: _____ Time: _____	Bottles Received by: <u>Marj Vetter</u>
		Date: <u>12/17/09</u> Time: <u>920</u>

For Lancaster Laboratories Use Only

 Group No.: 1175710 Sample Nos.: 586760591
 Acc't: 07032 SCR No.: 84810 Cooler No.: C/2237 **15065**
 Cooler Temperature upon receipt: 4.4 °C Container No.: 4

Facility Name: Pompton Lakes	Project Manager: Marj Vetter	Analyses Required	Comments:
Facility Contact: George Nemeth	Facility Contact Phone No.: 973-492-7735		
Facility Address: Pompton Lakes Works	Job No.: 9267-7720100C-WH06507906		
2000 Cannonball Road	Release No.: LA28382		
Pompton Lakes NJ 07442	PO Number: LBIO-66380		
Sampler(s): <u>George Nemeth / Dan Youngblood</u>			
Project Name: DELTA UPLANDS 12/14/09		Condition upon receipt:	

Sample Identification	Date Collected	Time Collected	Matrix	Containers			Cu (6010)	Pb (6010)	Se (6010)	Hg (7470)												
				Volume (ml)	Preserv	No.																
POM-K-EQBLK 9	12/14/09	1615	ww	500	HNO3	1	X	X	X													
POM-K-EQBLK 10	12/15/09	1515	↓	↓	↓	1	X	X	X												NOT Hg (GN)	
POM-K-EQBLK 11	12/16/09	1520	↓	↓	↓	1	X	X	X													

Turnaround Time Requested (please circle): <u>Normal</u> Rush Number of days: _____				Special Instructions:			
Bottles Relinquished by: <u>Bottle Storage</u>	Date	Time	Bottles Received by: <u>George Nemeth</u>	Date:	Time:		
Bottles Relinquished by: <u>George Nemeth</u>	Date: <u>12/16/09</u>	Time: <u>1515</u>	Bottles Received by:	Date:	Time:		
Bottles Relinquished by:	Date:	Time:	Bottles Received by:	Date:	Time:		
Bottles Relinquished by:	Date:	Time:	Bottles Received by: <u>Marj Vetter</u>	Date: <u>12/17/09</u>	Time: <u>926</u>		



Environmental Sample Administration Receipt Documentation Log

Client/Project: Pompton Lakes
 Date of Receipt: 12/17/09
 Time of Receipt: 920
 Source Code: 507
 Unpacker Emp. No.: 2516

Shipping Container Sealed: YES NO
 Custody Seal Present * : YES NO
 * Custody seal was intact unless otherwise noted in the discrepancy section
 Package: Chilled Not Chilled

Temperature of Shipping Containers							
Cooler #	Thermometer ID	Temperature (°C)	Temp Bottle (TB) or Surface Temp (ST)	Wet Ice (WI) or Dry Ice (DI) or Ice Packs (IP)	Ice Present? Y/N	Loose (L) Bagged Ice (B) or NA	Comments
1	0125465	0.7°C	TB	WI	Y	B	
2	↓	0.4°C	↓	↓	↓	↓	
3	↓	1.0°C	↓	↓	↓	↓	
4	↓	4.4°C	↓	↓	↓	↓	
5	←-----						
6	←-----						

Number of Trip Blanks received NOT listed on chain of custody: 0

Paperwork Discrepancy/Unpacking Problems:

Sample Administration Internal Chain of Custody			
Name	Date	Time	Reason for Transfer
<u>Mary Ben</u>	<u>12/17/09</u>	<u>1550</u>	Unpacking <u>to storage</u>
<u>Sammy Deland</u>	<u>12/17/09</u>	<u>1650</u>	Place in Storage or <input checked="" type="radio"/> Entry
			Entry
			Entry

Lancaster Laboratories Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

N.D.	none detected	BMQL	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	MPN	Most Probable Number
IU	International Units	CP Units	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	NTU	nephelometric turbidity units
C	degrees Celsius	F	degrees Fahrenheit
Cal	(diet) calories	lb.	pound(s)
meq	milliequivalents	kg	kilogram(s)
g	gram(s)	mg	milligram(s)
ug	microgram(s)	l	liter(s)
ml	milliliter(s)	ul	microliter(s)
m3	cubic meter(s)	fib >5 um/ml	fibers greater than 5 microns in length per ml
<	less than – The number following the sign is the <u>limit of quantitation</u> , the smallest amount of analyte which can be reliably determined using this specific test.		
>	greater than		
ppm	parts per million – One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.		
ppb	parts per billion		
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture.		

U.S. EPA data qualifiers:

Organic Qualifiers

A	TIC is a possible aldol-condensation product
B	Analyte was also detected in the blank
C	Pesticide result confirmed by GC/MS
D	Compound quantitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
J	Estimated value
N	Presumptive evidence of a compound (TICs only)
P	Concentration difference between primary and confirmation columns >25%
U	Compound was not detected
X,Y,Z	Defined in case narrative

Inorganic Qualifiers

B	Value is <CRDL, but ≥IDL
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike amount not within control limits
S	Method of standard additions (MSA) used for calculation
U	Compound was not detected
W	Post digestion spike out of control limits
*	Duplicate analysis not within control limits
+	Correlation coefficient for MSA <0.995

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

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ANALYTICAL RESULTS

Prepared for:

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

December 27, 2009

Project: POM - DELTA UPLANDS

Samples arrived at the laboratory on Thursday, December 17, 2009. The PO# for this group is LBIO-66380 and the release number is LA28382. The group number for this submittal is 1175771.


<u>Client Sample Description</u>	<u>Lancaster Labs (LLI) #</u>
POM-S-536-314(2.0-2.5) Soil Sample	5867692
POM-S-536-314(4.0-4.5) Soil Sample	5867693
POM-S-536-243(1.5-2.0) Soil Sample	5867694
POM-S-536-244(1.5-2.0) Soil Sample	5867695
POM-S-536-245(1.5-2.0) Soil Sample	5867696
POM-S-536-26D(3.0-3.5) Soil Sample	5867697
POM-S-536-80D(1.0-1.5) Soil Sample	5867698
POM-S-536-58D(3.5-4.0) Soil Sample	5867699
POM-S-536-250(6.0-6.5) Soil Sample	5867700

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

ELECTRONIC COPY TO	URS Corporation	Attn: George Nemeth
ELECTRONIC COPY TO	LLI	Attn: EDD Group
1 COPY TO	Data Package Group	

Questions? Contact your Client Services Representative
Nancy J Bornholm at (717) 656-2300

Respectfully Submitted,



Robert Strocko Jr.
Manager



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-314(2.0-2.5) Soil Sample
DELTA UPLANDS 12/14/09

LLI Sample # SW 5867692
LLI Group # 1175771
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/16/2009 11:00 by GN

Account Number: 07032

Submitted: 12/17/2009 09:20
Reported: 12/27/2009 at 11:16
Discard: 01/27/2010

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

PD314 SDG#: DLN29-01

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010B	mg/kg	mg/kg	mg/kg	
06955	Lead	7439-92-1	174	0.668	1.67	1
	The matrix spike and matrix spike duplicate were out of specification for lead. The recovery of the post digestion spike performed on the background sample was 90%.					
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	10.2	0.50	0.50	1
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.					

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	093525708011	12/26/2009 22:54	Choon Y Tian	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	093525708011	12/20/2009 21:20	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	09355820005A	12/21/2009 14:52	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-314(4.0-4.5) Soil Sample
DELTA UPLANDS 12/14/09

LLI Sample # SW 5867693
LLI Group # 1175771
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/16/2009 11:05 by GN

Account Number: 07032

Submitted: 12/17/2009 09:20
Reported: 12/27/2009 at 11:16
Discard: 01/27/2010

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

P-314 SDG#: DLN29-02

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 7471A	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	7.65	0.245	2.14	20
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	9.2	0.50	0.50	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.						

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	093525711007	12/22/2009 16:22	Nelli S Markaryan	20
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	093525711007	12/20/2009 23:55	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	09355820005A	12/21/2009 14:52	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-243(1.5-2.0) Soil Sample
DELTA UPLANDS 12/14/09

LLI Sample # SW 5867694
LLI Group # 1175771
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/16/2009 11:30 by GN

Account Number: 07032

Submitted: 12/17/2009 09:20
Reported: 12/27/2009 at 11:16
Discard: 01/27/2010

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

PD243 SDG#: DLN29-03

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010B	mg/kg	mg/kg	mg/kg	
06955	Lead	7439-92-1	305	0.758	1.89	1
	The matrix spike and matrix spike duplicate were out of specification for lead. The recovery of the post digestion spike performed on the background sample was 90%.					
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	20.8	0.50	0.50	1
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.					

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	093525708011	12/26/2009 23:12	Choon Y Tian	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	093525708011	12/20/2009 21:20	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	09355820005A	12/21/2009 14:52	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-244(1.5-2.0) Soil Sample
DELTA UPLANDS 12/14/09

LLI Sample # SW 5867695
LLI Group # 1175771
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/16/2009 11:55 by GN

Account Number: 07032

Submitted: 12/17/2009 09:20
Reported: 12/27/2009 at 11:16
Discard: 01/27/2010

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Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

PD244 SDG#: DLN29-04

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010B	mg/kg	mg/kg	mg/kg	
06955	Lead	7439-92-1	105	0.696	1.74	1
	The matrix spike and matrix spike duplicate were out of specification for lead. The recovery of the post digestion spike performed on the background sample was 90%.					
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	16.3	0.50	0.50	1
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.					

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	093525708011	12/26/2009 23:16	Choon Y Tian	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	093525708011	12/20/2009 21:20	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	09355820005A	12/21/2009 14:52	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: POM-S-536-245(1.5-2.0) Soil Sample
DELTA UPLANDS 12/14/09

LLI Sample # SW 5867696
LLI Group # 1175771
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/16/2009 12:00 by GN

Account Number: 07032

Submitted: 12/17/2009 09:20
 Reported: 12/27/2009 at 11:16
 Discard: 01/27/2010

CRG-E.I.DuPont de Nemours & Co
 URS Corporation
 Iron Hill Corporate Center
 4051 Ogletown Road, Suite 300
 Newark DE 19713

PD245 SDG#: DLN29-05

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010B	mg/kg	mg/kg	mg/kg	
06955	Lead	7439-92-1	78.7	0.689	1.72	1
	The matrix spike and matrix spike duplicate were out of specification for lead. The recovery of the post digestion spike performed on the background sample was 90%.					
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	15.5	0.50	0.50	1
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.					

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	093525708011	12/26/2009 23:25	Choon Y Tian	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	093525708011	12/20/2009 21:20	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	09355820005A	12/21/2009 14:52	Scott W Freisher	1



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-26D(3.0-3.5) Soil Sample
DELTA UPLANDS 12/14/09

LLI Sample # SW 5867697
LLI Group # 1175771
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/16/2009 14:25 by GN

Account Number: 07032

Submitted: 12/17/2009 09:20
Reported: 12/27/2009 at 11:16
Discard: 01/27/2010

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

PD26D SDG#: DLN29-06

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010B	mg/kg	mg/kg	mg/kg	
06955	Lead	7439-92-1	102	0.659	1.65	1
	The matrix spike and matrix spike duplicate were out of specification for lead. The recovery of the post digestion spike performed on the background sample was 90%.					
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	10.7	0.50	0.50	1
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.					

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	093525708011	12/26/2009 23:28	Choon Y Tian	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	093525708011	12/20/2009 21:20	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	09355820005A	12/21/2009 14:52	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-80D(1.0-1.5) Soil Sample
DELTA UPLANDS 12/14/09

LLI Sample # SW 5867698
LLI Group # 1175771
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/16/2009 15:10 by GN

Account Number: 07032

Submitted: 12/17/2009 09:20
Reported: 12/27/2009 at 11:16
Discard: 01/27/2010

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

PD80D SDG#: DLN29-07

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010B	mg/kg	mg/kg	mg/kg	
06955	Lead	7439-92-1	328	0.736	1.84	1
	The matrix spike and matrix spike duplicate were out of specification for lead. The recovery of the post digestion spike performed on the background sample was 90%.					
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	18.5	0.50	0.50	1
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.					

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	093525708011	12/26/2009 23:31	Choon Y Tian	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	093525708011	12/20/2009 21:20	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	09355820005A	12/21/2009 14:52	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-58D(3.5-4.0) Soil Sample
DELTA UPLANDS 12/14/09

LLI Sample # SW 5867699
LLI Group # 1175771
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/16/2009 15:15 by GN

Account Number: 07032

Submitted: 12/17/2009 09:20
Reported: 12/27/2009 at 11:16
Discard: 01/27/2010

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

PD58D SDG#: DLN29-08

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010B	mg/kg	mg/kg	mg/kg	
06955	Lead	7439-92-1	7.01	0.660	1.65	1
	The matrix spike and matrix spike duplicate were out of specification for lead. The recovery of the post digestion spike performed on the background sample was 90%.					
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	10	0.50	0.50	1
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.					

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	093525708011	12/26/2009 23:35	Choon Y Tian	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	093525708011	12/20/2009 21:20	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	09355820005A	12/21/2009 14:52	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: POM-S-536-250(6.0-6.5) Soil Sample
DELTA UPLANDS 12/14/09

LLI Sample # SW 5867700
LLI Group # 1175771
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/16/2009 15:50 by GN

Account Number: 07032

Submitted: 12/17/2009 09:20
Reported: 12/27/2009 at 11:16
Discard: 01/27/2010

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

PD250 SDG#: DLN29-09

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010B	mg/kg	mg/kg	mg/kg	
06955	Lead	7439-92-1	4.68	1.23	3.08	1
	The matrix spike and matrix spike duplicate were out of specification for lead. The recovery of the post digestion spike performed on the background sample was 90%.					
		SW-846 7471A	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.134 J	0.0233	0.203	1
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	52.3	0.50	0.50	1
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.					

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	093525708011	12/26/2009 23:38	Choon Y Tian	1
00159	Mercury	SW-846 7471A	1	093525711007	12/22/2009 15:49	Nelli S Markaryan	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	093525708011	12/20/2009 21:20	Annamaria Stipkovits	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	093525711007	12/20/2009 23:55	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	09355820005B	12/21/2009 14:52	Scott W Freisher	1

Quality Control Summary

 Client Name: CRG-E.I.DuPont de Nemours & Co
 Reported: 12/27/09 at 11:16 AM

Group Number: 1175771

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: 093525708011 Lead	Sample number(s): 5867692,5867694-5867700 N.D.			mg/kg	112		85-114		
Batch number: 093525711007 Mercury	Sample number(s): 5867693,5867700 N.D.			mg/kg	100		66-135		
Batch number: 09355820005A Moisture	Sample number(s): 5867692-5867699				100		99-101		
Batch number: 09355820005B Moisture	Sample number(s): 5867700				100		99-101		

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
 Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>RPD MAX</u>	<u>BKG Conc</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>
Batch number: 093525708011 Lead	Sample number(s): 5867692,5867694-5867700 23 (2) -69 (2) 75-125			9	20	156	UNSPK: 5867692 157	BKG: 5867692 0	20
Batch number: 093525711007 Mercury	Sample number(s): 5867693,5867700 534 (2) 592 (2) 80-120			1	20	11.2	UNSPK: P867666 11.8	BKG: P867666 5	20
Batch number: 09355820005A Moisture	Sample number(s): 5867692-5867699					BKG: 5867695 16.3	14.7	11	15
Batch number: 09355820005B Moisture	Sample number(s): 5867700					BKG: 5867700 52.3	59.4	13	15

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.



Analysis Request / Environmental Services Chain of Custody

3 of 5

For Lancaster Laboratories Use Only

Group No.: 1175771 Sample Nos.: 5867692-700
Acc't: 07032 SCR No.: 84773 Cooler No.: 13022 15045
Cooler Temperature upon receipt: 44 °C Container No.: 4

Facility Name: Pompton Lakes		Project Manager: Marj Vetter		Analyses Required												Comments:													
Facility Contact: George Nemeth		Facility Contact Phone No.: 973-492-7735																											
Facility Address: Pompton Lakes Works		Job No.: 9267-7720100C-WH06507906																											
2000 Cannonball Road		Release No.: LA28382																											
Pompton Lakes NJ 07442		PO Number: LBIO-66380														Condition upon receipt: <i>Intact</i>													
Sampler(s): George Nemeth / Dan Youngblood		Project Name: DELTA UPLANDS 12/14/09																											
Sample Identification	Date Collected	Time Collected	Matrix	Containers			Moisture (SM20 2540 G)	Cu (6010)	Pb (6010)	Se (6010)	Hg (7471)																		
				Volume (ml)	Preserv	No.																							
POM-S-536-314 (2.0-2.5)	12/16/09	1100	SW	125	None	1	X	X																					
POM-S-536-314 (4.0-4.5)		1105	SW	125	None	1	X			X																			
POM-S-536-243 (1.5-2.0)		1130	SW	125	None	1	X	X																					
POM-S-536-244 (1.5-2.0)		1155	SW	125	None	1	X	X																					
POM-S-536-245 (1.5-2.0)		1200	SW	125	None	1	X	X																					
POM-S-536-26D (3.0-3.5)		1425	SW	125	None	1	X	X																					
POM-S-536-80D (1.0-1.5)		1510	SW	125	None	1	X	X																					
POM-S-536-58D (3.5-4.0)		1515	SW	125	None	1	X	X																					
POM-S-536-250 (6.0-6.5)		1550	SW	125	None	1	X	X		X																			
POM-S-536-			SW	125	None	1	X																						
Turnaround Time Requested (please circle): <u>Normal</u> Rush Number of days: _____							Special Instructions:																						
Bottles Relinquished by: <i>George Nemeth</i>			Date: 12/16/09	Time: 1515	Bottles Received by:			Date:	Time:												Date:	Time:							
Bottles Relinquished by:			Date:	Time:	Bottles Received by:			Date:	Time:												Date:	Time:							
Bottles Relinquished by:			Date:	Time:	Bottles Received by:			Date:	Time:												Date:	Time:							
Bottles Relinquished by:			Date:	Time:	Bottles Received by: <i>Marj Vetter</i>			Date: 12/17/09	Time: 920												Date:	Time:							

Lancaster Laboratories, Inc. 2425 New Holland Pike Lancaster, PA 17601 (717) 656-2300

Copies: White copy should accompany samples to Lancaster Laboratories. The yellow copy should be retained by the samplers.

Environmental Sample Administration Receipt Documentation Log

Client/Project: Pompton Lakes
 Date of Receipt: 12/17/09
 Time of Receipt: 920
 Source Code: 507
 Unpacker Emp. No.: 2316

Shipping Container Sealed: YES NO
 Custody Seal Present * : YES NO

* Custody seal was intact unless otherwise noted in the discrepancy section

Package: Chilled Not Chilled

Temperature of Shipping Containers							
Cooler #	Thermometer ID	Temperature (C)	Temp Bottle (TB) or Surface Temp (ST)	Wet Ice (WI) or Dry Ice (DI) or Ice Packs (IP)	Ice Present? Y/N	Loose (L) Bagged Ice (B) or NA	Comments
1	0125465	0.2°C	TB	WI	Y	B	
2	↓	0.4°C	↓	↓	↓	↓	
3	↓	1.0°C	↓	↓	↓	↓	
4	↓	4.4°C	↓	↓	↓	↓	
5	 						
6	 						

Number of Trip Blanks received NOT listed on chain of custody: 0

Paperwork Discrepancy/Unpacking Problems:

Sample Administration Internal Chain of Custody			
Name	Date	Time	Reason for Transfer
<u>Sammy Deland</u>	<u>12/17/09</u>	<u>1550</u>	Unpacking to storage
			Place in Storage or <input checked="" type="radio"/> Entry
			Entry
			Entry

Lancaster Laboratories Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

N.D.	none detected	BMQL	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	MPN	Most Probable Number
IU	International Units	CP Units	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	NTU	nephelometric turbidity units
C	degrees Celsius	F	degrees Fahrenheit
Cal	(diet) calories	lb.	pound(s)
meq	milliequivalents	kg	kilogram(s)
g	gram(s)	mg	milligram(s)
ug	microgram(s)	l	liter(s)
ml	milliliter(s)	ul	microliter(s)
m3	cubic meter(s)	fib >5 um/ml	fibers greater than 5 microns in length per ml
<	less than – The number following the sign is the <u>limit of quantitation</u> , the smallest amount of analyte which can be reliably determined using this specific test.		
>	greater than		
ppm	parts per million – One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.		
ppb	parts per billion		
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture.		

U.S. EPA data qualifiers:

Organic Qualifiers

A	TIC is a possible aldol-condensation product
B	Analyte was also detected in the blank
C	Pesticide result confirmed by GC/MS
D	Compound quantitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
J	Estimated value
N	Presumptive evidence of a compound (TICs only)
P	Concentration difference between primary and confirmation columns >25%
U	Compound was not detected
X,Y,Z	Defined in case narrative

Inorganic Qualifiers

B	Value is <CRDL, but ≥IDL
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike amount not within control limits
S	Method of standard additions (MSA) used for calculation
U	Compound was not detected
W	Post digestion spike out of control limits
*	Duplicate analysis not within control limits
+	Correlation coefficient for MSA <0.995

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

WARRANTY AND LIMITS OF LIABILITY – In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL LANCASTER LABORATORIES BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF LANCASTER LABORATORIES AND (B) WHETHER LANCASTER LABORATORIES HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Lancaster Laboratories which includes any conditions that vary from the Standard Terms and Conditions of Lancaster Laboratories and we hereby object to any conflicting terms contained in any acceptance or order submitted by client.

ANALYTICAL RESULTS

Prepared for:

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

January 08, 2010

Project: POM - DELTA UPLANDS

Samples arrived at the laboratory on Friday, December 18, 2009. The PO# for this group is LBIO-66380 and the release number is LA28382. The group number for this submittal is 1176018.

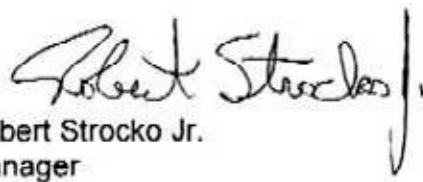
<u>Client Sample Description</u>	<u>Lancaster Labs (LLI) #</u>
POM-S-536-251(6.0-6.5) Soil Sample	5869337
POM-S-536-253(6.0-6.5) Soil Sample	5869338
POM-S-536-254(5.0-5.5) Soil Sample	5869339
POM-S-536-255(5.0-5.5) Soil Sample	5869340
POM-S-536-257(5.0-5.5) Soil Sample	5869341
POM-S-536-259(3.0-3.5) Soil Sample	5869342
POM-S-536-330(0.0-0.5) Soil Sample	5869343
POM-S-536-330(2.0-2.5) Unspiked Soil Sample	5869344
POM-S-536-330(2.0-2.5)-MS Matrix Spike Soil Sample	5869345
POM-S-536-330(2.0-2.5)-MSD Matrix Spike Dup Soil	5869346
POM-S-536-330(2.0-2.5) Duplicate Soil Sample	5869347
POM-S-536-330(2.0-2.5)-DUP Soil Sample	5869348
POM-S-536-261(3.0-3.5) Soil Sample	5869349
POM-S-536-260(3.0-3.5) Soil Sample	5869350
POM-S-536-329(0.0-0.5) Soil Sample	5869351
POM-S-536-329(2.0-2.5) Soil Sample	5869352
POM-S-536-329(3.0-3.5) Soil Sample	5869353
POM-S-536-326(0.0-0.5) Soil Sample	5869354
POM-K-536-EQBLK12 Blank Water Sample	5869356
POM-K-536-EQBLK13 Blank Water Sample	5869357

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

ELECTRONIC COPY TO	URS Corporation	Attn: George Nemeth
ELECTRONIC COPY TO	LLI	Attn: EDD Group
1 COPY TO	Data Package Group	

Questions? Contact your Client Services Representative
Nancy J Bornholm at (717) 656-2300

Respectfully Submitted,



Robert Strocko Jr.
Manager

Sample Description: POM-S-536-251(6.0-6.5) Soil Sample
DELTA UPLANDS 12/14/09

LLI Sample # SW 5869337
LLI Group # 1176018
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/17/2009 10:10 by GN

Account Number: 07032

Submitted: 12/18/2009 17:40
Reported: 01/08/2010 at 16:40
Discard: 02/08/2010

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

251-6 SDG#: DLN30-01

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010B	mg/kg	mg/kg	mg/kg	
06955	Lead	7439-92-1	5.86	0.664	1.66	1
	The matrix spike and matrix spike duplicate were out of specification for lead. The recovery of the post digestion spike performed on the background sample was 95%.					
		SW-846 7471A	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.0168 J	0.0130	0.113	1
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	12.3	0.50	0.50	1
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.					

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	093645708004	12/31/2009 19:57	John P Hook	1
00159	Mercury	SW-846 7471A	1	093645711002	12/31/2009 09:34	Damary Valentin	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	093645708004	12/30/2009 23:10	Mirit S Shenouda	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	093645711002	12/31/2009 03:55	Mirit S Shenouda	1
00111	Moisture	SM20 2540 G	1	09356820004A	12/22/2009 16:10	Scott W Freisher	1



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-253(6.0-6.5) Soil Sample
DELTA UPLANDS 12/14/09

LLI Sample # SW 5869338
LLI Group # 1176018
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/17/2009 10:35 by GN

Account Number: 07032

Submitted: 12/18/2009 17:40
Reported: 01/08/2010 at 16:40
Discard: 02/08/2010

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

253-6 SDG#: DLN30-02

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010B	mg/kg	mg/kg	mg/kg	
06955	Lead	7439-92-1	4.95	0.681	1.70	1
	The matrix spike and matrix spike duplicate were out of specification for lead. The recovery of the post digestion spike performed on the background sample was 95%.					
		SW-846 7471A	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.0830 J	0.0132	0.115	1
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	13.6	0.50	0.50	1
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.					

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	093645708004	12/31/2009 20:01	John P Hook	1
00159	Mercury	SW-846 7471A	1	093645711002	12/31/2009 09:42	Damary Valentin	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	093645708004	12/30/2009 23:10	Mirit S Shenouda	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	093645711002	12/31/2009 03:55	Mirit S Shenouda	1
00111	Moisture	SM20 2540 G	1	09356820004A	12/22/2009 16:10	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-254(5.0-5.5) Soil Sample
DELTA UPLANDS 12/14/09

LLI Sample # SW 5869339
LLI Group # 1176018
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/17/2009 11:00 by GN

Account Number: 07032

Submitted: 12/18/2009 17:40
Reported: 01/08/2010 at 16:40
Discard: 02/08/2010

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

254-5 SDG#: DLN30-03

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010B	mg/kg	mg/kg	mg/kg	
06955	Lead	7439-92-1	7.82	0.637	1.59	1
	The matrix spike and matrix spike duplicate were out of specification for lead. The recovery of the post digestion spike performed on the background sample was 95%.					
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	9.5	0.50	0.50	1
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.					

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	093645708004	12/31/2009 20:12	John P Hook	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	093645708004	12/30/2009 23:10	Mirit S Shenouda	1
00111	Moisture	SM20 2540 G	1	09356820004A	12/22/2009 16:10	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-255(5.0-5.5) Soil Sample
DELTA UPLANDS 12/14/09

LLI Sample # SW 5869340
LLI Group # 1176018
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/17/2009 11:22 by GN

Account Number: 07032

Submitted: 12/18/2009 17:40
Reported: 01/08/2010 at 16:40
Discard: 02/08/2010

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

255-5 SDG#: DLN30-04

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010B	mg/kg	mg/kg	mg/kg	
06955	Lead	7439-92-1	4.29	0.659	1.65	1
	The matrix spike and matrix spike duplicate were out of specification for lead. The recovery of the post digestion spike performed on the background sample was 95%.					
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	10.7	0.50	0.50	1
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.					

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	093645708004	12/31/2009 20:16	John P Hook	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	093645708004	12/30/2009 23:10	Mirit S Shenouda	1
00111	Moisture	SM20 2540 G	1	09356820004A	12/22/2009 16:10	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-257(5.0-5.5) Soil Sample
DELTA UPLANDS 12/14/09

LLI Sample # SW 5869341
LLI Group # 1176018
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/17/2009 11:44 by GN

Account Number: 07032

Submitted: 12/18/2009 17:40
Reported: 01/08/2010 at 16:40
Discard: 02/08/2010

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

257-5 SDG#: DLN30-05

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010B	mg/kg	mg/kg	mg/kg	
06955	Lead	7439-92-1	7.77	0.659	1.65	1
	The matrix spike and matrix spike duplicate were out of specification for lead. The recovery of the post digestion spike performed on the background sample was 95%.					
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	9.9	0.50	0.50	1
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.					

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	093645708004	12/31/2009 20:19	John P Hook	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	093645708004	12/30/2009 23:10	Mirit S Shenouda	1
00111	Moisture	SM20 2540 G	1	09356820004A	12/22/2009 16:10	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: POM-S-536-259(3.0-3.5) Soil Sample
DELTA UPLANDS 12/14/09

LLI Sample # SW 5869342
LLI Group # 1176018
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/17/2009 14:30 by GN

Account Number: 07032

Submitted: 12/18/2009 17:40
 Reported: 01/08/2010 at 16:40
 Discard: 02/08/2010

CRG-E.I.DuPont de Nemours & Co
 URS Corporation
 Iron Hill Corporate Center
 4051 Ogletown Road, Suite 300
 Newark DE 19713

259-3 SDG#: DLN30-06

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010B	mg/kg	mg/kg	mg/kg	
06955	Lead	7439-92-1	38.4	0.635	1.59	1
	The matrix spike and matrix spike duplicate were out of specification for lead. The recovery of the post digestion spike performed on the background sample was 95%.					
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	6.4	0.50	0.50	1
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.					

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	093645708004	12/31/2009 20:23	John P Hook	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	093645708004	12/30/2009 23:10	Mirit S Shenouda	1
00111	Moisture	SM20 2540 G	1	09356820004A	12/22/2009 16:10	Scott W Freisher	1



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-330(0.0-0.5) Soil Sample
DELTA UPLANDS 12/14/09

LLI Sample # SW 5869343
LLI Group # 1176018
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/17/2009 15:33 by GN

Account Number: 07032

Submitted: 12/18/2009 17:40
Reported: 01/08/2010 at 16:40
Discard: 02/08/2010

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

330-0 SDG#: DLN30-07

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 7471A	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	43.1	1.41	12.3	20
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	84.3	0.50	0.50	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.						

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	093655711004	01/04/2010 11:03	Damary Valentin	20
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	093655711004	01/03/2010 23:00	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	09356820004A	12/22/2009 16:10	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-330(2.0-2.5) Unspiked Soil Sample
DELTA UPLANDS 12/14/09

LLI Sample # SW 5869344
LLI Group # 1176018
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/17/2009 15:50 by GN

Account Number: 07032

Submitted: 12/18/2009 17:40
Reported: 01/08/2010 at 16:40
Discard: 02/08/2010

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

330-2 SDG#: DLN30-08BKG

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010B	mg/kg	mg/kg	mg/kg	
06955	Lead	7439-92-1	386	1.05	2.63	1
	The matrix spike and matrix spike duplicate were out of specification for lead. The recovery of the post digestion spike performed on the background sample was 95%.					
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	43.0	0.50	0.50	1
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.					

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	093645708004	12/31/2009 19:35	John P Hook	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	093645708004	12/30/2009 23:10	Mirit S Shenouda	1
00111	Moisture	SM20 2540 G	1	09356820004A	12/22/2009 16:10	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-330(2.0-2.5)-MS Matrix Spike Soil Sample
DELTA UPLANDS 12/14/09

LLI Sample # SW 5869345
LLI Group # 1176018
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/17/2009 15:50 by GN

Account Number: 07032

Submitted: 12/18/2009 17:40
Reported: 01/08/2010 at 16:40
Discard: 02/08/2010

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4051 Ogletown Road, Suite 300
Newark DE 19713

330-2 SDG#: DLN30-08MS

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010B	mg/kg	mg/kg	mg/kg	
06955	Lead	7439-92-1	370	1.05	2.63	1
	The matrix spike and matrix spike duplicate were out of specification for lead. The recovery of the post digestion spike performed on the background sample was 95%.					
Wet Chemistry						
		SM20 2540 G	%	%	%	
00118	Moisture	n.a.	43.0	0.50	0.50	1

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	093645708004	12/31/2009 19:46	John P Hook	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	093645708004	12/30/2009 23:10	Mirit S Shenouda	1
00118	Moisture	SM20 2540 G	1	09356820004A	12/22/2009 16:10	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-330(2.0-2.5)-MSD Matrix Spike Dup Soil
Sample
DELTA UPLANDS 12/14/09

LLI Sample # SW 5869346
LLI Group # 1176018
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/17/2009 15:50 by GN

Account Number: 07032

Submitted: 12/18/2009 17:40
 Reported: 01/08/2010 at 16:40
 Discard: 02/08/2010

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 4051 Ogletown Road, Suite 300
 Newark DE 19713

330-2 SDG#: DLN30-08MSD

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010B	mg/kg	mg/kg	mg/kg	
06955	Lead	7439-92-1	339	1.05	2.63	1
	The matrix spike and matrix spike duplicate were out of specification for lead. The recovery of the post digestion spike performed on the background sample was 95%.					
Wet Chemistry						
		SM20 2540 G	%	%	%	
00118	Moisture	n.a.	43.0	0.50	0.50	1

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	093645708004	12/31/2009 19:50	John P Hook	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	093645708004	12/30/2009 23:10	Mirit S Shenouda	1
00118	Moisture	SM20 2540 G	1	09356820004A	12/22/2009 16:10	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-330(2.0-2.5) Duplicate Soil Sample
DELTA UPLANDS 12/14/09

LLI Sample # SW 5869347
LLI Group # 1176018
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/17/2009 15:50 by GN

Account Number: 07032

Submitted: 12/18/2009 17:40
Reported: 01/08/2010 at 16:40
Discard: 02/08/2010

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Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

330-2 SDG#: DLN30-08DUP

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals			SW-846 6010B	mg/kg	mg/kg	mg/kg
06955	Lead	7439-92-1	373	1.05	2.63	1
The matrix spike and matrix spike duplicate were out of specification for lead. The recovery of the post digestion spike performed on the background sample was 95%.						
Wet Chemistry			SM20 2540 G	%	%	%
00118	Moisture	n.a.	43.0	0.50	0.50	1
00121	Moisture Duplicate	n.a.	38.6	0.50	0.50	1
The duplicate moisture value is provided to assess the precision of the moisture test. For comparability purposes, the initial moisture determination is the value used to perform dry weight calculations.						

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	093645708004	12/31/2009 19:42	John P Hook	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	093645708004	12/30/2009 23:10	Mirit S Shenouda	1
00118	Moisture	SM20 2540 G	1	09356820004A	12/22/2009 16:10	Scott W Freisher	1
00121	Moisture Duplicate	SM20 2540 G	1	09356820004A	12/22/2009 16:10	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-330(2.0-2.5)-DUP Soil Sample
DELTA UPLANDS 12/14/09

LLI Sample # SW 5869348
LLI Group # 1176018
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/17/2009 15:50 by GN

Account Number: 07032

Submitted: 12/18/2009 17:40
Reported: 01/08/2010 at 16:40
Discard: 02/08/2010

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Newark DE 19713

3302D SDG#: DLN30-09FD

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010B	mg/kg	mg/kg	mg/kg	
06955	Lead	7439-92-1	346	1.03	2.58	1
	The matrix spike and matrix spike duplicate were out of specification for lead. The recovery of the post digestion spike performed on the background sample was 95%.					
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	42.4	0.50	0.50	1
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.					

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	093645708004	12/31/2009 20:26	John P Hook	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	093645708004	12/30/2009 23:10	Mirit S Shenouda	1
00111	Moisture	SM20 2540 G	1	09356820004A	12/22/2009 16:10	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-261(3.0-3.5) Soil Sample
DELTA UPLANDS 12/14/09

LLI Sample # SW 5869349
LLI Group # 1176018
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/18/2009 09:03 by GN

Account Number: 07032

Submitted: 12/18/2009 17:40
Reported: 01/08/2010 at 16:40
Discard: 02/08/2010

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Newark DE 19713

261-3 SDG#: DLN30-10

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010B	mg/kg	mg/kg	mg/kg	
06955	Lead	7439-92-1	9.18	0.658	1.65	1
	The matrix spike and matrix spike duplicate were out of specification for lead. The recovery of the post digestion spike performed on the background sample was 95%.					
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	11.5	0.50	0.50	1
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.					

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	093645708004	12/31/2009 20:30	John P Hook	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	093645708004	12/30/2009 23:10	Mirit S Shenouda	1
00111	Moisture	SM20 2540 G	1	09356820004A	12/22/2009 16:10	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-260(3.0-3.5) Soil Sample
DELTA UPLANDS 12/14/09

LLI Sample # SW 5869350
LLI Group # 1176018
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/18/2009 09:27 by GN

Account Number: 07032

Submitted: 12/18/2009 17:40
Reported: 01/08/2010 at 16:40
Discard: 02/08/2010

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260-3 SDG#: DLN30-11

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010B	mg/kg	mg/kg	mg/kg	
06955	Lead	7439-92-1	11.9	0.666	1.66	1
	The matrix spike and matrix spike duplicate were out of specification for lead. The recovery of the post digestion spike performed on the background sample was 95%.					
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	9.9	0.50	0.50	1
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.					

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	093645708004	12/31/2009 20:34	John P Hook	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	093645708004	12/30/2009 23:10	Mirit S Shenouda	1
00111	Moisture	SM20 2540 G	1	09356820004A	12/22/2009 16:10	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-329(0.0-0.5) Soil Sample
DELTA UPLANDS 12/14/09

LLI Sample # SW 5869351
LLI Group # 1176018
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/18/2009 10:10 by GN

Account Number: 07032

Submitted: 12/18/2009 17:40
Reported: 01/08/2010 at 16:40
Discard: 02/08/2010

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Newark DE 19713

329-0 SDG#: DLN30-12

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 7471A	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	29.3	1.05	9.11	20
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	78.5	0.50	0.50	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.						

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	093655711004	01/04/2010 11:10	Damary Valentin	20
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	093655711004	01/03/2010 23:00	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	09356820004A	12/22/2009 16:10	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-329(2.0-2.5) Soil Sample
DELTA UPLANDS 12/14/09

LLI Sample # SW 5869352
LLI Group # 1176018
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/18/2009 10:13 by GN

Account Number: 07032

Submitted: 12/18/2009 17:40
Reported: 01/08/2010 at 16:40
Discard: 02/08/2010

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329-2 SDG#: DLN30-13

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010B	mg/kg	mg/kg	mg/kg	
06955	Lead	7439-92-1	922	0.999	2.50	1
	The matrix spike and matrix spike duplicate were out of specification for lead. The recovery of the post digestion spike performed on the background sample was 95%.					
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	41.7	0.50	0.50	1
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.					

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	093645708004	12/31/2009 20:37	John P Hook	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	093645708004	12/30/2009 23:10	Mirit S Shenouda	1
00111	Moisture	SM20 2540 G	1	09356820004A	12/22/2009 16:10	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-329(3.0-3.5) Soil Sample
DELTA UPLANDS 12/14/09

LLI Sample # SW 5869353
LLI Group # 1176018
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/18/2009 10:15 by GN

Account Number: 07032

Submitted: 12/18/2009 17:40
Reported: 01/08/2010 at 16:40
Discard: 02/08/2010

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329-3 SDG#: DLN30-14

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 7471A	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.518	0.0138	0.120	1
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	17.0	0.50	0.50	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.						

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	093655711004	01/04/2010 10:38	Damary Valentin	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	093655711004	01/03/2010 23:00	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	09356820004A	12/22/2009 16:10	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-326(0.0-0.5) Soil Sample
DELTA UPLANDS 12/14/09

LLI Sample # SW 5869354
LLI Group # 1176018
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/18/2009 10:30 by GN

Account Number: 07032

Submitted: 12/18/2009 17:40
Reported: 01/08/2010 at 16:40
Discard: 02/08/2010

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Newark DE 19713

326-0 SDG#: DLN30-15

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010B	mg/kg	mg/kg	mg/kg	
06955	Lead	7439-92-1	303	0.912	2.28	1
	The matrix spike and matrix spike duplicate were out of specification for lead. The recovery of the post digestion spike performed on the background sample was 95%.					
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	34.2	0.50	0.50	1
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.					

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	093645708004	12/31/2009 20:41	John P Hook	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	093645708004	12/30/2009 23:10	Mirit S Shenouda	1
00111	Moisture	SM20 2540 G	1	09356820004A	12/22/2009 16:10	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-K-536-EQBLK12 Blank Water Sample
DELTA UPLANDS 12/14/09

LLI Sample # WW 5869356
LLI Group # 1176018
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/17/2009 15:30 by GN

Account Number: 07032

Submitted: 12/18/2009 17:40
Reported: 01/08/2010 at 16:40
Discard: 02/08/2010

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Newark DE 19713

EB12- SDG#: DLN30-16EB

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals						
07055	Lead	SW-846 6010B 7439-92-1	mg/l N.D.	mg/l 0.0069	mg/l 0.0150	1
00259	Mercury	SW-846 7470A 7439-97-6	mg/l N.D.	mg/l 0.000056	mg/l 0.00020	1

General Sample Comments

State of New Jersey Lab Certification No. PA011
State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	093635705003	12/31/2009 00:36	Tara L Snyder	1
00259	Mercury	SW-846 7470A	1	093635713004	12/30/2009 15:42	Parker D Lindstrom	1
05705	WW/TL SW 846 ICP Digest (tot)	SW-846 3010A	1	093635705003	12/30/2009 09:06	Denise K Connors	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	093635713004	12/29/2009 18:30	Nelli S Markaryan	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-K-536-EQBLK13 Blank Water Sample
DELTA UPLANDS 12/14/09

LLI Sample # WW 5869357
LLI Group # 1176018
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/18/2009 11:36 by GN

Account Number: 07032

Submitted: 12/18/2009 17:40
Reported: 01/08/2010 at 16:40
Discard: 02/08/2010

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

EB13- SDG#: DLN30-17EB*

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals						
07055	Lead	SW-846 6010B 7439-92-1	mg/l N.D.	mg/l 0.0069	mg/l 0.0150	1
00259	Mercury	SW-846 7470A 7439-97-6	mg/l N.D.	mg/l 0.000056	mg/l 0.00020	1

General Sample Comments

State of New Jersey Lab Certification No. PA011
State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	093635705003	12/31/2009 00:39	Tara L Snyder	1
00259	Mercury	SW-846 7470A	1	093635713004	12/30/2009 15:44	Parker D Lindstrom	1
05705	WW/TL SW 846 ICP Digest (tot)	SW-846 3010A	1	093635705003	12/30/2009 09:06	Denise K Connors	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	093635713004	12/29/2009 18:30	Nelli S Markaryan	1

*=This limit was used in the evaluation of the final result

Quality Control Summary

 Client Name: CRG-E.I.DuPont de Nemours & Co
 Reported: 01/08/10 at 04:40 PM

Group Number: 1176018

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: 093635705003 Lead	N.D.	0.0069	0.0150	mg/l	102		80-120		
Batch number: 093635713004 Mercury	N.D.	0.00005 6	0.00020	mg/l	104		80-120		
Batch number: 093645708004 Lead	N.D.	0.600	1.50	mg/kg	93		85-114		
Batch number: 093645711002 Mercury	N.D.	0.0112	0.0972	mg/kg	96		66-135		
Batch number: 093655711004 Mercury	N.D.	0.0114	0.0992	mg/kg	94		66-135		
Batch number: 09356820004A Moisture Moisture Moisture Duplicate					100 100 100		99-101 99-101 99-101		

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
 Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>RPD MAX</u>	<u>BKG Conc</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>
Batch number: 093635705003 Lead	101	100	75-125	1	20	N.D.	N.D.	0 (1)	20
Batch number: 093635713004 Mercury	97	97	80-120	0	20	N.D.	N.D.	0 (1)	20
Batch number: 093645708004 Lead	-62 (2)	-179 (2)	75-125	9	20	220	213	4	20
Batch number: 093645711002 Mercury	98	91	80-120	7	20	0.0147 J	0.0142 J	3 (1)	20
Batch number: 093655711004									

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 01/08/10 at 04:40 PM

Group Number: 1176018

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup RPD</u> <u>Max</u>
Mercury	1341 (2)	1141 (2)	80-120	3	20	7.65	8.63	12 (1)	20
Batch number: 09356820004A	Sample number(s): 5869337-5869354 BKG: 5869344								
Moisture						43.0	38.6	11	15
Moisture						43.0	38.6	11	15
Moisture Duplicate						43.0	38.6	11	15

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

For Lancaster Laboratories Use Only

 Group No.: 1176018 Sample No.: 5869337-57
 Acc't: 07032 SGR No.: 84887 Cooler No.: C17241 **15072**
 Cooler Temperature upon receipt: 4.7 °C Container No.: 1

Facility Name: Pompton Lakes		Project Manager: Marj Vetter			Analyses Required										Comments:										
Facility Contact: George Nemeth		Facility Contact Phone No.: 973-492-7735			Moisture (SM20 2540 G)																				
Facility Address: Pompton Lakes Works		Job No.: 9267-7720100C-WH06507906																							
2000 Cannonball Road		Release No.: LA28382																							
Pompton Lakes NJ 07442		PO Number: LBIO-66380																							
Sampler(s): <u>George Nemeth / Jeff Deetrick</u>																									
Project Name: DELTA UPLANDS 12/14/09																									
Sample Identification	Date Collected	Time Collected	Matrix	Containers			Moisture (ml)	Preserv	No.	Moisture (SM20 2540 G)	Cu (6010)	Pb (6010)	Se (6010)	Hg (7471)										Condition upon receipt:	
				Volume (ml)	Preserv	No.																			
POM-S-536- <u>251 (6.0-6.5)</u>	<u>12/17/09</u>	<u>1010</u>	SW	125	None	1	X			X		X													<u>intact</u>
POM-S-536- <u>253 (6.0-6.5)</u>		<u>1035</u>	SW	125	None	1	X			X		X													
POM-S-536- <u>254 (5.0-5.5)</u>		<u>1100</u>	SW	125	None	1	X			X															
POM-S-536- <u>255 (5.0-5.5)</u>		<u>1122</u>	SW	125	None	1	X			X															
POM-S-536- <u>257 (5.0-5.5)</u>		<u>1144</u>	SW	125	None	1	X			X															
POM-S-536- <u>258 (3.0-3.5)</u>		<u>1400</u>	SW	125	None	1	X			X															
POM-S-536- <u>259 (3.0-3.5)</u>		<u>1430</u>	SW	125	None	1	X			X															
POM-S-536- <u>330 (0.0-0.5)</u>		<u>1533</u>	SW	125	None	1	X						X												
POM-S-536- <u>330 (2.0-2.5)</u>		<u>1550</u>	SW	125	None	1	X			X															
POM-S-536-			SW	125	None	1	X																		
Turnaround Time Requested (please circle): <u>Normal</u> Rush Number of days: _____										Special Instructions: <u>* Please Analyze POM-S-536-258 (3.0-3.5) on quick TAT.</u>															
Bottles Relinquished by: <u>Ko-L. Hunt</u>			Date: <u>12-14-09</u>	Time: <u>1400</u>	Bottles Received by: <u>George Nemeth</u>			Date: <u>12-18-09</u>	Time: <u>21030</u>																
Bottles Relinquished by: <u>George Nemeth</u>			Date: <u>12-18-09</u>	Time: <u>1316</u>	Bottles Received by: <u>B. Kinley</u>			Date: <u>12-18-09</u>	Time: <u>1350</u>																
Bottles Relinquished by: <u>B. Kinley</u>			Date: <u>12-18-09</u>	Time: <u>1740</u>	Bottles Received by: _____			Date: _____	Time: _____																
Bottles Relinquished by: _____			Date: _____	Time: _____	Bottles Received by: _____			Date: <u>12/18/09</u>	Time: <u>1740</u>																

For Lancaster Laboratories Use Only

Group No.: 1176018 Sample Nos.: 5869337-57
 Acc't: 07032 SCR No.: 84887 Cooler No.: C17087 **15073**
 Cooler Temperature upon receipt: 4.200 °C Container No.: 1

Facility Name: Pompton Lakes		Project Manager: Marj Vetter			Analyses Required										Comments:
Facility Contact: George Nemeth		Facility Contact Phone No.: 973-492-7735													
Facility Address: Pompton Lakes Works		Job No.: 9267-7720100C-WH06507906													
2000 Cannonball Road		Release No.: LA28382													
Pompton Lakes NJ 07442		PO Number: LBIO-66380													
Sampler(s): <u>G. Nemeth / D. Youngblood / J. Detrick</u>														Condition upon receipt: <u>INTACT</u>	
Project Name: DELTA UPLANDS 12/14/09															
Sample Identification	Date Collected	Time Collected	Matrix	Containers			Moisture (SM20 2540 G)	Cu (6010)	Pb (6010)	Se (6010)	Hg (7471)				
				Volume (ml)	Preserv	No.									
POM-S-536- <u>330 (2.0-2.5)</u> -MS	<u>12/17/09</u>	<u>1550</u>	SW	125	None	1	X		X						
POM-S-536- <u>330 (2.0-2.5)</u> -MSD	↓	↓	SW	125	None	1	X		X						
POM-S-536- <u>330 (2.0-2.5)</u> -DUP	↓	↓	SW	125	None	1	X		X						

Turnaround Time Requested (please circle): <u>Normal</u> Rush				Number of days: _____				Special Instructions:			
Bottles Relinquished by: <u>George Nemeth</u>		Date: <u>12-14-09</u>		Time: <u>1410</u>		Bottles Received by: <u>George Nemeth</u>		Date: <u>12-16-09</u>		Time: <u>1030</u>	
Bottles Relinquished by: <u>R. Woodly</u>		Date: <u>12-18-09</u>		Time: <u>1316</u>		Bottles Received by: <u>R. Woodly</u>		Date: <u>12-18-09</u>		Time: <u>1350</u>	
Bottles Relinquished by: <u>R. Woodly</u>		Date: <u>12-18-09</u>		Time: <u>1740</u>		Bottles Received by: <u>R. Woodly</u>		Date: <u>12/18/09</u>		Time: <u>1740</u>	



Analysis Request / Environmental Services Chain of Custody

2 of 4

For Lancaster Laboratories Use Only

Group No.: 1176018 Sample Nos.: 5869337-57
 Acc't: 07032 SQR(No.): 84887 Cooler No.: C17241 **15072**
 Cooler Temperature upon receipt: 4.2 °C Container No.: 1

Facility Name: Pompton Lakes	Project Manager: Marj Vetter	Analyses Required					Comments:
Facility Contact: George Nemeth	Facility Contact Phone No.: 973-492-7735	Moisture (SM20 2540 G)					
Facility Address: Pompton Lakes Works	Job No.: 9267-7720100C-WH06507906						
2000 Cannonball Road	Release No.: LA28382						
Pompton Lakes NJ 07442	PO Number: LBIO-66380						
Sampler(s): <u>G. Nemeth / D. Youngblood / J. Detrick</u>							
Project Name: DELTA UPLANDS 12/14/09							

Sample Identification	Date Collected	Time Collected	Matrix	Containers			Moisture (SM20 2540 G)	Cu (6010)	Pb (6010)	Se (6010)	Hg (7471)							Condition upon receipt:	
				Volume (ml)	Preserv	No.													
POM-S-536- <u>261 (3.0-3.5)</u>	<u>12/18/09</u>	<u>0903</u>	SW	125	None	1	X	X											<u>intact</u>
POM-S-536- <u>260 (3.0-3.5)</u>		<u>0927</u>	SW	125	None	1	X	X											
POM-S-536- <u>329 (0.0-0.5)</u>		<u>1010</u>	SW	125	None	1	X		X										
POM-S-536- <u>329 (2.0-2.5)</u>		<u>1013</u>	SW	125	None	1	X	X											
POM-S-536- <u>329 (3.0-3.5)</u>		<u>1015</u>	SW	125	None	1	X		X										
POM-S-536- <u>326 (0.0-0.5)</u>		<u>1030</u>	SW	125	None	1	X	X											
POM-S-536- <u>325 (0.0-0.5)</u>		<u>1139</u>	SW	125	None	1	X		X										
POM-S-536-			SW	125	None	1	X												
POM-S-536-			SW	125	None	1	X												

Turnaround Time Requested (please circle): <u>Normal</u> Rush Number of days: _____				Special Instructions:			
Bottles Relinquished by: <u>George Nemeth</u>	Date: <u>12-14-09</u>	Time: <u>1400</u>	Bottles Received by: <u>George Nemeth</u>	Date: <u>12-16-09</u>	Time: <u>11030</u>		
Bottles Relinquished by: <u>George Nemeth</u>	Date: <u>12-18-09</u>	Time: <u>1316</u>	Bottles Received by: <u>R. Kindig</u>	Date: <u>12-18-09</u>	Time: <u>1350</u>		
Bottles Relinquished by: <u>R. Kindig</u>	Date: <u>12-18-09</u>	Time: <u>1740</u>	Bottles Received by: <u>[Signature]</u>	Date: <u>12/18/09</u>	Time: <u>1740</u>		



Analysis Request / Environmental Services Chain of Custody

4 of 4

For Lancaster Laboratories Use Only

Group No.: 1176018 Sample Nos.: 5869337-57
 Acct: 07032 SCR No.: 84887 Cooler No.: C17087 15073
 Cooler Temperature upon receipt: 4.2 °C Container No.: _____

Facility Name: Pompton Lakes			Project Manager: Marj Vetter			Analyses Required											Comments:												
Facility Contact: George Nemeth			Facility Contact Phone No.: 973-492-7735			Moisture (SM20 2540 G)																							
Facility Address: Pompton Lakes Works			Job No.: 9267-7720100C-WH06507906																										
2000 Cannonball Road			Release No.: LA28382																										
Pompton Lakes NJ 07442			PO Number: LBIO-66380																										
Sampler(s): <u>George Nemeth / Dan Youngblood / Jeff Detrick</u>																													
Project Name: DELTA UPLANDS 12/14/09																													
Sample Identification				Date Collected	Time Collected	Matrix	Containers			Moisture	Cu (6010)	Pb (6010)	Se (6010)	Hg (7471)														Condition upon receipt:	
							Volume (ml)	Preserv	No.																				intact
POM-S-536-325(0.0-0.5) -MS				12/18/09	1139	SW	125	None	1	X				X															
POM-S-536-325(0.0-0.5) -MSD					1139	SW	125	None	1	X				X															
POM-S-536-325(0.0-0.5) -DUP					1139	SW	125	None	1	X				X															
POM-K-EQBLK 12				12/17/09	1530	WW	500	HNO ₃	1		X		X																
POM-K-EQBLK 13				12/18/09	1136	WW	500	HNO ₃	1		X		X																

Turnaround Time Requested (please circle): <u>Normal</u> Rush Number of days: _____				Special Instructions:			
Bottles Relinquished by: <u>K. Kindig</u>		Date: <u>12-16-09</u>	Time: <u>1710</u>	Bottles Received by: <u>George Nemeth</u>		Date: <u>12-16-09</u>	Time: <u>~1030</u>
Bottles Relinquished by: <u>George Nemeth</u>		Date: <u>12-18-09</u>	Time: <u>1316</u>	Bottles Received by: <u>D. Kindig</u>		Date: <u>12-18-09</u>	Time: <u>1350</u>
Bottles Relinquished by: <u>K. Kindig</u>		Date: <u>12-18-09</u>	Time: <u>1740</u>	Bottles Received by: _____		Date: _____	Time: _____
Bottles Relinquished by: _____		Date: _____	Time: _____	Bottles Received by: _____		Date: <u>12/18/09</u>	Time: <u>1740</u>

**Environmental Sample Administration
Receipt Documentation Log**

Client/Project: DuPont Pumpten Lakes
 Date of Receipt: 12/18/09
 Time of Receipt: 1740
 Source Code: 01
 Unpacker Emp. No.: 2308

Shipping Container Sealed: YES **NO**

Custody Seal Present * : YES **NO**

* Custody seal was intact unless otherwise noted in the discrepancy section

Package: **Chilled** Not Chilled

Temperature of Shipping Containers							
Cooler #	Thermometer ID	Temperature (°C)	Temp Bottle (TB) or Surface Temp (ST)	Wet Ice (WI) or Dry Ice (DI) or Ice Packs (IP)	Ice Present? Y/N	Loose (L) Bagged Ice (B) or NA	Comments
1	0429451	4.2 ^{cc}	TB	WI	Y	B	
2			/				
3							
4							
5							
6							

Number of Trip Blanks received NOT listed on chain of custody. 0

Paperwork Discrepancy/Unpacking Problems:

Sample Administration Internal Chain of Custody			
Name	Date	Time	Reason for Transfer
<i>[Signature]</i>	12/18/09	1808	Unpacking to storage
<i>[Signature]</i>	12/18/09	1912	Place in Storage or Entry
			Entry
			Entry

Lancaster Laboratories Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

N.D.	none detected	BMQL	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	MPN	Most Probable Number
IU	International Units	CP Units	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	NTU	nephelometric turbidity units
C	degrees Celsius	F	degrees Fahrenheit
Cal	(diet) calories	lb.	pound(s)
meq	milliequivalents	kg	kilogram(s)
g	gram(s)	mg	milligram(s)
ug	microgram(s)	l	liter(s)
ml	milliliter(s)	ul	microliter(s)
m3	cubic meter(s)	fib >5 um/ml	fibers greater than 5 microns in length per ml
<	less than – The number following the sign is the <u>limit of quantitation</u> , the smallest amount of analyte which can be reliably determined using this specific test.		
>	greater than		
ppm	parts per million – One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.		
ppb	parts per billion		
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture.		

U.S. EPA data qualifiers:

Organic Qualifiers

A	TIC is a possible aldol-condensation product
B	Analyte was also detected in the blank
C	Pesticide result confirmed by GC/MS
D	Compound quantitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
J	Estimated value
N	Presumptive evidence of a compound (TICs only)
P	Concentration difference between primary and confirmation columns >25%
U	Compound was not detected
X,Y,Z	Defined in case narrative

Inorganic Qualifiers

B	Value is <CRDL, but ≥IDL
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike amount not within control limits
S	Method of standard additions (MSA) used for calculation
U	Compound was not detected
W	Post digestion spike out of control limits
*	Duplicate analysis not within control limits
+	Correlation coefficient for MSA <0.995

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

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ANALYTICAL RESULTS

Prepared for:

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

December 23, 2009

Project: POM - DELTA UPLANDS

Samples arrived at the laboratory on Friday, December 18, 2009. The PO# for this group is LBIO-66380 and the release number is LA28382. The group number for this submittal is 1176019.

Client Sample Description
POM-S-536-258(3.0-3.5) Soil Sample

Lancaster Labs (LLI) #
5869358

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.


ELECTRONIC URS Corporation
COPY TO
ELECTRONIC LLI
COPY TO
1 COPY TO Data Package Group

Attn: George Nemeth

Attn: EDD Group

Questions? Contact your Client Services Representative
Nancy J Bornholm at (717) 656-2300

Respectfully Submitted,



Robert Strocko Jr.
Manager



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-258(3.0-3.5) Soil Sample
DELTA UPLANDS 12/14/09

LLI Sample # SW 5869358
LLI Group # 1176019
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/17/2009 14:00 by GN

Account Number: 07032

Submitted: 12/18/2009 17:40
Reported: 12/23/2009 at 15:25
Discard: 01/23/2010

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

258-3 SDG#: DLN32-03*

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010B	mg/kg	mg/kg	mg/kg	
06955	Lead	7439-92-1	6.44	0.657	1.64	1
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	9.6	0.50	0.50	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.						

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	093555708001	12/22/2009 10:05	Joanne M Gates	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	093555708001	12/21/2009 20:20	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	09356820002B	12/22/2009 17:38	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Quality Control Summary

 Client Name: CRG-E.I.DuPont de Nemours & Co
 Reported: 12/23/09 at 03:25 PM

Group Number: 1176019

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: 093555708001 Lead	Sample number(s): 5869358 N.D.	0.600	1.50	mg/kg	96		85-114		
Batch number: 09356820002B Moisture	Sample number(s): 5869358				100		99-101		

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
 Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>RPD MAX</u>	<u>BKG Conc</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>
Batch number: 093555708001 Lead	Sample number(s): 5869358 84	84	75-125	0	20	UNSPK: 5869358 5.82	BKG: 5869358 5.91	2 (1)	20
Batch number: 09356820002B Moisture	Sample number(s): 5869358					BKG: P869359 24.9	25.0	1	15

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.



Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only

Group No.: 1176019 Sample Nos.: 5869358
Acc't: 07032 SGR No.: 84887 Cooler No.: C17241 15072
Cooler Temperature upon receipt: 47°C °C Container No.: _____

Facility Name: Pompton Lakes	Project Manager: Marj Vetter	Analyses Required	Comments:
Facility Contact: George Nemeth	Facility Contact Phone No.: 973-492-7735		
Facility Address: Pompton Lakes Works	Job No.: 9267-7720100C-WH06507906		
2000 Cannonball Road	Release No.: LA28382		
Pompton Lakes NJ 07442	PO Number: LBIO-66380		
Sampler(s): <u>George Nemeth / Jeff Deetrick</u>			
Project Name: DELTA UPLANDS 12/14/09			

Sample Identification	Date Collected	Time Collected	Matrix	Containers			Moisture (SM20 2540 G)	Cu (6010)	Pb (6010)	Se (6010)	Hg (7471)									Condition upon receipt:	
				Volume (ml)	Preserv	No.															
POM-S-536- <u>251 (6.0-6.5)</u>	<u>12/17/09</u>	<u>1010</u>	SW	125	None	1	X		X	X											intact
POM-S-536- <u>253 (6.0-6.5)</u>		<u>1035</u>	SW	125	None	1	X		X	X											
POM-S-536- <u>254 (5.0-5.5)</u>		<u>1100</u>	SW	125	None	1	X		X												
POM-S-536- <u>255 (5.0-5.5)</u>		<u>1122</u>	SW	125	None	1	X		X												
POM-S-536- <u>257 (5.0-5.5)</u>		<u>1144</u>	SW	125	None	1	X		X												
* POM-S-536- <u>258 (3.0-3.5)*</u>		<u>1400</u>	SW	125	None	1	X		X												
POM-S-536- <u>259 (3.0-3.5)</u>		<u>1430</u>	SW	125	None	1	X		X												
POM-S-536- <u>330 (0.0-0.5)</u>		<u>1533</u>	SW	125	None	1	X				X										
POM-S-536- <u>330 (2.0-2.5)</u>	<u>↓</u>	<u>1550</u>	SW	125	None	1	X		X												
POM-S-536-			SW	125	None	1	X														

Turnaround Time Requested (please circle): <u>Normal</u> <u>Rush</u> * Number of days: _____				Special Instructions: <u>* Please Analyze POM-S-536-258(3.0-3.5) on quick TAT.</u>			
Bottles Relinquished by: <u>Ko-L. Hunt</u>	Date: <u>12-14-09</u>	Time: <u>1400</u>	Bottles Received by: <u>George Nemeth</u>	Date: <u>12-18-09</u>	Time: <u>21030</u>		
Bottles Relinquished by: <u>George Nemeth</u>	Date: <u>12-18-09</u>	Time: <u>1316</u>	Bottles Received by: <u>G. Nemeth</u>	Date: <u>12-18-09</u>	Time: <u>1350</u>		
Bottles Relinquished by: <u>Be Kinley</u>	Date: <u>12-18-09</u>	Time: <u>1740</u>	Bottles Received by: _____	Date: _____	Time: _____		
Bottles Relinquished by: _____	Date: _____	Time: _____	Bottles Received by: _____	Date: <u>12/18/09</u>	Time: <u>1740</u>		



Environmental Sample Administration Receipt Documentation Log

Client/Project: DuPont Pumpton Lakes
 Date of Receipt: 12/18/09
 Time of Receipt: 1740
 Source Code: 01
 Unpacker Emp. No.: 2308

Shipping Container Sealed: YES NO

Custody Seal Present *: YES NO

* Custody seal was intact unless otherwise noted in the discrepancy section

Package: Chilled Not Chilled

Temperature of Shipping Containers							
Cooler #	Thermometer ID	Temperature (°C)	Temp Bottle (TB) or Surface Temp (ST)	Wet Ice (WI) or Dry Ice (DI) or Ice Packs (IP)	Ice Present? Y/N	Loose (L) Bagged Ice (B) or NA	Comments
1	0429951	4.2 ^{cc}	TB	WI	Y	B	
2			/				
3							
4							
5							
6							

Number of Trip Blanks received NOT listed on chain of custody: 0

Paperwork Discrepancy/Unpacking Problems:

Sample Administration Internal Chain of Custody			
Name	Date	Time	Reason for Transfer
<i>[Signature]</i>	12/18/09	1808	Unpacking to storage
<i>[Signature]</i>	12/18/09	1912	Place in Storage or Entry
			Entry
			Entry

Lancaster Laboratories Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

N.D.	none detected	BMQL	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	MPN	Most Probable Number
IU	International Units	CP Units	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	NTU	nephelometric turbidity units
C	degrees Celsius	F	degrees Fahrenheit
Cal	(diet) calories	lb.	pound(s)
meq	milliequivalents	kg	kilogram(s)
g	gram(s)	mg	milligram(s)
ug	microgram(s)	l	liter(s)
ml	milliliter(s)	ul	microliter(s)
m3	cubic meter(s)	fib >5 um/ml	fibers greater than 5 microns in length per ml
<	less than – The number following the sign is the <u>limit of quantitation</u> , the smallest amount of analyte which can be reliably determined using this specific test.		
>	greater than		
ppm	parts per million – One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.		
ppb	parts per billion		
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture.		

U.S. EPA data qualifiers:

Organic Qualifiers

A	TIC is a possible aldol-condensation product
B	Analyte was also detected in the blank
C	Pesticide result confirmed by GC/MS
D	Compound quantitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
J	Estimated value
N	Presumptive evidence of a compound (TICs only)
P	Concentration difference between primary and confirmation columns >25%
U	Compound was not detected
X,Y,Z	Defined in case narrative

Inorganic Qualifiers

B	Value is <CRDL, but ≥IDL
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike amount not within control limits
S	Method of standard additions (MSA) used for calculation
U	Compound was not detected
W	Post digestion spike out of control limits
*	Duplicate analysis not within control limits
+	Correlation coefficient for MSA <0.995

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

WARRANTY AND LIMITS OF LIABILITY – In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL LANCASTER LABORATORIES BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF LANCASTER LABORATORIES AND (B) WHETHER LANCASTER LABORATORIES HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Lancaster Laboratories which includes any conditions that vary from the Standard Terms and Conditions of Lancaster Laboratories and we hereby object to any conflicting terms contained in any acceptance or order submitted by client.

ANALYTICAL RESULTS

Prepared for:

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

January 04, 2010

Project: POM - DELTA UPLANDS

Samples arrived at the laboratory on Friday, December 18, 2009. The PO# for this group is LBIO-66380 and the release number is LA28382. The group number for this submittal is 1176020.


<u>Client Sample Description</u>	<u>Lancaster Labs (LLI) #</u>
POM-S-536-325(0.0-0.5) Unspiked Soil Sample	5869359
POM-S-536-325(0.0-0.5)-MS Matrix Spike Soil Sample	5869360
POM-S-536-325(0.0-0.5)-MSD Matrix Spike Dup Soil	5869361
POM-S-536-325(0.0-0.5) Duplicate Soil Sample	5869362
POM-S-536-325(0.0-0.5)-DUP Soil Sample	5869363

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

ELECTRONIC COPY TO	URS Corporation	Attn: George Nemeth
ELECTRONIC COPY TO	LLI	Attn: EDD Group
1 COPY TO	Data Package Group	

Questions? Contact your Client Services Representative
Nancy J Bornholm at (717) 656-2300

Respectfully Submitted,



Robert Strocko Jr.
Manager



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-325(0.0-0.5) Unspiked Soil Sample
DELTA UPLANDS 12/14/09

LLI Sample # SW 5869359
LLI Group # 1176020
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/18/2009 11:39 by GN

Account Number: 07032

Submitted: 12/18/2009 17:40
Reported: 01/04/2010 at 18:26
Discard: 02/04/2010

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

0-325 SDG#: DLN32-01BKG

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 7471A	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	10.2	0.291	2.54	20
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	24.9	0.50	0.50	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.						

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	093655711004	01/04/2010 11:11	Damary Valentin	20
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	093655711004	01/03/2010 23:00	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	09356820002B	12/22/2009 17:38	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-325(0.0-0.5)-MS Matrix Spike Soil Sample
DELTA UPLANDS 12/14/09

LLI Sample # SW 5869360
LLI Group # 1176020
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/18/2009 11:39 by GN

Account Number: 07032

Submitted: 12/18/2009 17:40
Reported: 01/04/2010 at 18:26
Discard: 02/04/2010

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

0-325 SDG#: DLN32-01MS

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 7471A	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	13.1	0.298	2.59	20
Wet Chemistry						
		SM20 2540 G	%	%	%	
00118	Moisture	n.a.	24.9	0.50	0.50	1

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	093655711004	01/04/2010 10:45	Damary Valentin	20
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	093655711004	01/03/2010 23:00	Annamaria Stipkovits	1
00118	Moisture	SM20 2540 G	1	09356820002B	12/22/2009 17:38	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-325(0.0-0.5)-MSD Matrix Spike Dup Soil
Sample
DELTA UPLANDS 12/14/09

LLI Sample # SW 5869361
LLI Group # 1176020
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/18/2009 11:39 by GN

Account Number: 07032

Submitted: 12/18/2009 17:40
Reported: 01/04/2010 at 18:26
Discard: 02/04/2010

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

0-325 SDG#: DLN32-01MSD

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 7471A	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	12.7	0.298	2.59	20
Wet Chemistry						
		SM20 2540 G	%	%	%	
00118	Moisture	n.a.	24.9	0.50	0.50	1

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	093655711004	01/04/2010 10:49	Damary Valentin	20
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	093655711004	01/03/2010 23:00	Annamaria Stipkovits	1
00118	Moisture	SM20 2540 G	1	09356820002B	12/22/2009 17:38	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-325(0.0-0.5) Duplicate Soil Sample
DELTA UPLANDS 12/14/09

LLI Sample # SW 5869362
LLI Group # 1176020
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/18/2009 11:39 by GN

Account Number: 07032

Submitted: 12/18/2009 17:40
Reported: 01/04/2010 at 18:26
Discard: 02/04/2010

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

0-325 SDG#: DLN32-01DUP

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals			SW-846 7471A	mg/kg	mg/kg	
00159	Mercury	7439-97-6	11.5	0.291	2.54	20
Wet Chemistry			SM20 2540 G	%	%	
00118	Moisture	n.a.	24.9	0.50	0.50	1
00121	Moisture Duplicate	n.a.	25.0	0.50	0.50	1
The duplicate moisture value is provided to assess the precision of the moisture test. For comparability purposes, the initial moisture determination is the value used to perform dry weight calculations.						

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	093655711004	01/04/2010 10:43	Damary Valentin	20
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	093655711004	01/03/2010 23:00	Annamaria Stipkovits	1
00118	Moisture	SM20 2540 G	1	09356820002B	12/22/2009 17:38	Scott W Freisher	1
00121	Moisture Duplicate	SM20 2540 G	1	09356820002B	12/22/2009 17:38	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-325(0.0-0.5)-DUP Soil Sample
DELTA UPLANDS 12/14/09

LLI Sample # SW 5869363
LLI Group # 1176020
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/18/2009 11:39 by GN

Account Number: 07032

Submitted: 12/18/2009 17:40
Reported: 01/04/2010 at 18:26
Discard: 02/04/2010

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

3250D SDG#: DLN32-02FD

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 7471A	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	15.3	0.361	3.14	25
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	21.7	0.50	0.50	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.						

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	093655711004	01/04/2010 10:57	Damary Valentin	25
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	093655711004	01/03/2010 23:00	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	09356820002B	12/22/2009 17:38	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Quality Control Summary

 Client Name: CRG-E.I.DuPont de Nemours & Co
 Reported: 01/04/10 at 06:26 PM

Group Number: 1176020

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: 093655711004 Mercury	Sample number(s): 5869359-5869363								
	N.D.	0.0114	0.0992	mg/kg	94		66-135		
Batch number: 09356820002B Moisture	Sample number(s): 5869359-5869363				100		99-101		
Moisture					100		99-101		
Moisture Duplicate					100		99-101		

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
 Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>RPD MAX</u>	<u>BKG Conc</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>
Batch number: 093655711004 Mercury	Sample number(s): 5869359-5869363			UNSPK:	5869359	BKG:	5869359		
	1341	1141	80-120	3	20	7.65	8.63	12 (1)	20
	(2)	(2)							
Batch number: 09356820002B Moisture	Sample number(s): 5869359-5869363			BKG:	5869359				
Moisture						24.9	25.0	1	15
Moisture						24.9	25.0	1	15
Moisture Duplicate						24.9	25.0	1	15

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.



Analysis Request / Environmental Services Chain of Custody

2 of 4

For Lancaster Laboratories Use Only

Group No.: 1176020 Sample Nos.: 5869359-63
 Acc't: 07032 SQR/No.: 84887 Cooler No.: C17241 15072
 Cooler Temperature upon receipt: 4.2 °C Container No.: 1

Facility Name: Pompton Lakes			Project Manager: Maj Vetter				Analyses Required										Comments:									
Facility Contact: George Nemeth			Facility Contact Phone No.: 973-492-7735																							
Facility Address: Pompton Lakes Works			Job No.: 9267-7720100C-WH06507906																							
2000 Cannonball Road			Release No.: LA28382																							
Pompton Lakes NJ 07442			PO Number: LBIO-66380																							
Sampler(s): <u>G. Nemeth / D. Youngblood / J. Detrick</u>													Condition upon receipt: <u>intact</u>													
Project Name: DELTA UPLANDS 12/14/09																										
Sample Identification			Date Collected	Time Collected	Matrix	Containers			Moisture (SM20 2540 G)	Cu (6010)	Pb (6010)	Se (6010)	Hg (7471)													
			Volume (ml)	Preserv	No.																					
POM-S-536-	<u>261 (3.0-3.5)</u>	<u>12/18/09</u>	<u>0903</u>	SW	125	None	1	X		X																
POM-S-536-	<u>260 (3.0-3.5)</u>	<u>12/18/09</u>	<u>0927</u>	SW	125	None	1	X		X																
POM-S-536-	<u>329 (0.0-0.5)</u>	<u>12/18/09</u>	<u>1010</u>	SW	125	None	1	X				X														
POM-S-536-	<u>329 (2.0-2.5)</u>	<u>12/18/09</u>	<u>1013</u>	SW	125	None	1	X		X																
POM-S-536-	<u>329 (3.0-3.5)</u>	<u>12/18/09</u>	<u>1015</u>	SW	125	None	1	X				X														
POM-S-536-	<u>326 (0.0-0.5)</u>	<u>12/18/09</u>	<u>1030</u>	SW	125	None	1	X		X																
POM-S-536-	<u>325 (0.0-0.5)</u>	<u>12/18/09</u>	<u>1139</u>	SW	125	None	1	X				X														
POM-S-536-				SW	125	None	1	X																		
POM-S-536-				SW	125	None	1	X																		

Turnaround Time Requested (please circle): <u>Normal</u> Rush Number of days: _____				Special Instructions:			
Bottles Relinquished by: <u>George Nemeth</u>		Date: <u>12-14-09</u>	Time: <u>1400</u>	Bottles Received by: <u>George Nemeth</u>		Date: <u>12-16-09</u>	Time: <u>11030</u>
Bottles Relinquished by: <u>George Nemeth</u>		Date: <u>12-18-09</u>	Time: <u>1316</u>	Bottles Received by: <u>R. Kindig</u>		Date: <u>12-18-09</u>	Time: <u>1350</u>
Bottles Relinquished by: <u>R. Kindig</u>		Date: <u>12-18-09</u>	Time: <u>1740</u>	Bottles Received by: <u>R. Kindig</u>		Date: <u>12/18/09</u>	Time: <u>1740</u>



Analysis Request / Environmental Services Chain of Custody

4 of 4

For Lancaster Laboratories Use Only

Group No.: 1176020 Sample Nos.: 5869259-63
 Acc't: 07032 SCR No.: 84887 Cooler No.: C17087 15073
 Cooler Temperature upon receipt: 4.2 °C Container No.: _____

Facility Name: Pompton Lakes		Project Manager: Marj Vetter		Analyses Required										Comments:								
Facility Contact: George Nemeth		Facility Contact Phone No.: 973-492-7735																				
Facility Address: Pompton Lakes Works		Job No.: 9267-7720100C-WH06507906																				
2000 Cannonball Road		Release No.: LA28382																				
Pompton Lakes NJ 07442		PO Number: LBIO-66380																				
Sampler(s): <u>George Nemeth / Dan Youngblood / Jeff Detrick</u>		Project Name: DELTA UPLANDS 12/14/09																				
Sample Identification	Date Collected	Time Collected	Matrix	Containers			Moisture (SM20 2540 G)	Cu (6010)	Pb (6010)	Se (6010)	Hg (7471)									Condition upon receipt:		
				Volume (ml)	Preserv	No.																
POM-S-536-325(0.0-0.5) -MS	12/18/09	1139	SW	125	None	1	X			X											intact	
POM-S-536-325(0.0-0.5) -MSD		1139	SW	125	None	1	X			X												
POM-S-536-325(0.0-0.5) -DUP		1139	SW	125	None	1	X			X												
POM-K-EQBLK 12	12/17/09	1530	WW	500	HNO ₃	1		X		X												
POM-K-EQBLK 13	12/18/09	1136	WW	500	HNO ₃	1		X		X												
Turnaround Time Requested (please circle): <u>Normal</u> Rush Number of days: _____							Special Instructions:															
Bottles Relinquished by: <u>George Nemeth</u>		Date: <u>12-18-09</u>	Time: <u>1410</u>	Bottles Received by: <u>George Nemeth</u>		Date: <u>12-16-09</u>	Time: <u>~1030</u>															
Bottles Relinquished by: <u>George Nemeth</u>		Date: <u>12-18-09</u>	Time: <u>1316</u>	Bottles Received by: <u>R. Knudly</u>		Date: <u>12-18-09</u>	Time: <u>1350</u>															
Bottles Relinquished by: <u>R. Knudly</u>		Date: <u>12-18-09</u>	Time: <u>1740</u>	Bottles Received by: <u>R. Knudly</u>		Date: <u>12/18/09</u>	Time: <u>1740</u>															

**Environmental Sample Administration
Receipt Documentation Log**

Client/Project: DuPont Pumpton Lakes
 Date of Receipt: 12/18/09
 Time of Receipt: 1740
 Source Code: 01
 Unpacker Emp. No.: 2308

Shipping Container Sealed: YES NO
 Custody Seal Present *: YES NO

* Custody seal was intact unless otherwise noted in the discrepancy section

Package: Chilled Not Chilled

Temperature of Shipping Containers							
Cooler #	Thermometer ID	Temperature (°C)	Temp Bottle (TB) or Surface Temp (ST)	Wet Ice (WI) or Dry Ice (DI) or Ice Packs (IP)	Ice Present? Y/N	Loose (L) Bagged Ice (B) or NA	Comments
1	0429951	4.2 ^{cc}	TB	WI	Y	B	
2			/				
3							
4							
5							
6							

Number of Trip Blanks received NOT listed on chain of custody: 0

Paperwork Discrepancy/Unpacking Problems:

Sample Administration Internal Chain of Custody			
Name	Date	Time	Reason for Transfer
<i>[Signature]</i>	12/18/09	1808	Unpacking to storage
<i>[Signature]</i>	12/18/09	1912	Place in Storage or Entry
			Entry
			Entry

Lancaster Laboratories Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

N.D.	none detected	BMQL	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	MPN	Most Probable Number
IU	International Units	CP Units	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	NTU	nephelometric turbidity units
C	degrees Celsius	F	degrees Fahrenheit
Cal	(diet) calories	lb.	pound(s)
meq	milliequivalents	kg	kilogram(s)
g	gram(s)	mg	milligram(s)
ug	microgram(s)	l	liter(s)
ml	milliliter(s)	ul	microliter(s)
m3	cubic meter(s)	fib >5 um/ml	fibers greater than 5 microns in length per ml
<	less than – The number following the sign is the <u>limit of quantitation</u> , the smallest amount of analyte which can be reliably determined using this specific test.		
>	greater than		
ppm	parts per million – One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.		
ppb	parts per billion		
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture.		

U.S. EPA data qualifiers:

Organic Qualifiers

A	TIC is a possible aldol-condensation product
B	Analyte was also detected in the blank
C	Pesticide result confirmed by GC/MS
D	Compound quantitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
J	Estimated value
N	Presumptive evidence of a compound (TICs only)
P	Concentration difference between primary and confirmation columns >25%
U	Compound was not detected
X,Y,Z	Defined in case narrative

Inorganic Qualifiers

B	Value is <CRDL, but ≥IDL
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike amount not within control limits
S	Method of standard additions (MSA) used for calculation
U	Compound was not detected
W	Post digestion spike out of control limits
*	Duplicate analysis not within control limits
+	Correlation coefficient for MSA <0.995

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

WARRANTY AND LIMITS OF LIABILITY – In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL LANCASTER LABORATORIES BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF LANCASTER LABORATORIES AND (B) WHETHER LANCASTER LABORATORIES HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Lancaster Laboratories which includes any conditions that vary from the Standard Terms and Conditions of Lancaster Laboratories and we hereby object to any conflicting terms contained in any acceptance or order submitted by client.

Memorandum

DATE: JUNE 2, 2010

TO: GEORGE NEMETH

MARJ VETTER

FROM: Dyana C. Saggas

RE: DELTA UPLANDS 12/21/09

Enclosed is the data report for solid samples collected 12/21-22/09. The samples were submitted to Lancaster Laboratories, Lancaster PA for the analyses listed below (not all analyses were scheduled for all samples- refer to the attached custody forms). All samples were received at the laboratory and analyzed within the recommended EPA holding times.

ANALYSIS	METHOD
Lead, Selenium	SW 846 6010B
Mercury	SW-846 7471A/ 7470A
Moisture (percent)	SM20 2540G

The electronic data submitted for this sampling event was reviewed via the DuPont Data Review (DDR) process. No significant QC exceptions were noted during the review. Some of the data has been qualified due to detections between the method detection limit and practical quantitation limit and low matrix spike recoveries for lead. The chain of custody pages are printed with the project name as Delta Uplands 12/14/09, this was changed to Delta Uplands 12/21/09 at sample receipt.

Per the field, a sample was inadvertently identified as POM-S-536-331(4.0-4.5), collected 12/21/09, on the sample jar and the chain of custody. A request was made to correct the sample id to POM-S-5.36-296D2(4.0-4.5), no change was necessary to the collection date of 12/21/09. This corrected sample id will be seen in the database, but not on the lab report.

Some of the sample ids have a "D" in them. They are, POM-S-536-35D(2.0-2.5), -536-291D(4.0-4.5), -536-296D(4.0-4.5) collected 12/21/09, -536-19D2(5.0-5.5), -536-21D2(7.0-7.5) and -536-118D2(7.0-7.5) collected 12/22/09. This is to define cores that were sampled for either horizontal step out delineation or further depth delineation.

If the initial core location met the screening criteria, it had the core number only. If the sample was found to be above criteria it was recollected by macrocore at the same location and labeled with a "D". If the sample was still found to still be above criteria, the field went back to the same location, macrocored deeper, and the interval was labeled D2.

Please do not hesitate to contact me if you have any questions regarding this report.

DuPont In-House Review (DDR)

The DDR is an automated internal review process used by the ADQM group to determine if the data is usable. The data is run through this automated program where a series of checks are performed on the data. The data is evaluated against hold time criteria, checked for blank contamination, assessed against matrix spike(MS)/matrix spike duplicate (MSD) recoveries, assessed against relative percent differences (RPDs) between these samples, assessed against laboratory control sample(LCS)/control sample duplicate (LCSD) recoveries, assessed against RPDs between these samples, assessed against RPDs between laboratory replicates, and assessed against surrogate spike recoveries. The DDR applies the following data qualifiers to analysis results, as warranted:

Qualifier	Definition
B	Not detected substantially above the level reported in the laboratory or field blanks.
R	Unusable result. Analyte may or may not be present in the sample.
J	Analyte present. Reported value may not be accurate or precise.
UJ	Not detected. Reporting limit may not be accurate or precise.

Laboratory Qualifiers

The laboratory may have applied one or more of the following data qualifiers to analysis results, as warranted:

DIL	The concentration is estimated or not reported due to dilution or to the presence of interfering analytes.
NC	The recovery and or RPD were not calculated.
J	Estimated value; result falls between method detection limit (mdl) and practical quantitation limit (pql).
U	Analyte was not detected at the specified reporting limit
B	Analyte concentration is not significantly greater than that detected in an associated method blank.

J	Estimated value; result falls between method detection limit (mdl) and practical quantitation limit (pql).
*	Surrogate recovery is outside stated control limits.
J	Method blank contamination. The associated method blank contains the target analyte at a reportable level.
B	Estimated result. Result is less than reporting limit (RL)
Q	Elevated reporting limit. The reporting limit is elevated because sample dilution was required to bring target compounds within calibration range of the analytical system.
G	Elevated reporting limit. The reporting limit is elevated because sample dilution was required for analysis due to matrix interference.

These lab qualifiers are applied independent of DuPont In-House Data Review (DDR) qualifiers.

**DUPONT POMPTON LAKES WORKS
DELTA UPLANDS 12/21/09**

Pompton Lakes, NJ

June 2, 2010

Prepared for

George Nemeth, URS Diamond

Prepared by

URS
ADQM Group – Dyana C. Sagges
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark, DE 19713

**Corporate Environmental Database
DDR Narrative Report**

Site: POM - POMPTON LAKES WORKS

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Reporting Limit: MDL

DDR Standards LABSTATS

The reported result is greater than/equal to the MDL and less than the PQL; it should be considered an estimated value.

Sample ID	Date Sampled	Lab ID	Analyte	Result	Units	MDL	PQL	Qual	Analytical Methods	
									Analysis	Preprep- Prep-
POM-S-536-118D2(7.0-7.5)	12/22/2009	5872568-HG FS	MERCURY	0.0445	MG/K	0.0127	0.111	J	7471A	7471A MOD.
POM-S-536-21D2(7.0-7.5)	12/22/2009	5872572-HG FS	MERCURY	0.0663	MG/K	0.0134	0.117	J	7471A	7471A MOD.
POM-S-536-296D2(4.0-4.5)	12/21/2009	5872551-HG FS	MERCURY	0.0342	MG/K	0.0164	0.143	J	7471A	7471A MOD.
POM-S-536-334(1.5-2.0)	12/22/2009	5872565-HG FS	MERCURY	0.0249	MG/K	0.0123	0.107	J	7471A	7471A MOD.
POM-S-536-335(2.0-2.5)	12/22/2009	5872566-HG FS	MERCURY	0.0807	MG/K	0.0119	0.103	J	7471A	7471A MOD.
POM-S-536-335(3.0-3.5)	12/22/2009	5872567-HG FS	MERCURY	0.0660	MG/K	0.0124	0.108	J	7471A	7471A MOD.

Associated MS and/or MSD analysis had relative percent recovery (RPR) values less than the lower control limit but above 10%. The reported result may be biased low.

Sample ID	Date Sampled	Lab ID	Analyte	Result	Units	MDL	PQL	Qual	Analytical Methods	
									Analysis	Preprep- Prep-
POM-S-536-277(1.5-2.0)	12/22/2009	5872571-PB FS	LEAD	35.1	MG/K	0.736	1.84	J	6010B	3050B
POM-S-536-305(0.0-0.5)	12/22/2009	5872570-PB FS	LEAD	174	MG/K	0.733	1.83	J	6010B	3050B
POM-S-536-306(3.0-3.5)	12/21/2009	5872552-PB FS	LEAD	32.1	MG/K	0.875	2.19	J	6010B	3050B
POM-S-536-306(3.0-3.5)-DUP	12/21/2009	5872556-PB FS	LEAD	28.2	MG/K	0.905	2.26	J	6010B	3050B
POM-S-536-328(0.0-0.5)	12/22/2009	5872569-PB FS	LEAD	103	MG/K	0.755	1.89	J	6010B	3050B
POM-S-536-330(0.0-0.5)	12/22/2009	5872559-PB FS	LEAD	227	MG/K	0.830	2.07	J	6010B	3050B
POM-S-536-330(2.0-2.5)	12/22/2009	5872561-PB FS	LEAD	299	MG/K	0.868	2.17	J	6010B	3050B
POM-S-536-331(0.0-0.5)	12/22/2009	5872562-PB FS	LEAD	522	MG/K	1.04	2.60	J	6010B	3050B
POM-S-536-331(2.0-2.5)	12/22/2009	5872563-PB FS	LEAD	6.06	MG/K	0.631	1.58	J	6010B	3050B

**Corporate Environmental Database
Summary of Positive Results
with Laboratory and DDR Qualifiers**

Site: POM - POMPTON LAKES WORKS

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Project: DELTA UPLANDS 12/21/09

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Reporting Limit: MDL

Analyte/Parameter	Result	Qualifiers		Unit	Detection Limit		Analytical Methods		
		LAB	DDR		MDL	PQL	Analysis	Preprep-	Prep-
Sampling Point: 536N-305 Date sampled: Dec 22, 2009				Sampleno: POM-S-536-305(0.0-0.5) Sample type: Soil					
LEAD	174		J	MG/KG	0.733	1.83	6010B		3050B
MOISTURE	18.2			%	0.50	0.50	SM 2540 G		
Sampling Point: 536N-328 Date sampled: Dec 22, 2009				Sampleno: POM-S-536-328(0.0-0.5) Sample type: Soil					
LEAD	103		J	MG/KG	0.755	1.89	6010B		3050B
MOISTURE	20.5			%	0.50	0.50	SM 2540 G		
Sampling Point: 536N-330 Date sampled: Dec 22, 2009				Sampleno: POM-S-536-330(0.0-0.5) Sample type: Soil					
LEAD	227		J	MG/KG	0.830	2.07	6010B		3050B
MOISTURE	28.4			%	0.50	0.50	SM 2540 G		
Sampling Point: 536N-330 Date sampled: Dec 22, 2009				Sampleno: POM-S-536-330(1.0-1.5) Sample type: Soil					
MERCURY	3.44			MG/KG	0.129	1.12	7471A		7471A MOD.
MOISTURE	16.2			%	0.50	0.50	SM 2540 G		
Sampling Point: 536N-330 Date sampled: Dec 22, 2009				Sampleno: POM-S-536-330(2.0-2.5) Sample type: Soil					
LEAD	299		J	MG/KG	0.868	2.17	6010B		3050B
MOISTURE	33.5			%	0.50	0.50	SM 2540 G		
Sampling Point: 536N-331 Date sampled: Dec 22, 2009				Sampleno: POM-S-536-331(0.0-0.5) Sample type: Soil					
LEAD	522		J	MG/KG	1.04	2.60	6010B		3050B
MOISTURE	43.9			%	0.50	0.50	SM 2540 G		
Sampling Point: 536N-331 Date sampled: Dec 22, 2009				Sampleno: POM-S-536-331(2.0-2.5) Sample type: Soil					
LEAD	6.06		J	MG/KG	0.631	1.58	6010B		3050B
MOISTURE	8.5			%	0.50	0.50	SM 2540 G		
Sampling Point: 536N-331 Date sampled: Dec 22, 2009				Sampleno: POM-S-536-331(3.0-3.5) Sample type: Soil					
MERCURY	1.30			MG/KG	0.0612	0.533	7471A		7471A MOD.
MOISTURE	8.9			%	0.50	0.50	SM 2540 G		
Sampling Point: 536N-332 Date sampled: Dec 22, 2009				Sampleno: POM-S-536-332(5.0-5.5) Sample type: Soil					
MERCURY	0.189			MG/KG	0.0120	0.105	7471A		7471A MOD.

**Corporate Environmental Database
Summary of Positive Results
with Laboratory and DDR Qualifiers**

Site: POM - POMPTON LAKES WORKS

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Project: DELTA UPLANDS 12/21/09

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Reporting Limit: MDL

Analyte/Parameter	Result	Qualifiers		Unit	Detection Limit		Analytical Methods		
		LAB	DDR		MDL	PQL	Analysis	Preprep-	Prep-
Sampling Point: 536N-332 Date sampled: Dec 22, 2009		Sampleno:	POM-S-536-332(5.0-5.5)						
		Sample type:	Soil						
MOISTURE	8.7			%	0.50	0.50	SM 2540 G		
Sampling Point: 536N-333 Date sampled: Dec 21, 2009		Sampleno:	POM-S-536-333(5.0-5.5)						
		Sample type:	Soil						
MERCURY	1.90			MG/KG	0.0675	0.588	7471A		7471A MOD.
MOISTURE	18.4			%	0.50	0.50	SM 2540 G		
Sampling Point: 536N-334 Date sampled: Dec 22, 2009		Sampleno:	POM-S-536-334(1.5-2.0)						
		Sample type:	Soil						
MERCURY	0.0249	J	J	MG/KG	0.0123	0.107	7471A		7471A MOD.
MOISTURE	11.7			%	0.50	0.50	SM 2540 G		
Sampling Point: 536N-335 Date sampled: Dec 22, 2009		Sampleno:	POM-S-536-335(2.0-2.5)						
		Sample type:	Soil						
MERCURY	0.0807	J	J	MG/KG	0.0119	0.103	7471A		7471A MOD.
MOISTURE	8.8			%	0.50	0.50	SM 2540 G		
Sampling Point: 536N-335 Date sampled: Dec 22, 2009		Sampleno:	POM-S-536-335(3.0-3.5)						
		Sample type:	Soil						
MERCURY	0.0660	J	J	MG/KG	0.0124	0.108	7471A		7471A MOD.
MOISTURE	10.3			%	0.50	0.50	SM 2540 G		
Sampling Point: 536N-36D Date sampled: Dec 21, 2009		Sampleno:	POM-S-536-36D(2.0-2.5)						
		Sample type:	Soil						
MERCURY	4.70			MG/KG	0.132	1.15	7471A		7471A MOD.
MOISTURE	14.1			%	0.50	0.50	SM 2540 G		
Sampling Point: 536N-19D2 Date sampled: Dec 22, 2009		Sampleno:	POM-S-536-19D2(5.0-5.5)						
		Sample type:	Soil						
MERCURY	1.23			MG/KG	0.0174	0.152	7471A		7471A MOD.
MOISTURE	36.1			%	0.50	0.50	SM 2540 G		
Sampling Point: 536N-21D2 Date sampled: Dec 22, 2009		Sampleno:	POM-S-536-21D2(7.0-7.5)						
		Sample type:	Soil						
MERCURY	0.0663	J	J	MG/KG	0.0134	0.117	7471A		7471A MOD.
MOISTURE	17.6			%	0.50	0.50	SM 2540 G		
Sampling Point: 536N-291D Date sampled: Dec 21, 2009		Sampleno:	POM-S-536-291D(4.0-4.5)						
		Sample type:	Soil						
MERCURY	14.7			MG/KG	0.716	6.24	7471A		7471A MOD.
MOISTURE	22.9			%	0.50	0.50	SM 2540 G		

**Corporate Environmental Database
Summary of Positive Results
with Laboratory and DDR Qualifiers**

Site: POM - POMPTON LAKES WORKS

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Project: DELTA UPLANDS 12/21/09

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Reporting Limit: MDL

Analyte/Parameter	Result	Qualifiers		Unit	Detection Limit		Analytical Methods		
		LAB	DDR		MDL	PQL	Analysis	Preprep-	Prep-
Sampling Point: 536N-118D2 Date sampled: Dec 22, 2009				Sample no: POM-S-536-118D2(7.0-7.5) Sample type: Soil					
MERCURY	0.0445	J	J	MG/KG	0.0127	0.111	7471A		7471A MOD.
MOISTURE	11.9			%	0.50	0.50	SM 2540 G		
Sampling Point: 536N-296D2 Date sampled: Dec 21, 2009				Sample no: POM-S-536-296D2(4.0-4.5) Sample type: Soil					
MERCURY	0.0342	J	J	MG/KG	0.0164	0.143	7471A		7471A MOD.
MOISTURE	32.4			%	0.50	0.50	SM 2540 G		
Sampling Point: 536N-277 Date sampled: Dec 22, 2009				Sample no: POM-S-536-277(1.5-2.0) Sample type: Soil					
LEAD	35.1		J	MG/KG	0.736	1.84	6010B		3050B
MERCURY	4.17			MG/KG	0.137	1.20	7471A		7471A MOD.
MOISTURE	18.5			%	0.50	0.50	SM 2540 G		
Sampling Point: 536N-306 Date sampled: Dec 21, 2009				Sample no: POM-S-536-306(3.0-3.5) Sample type: Soil					
LEAD	32.1		J	MG/KG	0.875	2.19	6010B		3050B
MERCURY	1.83			MG/KG	0.0811	0.706	7471A		7471A MOD.
MOISTURE	31.4			%	0.50	0.50	SM 2540 G		
Sampling Point: 536N-306 Date sampled: Dec 21, 2009				Sample no: POM-S-536-306(3.0-3.5)-DUP Sample type: Soil					
LEAD	28.2		J	MG/KG	0.905	2.26	6010B		3050B
MERCURY	2.74			MG/KG	0.0847	0.738	7471A		7471A MOD.
MOISTURE	33.7			%	0.50	0.50	SM 2540 G		

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Reporting Limit: MDL

Location: 536N-EQBLK14

Field Sample ID: POM-K-536-EQBLK14

Date Sampled: 12/21/2009 15:20:00

Sample Type: Blank Water

Lab Sample ID: 5872575-HG EB

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MERCURY	< 0.000056	U		MG/L	1	0.00020	0.000056	12/30/09	7470A		METHOD
LEAD	< 0.0069	U		MG/L	1	0.0150	0.0069	12/31/09	6010B		3010A

Location: 536N-EQBLK15

Field Sample ID: POM-K-536-EQBLK15

Date Sampled: 12/22/2009 13:25:00

Sample Type: Blank Water

Lab Sample ID: 5872576-HG EB

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MERCURY	< 0.000056	U		MG/L	1	0.00020	0.000056	12/30/09	7470A		METHOD
LEAD	< 0.0069	U		MG/L	1	0.0150	0.0069	12/31/09	6010B		3010A
SELENIUM	< 0.0089	U		MG/L	1	0.0200	0.0089	12/31/09	6010B		3010A

Location: 536N-36D

Field Sample ID: POM-S-536-36D(2.0-2.5)

Date Sampled: 12/21/2009 11:40:00

Sample Type: Soil

Lab Sample ID: 5872550-HG FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MERCURY	4.70			MG/KG	10	1.15	0.132	01/04/10	7471A		7471A MOD.
MOISTURE	14.1			%	1	0.50	0.50	12/28/09	SM 2540 G		

Location: 536N-296D2

Field Sample ID: POM-S-536-296D2(4.0-4.5)

Date Sampled: 12/21/2009 12:20:00

Sample Type: Soil

Lab Sample ID: 5872551-HG FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MERCURY	0.0342	J	J	MG/KG	1	0.143	0.0164	01/04/10	7471A		7471A MOD.
MOISTURE	32.4			%	1	0.50	0.50	12/28/09	SM 2540 G		

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Reporting Limit: MDL

Location: 536N-306

Field Sample ID: POM-S-536-306(3.0-3.5)

Date Sampled: 12/21/2009 15:15:00

Sample Type: Soil

Lab Sample ID: 5872552-HG FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MERCURY	1.83			MG/KG	5	0.706	0.0811	01/04/10	7471A		7471A MOD.
MOISTURE	31.4			%	1	0.50	0.50	12/29/09	SM 2540 G		
LEAD	32.1		J	MG/KG	1	2.19	0.875	01/05/10	6010B		3050B

Location: 536N-306

Field Sample ID: POM-S-536-306(3.0-3.5)-DUP

Date Sampled: 12/21/2009 15:15:00

Sample Type: Soil

Lab Sample ID: 5872556-HG FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MERCURY	2.74			MG/KG	5	0.738	0.0847	01/04/10	7471A		7471A MOD.
MOISTURE	33.7			%	1	0.50	0.50	12/28/09	SM 2540 G		
LEAD	28.2		J	MG/KG	1	2.26	0.905	01/05/10	6010B		3050B

Location: 536N-291D

Field Sample ID: POM-S-536-291D(4.0-4.5)

Date Sampled: 12/21/2009 16:20:00

Sample Type: Soil

Lab Sample ID: 5872557-HG FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MERCURY	14.7			MG/KG	50	6.24	0.716	01/04/10	7471A		7471A MOD.
MOISTURE	22.9			%	1	0.50	0.50	12/28/09	SM 2540 G		

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Location: 536N-333

Field Sample ID: POM-S-536-333(5.0-5.5)

Date Sampled: 12/21/2009 16:50:00

Sample Type: Soil

Lab Sample ID: 5872558-HG FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MERCURY	1.90			MG/KG	5	0.588	0.0675	01/04/10	7471A		7471A MOD.
MOISTURE	18.4			%	1	0.50	0.50	12/28/09	SM 2540 G		

Location: 536N-330

Field Sample ID: POM-S-536-330(0.0-0.5)

Date Sampled: 12/22/2009 09:40:00

Sample Type: Soil

Lab Sample ID: 5872559-MOIST FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MOISTURE	28.4			%	1	0.50	0.50	12/28/09	SM 2540 G		
LEAD	227	J		MG/KG	1	2.07	0.830	01/05/10	6010B		3050B

Location: 536N-330

Field Sample ID: POM-S-536-330(1.0-1.5)

Date Sampled: 12/22/2009 09:50:00

Sample Type: Soil

Lab Sample ID: 5872560-HG FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MERCURY	3.44			MG/KG	10	1.12	0.129	01/04/10	7471A		7471A MOD.
MOISTURE	16.2			%	1	0.50	0.50	12/28/09	SM 2540 G		

Location: 536N-330

Field Sample ID: POM-S-536-330(2.0-2.5)

Date Sampled: 12/22/2009 09:54:00

Sample Type: Soil

Lab Sample ID: 5872561-MOIST FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MOISTURE	33.5			%	1	0.50	0.50	12/28/09	SM 2540 G		
LEAD	299	J		MG/KG	1	2.17	0.868	01/05/10	6010B		3050B

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Reporting Limit: MDL

Location: 536N-331

Field Sample ID: POM-S-536-331(0.0-0.5)

Date Sampled: 12/22/2009 10:16:00

Sample Type: Soil

Lab Sample ID: 5872562-MOIST FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MOISTURE	43.9			%	1	0.50	0.50	12/28/09	SM 2540 G		
LEAD	522		J	MG/KG	1	2.60	1.04	01/05/10	6010B	3050B	

Location: 536N-331

Field Sample ID: POM-S-536-331(2.0-2.5)

Date Sampled: 12/22/2009 10:21:00

Sample Type: Soil

Lab Sample ID: 5872563-MOIST FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MOISTURE	8.5			%	1	0.50	0.50	12/28/09	SM 2540 G		
LEAD	6.06		J	MG/KG	1	1.58	0.631	01/05/10	6010B	3050B	

Location: 536N-331

Field Sample ID: POM-S-536-331(3.0-3.5)

Date Sampled: 12/22/2009 10:24:00

Sample Type: Soil

Lab Sample ID: 5872564-HG FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MERCURY	1.30			MG/KG	5	0.533	0.0612	01/04/10	7471A	7471A MOD.	
MOISTURE	8.9			%	1	0.50	0.50	12/28/09	SM 2540 G		

Location: 536N-334

Field Sample ID: POM-S-536-334(1.5-2.0)

Date Sampled: 12/22/2009 10:46:00

Sample Type: Soil

Lab Sample ID: 5872565-HG FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MERCURY	0.0249	J	J	MG/KG	1	0.107	0.0123	01/04/10	7471A	7471A MOD.	
MOISTURE	11.7			%	1	0.50	0.50	12/28/09	SM 2540 G		

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Reporting Limit: MDL

Location: 536N-335

Field Sample ID: POM-S-536-335(2.0-2.5)

Date Sampled: 12/22/2009 11:13:00

Sample Type: Soil

Lab Sample ID: 5872566-HG FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MERCURY	0.0807	J	J	MG/KG	1	0.103	0.0119	01/04/10	7471A	7471A MOD.	
MOISTURE	8.8			%	1	0.50	0.50	12/28/09	SM 2540 G		

Location: 536N-335

Field Sample ID: POM-S-536-335(3.0-3.5)

Date Sampled: 12/22/2009 11:18:00

Sample Type: Soil

Lab Sample ID: 5872567-HG FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MERCURY	0.0660	J	J	MG/KG	1	0.108	0.0124	01/04/10	7471A	7471A MOD.	
MOISTURE	10.3			%	1	0.50	0.50	12/28/09	SM 2540 G		

Location: 536N-118D2

Field Sample ID: POM-S-536-118D2(7.0-7.5)

Date Sampled: 12/22/2009 11:47:00

Sample Type: Soil

Lab Sample ID: 5872568-HG FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MERCURY	0.0445	J	J	MG/KG	1	0.111	0.0127	01/04/10	7471A	7471A MOD.	
MOISTURE	11.9			%	1	0.50	0.50	12/28/09	SM 2540 G		

Location: 536N-328

Field Sample ID: POM-S-536-328(0.0-0.5)

Date Sampled: 12/22/2009 13:14:00

Sample Type: Soil

Lab Sample ID: 5872569-MOIST FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MOISTURE	20.5			%	1	0.50	0.50	12/28/09	SM 2540 G		
LEAD	103		J	MG/KG	1	1.89	0.755	01/06/10	6010B	3050B	

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Location: 536N-305

Field Sample ID: POM-S-536-305(0.0-0.5)

Date Sampled: 12/22/2009 13:22:00

Sample Type: Soil

Lab Sample ID: 5872570-MOIST FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MOISTURE	18.2			%	1	0.50	0.50	12/28/09	SM 2540 G		
LEAD	174		J	MG/KG	1	1.83	0.733	01/06/10	6010B	3050B	
SELENIUM	< 1.20		U	MG/KG	1	2.44	1.20	01/06/10	6010B	3050B	

Location: 536N-277

Field Sample ID: POM-S-536-277(1.5-2.0)

Date Sampled: 12/22/2009 13:41:00

Sample Type: Soil

Lab Sample ID: 5872571-HG FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MERCURY	4.17			MG/KG	10	1.20	0.137	01/04/10	7471A	7471A MOD.	
MOISTURE	18.5			%	1	0.50	0.50	12/28/09	SM 2540 G		
LEAD	35.1		J	MG/KG	1	1.84	0.736	01/06/10	6010B	3050B	

Location: 536N-21D2

Field Sample ID: POM-S-536-21D2(7.0-7.5)

Date Sampled: 12/22/2009 14:20:00

Sample Type: Soil

Lab Sample ID: 5872572-HG FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MERCURY	0.0663	J	J	MG/KG	1	0.117	0.0134	01/04/10	7471A	7471A MOD.	
MOISTURE	17.6			%	1	0.50	0.50	12/28/09	SM 2540 G		

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Reporting Limit: MDL

Location: 536N-19D2

Field Sample ID: POM-S-536-19D2(5.0-5.5)

Date Sampled: 12/22/2009 14:49:00

Sample Type: Soil

Lab Sample ID: 5872573-HG FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
<u>Analytes</u>											
MERCURY	1.23			MG/KG	1	0.152	0.0174	01/04/10	7471A		7471A MOD.
MOISTURE	36.1			%	1	0.50	0.50	12/28/09	SM 2540 G		

Location: 536N-332

Field Sample ID: POM-S-536-332(5.0-5.5)

Date Sampled: 12/22/2009 15:53:00

Sample Type: Soil

Lab Sample ID: 5872574-HG FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
<u>Analytes</u>											
MERCURY	0.189			MG/KG	1	0.105	0.0120	01/04/10	7471A		7471A MOD.
MOISTURE	8.7			%	1	0.50	0.50	12/29/09	SM 2540 G		

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Batch Identifier 262202 3010A 6010B 30-DEC-09 093635705003 16315

Method Number: 6010B Prep Method: 3010A Pre-prep:
Batch Start Date: 12/30/2009 Instrument: 16315

Analyte/Parameter	Result	Unit	MDL	PQL	RPR	RPR Limits		RPD	
						Min	Max	RPD	Max
Sample Type SILVER	LCS 0.0545	Lab Sample ID: P36305CQQ-AG MG/L	LCS 0.0023	Lab: LANCAS 0.0050	109	83	120		
Sample Type ARSENIC	LCS 0.158	Lab Sample ID: P36305CQQ-AS MG/L	LCS 0.0072	Lab: LANCAS 0.0200	105	89	115		
Sample Type BARIUM	LCS 2.02	Lab Sample ID: P36305CQQ-BA MG/L	LCS 0.00060	Lab: LANCAS 0.0050	101	90	110		
Sample Type BERYLLIUM	LCS 0.0542	Lab Sample ID: P36305CQQ-BE MG/L	LCS 0.0014	Lab: LANCAS 0.0050	108	90	112		
Sample Type CADMIUM	LCS 0.0514	Lab Sample ID: P36305CQQ-CD MG/L	LCS 0.0020	Lab: LANCAS 0.0050	103	90	112		
Sample Type CHROMIUM	LCS 0.200	Lab Sample ID: P36305CQQ-CR MG/L	LCS 0.0034	Lab: LANCAS 0.0150	100	90	110		
Sample Type COPPER	LCS 0.260	Lab Sample ID: P36305CQQ-CU MG/L	LCS 0.0027	Lab: LANCAS 0.0100	104	90	112		
Sample Type NICKEL	LCS 0.512	Lab Sample ID: P36305CQQ-NI MG/L	LCS 0.0018	Lab: LANCAS 0.0100	102	90	111		
Sample Type LEAD	LCS 0.153	Lab Sample ID: P36305CQQ-PB MG/L	LCS 0.0069	Lab: LANCAS 0.0150	102	80	120		
Sample Type ANTIMONY	LCS 0.556	Lab Sample ID: P36305CQQ-SB MG/L	LCS 0.0097	Lab: LANCAS 0.0200	111	88	111		
Sample Type SELENIUM	LCS 0.157	Lab Sample ID: P36305CQQ-SE MG/L	LCS 0.0089	Lab: LANCAS 0.0200	104	80	120		
Sample Type THALLIUM	LCS 0.154	Lab Sample ID: P36305CQQ-TL MG/L	LCS 0.0140	Lab: LANCAS 0.0300	102	85	113		
Sample Type ZINC	LCS 0.518	Lab Sample ID: P36305CQQ-ZN MG/L	LCS 0.0081	Lab: LANCAS 0.0200	104	90	111		
Sample Type SILVER	MB < 0.0023	Lab Sample ID: P36305CBB-AG MG/L	MB 0.0023	Lab: LANCAS 0.0050					
Sample Type ARSENIC	MB < 0.0072	Lab Sample ID: P36305CBB-AS MG/L	MB 0.0072	Lab: LANCAS 0.0200					
Sample Type BARIUM	MB < 0.00060	Lab Sample ID: P36305CBB-BA MG/L	MB 0.00060	Lab: LANCAS 0.0050					
Sample Type BERYLLIUM	MB < 0.0014	Lab Sample ID: P36305CBB-BE MG/L	MB 0.0014	Lab: LANCAS 0.0050					
Sample Type CADMIUM	MB < 0.0020	Lab Sample ID: P36305CBB-CD MG/L	MB 0.0020	Lab: LANCAS 0.0050					
Sample Type CHROMIUM	MB < 0.0034	Lab Sample ID: P36305CBB-CR MG/L	MB 0.0034	Lab: LANCAS 0.0150					
Sample Type COPPER	MB < 0.0027	Lab Sample ID: P36305CBB-CU MG/L	MB 0.0027	Lab: LANCAS 0.0100					
Sample Type NICKEL	MB < 0.0018	Lab Sample ID: P36305CBB-NI MG/L	MB 0.0018	Lab: LANCAS 0.0100					
Sample Type LEAD	MB < 0.0069	Lab Sample ID: P36305CBB-PB MG/L	MB 0.0069	Lab: LANCAS 0.0150					
Sample Type ANTIMONY	MB < 0.0097	Lab Sample ID: P36305CBB-SB MG/L	MB 0.0097	Lab: LANCAS 0.0200					
Sample Type SELENIUM	MB < 0.0089	Lab Sample ID: P36305CBB-SE MG/L	MB 0.0089	Lab: LANCAS 0.0200					
Sample Type THALLIUM	MB < 0.0140	Lab Sample ID: P36305CBB-TL MG/L	MB 0.0140	Lab: LANCAS 0.0300					
Sample Type ZINC	MB < 0.0081	Lab Sample ID: P36305CBB-ZN MG/L	MB 0.0081	Lab: LANCAS 0.0200					
Sample Type SILVER	MS 0.0545	Lab Sample ID: 5869369-AG MG/L	MS 0.0023	Lab: LANCAS 0.0050	109	75	125		
Sample Type ARSENIC	MS 0.163	Lab Sample ID: 5869369-AS MG/L	MS 0.0072	Lab: LANCAS 0.0200	109	75	125		
Sample Type BARIUM	MS 2.00	Lab Sample ID: 5869369-BA MG/L	MS 0.00060	Lab: LANCAS 0.0050	99	78	118		
Sample Type BERYLLIUM	MS 0.0554	Lab Sample ID: 5869369-BE MG/L	MS 0.0014	Lab: LANCAS 0.0050	111	87	114		
Sample Type CADMIUM	MS 0.0515	Lab Sample ID: 5869369-CD MG/L	MS 0.0020	Lab: LANCAS 0.0050	103	83	116		

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Analyte/Parameter	Result	Unit	MDL	PQL	RPR	RPR Limits		RPD	
						Min	Max	RPD	Max
Sample Type CHROMIUM	MS 0.198	MG/L	0.0034	Lab Sample ID: 5869369-CR MS 0.0150	99	81	120		
Sample Type COPPER	MS 0.260	MG/L	0.0027	Lab Sample ID: 5869369-CU MS 0.0100	104	86	122		
Sample Type NICKEL	MS 0.510	MG/L	0.0018	Lab Sample ID: 5869369-NI MS 0.0100	102	86	115		
Sample Type LEAD	MS 0.152	MG/L	0.0069	Lab Sample ID: 5869369-PB MS 0.0150	101	75	125		
Sample Type ANTIMONY	MS 0.559	MG/L	0.0097	Lab Sample ID: 5869369-SB MS 0.0200	112	87	122		
Sample Type SELENIUM	MS 0.163	MG/L	0.0089	Lab Sample ID: 5869369-SE MS 0.0200	108	75	125		
Sample Type THALLIUM	MS 0.151	MG/L	0.0140	Lab Sample ID: 5869369-TL MS 0.0300	101	83	116		
Sample Type ZINC	MS 0.526	MG/L	0.0081	Lab Sample ID: 5869369-ZN MS 0.0200	105	85	117		
Sample Type SILVER	MSD 0.0543	MG/L	0.0023	Lab Sample ID: 5869369-AG MSD 0.0050	109	75	125	0	20
Sample Type ARSENIC	MSD 0.162	MG/L	0.0072	Lab Sample ID: 5869369-AS MSD 0.0200	108	75	125	0	20
Sample Type BARIUM	MSD 2.00	MG/L	0.00060	Lab Sample ID: 5869369-BA MSD 0.0050	99	78	118	0	20
Sample Type BERYLLIUM	MSD 0.0551	MG/L	0.0014	Lab Sample ID: 5869369-BE MSD 0.0050	110	87	114	1	20
Sample Type CADMIUM	MSD 0.0512	MG/L	0.0020	Lab Sample ID: 5869369-CD MSD 0.0050	102	83	116	1	20
Sample Type CHROMIUM	MSD 0.197	MG/L	0.0034	Lab Sample ID: 5869369-CR MSD 0.0150	98	81	120	1	20
Sample Type COPPER	MSD 0.260	MG/L	0.0027	Lab Sample ID: 5869369-CU MSD 0.0100	104	86	122	0	20
Sample Type NICKEL	MSD 0.505	MG/L	0.0018	Lab Sample ID: 5869369-NI MSD 0.0100	101	86	115	1	20
Sample Type LEAD	MSD 0.150	MG/L	0.0069	Lab Sample ID: 5869369-PB MSD 0.0150	100	75	125	1	20
Sample Type ANTIMONY	MSD 0.557	MG/L	0.0097	Lab Sample ID: 5869369-SB MSD 0.0200	111	87	122	0	20
Sample Type SELENIUM	MSD 0.162	MG/L	0.0089	Lab Sample ID: 5869369-SE MSD 0.0200	108	75	125	0	20
Sample Type THALLIUM	MSD 0.150	MG/L	0.0140	Lab Sample ID: 5869369-TL MSD 0.0300	100	83	116	1	20
Sample Type ZINC	MSD 0.523	MG/L	0.0081	Lab Sample ID: 5869369-ZN MSD 0.0200	105	85	117	1	20
Sample Type SILVER	REP < 0.0023	MG/L	0.0023	Lab Sample ID: 5869369-AG REP 0.0050				0	20
Sample Type ARSENIC	REP < 0.0072	MG/L	0.0072	Lab Sample ID: 5869369-AS REP 0.0200				0	20
Sample Type BARIUM	REP 0.0115	MG/L	0.00060	Lab Sample ID: 5869369-BA REP 0.0050				12	20
Sample Type BERYLLIUM	REP < 0.0014	MG/L	0.0014	Lab Sample ID: 5869369-BE REP 0.0050				0	20
Sample Type CADMIUM	REP < 0.0020	MG/L	0.0020	Lab Sample ID: 5869369-CD REP 0.0050				0	20
Sample Type CHROMIUM	REP < 0.0034	MG/L	0.0034	Lab Sample ID: 5869369-CR REP 0.0150				0	20
Sample Type COPPER	REP < 0.0027	MG/L	0.0027	Lab Sample ID: 5869369-CU REP 0.0100				0	20
Sample Type NICKEL	REP < 0.0018	MG/L	0.0018	Lab Sample ID: 5869369-NI REP 0.0100				0	20
Sample Type LEAD	REP < 0.0069	MG/L	0.0069	Lab Sample ID: 5869369-PB REP 0.0150				0	20
Sample Type ANTIMONY	REP < 0.0097	MG/L	0.0097	Lab Sample ID: 5869369-SB REP 0.0200				0	20
Sample Type SELENIUM	REP < 0.0089	MG/L	0.0089	Lab Sample ID: 5869369-SE REP 0.0200				0	20
Sample Type THALLIUM	REP < 0.0140	MG/L	0.0140	Lab Sample ID: 5869369-TL REP 0.0300				0	20
Sample Type ZINC	REP < 0.0081	MG/L	0.0081	Lab Sample ID: 5869369-ZN REP 0.0200				0	20

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Project: DELTA UPLANDS 12/21/09

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The following field samples are included in this batch:

Sampleno	Datesmpl	Lab Id	Lab
POM-K-536-EQBLK14	12/21/2009	5872575-PB EB	LANCAS
POM-K-536-EQBLK15	12/22/2009	5872576-PB EB	LANCAS
POM-K-536-EQBLK15	12/22/2009	5872576-SE EB	LANCAS

Batch Identifier 262205 **METHOD** 7470A 29-DEC-09 093635713004 62347

Method Number: 7470A Prep Method: METHOD Pre-prep:
Batch Start Date: 12/29/2009 Instrument: 62347

Analyte/Parameter	Result	Unit	MDL	PQL	RPR	RPR Limits		RPD	RPD Max
						Min	Max		
Sample Type MERCURY	LCS 0.0010	MG/L	0.000056	0.00020	104	80	120		
Sample Type MERCURY	MB < 0.000056	MG/L	0.000056	0.00020					
Sample Type MERCURY	MS 0.00097	MG/L	0.000056	0.00020	97	80	120		
Sample Type MERCURY	MSD 0.00097	MG/L	0.000056	0.00020	97	80	120	0	20
Sample Type MERCURY	REP < 0.000056	MG/L	0.000056	0.00020				0	20

The following field samples are included in this batch:

Sampleno	Datesmpl	Lab Id	Lab
POM-K-536-EQBLK14	12/21/2009	5872575-HG EB	LANCAS
POM-K-536-EQBLK15	12/22/2009	5872576-HG EB	LANCAS

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Batch Identifier 262442 7471A MOD. 7471A 03-JAN-10 093655711005 62347

Method Number: 7471A Prep Method: 7471A MOD. Pre-prep:
Batch Start Date: 01/03/2010 Intrument: 62347

Analyte/Parameter	Result	Unit	MDL	PQL	RPR	RPR Limits		RPD	RPD Max
						Min	Max		
Sample Type MERCURY	LCS 11.2	Lab Sample ID: P36511EQQ-HG LCS MG/KG	0.218	Lab: LANCAS 1.90	96	66	135		
Sample Type MERCURY	MB < 0.0110	Lab Sample ID: P36511EBB-HG MB MG/KG	0.0110	Lab: LANCAS 0.0955					
Sample Type MERCURY	MS 1.78	Lab Sample ID: 5872552-HG MS MG/KG	0.0566	Lab: LANCAS 0.493	NC	80	120	NC	
Sample Type MERCURY	MSD 0.929	Lab Sample ID: 5872552-HG MSD MG/KG	0.0566	Lab: LANCAS 0.493	NC	80	120	NC	20
Sample Type MERCURY	REP 1.15	Lab Sample ID: 5872552-HG REP MG/KG	0.0573	Lab: LANCAS 0.499				9	20

The following field samples are included in this batch:

Sampleno	Datesmpl	Lab Id	Lab
POM-S-536-118D2(7.0-7.5)	12/22/2009	5872568-HG FS	LANCAS
POM-S-536-19D2(5.0-5.5)	12/22/2009	5872573-HG FS	LANCAS
POM-S-536-21D2(7.0-7.5)	12/22/2009	5872572-HG FS	LANCAS
POM-S-536-277(1.5-2.0)	12/22/2009	5872571-HG FS	LANCAS
POM-S-536-291D(4.0-4.5)	12/21/2009	5872557-HG FS	LANCAS
POM-S-536-296D2(4.0-4.5)	12/21/2009	5872551-HG FS	LANCAS
POM-S-536-306(3.0-3.5)	12/21/2009	5872552-HG FS	LANCAS
POM-S-536-306(3.0-3.5)-DUP	12/21/2009	5872556-HG FS	LANCAS
POM-S-536-330(1.0-1.5)	12/22/2009	5872560-HG FS	LANCAS
POM-S-536-331(3.0-3.5)	12/22/2009	5872564-HG FS	LANCAS
POM-S-536-332(5.0-5.5)	12/22/2009	5872574-HG FS	LANCAS
POM-S-536-333(5.0-5.5)	12/21/2009	5872558-HG FS	LANCAS
POM-S-536-334(1.5-2.0)	12/22/2009	5872565-HG FS	LANCAS
POM-S-536-335(2.0-2.5)	12/22/2009	5872566-HG FS	LANCAS
POM-S-536-335(3.0-3.5)	12/22/2009	5872567-HG FS	LANCAS
POM-S-536-36D(2.0-2.5)	12/21/2009	5872550-HG FS	LANCAS

Batch Identifier 262443 SM 2540 G 28-DEC-09 09362820002A 9001

Method Number: SM 2540 G Prep Method: Pre-prep:
Batch Start Date: 12/28/2009 Intrument: 9001

Analyte/Parameter	Result	Unit	MDL	PQL	RPR	RPR Limits		RPD	RPD Max
						Min	Max		
Sample Type MOISTURE	LCS 89.4	Lab Sample ID: LC36212Q-MOIST LCS %	0.50	Lab: LANCAS 0.50	100	99	101		
Sample Type MOISTURE	REP 35.2	Lab Sample ID: 5872552-MOIST REP %	0.50	Lab: LANCAS 0.50				21	15

The following field samples are included in this batch:

Sampleno	Datesmpl	Lab Id	Lab
POM-S-536-291D(4.0-4.5)	12/21/2009	5872557-MOIST FS	LANCAS
POM-S-536-296D2(4.0-4.5)	12/21/2009	5872551-MOIST FS	LANCAS
POM-S-536-306(3.0-3.5)-DUP	12/21/2009	5872556-MOIST FS	LANCAS
POM-S-536-330(0.0-0.5)	12/22/2009	5872559-MOIST FS	LANCAS
POM-S-536-330(1.0-1.5)	12/22/2009	5872560-MOIST FS	LANCAS
POM-S-536-330(2.0-2.5)	12/22/2009	5872561-MOIST FS	LANCAS
POM-S-536-331(0.0-0.5)	12/22/2009	5872562-MOIST FS	LANCAS
POM-S-536-333(5.0-5.5)	12/21/2009	5872558-MOIST FS	LANCAS
POM-S-536-36D(2.0-2.5)	12/21/2009	5872550-MOIST FS	LANCAS

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Batch Identifier 262444 SM 2540 G 29-DEC-09 09363820002B 9001

Method Number: SM 2540 G Prep Method: Pre-prep:
Batch Start Date: 12/29/2009 Intrument: 9001

Analyte/Parameter	Result	Unit	MDL	PQL	RPR	RPR Limits		RPD	RPD Max
						Min	Max		
Sample Type LCS	Lab Sample ID: LC36312Q-MOIST LCS			Lab: LANCAS					
MOISTURE	89.4	%	0.50	0.50	100	99	101		
Sample Type REP	Lab Sample ID: 5872552-MOIST REP			Lab: LANCAS					
MOISTURE	36.1	%	0.50	0.50				14	15

The following field samples are included in this batch:

Sampleno	Datesmpl	Lab Id	Lab
POM-S-536-306(3.0-3.5)	12/21/2009	5872552-MOIST FS	LANCAS

Batch Identifier 262445 3050B 6010B 03-JAN-10 093655708005 11016

Method Number: 6010B Prep Method: 3050B Pre-prep:
Batch Start Date: 01/03/2010 Intrument: 11016

Analyte/Parameter	Result	Unit	MDL	PQL	RPR	RPR Limits		RPD	RPD Max
						Min	Max		
Sample Type LCS	Lab Sample ID: P36508EQQ-PB LCS			Lab: LANCAS					
LEAD	67.9	MG/KG	0.600	1.50	94	85	114		
Sample Type LCS	Lab Sample ID: P36508EQQ-SE LCS			Lab: LANCAS					
SELENIUM	220	MG/KG	0.980	2.00	104	90	109		
Sample Type MB	Lab Sample ID: P36508EBB-PB MB			Lab: LANCAS					
LEAD	< 0.600	MG/KG	0.600	1.50					
Sample Type MB	Lab Sample ID: P36508EBB-SE MB			Lab: LANCAS					
SELENIUM	< 0.980	MG/KG	0.980	2.00					
Sample Type MS	Lab Sample ID: 5872552-PB MS			Lab: LANCAS					
LEAD	27.2	MG/KG	0.600	1.50	35	75	125		
Sample Type MS	Lab Sample ID: 5872552-SE MS			Lab: LANCAS					
SELENIUM	17.0	MG/KG	0.980	2.00	113	75	125		
Sample Type MSD	Lab Sample ID: 5872552-PB MSD			Lab: LANCAS					
LEAD	37.6	MG/KG	0.600	1.50	104	75	125	32	20
Sample Type MSD	Lab Sample ID: 5872552-SE MSD			Lab: LANCAS					
SELENIUM	16.4	MG/KG	0.980	2.00	109	75	125	4	20
Sample Type REP	Lab Sample ID: 5872552-PB REP			Lab: LANCAS					
LEAD	21.5	MG/KG	0.600	1.50				3	20
Sample Type REP	Lab Sample ID: 5872552-SE REP			Lab: LANCAS					
SELENIUM	< 0.980	MG/KG	0.980	2.00				0	20

The following field samples are included in this batch:

Sampleno	Datesmpl	Lab Id	Lab
POM-S-536-277(1.5-2.0)	12/22/2009	5872571-PB FS	LANCAS
POM-S-536-305(0.0-0.5)	12/22/2009	5872570-PB FS	LANCAS
POM-S-536-305(0.0-0.5)	12/22/2009	5872570-SE FS	LANCAS
POM-S-536-306(3.0-3.5)	12/21/2009	5872552-PB FS	LANCAS
POM-S-536-306(3.0-3.5)-DUP	12/21/2009	5872556-PB FS	LANCAS
POM-S-536-328(0.0-0.5)	12/22/2009	5872569-PB FS	LANCAS
POM-S-536-330(0.0-0.5)	12/22/2009	5872559-PB FS	LANCAS
POM-S-536-330(2.0-2.5)	12/22/2009	5872561-PB FS	LANCAS
POM-S-536-331(0.0-0.5)	12/22/2009	5872562-PB FS	LANCAS
POM-S-536-331(2.0-2.5)	12/22/2009	5872563-PB FS	LANCAS

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Project: DELTA UPLANDS 12/21/09

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Batch Identifier 262446 SM 2540 G 28-DEC-09 09362820001B 9001

Method Number: SM 2540 G Prep Method: Pre-prep:
Batch Start Date: 12/28/2009 Intrument: 9001

Analyte/Parameter	Result	Unit	MDL	PQL	RPR	RPR Limits		RPD	Max
						Min	Max		
Sample Type LCS	Lab Sample ID: LC36211Q-MOIST	LCS		Lab: LANCAS					
MOISTURE	89.5	%	0.50	0.50	100	99	101		
Sample Type REP	Lab Sample ID: 5872574-MOIST	REP		Lab: LANCAS					
MOISTURE	7.6	%	0.50	0.50				24	15

The following field samples are included in this batch:

Sampleno	Datesmpl	Lab Id	Lab
POM-S-536-19D2(5.0-5.5)	12/22/2009	5872573-MOIST FS	LANCAS

Batch Identifier 262447 SM 2540 G 28-DEC-09 09362820002B 9001

Method Number: SM 2540 G Prep Method: Pre-prep:
Batch Start Date: 12/28/2009 Intrument: 9001

Analyte/Parameter	Result	Unit	MDL	PQL	RPR	RPR Limits		RPD	Max
						Min	Max		
Sample Type LCS	Lab Sample ID: LC36212Q-MOIST	LCS		Lab: LANCAS					
MOISTURE	89.4	%	0.50	0.50	100	99	101		
Sample Type REP	Lab Sample ID: 5872569-MOIST	REP		Lab: LANCAS					
MOISTURE	21.6	%	0.50	0.50				5	15

The following field samples are included in this batch:

Sampleno	Datesmpl	Lab Id	Lab
POM-S-536-118D2(7.0-7.5)	12/22/2009	5872568-MOIST FS	LANCAS
POM-S-536-21D2(7.0-7.5)	12/22/2009	5872572-MOIST FS	LANCAS
POM-S-536-277(1.5-2.0)	12/22/2009	5872571-MOIST FS	LANCAS
POM-S-536-305(0.0-0.5)	12/22/2009	5872570-MOIST FS	LANCAS
POM-S-536-328(0.0-0.5)	12/22/2009	5872569-MOIST FS	LANCAS
POM-S-536-331(2.0-2.5)	12/22/2009	5872563-MOIST FS	LANCAS
POM-S-536-331(3.0-3.5)	12/22/2009	5872564-MOIST FS	LANCAS
POM-S-536-334(1.5-2.0)	12/22/2009	5872565-MOIST FS	LANCAS
POM-S-536-335(2.0-2.5)	12/22/2009	5872566-MOIST FS	LANCAS
POM-S-536-335(3.0-3.5)	12/22/2009	5872567-MOIST FS	LANCAS

Batch Identifier 262448 SM 2540 G 29-DEC-09 09363820003B 9001

Method Number: SM 2540 G Prep Method: Pre-prep:
Batch Start Date: 12/29/2009 Intrument: 9001

Analyte/Parameter	Result	Unit	MDL	PQL	RPR	RPR Limits		RPD	Max
						Min	Max		
Sample Type LCS	Lab Sample ID: LC36313Q-MOIST	LCS		Lab: LANCAS					
MOISTURE	89.3	%	0.50	0.50	100	99	101		
Sample Type REP	Lab Sample ID: 5872574-MOIST	REP		Lab: LANCAS					
MOISTURE	9.2	%	0.50	0.50				6	15

The following field samples are included in this batch:

Sampleno	Datesmpl	Lab Id	Lab
POM-S-536-332(5.0-5.5)	12/22/2009	5872574-MOIST FS	LANCAS

ANALYTICAL RESULTS

Prepared for:

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

January 06, 2010

Project: POM - DELTA UPLANDS

Samples arrived at the laboratory on Wednesday, December 23, 2009. The PO# for this group is LBIO-66380 and the release number is LA28382. The group number for this submittal is 1176510.

<u>Client Sample Description</u>	<u>Lancaster Labs (LLI) #</u>
POM-S-536-36D(2.0-2.5) Soil Sample	5872550
POM-S-536-331(4.0-4.5) Soil Sample	5872551
POM-S-536-306(3.0-3.5) Unspiked Soil Sample	5872552
POM-S-536-306(3.0-3.5)-MS Matrix Spike Soil Sample	5872553
POM-S-536-306(3.0-3.5)-MSD Matrix Spike Dup Soil	5872554
POM-S-536-306(3.0-3.5) Duplicate Soil Sample	5872555
POM-S-536-306(3.0-3.5)-DUP Soil Sample	5872556
POM-S-536-291D(4.0-4.5) Soil Sample	5872557
POM-S-536-333(5.0-5.5) Soil Sample	5872558
POM-S-536-330(0.0-0.5) Soil Sample	5872559
POM-S-536-330(1.0-1.5) Soil Sample	5872560
POM-S-536-330(2.0-2.5) Soil Sample	5872561
POM-S-536-331(0.0-0.5) Soil Sample	5872562
POM-S-536-331(2.0-2.5) Soil Sample	5872563
POM-S-536-331(3.0-3.5) Soil Sample	5872564
POM-S-536-334(1.5-2.0) Soil Sample	5872565
POM-S-536-335(2.0-2.5) Soil Sample	5872566
POM-S-536-335(3.0-3.5) Soil Sample	5872567
POM-S-536-118D2(7.0-7.5) Soil Sample	5872568
POM-S-536-328(0.0-0.5) Soil Sample	5872569
POM-S-536-305(0.0-0.5) Soil Sample	5872570
POM-S-536-277(1.5-2.0) Soil Sample	5872571
POM-S-536-21D2(7.0-7.5) Soil Sample	5872572


POM-S-536-19D2(5.0-5.5) Soil Sample	5872573
POM-S-536-332(5.0-5.5) Soil Sample	5872574
POM-K-536-EQBLK14 Blank Water Sample	5872575
POM-K-536-EQBLK15 Blank Water Sample	5872576

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

ELECTRONIC COPY TO	URS Corporation	Attn: George Nemeth
ELECTRONIC COPY TO	LLI	Attn: EDD Group
1 COPY TO	Data Package Group	

Questions? Contact your Client Services Representative
Nancy J Bornholm at (717) 656-2300

Respectfully Submitted,



Robert Strocko Jr.
Manager



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-36D(2.0-2.5) Soil Sample
DELTA UPLANDS 12/14/09

LLI Sample # SW 5872550
LLI Group # 1176510
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/21/2009 11:40 by DY

Account Number: 07032

Submitted: 12/23/2009 11:05
Reported: 01/06/2010 at 18:17
Discard: 02/06/2010

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

PM36D SDG#: DLN33-01

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 7471A	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	4.70	0.132	1.15	10
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	14.1	0.50	0.50	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.						

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	093655711005	01/04/2010 19:18	Nelli S Markaryan	10
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	093655711005	01/03/2010 23:00	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	09362820002A	12/28/2009 15:00	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-331(4.0-4.5) Soil Sample
DELTA UPLANDS 12/14/09

LLI Sample # SW 5872551
LLI Group # 1176510
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/21/2009 12:20 by DY

Account Number: 07032

Submitted: 12/23/2009 11:05
Reported: 01/06/2010 at 18:17
Discard: 02/06/2010

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

PM331 SDG#: DLN33-02

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 7471A	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.0342 J	0.0164	0.143	1
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	32.4	0.50	0.50	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.						

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	093655711005	01/04/2010 18:29	Nelli S Markaryan	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	093655711005	01/03/2010 23:00	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	09362820002A	12/28/2009 15:00	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-306(3.0-3.5) Unspiked Soil Sample
DELTA UPLANDS 12/14/09

LLI Sample # SW 5872552
LLI Group # 1176510
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/21/2009 15:15 by DY

Account Number: 07032

Submitted: 12/23/2009 11:05
Reported: 01/06/2010 at 18:17
Discard: 02/06/2010

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4051 Ogletown Road, Suite 300
Newark DE 19713

PM306 SDG#: DLN33-03BKG

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010B	mg/kg	mg/kg	mg/kg	
06955	Lead	7439-92-1	32.1	0.875	2.19	1
	The recovery of the post digestion spike performed on the background was 95% for lead.					
		SW-846 7471A	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	1.83	0.0811	0.706	5
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	31.4	0.50	0.50	1
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.					

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	093655708005	01/05/2010 23:18	John W Yanzuk II	1
00159	Mercury	SW-846 7471A	1	093655711005	01/04/2010 19:19	Nelli S Markaryan	5
05708	SW SW846 ICP Digest	SW-846 3050B	1	093655708005	01/03/2010 20:10	Annamaria Stipkovits	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	093655711005	01/03/2010 23:00	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	2	09363820002B	12/29/2009 15:32	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: POM-S-536-306(3.0-3.5)-MS Matrix Spike Soil Sample
DELTA UPLANDS 12/14/09

LLI Sample # SW 5872553
LLI Group # 1176510
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/21/2009 15:15 by DY

Account Number: 07032

Submitted: 12/23/2009 11:05
Reported: 01/06/2010 at 18:17
Discard: 02/06/2010

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Newark DE 19713

PM306 SDG#: DLN33-03MS

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010B	mg/kg	mg/kg	mg/kg	
06955	Lead	7439-92-1	39.6	0.875	2.19	1
	The recovery of the post digestion spike performed on the background was 95% for lead.					
		SW-846 7471A	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	2.59	0.0825	0.719	5
Wet Chemistry						
		SM20 2540 G	%	%	%	
00118	Moisture	n.a.	31.4	0.50	0.50	1

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	093655708005	01/05/2010 23:27	John W Yanzuk II	1
00159	Mercury	SW-846 7471A	1	093655711005	01/04/2010 19:22	Nelli S Markaryan	5
05708	SW SW846 ICP Digest	SW-846 3050B	1	093655708005	01/03/2010 20:10	Annamaria Stipkovits	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	093655711005	01/03/2010 23:00	Annamaria Stipkovits	1
00118	Moisture	SM20 2540 G	2	09363820002B	12/29/2009 15:32	Scott W Freisher	1



Analysis Report

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Sample Description: POM-S-536-306(3.0-3.5)-MSD Matrix Spike Dup Soil
Sample
DELTA UPLANDS 12/14/09

LLI Sample # SW 5872554
LLI Group # 1176510
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/21/2009 15:15 by DY

Account Number: 07032

Submitted: 12/23/2009 11:05
Reported: 01/06/2010 at 18:17
Discard: 02/06/2010

CRG-E.I.DuPont de Nemours & Co
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Iron Hill Corporate Center
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Newark DE 19713

PM306 SDG#: DLN33-03MSD

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
	SW-846 6010B		mg/kg	mg/kg	mg/kg	
06955	Lead	7439-92-1	54.7	0.875	2.19	1
	The recovery of the post digestion spike performed on the background was 95% for lead.					
	SW-846 7471A		mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	1.35	0.0825	0.719	5
Wet Chemistry						
	SM20 2540 G		%	%	%	
00118	Moisture	n.a.	31.4	0.50	0.50	1

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	093655708005	01/05/2010 23:31	John W Yanzuk II	1
00159	Mercury	SW-846 7471A	1	093655711005	01/04/2010 19:24	Nelli S Markaryan	5
05708	SW SW846 ICP Digest	SW-846 3050B	1	093655708005	01/03/2010 20:10	Annamaria Stipkovits	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	093655711005	01/03/2010 23:00	Annamaria Stipkovits	1
00118	Moisture	SM20 2540 G	2	09363820002B	12/29/2009 15:32	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

**Sample Description: POM-S-536-306(3.0-3.5) Duplicate Soil Sample
DELTA UPLANDS 12/14/09**

**LLI Sample # SW 5872555
LLI Group # 1176510
NJ**

Project Name: POM - DELTA UPLANDS

Collected: 12/21/2009 15:15 by DY

Account Number: 07032

Submitted: 12/23/2009 11:05
Reported: 01/06/2010 at 18:17
Discard: 02/06/2010

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Newark DE 19713

PM306 SDG#: DLN33-03DUP

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010B	mg/kg	mg/kg	mg/kg	
06955	Lead	7439-92-1	31.3	0.875	2.19	1
	The recovery of the post digestion spike performed on the background was 95% for lead.					
		SW-846 7471A	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	1.67	0.0835	0.727	5
Wet Chemistry						
		SM20 2540 G	%	%	%	
00118	Moisture	n.a.	31.4	0.50	0.50	1
00121	Moisture Duplicate	n.a.	36.1	0.50	0.50	1
	The duplicate moisture value is provided to assess the precision of the moisture test. For comparability purposes, the initial moisture determination is the value used to perform dry weight calculations.					

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	093655708005	01/05/2010 23:24	John W Yanzuk II	1
00159	Mercury	SW-846 7471A	1	093655711005	01/04/2010 19:21	Nelli S Markaryan	5
05708	SW SW846 ICP Digest	SW-846 3050B	1	093655708005	01/03/2010 20:10	Annamaria Stipkovits	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	093655711005	01/03/2010 23:00	Annamaria Stipkovits	1
00118	Moisture	SM20 2540 G	2	09363820002B	12/29/2009 15:32	Scott W Freisher	1
00121	Moisture Duplicate	SM20 2540 G	2	09363820002B	12/29/2009 15:32	Scott W Freisher	1



Analysis Report

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Sample Description: POM-S-536-306(3.0-3.5)-DUP Soil Sample
DELTA UPLANDS 12/14/09

LLI Sample # SW 5872556
LLI Group # 1176510
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/21/2009 15:15 by DY

Account Number: 07032

Submitted: 12/23/2009 11:05
Reported: 01/06/2010 at 18:17
Discard: 02/06/2010

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P306D SDG#: DLN33-04FD

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010B	mg/kg	mg/kg	mg/kg	
06955	Lead	7439-92-1	28.2	0.905	2.26	1
	The recovery of the post digestion spike performed on the background was 95% for lead.					
		SW-846 7471A	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	2.74	0.0847	0.738	5
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	33.7	0.50	0.50	1
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.					

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	093655708005	01/05/2010 23:38	John W Yanzuk II	1
00159	Mercury	SW-846 7471A	1	093655711005	01/04/2010 19:26	Nelli S Markaryan	5
05708	SW SW846 ICP Digest	SW-846 3050B	1	093655708005	01/03/2010 20:10	Annamaria Stipkovits	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	093655711005	01/03/2010 23:00	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	09362820002A	12/28/2009 15:00	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-291D(4.0-4.5) Soil Sample
DELTA UPLANDS 12/14/09

LLI Sample # SW 5872557
LLI Group # 1176510
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/21/2009 16:20 by DY

Account Number: 07032

Submitted: 12/23/2009 11:05
Reported: 01/06/2010 at 18:17
Discard: 02/06/2010

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PM291 SDG#: DLN33-05

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 7471A	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	14.7	0.716	6.24	50
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	22.9	0.50	0.50	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.						

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	093655711005	01/04/2010 19:27	Nelli S Markaryan	50
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	093655711005	01/03/2010 23:00	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	09362820002A	12/28/2009 15:00	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-333(5.0-5.5) Soil Sample
DELTA UPLANDS 12/14/09

LLI Sample # SW 5872558
LLI Group # 1176510
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/21/2009 16:50 by DY

Account Number: 07032

Submitted: 12/23/2009 11:05
Reported: 01/06/2010 at 18:17
Discard: 02/06/2010

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Newark DE 19713

PM333 SDG#: DLN33-06

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 7471A	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	1.90	0.0675	0.588	5
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	18.4	0.50	0.50	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.						

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	093655711005	01/04/2010 19:28	Nelli S Markaryan	5
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	093655711005	01/03/2010 23:00	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	09362820002A	12/28/2009 15:00	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-330(0.0-0.5) Soil Sample
DELTA UPLANDS 12/14/09

LLI Sample # SW 5872559
LLI Group # 1176510
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/22/2009 09:40 by DY

Account Number: 07032

Submitted: 12/23/2009 11:05
Reported: 01/06/2010 at 18:17
Discard: 02/06/2010

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Newark DE 19713

PM330 SDG#: DLN33-07

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010B	mg/kg	mg/kg	mg/kg	
06955	Lead	7439-92-1	227	0.830	2.07	1
	The recovery of the post digestion spike performed on the background was 95% for lead.					
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	28.4	0.50	0.50	1
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.					

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	093655708005	01/05/2010 23:41	John W Yanzuk II	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	093655708005	01/03/2010 20:10	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	09362820002A	12/28/2009 15:00	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-330(1.0-1.5) Soil Sample
DELTA UPLANDS 12/14/09

LLI Sample # SW 5872560
LLI Group # 1176510
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/22/2009 09:50 by DY

Account Number: 07032

Submitted: 12/23/2009 11:05
Reported: 01/06/2010 at 18:17
Discard: 02/06/2010

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Newark DE 19713

P3301 SDG#: DLN33-08

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 7471A	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	3.44	0.129	1.12	10
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	16.2	0.50	0.50	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.						

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	093655711005	01/04/2010 19:30	Nelli S Markaryan	10
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	093655711005	01/03/2010 23:00	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	09362820002A	12/28/2009 15:00	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-330(2.0-2.5) Soil Sample
DELTA UPLANDS 12/14/09

LLI Sample # SW 5872561
LLI Group # 1176510
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/22/2009 09:54 by DY

Account Number: 07032

Submitted: 12/23/2009 11:05
Reported: 01/06/2010 at 18:17
Discard: 02/06/2010

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Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

P3302 SDG#: DLN33-09

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010B	mg/kg	mg/kg	mg/kg	
06955	Lead	7439-92-1	299	0.868	2.17	1
	The recovery of the post digestion spike performed on the background was 95% for lead.					
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	33.5	0.50	0.50	1
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.					

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	093655708005	01/05/2010 23:51	John W Yanzuk II	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	093655708005	01/03/2010 20:10	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	09362820002A	12/28/2009 15:00	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-331(0.0-0.5) Soil Sample
DELTA UPLANDS 12/14/09

LLI Sample # SW 5872562
LLI Group # 1176510
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/22/2009 10:16 by DY

Account Number: 07032

Submitted: 12/23/2009 11:05
Reported: 01/06/2010 at 18:17
Discard: 02/06/2010

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Newark DE 19713

P3310 SDG#: DLN33-10

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010B	mg/kg	mg/kg	mg/kg	
06955	Lead	7439-92-1	522	1.04	2.60	1
	The recovery of the post digestion spike performed on the background was 95% for lead.					
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	43.9	0.50	0.50	1
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.					

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	093655708005	01/05/2010 23:54	John W Yanzuk II	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	093655708005	01/03/2010 20:10	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	09362820002A	12/28/2009 15:00	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-331(2.0-2.5) Soil Sample
DELTA UPLANDS 12/14/09

LLI Sample # SW 5872563
LLI Group # 1176510
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/22/2009 10:21 by DY

Account Number: 07032

Submitted: 12/23/2009 11:05
Reported: 01/06/2010 at 18:17
Discard: 02/06/2010

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Newark DE 19713

P3312 SDG#: DLN33-11

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010B	mg/kg	mg/kg	mg/kg	
06955	Lead	7439-92-1	6.06	0.631	1.58	1
	The recovery of the post digestion spike performed on the background was 95% for lead.					
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	8.5	0.50	0.50	1
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.					

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	093655708005	01/05/2010 23:57	John W Yanzuk II	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	093655708005	01/03/2010 20:10	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	09362820002B	12/28/2009 15:00	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-331(3.0-3.5) Soil Sample
DELTA UPLANDS 12/14/09

LLI Sample # SW 5872564
LLI Group # 1176510
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/22/2009 10:24 by DY

Account Number: 07032

Submitted: 12/23/2009 11:05
Reported: 01/06/2010 at 18:17
Discard: 02/06/2010

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Newark DE 19713

P3313 SDG#: DLN33-12

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 7471A	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	1.30	0.0612	0.533	5
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	8.9	0.50	0.50	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.						

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	093655711005	01/04/2010 19:34	Nelli S Markaryan	5
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	093655711005	01/03/2010 23:00	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	09362820002B	12/28/2009 15:00	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-334(1.5-2.0) Soil Sample
DELTA UPLANDS 12/14/09

LLI Sample # SW 5872565
LLI Group # 1176510
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/22/2009 10:46 by DY

Account Number: 07032

Submitted: 12/23/2009 11:05
Reported: 01/06/2010 at 18:17
Discard: 02/06/2010

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Newark DE 19713

PM334 SDG#: DLN33-13

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 7471A	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.0249 J	0.0123	0.107	1
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	11.7	0.50	0.50	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.						

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	093655711005	01/04/2010 18:49	Nelli S Markaryan	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	093655711005	01/03/2010 23:00	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	09362820002B	12/28/2009 15:00	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-335(2.0-2.5) Soil Sample
DELTA UPLANDS 12/14/09

LLI Sample # SW 5872566
LLI Group # 1176510
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/22/2009 11:13 by DY

Account Number: 07032

Submitted: 12/23/2009 11:05
Reported: 01/06/2010 at 18:17
Discard: 02/06/2010

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P3352 SDG#: DLN33-14

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 7471A	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.0807 J	0.0119	0.103	1
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	8.8	0.50	0.50	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.						

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	093655711005	01/04/2010 18:50	Nelli S Markaryan	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	093655711005	01/03/2010 23:00	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	09362820002B	12/28/2009 15:00	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-335(3.0-3.5) Soil Sample
DELTA UPLANDS 12/14/09

LLI Sample # SW 5872567
LLI Group # 1176510
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/22/2009 11:18 by DY

Account Number: 07032

Submitted: 12/23/2009 11:05
Reported: 01/06/2010 at 18:17
Discard: 02/06/2010

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Newark DE 19713

P3353 SDG#: DLN33-15

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 7471A	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.0660 J	0.0124	0.108	1
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	10.3	0.50	0.50	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.						

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	093655711005	01/04/2010 18:51	Nelli S Markaryan	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	093655711005	01/03/2010 23:00	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	09362820002B	12/28/2009 15:00	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-118D2(7.0-7.5) Soil Sample
DELTA UPLANDS 12/14/09

LLI Sample # SW 5872568
LLI Group # 1176510
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/22/2009 11:47 by DY

Account Number: 07032

Submitted: 12/23/2009 11:05
Reported: 01/06/2010 at 18:17
Discard: 02/06/2010

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Newark DE 19713

PM118 SDG#: DLN33-16

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 7471A	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.0445 J	0.0127	0.111	1
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	11.9	0.50	0.50	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.						

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	093655711005	01/04/2010 18:52	Nelli S Markaryan	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	093655711005	01/03/2010 23:00	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	09362820002B	12/28/2009 15:00	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-328(0.0-0.5) Soil Sample
DELTA UPLANDS 12/14/09

LLI Sample # SW 5872569
LLI Group # 1176510
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/22/2009 13:14 by DY

Account Number: 07032

Submitted: 12/23/2009 11:05
Reported: 01/06/2010 at 18:17
Discard: 02/06/2010

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Newark DE 19713

PM328 SDG#: DLN33-17

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010B	mg/kg	mg/kg	mg/kg	
06955	Lead	7439-92-1	103	0.755	1.89	1
	The recovery of the post digestion spike performed on the background was 95% for lead.					
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	20.5	0.50	0.50	1
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.					

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	093655708005	01/06/2010 00:01	John W Yanzuk II	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	093655708005	01/03/2010 20:10	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	09362820002B	12/28/2009 15:00	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-305(0.0-0.5) Soil Sample
DELTA UPLANDS 12/14/09

LLI Sample # SW 5872570
LLI Group # 1176510
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/22/2009 13:22 by DY

Account Number: 07032

Submitted: 12/23/2009 11:05
Reported: 01/06/2010 at 18:17
Discard: 02/06/2010

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Newark DE 19713

PM305 SDG#: DLN33-18

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals			SW-846 6010B	mg/kg	mg/kg	mg/kg
06955	Lead	7439-92-1	174	0.733	1.83	1
	The recovery of the post digestion spike performed on the background was 95% for lead.					
06936	Selenium	7782-49-2	N.D.	1.20	2.44	1
Wet Chemistry			SM20 2540 G	%	%	%
00111	Moisture	n.a.	18.2	0.50	0.50	1
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.					

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	093655708005	01/06/2010 00:04	John W Yanzuk II	1
06936	Selenium	SW-846 6010B	1	093655708005	01/06/2010 00:04	John W Yanzuk II	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	093655708005	01/03/2010 20:10	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	09362820002B	12/28/2009 15:00	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-277(1.5-2.0) Soil Sample
DELTA UPLANDS 12/14/09

LLI Sample # SW 5872571
LLI Group # 1176510
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/22/2009 13:41 by DY

Account Number: 07032

Submitted: 12/23/2009 11:05
Reported: 01/06/2010 at 18:17
Discard: 02/06/2010

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Newark DE 19713

PM277 SDG#: DLN33-19

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010B	mg/kg	mg/kg	mg/kg	
06955	Lead	7439-92-1	35.1	0.736	1.84	1
	The recovery of the post digestion spike performed on the background was 95% for lead.					
		SW-846 7471A	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	4.17	0.137	1.20	10
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	18.5	0.50	0.50	1
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.					

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	093655708005	01/06/2010 00:07	John W Yanzuk II	1
00159	Mercury	SW-846 7471A	1	093655711005	01/04/2010 19:35	Nelli S Markaryan	10
05708	SW SW846 ICP Digest	SW-846 3050B	1	093655708005	01/03/2010 20:10	Annamaria Stipkovits	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	093655711005	01/03/2010 23:00	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	09362820002B	12/28/2009 15:00	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-21D2(7.0-7.5) Soil Sample
DELTA UPLANDS 12/14/09

LLI Sample # SW 5872572
LLI Group # 1176510
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/22/2009 14:20 by DY

Account Number: 07032

Submitted: 12/23/2009 11:05
Reported: 01/06/2010 at 18:17
Discard: 02/06/2010

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PM21D SDG#: DLN33-20

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 7471A	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.0663 J	0.0134	0.117	1
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	17.6	0.50	0.50	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.						

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	093655711005	01/04/2010 18:56	Nelli S Markaryan	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	093655711005	01/03/2010 23:00	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	09362820002B	12/28/2009 15:00	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-19D2(5.0-5.5) Soil Sample
DELTA UPLANDS 12/14/09

LLI Sample # SW 5872573
LLI Group # 1176510
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/22/2009 14:49 by DY

Account Number: 07032

Submitted: 12/23/2009 11:05
Reported: 01/06/2010 at 18:17
Discard: 02/06/2010

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PM19D SDG#: DLN33-21

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 7471A	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	1.23	0.0174	0.152	1
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	36.1	0.50	0.50	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.						

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	093655711005	01/04/2010 18:57	Nelli S Markaryan	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	093655711005	01/03/2010 23:00	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	09362820001B	12/28/2009 14:39	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-332(5.0-5.5) Soil Sample
DELTA UPLANDS 12/14/09

LLI Sample # SW 5872574
LLI Group # 1176510
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/22/2009 15:53 by DY

Account Number: 07032

Submitted: 12/23/2009 11:05
Reported: 01/06/2010 at 18:17
Discard: 02/06/2010

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Newark DE 19713

PM332 SDG#: DLN33-22

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 7471A	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.189	0.0120	0.105	1
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	8.7	0.50	0.50	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.						

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	093655711005	01/04/2010 19:01	Nelli S Markaryan	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	093655711005	01/03/2010 23:00	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	2	09363820003B	12/29/2009 17:17	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-K-536-EQBLK14 Blank Water Sample
DELTA UPLANDS 12/14/09

LLI Sample # WW 5872575
LLI Group # 1176510
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/21/2009 15:20 by DY

Account Number: 07032

Submitted: 12/23/2009 11:05
Reported: 01/06/2010 at 18:17
Discard: 02/06/2010

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URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

PME14 SDG#: DLN33-23EB

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals						
07055	Lead	SW-846 6010B 7439-92-1	mg/l N.D.	mg/l 0.0069	mg/l 0.0150	1
00259	Mercury	SW-846 7470A 7439-97-6	mg/l N.D.	mg/l 0.000056	mg/l 0.00020	1

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	093635705003	12/31/2009 01:39	Tara L Snyder	1
00259	Mercury	SW-846 7470A	1	093635713004	12/30/2009 16:01	Parker D Lindstrom	1
05705	WW/TL SW 846 ICP Digest (tot)	SW-846 3010A	1	093635705003	12/30/2009 09:06	Denise K Connors	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	093635713004	12/29/2009 18:30	Nelli S Markaryan	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-K-536-EQBLK15 Blank Water Sample
DELTA UPLANDS 12/14/09

LLI Sample # WW 5872576
LLI Group # 1176510
NJ

Project Name: POM - DELTA UPLANDS

Collected: 12/22/2009 13:25 by DY

Account Number: 07032

Submitted: 12/23/2009 11:05
Reported: 01/06/2010 at 18:17
Discard: 02/06/2010

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

PME15 SDG#: DLN33-24EB*

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010B	mg/l	mg/l	mg/l	
07055	Lead	7439-92-1	N.D.	0.0069	0.0150	1
07036	Selenium	7782-49-2	N.D.	0.0089	0.0200	1
		SW-846 7470A	mg/l	mg/l	mg/l	
00259	Mercury	7439-97-6	N.D.	0.000056	0.00020	1

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	093635705003	12/31/2009 01:42	Tara L Snyder	1
07036	Selenium	SW-846 6010B	1	093635705003	12/31/2009 01:42	Tara L Snyder	1
00259	Mercury	SW-846 7470A	1	093635713004	12/30/2009 16:03	Parker D Lindstrom	1
05705	WW/TL SW 846 ICP Digest (tot)	SW-846 3010A	1	093635705003	12/30/2009 09:06	Denise K Connors	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	093635713004	12/29/2009 18:30	Nelli S Markaryan	1

*=This limit was used in the evaluation of the final result

Quality Control Summary

 Client Name: CRG-E.I.DuPont de Nemours & Co
 Reported: 01/06/10 at 06:17 PM

Group Number: 1176510

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: 093635705003	Sample number(s): 5872575-5872576								
Lead	N.D.	0.0069	0.0150	mg/l	102		80-120		
Selenium	N.D.	0.0089	0.0200	mg/l	104		80-120		
Batch number: 093635713004	Sample number(s): 5872575-5872576								
Mercury	N.D.	0.00005	0.00020	mg/l	104		80-120		
		6							
Batch number: 093655708005	Sample number(s): 5872552-5872556, 5872559, 5872561-5872563, 5872569-5872571								
Lead	N.D.	0.600	1.50	mg/kg	94		85-114		
Selenium	N.D.	0.980	2.00	mg/kg	104		90-109		
Batch number: 093655711005	Sample number(s): 5872550-5872558, 5872560, 5872564-5872568, 5872571-5872574								
Mercury	N.D.	0.0110	0.0955	mg/kg	96		66-135		
Batch number: 09362820001B	Sample number(s): 5872573								
Moisture					100		99-101		
Batch number: 09362820002A	Sample number(s): 5872550-5872551, 5872556-5872562								
Moisture					100		99-101		
Batch number: 09362820002B	Sample number(s): 5872563-5872572								
Moisture					100		99-101		
Batch number: 09363820002B	Sample number(s): 5872552-5872555								
Moisture					100		99-101		
Moisture					100		99-101		
Moisture Duplicate					100		99-101		
Batch number: 09363820003B	Sample number(s): 5872574								
Moisture					100		99-101		

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
 Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>RPD MAX</u>	<u>BKG Conc</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>
Batch number: 093635705003	Sample number(s): 5872575-5872576 UNSPK: P869369 BKG: P869369								
Lead	101	100	75-125	1	20	N.D.	N.D.	0 (1)	20
Selenium	108	108	75-125	0	20	N.D.	N.D.	0 (1)	20

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

 Client Name: CRG-E.I.DuPont de Nemours & Co
 Reported: 01/06/10 at 06:17 PM

Group Number: 1176510

Sample Matrix Quality Control

 Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
 Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup RPD</u> <u>Max</u>
Batch number: 093635713004 Mercury	97	97	80-120	0	20	N.D.	0 (1)	20
Batch number: 093655708005 Lead	35*	104	75-125	32*	20	22.0	3	20
Selenium	113	109	75-125	4	20	N.D.	0 (1)	20
Batch number: 093655711005 Mercury	318 (2)	-197 (2)	80-120	63*	20	1.25	1.15	9 (1)
Batch number: 09362820001B Moisture					9.7	7.6	24*	15
Batch number: 09362820002A Moisture					43.3	35.2	21*	15
Batch number: 09362820002B Moisture					20.5	21.6	5	15
Batch number: 09363820002B Moisture					31.4	36.1	14	15
Moisture					31.4	36.1	14	15
Moisture Duplicate					31.4	36.1	14	15
Batch number: 09363820003B Moisture					8.7	9.2	6	15

*- Outside of specification

**-This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.



Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only

Group No.: 1176510 Sample Nos.: 5872550-76
 Acc't: 07032 SCR No.: 84887 Cooler No.: 16794 **15072**
 Cooler Temperature upon receipt: 1.1°C °C Container No.: 1

Facility Name: Pompton Lakes	Project Manager: Marj Vetter	Analyses Required										Comments:
Facility Contact: George Nemeth	Facility Contact Phone No.: 973-492-7735	Moisture (SM20 2540 G)	Cu (6010)	Pb (6010)	Se (6010)	Hg (7471)						
Facility Address: Pompton Lakes Works	Job No.: 9267-7720100C-WH06507906											
2000 Cannonball Road	Release No.: LA28382											
Pompton Lakes NJ 07442	PO Number: LBIO-66380											
Sampler(s): <u>Dan Youngblood / Jennifer Ferrara / Jeff Detrick</u>												
Project Name: DELTA UPLANDS 12/14/09												

Sample Identification	Date Collected	Time Collected	Matrix	Containers			Moisture	Cu (6010)	Pb (6010)	Se (6010)	Hg (7471)	Condition upon receipt:
				Volume (ml)	Preserv	No.						
POM-S-536-334 (1.5-2.0)	12/22/09	1046	SW	125	None	1	X				X	Taken
POM-S-536-335 (2.0-2.5)	12/22/09	1113	SW	125	None	1	X				X	
POM-S-536-335 (3.0-3.5)	12/22/09	1118	SW	125	None	1	X				X	
POM-S-536-118 D2 (7.0-7.5)	12/22/09	1147	SW	125	None	1	X				X	
POM-S-536-338 (0.0-0.5)	12/22/09	1314	SW	125	None	1	X	X				
POM-S-536-305 (0.0-0.5)	12/22/09	1322	SW	125	None	1	X	X	X			
POM-S-536-277 (1.5-2.0)	12/22/09	1341	SW	125	None	1	X	X			X	
POM-S-536-21 D2 (7.0-7.5)	12/22/09	1420	SW	125	None	1	X				X	
POM-S-536-19 D2 (5.0-5.5)	12/22/09	1449	SW	125	None	1	X				X	
POM-S-536-332 (5.0-5.5)	12/22/09	1553	SW	125	None	1	X				X	

Turnaround Time Requested (please circle): <u>Normal</u> Rush Number of days: _____				Special Instructions:			
Bottles Relinquished by: <u>Bottle Storage</u>	Date	Time	Bottles Received by:	Date:	Time:		
<u>[Signature]</u>	12/22/09	1630					
Bottles Relinquished by:	Date	Time	Bottles Received by:	Date:	Time:		
Bottles Relinquished by:	Date	Time	Bottles Received by:	Date:	Time:		
			<u>Marj Ben</u>	12/23/09	1105		

Lancaster Laboratories, Inc. 2425 New Holland Pike Lancaster, PA 17601 (717) 656-2300

Copies: White copy should accompany samples to Lancaster Laboratories. The yellow copy should be retained by the samplers.



Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only

Group No.: 1176510 Sample Nos.: 5872550-76

Acc't: 07032 SCR No.: 85092 Cooler No.: 116794

Cooler Temperature upon receipt: 11 °C Container No.: 1

15073

Facility Name: Pompton Lakes	Project Manager: Marj Vetter	Analyses Required					Comments:										
Facility Contact: George Nemeth	Facility Contact Phone No.: 973-492-7735																
Facility Address: Pompton Lakes Works	Job No.: 9267-7720100C-WH06507906																
2000 Cannonball Road	Release No.: LA28382																
Pompton Lakes NJ 07442	PO Number: LBIO-66380																
Sampler(s): <u>Dan Youngblood / Jennifer Ferrara</u>																	
Project Name: DELTA UPLANDS 12/14/09		Moisture (SM20 2540 G)					Condition upon receipt: <u>Irish</u>										
Sample Identification	Date Collected							Time Collected	Matrix	Containers			Moisture	Cu (6010)	Pb (6010)	Se (6010)	Hg (7471)
										Volume (ml)	Preserv	No.					
POM-S-536-306 (3.0-3.5)	-MS							<u>12/21/09</u>	<u>1515</u>	SW	125	None	1	X	X	X	X
POM-S-536-306 (3.0-3.5)	-MSD							<u>12/21/09</u>	<u>1515</u>	SW	125	None	1	X	X	X	X
POM-S-536-306 (3.0-3.5)	-DUP							<u>12/21/09</u>	<u>1515</u>	SW	125	None	1	X	X	X	X

Turnaround Time Requested (please circle): Normal Rush Number of days: _____

Special Instructions:

Bottles Relinquished by: <u>Battustorege</u>	Date	Time	Bottles Received by:	Date:	Time:
Bottles Relinquished by:	Date	Time	Bottles Received by:	Date:	Time:
Bottles Relinquished by:	Date	Time	Bottles Received by:	Date:	Time:
Bottles Relinquished by:	Date	Time	Bottles Received by:	Date:	Time:



Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only

Group No.: 1176510 Sample Nos.: 5872530-10 10794
 Acc't: 07032 SCR No.: 84887 Cooler No.:
 Cooler Temperature upon receipt: 61 °C Container No.: **15074**

Facility Name: Pompton Lakes		Project Manager: Marj Vetter			Analyses Required <table border="1" style="width:100%; height:100%; border-collapse: collapse;"> <tr> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> </table>																																																																																																																																																																																																																																												Comments:	
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Copies: White copy should accompany samples to Lancaster Laboratories. The yellow copy should be retained by the samplers.



Environmental Sample Administration Receipt Documentation Log

Client/Project: Pompton Lakes
 Date of Receipt: 12/23/09
 Time of Receipt: 1105
 Source Code: 5b-1
 Unpacker Emp. No.: 2316

Shipping Container Sealed: YES NO

Custody Seal Present *: YES NO

* Custody seal was intact unless otherwise noted in the discrepancy section

Package: Chilled Not Chilled

Temperature of Shipping Containers							
Cooler #	Thermometer ID	Temperature (°C)	Temp Bottle (TB) or Surface Temp (ST)	Wet Ice (WI) or Dry Ice (DI) or Ice Packs (IP)	Ice Present? Y/N	Loose (L) Bagged Ice (B) or NA	Comments
1	012765	1.1K	TB	WI	Y	L	
2	↓	2.2K	↓	↓	↓	↓	
3							
4							
5							
6							

Number of Trip Blanks received NOT listed on chain of custody. 2

Paperwork Discrepancy/Unpacking Problems:

-received 2 vials for POM-K-TB1K-2 not on CC.

Sample Administration Internal Chain of Custody			
Name	Date	Time	Reason for Transfer
<u>Mary Mear</u>	<u>12/23/09</u>	<u>1435</u>	Unpacking to storage
<u>Sammy Belal</u>	<u>12/23/09</u>	<u>1458</u>	Place in Storage or <input checked="" type="radio"/> Entry
			Entry
			Entry

Lancaster Laboratories Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

N.D.	none detected	BMQL	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	MPN	Most Probable Number
IU	International Units	CP Units	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	NTU	nephelometric turbidity units
C	degrees Celsius	F	degrees Fahrenheit
Cal	(diet) calories	lb.	pound(s)
meq	milliequivalents	kg	kilogram(s)
g	gram(s)	mg	milligram(s)
ug	microgram(s)	l	liter(s)
ml	milliliter(s)	ul	microliter(s)
m3	cubic meter(s)	fib >5 um/ml	fibers greater than 5 microns in length per ml
<	less than – The number following the sign is the <u>limit of quantitation</u> , the smallest amount of analyte which can be reliably determined using this specific test.		
>	greater than		
ppm	parts per million – One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.		
ppb	parts per billion		
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture.		

U.S. EPA data qualifiers:

Organic Qualifiers

A	TIC is a possible aldol-condensation product
B	Analyte was also detected in the blank
C	Pesticide result confirmed by GC/MS
D	Compound quantitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
J	Estimated value
N	Presumptive evidence of a compound (TICs only)
P	Concentration difference between primary and confirmation columns >25%
U	Compound was not detected
X,Y,Z	Defined in case narrative

Inorganic Qualifiers

B	Value is <CRDL, but ≥IDL
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike amount not within control limits
S	Method of standard additions (MSA) used for calculation
U	Compound was not detected
W	Post digestion spike out of control limits
*	Duplicate analysis not within control limits
+	Correlation coefficient for MSA <0.995

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

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Memorandum

DATE: FEBRUARY 10, 2010

TO: GEORGE NEMETH

MARJ VETTER

FROM: Dyana C. Sagges

RE: DELTA UPLANDS 1/4/10

Enclosed is the data report for solid samples collected 1/5-7/10. The samples were submitted to Lancaster Laboratories, Lancaster PA for the analyses listed below (not all analyses were scheduled for all samples- refer to the attached custody forms). All samples were received at the laboratory and analyzed within the recommended EPA holding times.

ANALYSIS	METHOD
Lead	SW 846 6010B
Mercury	SW-846 7471A/ 7470A
Moisture (percent)	SM20 2540G

The electronic data submitted for this sampling event was reviewed via the DuPont Data Review (DDR) process. No significant QC exceptions were noted during the review. Some of the data has been qualified due to detections between the method detection limit and practical quantitation limit. The chain of custody pages are printed with the project name as Delta Uplands 12/14/09, this was changed to Delta Uplands 1/4/10 when the samples were logged in at the lab

Some of the sample ids have a "D2" in them. They are, POM-S-536-20D2(6.0-6.5), -536-35D2(7.0-7.5), -535-34D2(6.0-6.5), collected 1/5 and -536-290D2(4.0-4.5) collected 1/7/10. This is to define cores that were sampled for an additional round for either horizontal stepout delineation or further depth delineation.

If the initial core location met the screening criteria, it had the core number only. If it was found to be above criteria, it was recollected by macrocore at the same location, and labeled with a "D". If the sample was still found to be above criteria, the field team went back to the same location, macrocored deeper, and the interval was labeled "D2".

Please do not hesitate to contact me if you have any questions regarding this report.

DuPont In-House Review (DDR)

The DDR is an automated internal review process used by the ADQM group to determine if the data is usable. The data is run through this automated program where a series of checks are performed on the data. The data is evaluated against hold time criteria, checked for blank contamination, assessed against matrix spike(MS)/matrix spike duplicate (MSD) recoveries, assessed against relative percent differences (RPDs) between these samples, assessed against laboratory control sample(LCS)/control sample duplicate (LCSD) recoveries, assessed against RPDs between these samples, assessed against RPDs between laboratory replicates, and assessed against surrogate spike recoveries. The DDR applies the following data qualifiers to analysis results, as warranted:

Qualifier	Definition
B	Not detected substantially above the level reported in the laboratory or field blanks.
R	Unusable result. Analyte may or may not be present in the sample.
J	Analyte present. Reported value may not be accurate or precise.
UJ	Not detected. Reporting limit may not be accurate or precise.

Laboratory Qualifiers

The laboratory may have applied one or more of the following data qualifiers to analysis results, as warranted:

DIL	The concentration is estimated or not reported due to dilution or to the presence of interfering analytes.
NC	The recovery and or RPD were not calculated.
J	Estimated value; result falls between method detection limit (mdl) and practical quantitation limit (pql).
U	Analyte was not detected at the specified reporting limit
B	Analyte concentration is not significantly greater than that detected in an associated method blank.

J	Estimated value; result falls between method detection limit (mdl) and practical quantitation limit (pql).
*	Surrogate recovery is outside stated control limits.
J	Method blank contamination. The associated method blank contains the target analyte at a reportable level.
B	Estimated result. Result is less than reporting limit (RL)
Q	Elevated reporting limit. The reporting limit is elevated because sample dilution was required to bring target compounds within calibration range of the analytical system.
G	Elevated reporting limit. The reporting limit is elevated because sample dilution was required for analysis due to matrix interference.

These lab qualifiers are applied independent of DuPont In-House Data Review (DDR) qualifiers.

**DUPONT POMPTON LAKES WORKS
DELTA UPLANDS 1/4/10**

Pompton Lakes, NJ

February 10, 2010

Prepared for

George Nemeth, URS Diamond

Prepared by

URS
ADQM Group – Dyana C. Sagges
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark, DE 19713

Corporate Environmental Database
DDR Narrative Report

Site: POM - POMPTON LAKES WORKS

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Reporting Limit: MDL

DDR Standards LABSTATS

The reported result is greater than/equal to the MDL and less than the PQL; it should be considered an estimated value.

Sample ID	Date Sampled	Lab ID	Analyte	Result	Units	MDL	PQL	Qual	Analytical Methods		
									Analysis	Preprep-	Prep-
POM-S-536-20D2(6.0-6.5)	1/5/2010	5877939-HG FS	MERCURY	0.0671	MG/K	0.0127	0.110	J	7471A		7471A MOD.

**Corporate Environmental Database
Summary of Positive Results
with Laboratory and DDR Qualifiers**

Site: POM - POMPTON LAKES WORKS

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Project: DELTA UPLANDS 1/4/10

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Reporting Limit: MDL

Analyte/Parameter	Result	Qualifiers		Unit	Detection Limit		Analytical Methods		
		LAB	DDR		MDL	PQL	Analysis	Preprep-	Prep-
Sampling Point: 536-290D2 Date sampled: Jan 07, 2010		Sampleno:	POM-S-536-290D2(4.0-4.5)						
		Sample type:	Soil						
MOISTURE	32.5			%	0.50	0.50	SM 2540 G		
Sampling Point: 536-316 Date sampled: Jan 05, 2010		Sampleno:	POM-S-536-316(4.0-4.5)						
		Sample type:	Soil						
LEAD	660			MG/KG	1.34	3.34	6010B		3050B
MOISTURE	55.1			%	0.50	0.50	SM 2540 G		
Sampling Point: 536-316 Date sampled: Jan 05, 2010		Sampleno:	POM-S-536-316(5.0-5.5)						
		Sample type:	Soil						
MERCURY	0.213			MG/KG	0.0221	0.192	7471A		7471A MOD.
MOISTURE	48.9			%	0.50	0.50	SM 2540 G		
Sampling Point: 536-336 Date sampled: Jan 07, 2010		Sampleno:	POM-S-536-336(3.0-3.5)						
		Sample type:	Soil						
MERCURY	14.0			MG/KG	0.242	2.10	7471A		7471A MOD.
MOISTURE	53.8			%	0.50	0.50	SM 2540 G		
Sampling Point: 536-338 Date sampled: Jan 06, 2010		Sampleno:	POM-S-536-338(1.0-1.5)						
		Sample type:	Soil						
MERCURY	3.62			MG/KG	0.133	1.16	7471A		7471A MOD.
MOISTURE	15.3			%	0.50	0.50	SM 2540 G		
Sampling Point: 536-338 Date sampled: Jan 06, 2010		Sampleno:	POM-S-536-338(2.0-2.5)						
		Sample type:	Soil						
MERCURY	9.91			MG/KG	0.270	2.35	7471A		7471A MOD.
MOISTURE	15.2			%	0.50	0.50	SM 2540 G		
Sampling Point: 536-343 Date sampled: Jan 07, 2010		Sampleno:	POM-S-536-343(1.0-1.5)						
		Sample type:	Soil						
MERCURY	7.59			MG/KG	0.150	1.31	7471A		7471A MOD.
MOISTURE	26.0			%	0.50	0.50	SM 2540 G		
Sampling Point: 536-343 Date sampled: Jan 07, 2010		Sampleno:	POM-S-536-343(2.0-2.5)						
		Sample type:	Soil						
MERCURY	0.405			MG/KG	0.0139	0.121	7471A		7471A MOD.
MOISTURE	19.2			%	0.50	0.50	SM 2540 G		
Sampling Point: 536-343 Date sampled: Jan 07, 2010		Sampleno:	POM-S-536-343(1.0-1.5)-DUP						
		Sample type:	Soil						
MERCURY	5.23			MG/KG	0.140	1.22	7471A		7471A MOD.
MOISTURE	20.6			%	0.50	0.50	SM 2540 G		

**Corporate Environmental Database
Summary of Positive Results
with Laboratory and DDR Qualifiers**

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Reporting Limit: MDL

Analyte/Parameter	Result	Qualifiers		Unit	Detection Limit		Analytical Methods		
		LAB	DDR		MDL	PQL	Analysis	Preprep-	Prep-
Sampling Point: 536-344 Date sampled: Jan 06, 2010				Sampleno: POM-S-536-344(1.0-1.5) Sample type: Soil					
MERCURY	53.7			MG/KG	2.33	20.3	7471A		7471A MOD.
MOISTURE	76.3			%	0.50	0.50	SM 2540 G		
Sampling Point: 536-20D2 Date sampled: Jan 05, 2010				Sampleno: POM-S-536-20D2(6.0-6.5) Sample type: Soil					
MERCURY	0.0671	J	J	MG/KG	0.0127	0.110	7471A		7471A MOD.
MOISTURE	14.4			%	0.50	0.50	SM 2540 G		
Sampling Point: 536-34D2 Date sampled: Jan 05, 2010				Sampleno: POM-S-536-34D2(6.0-6.5) Sample type: Soil					
MERCURY	32.6			MG/KG	0.737	6.42	7471A		7471A MOD.
MOISTURE	69.6			%	0.50	0.50	SM 2540 G		
Sampling Point: 536-35D2 Date sampled: Jan 05, 2010				Sampleno: POM-S-536-35D2(7.0-7.5) Sample type: Soil					
MERCURY	0.347			MG/KG	0.0125	0.109	7471A		7471A MOD.
MOISTURE	8.8			%	0.50	0.50	SM 2540 G		
Sampling Point: 536-317 Date sampled: Jan 05, 2010				Sampleno: POM-S-536-317(4.0-4.5) Sample type: Soil					
LEAD	11.8			MG/KG	0.997	2.49	6010B		3050B
MERCURY	2.71			MG/KG	0.0930	0.810	7471A		7471A MOD.
MOISTURE	39.8			%	0.50	0.50	SM 2540 G		
Sampling Point: 536-336 Date sampled: Jan 07, 2010				Sampleno: POM-S-536-336(0.0-0.5) Sample type: Soil					
LEAD	1050			MG/KG	2.76	6.90	6010B		3050B
MERCURY	103			MG/KG	2.58	22.4	7471A		7471A MOD.
MOISTURE	79.1			%	0.50	0.50	SM 2540 G		

**Corporate Environmental Database
Lab Analysis Report
with Laboratory and DDR Qualifiers**

Site: POM - POMPTON LAKES WORKS

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Reporting Limit: MDL

Location: 536-EQBLK18

Field Sample ID: POM-K-536-EQBLK18

Date Sampled: 1/7/2010 16:00:00

Sample Type: Blank Water

Lab Sample ID: 5879774-HG EB

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MERCURY	< 0.000056	U		MG/L	1	0.00020	0.000056	01/13/10	7470A	METHOD	
LEAD	< 0.0069	U		MG/L	1	0.0150	0.0069	01/13/10	6010B	3010A	

Location: 536-343

Field Sample ID: POM-S-536-343(1.0-1.5)

Date Sampled: 1/7/2010 14:35:00

Sample Type: Soil

Lab Sample ID: 5879765-HG FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MERCURY	7.59			MG/KG	10	1.31	0.150	01/12/10	7471A	7471A MOD.	
MOISTURE	26.0			%	1	0.50	0.50	01/12/10	SM 2540 G		

Location: 536-343

Field Sample ID: POM-S-536-343(1.0-1.5)-DUP

Date Sampled: 1/7/2010 14:35:00

Sample Type: Soil

Lab Sample ID: 5879769-HG FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MERCURY	5.23			MG/KG	10	1.22	0.140	01/12/10	7471A	7471A MOD.	
MOISTURE	20.6			%	1	0.50	0.50	01/12/10	SM 2540 G		

Location: 536-343

Field Sample ID: POM-S-536-343(2.0-2.5)

Date Sampled: 1/7/2010 14:40:00

Sample Type: Soil

Lab Sample ID: 5879770-HG FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MERCURY	0.405			MG/KG	1	0.121	0.0139	01/12/10	7471A	7471A MOD.	
MOISTURE	19.2			%	1	0.50	0.50	01/12/10	SM 2540 G		

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Reporting Limit: MDL

Location: 536-290D2

Field Sample ID: POM-S-536-290D2(4.0-4.5)

Date Sampled: 1/7/2010 15:13:00

Sample Type: Soil

Lab Sample ID: 5879771-HG FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MERCURY	< 0.0165	U		MG/KG	1	0.143	0.0165	01/12/10	7471A		7471A MOD.
MOISTURE	32.5			%	1	0.50	0.50	01/12/10	SM 2540 G		

Location: 536-336

Field Sample ID: POM-S-536-336(0.0-0.5)

Date Sampled: 1/7/2010 15:46:00

Sample Type: Soil

Lab Sample ID: 5879772-HG FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MERCURY	103			MG/KG	50	22.4	2.58	01/12/10	7471A		7471A MOD.
MOISTURE	79.1			%	1	0.50	0.50	01/12/10	SM 2540 G		
LEAD	1050			MG/KG	1	6.90	2.76	01/12/10	6010B		3050B

Location: 536-336

Field Sample ID: POM-S-536-336(3.0-3.5)

Date Sampled: 1/7/2010 15:54:00

Sample Type: Soil

Lab Sample ID: 5879773-HG FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MERCURY	14.0			MG/KG	10	2.10	0.242	01/12/10	7471A		7471A MOD.
MOISTURE	53.8			%	1	0.50	0.50	01/12/10	SM 2540 G		

Location: EQBLK16

Field Sample ID: POM-K-EQBLK16

Date Sampled: 1/5/2010 15:25:00

Sample Type: Blank Water

Lab Sample ID: 5877946-HG EB

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MERCURY	< 0.000056	U		MG/L	1	0.00020	0.000056	01/11/10	7470A		METHOD
LEAD	< 0.0069	U		MG/L	1	0.0150	0.0069	01/13/10	6010B		3010A

**Corporate Environmental Database
Lab Analysis Report
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Reporting Limit: MDL

Location: EQBLK17

Field Sample ID: POM-K-EQBLK17

Date Sampled: 1/6/2010 15:10:00

Sample Type: Blank Water

Lab Sample ID: 5877947-HG EB

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MERCURY	< 0.000056	U		MG/L	1	0.00020	0.000056	01/11/10	7470A		METHOD

Location: 536-34D2

Field Sample ID: POM-S-536-34D2(6.0-6.5)

Date Sampled: 1/5/2010 10:25:00

Sample Type: Soil

Lab Sample ID: 5877937-HG FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MERCURY	32.6			MG/KG	20	6.42	0.737	01/11/10	7471A		7471A MOD.
MOISTURE	69.6			%	1	0.50	0.50	01/12/10	SM 2540 G		

Location: 536-35D2

Field Sample ID: POM-S-536-35D2(7.0-7.5)

Date Sampled: 1/5/2010 11:35:00

Sample Type: Soil

Lab Sample ID: 5877938-HG FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MERCURY	0.347			MG/KG	1	0.109	0.0125	01/11/10	7471A		7471A MOD.
MOISTURE	8.8			%	1	0.50	0.50	01/12/10	SM 2540 G		

Location: 536-20D2

Field Sample ID: POM-S-536-20D2(6.0-6.5)

Date Sampled: 1/5/2010 12:10:00

Sample Type: Soil

Lab Sample ID: 5877939-HG FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MERCURY	0.0671	J	J	MG/KG	1	0.110	0.0127	01/11/10	7471A		7471A MOD.
MOISTURE	14.4			%	1	0.50	0.50	01/12/10	SM 2540 G		

**Corporate Environmental Database
Lab Analysis Report
with Laboratory and DDR Qualifiers**

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Reporting Limit: MDL

Location: 536-316

Field Sample ID: POM-S-536-316(4.0-4.5)

Date Sampled: 1/5/2010 14:10:00

Sample Type: Soil

Lab Sample ID: 5877940-MOIST FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MOISTURE	55.1			%	1	0.50	0.50	01/12/10	SM 2540 G		
LEAD	660			MG/KG	1	3.34	1.34	01/12/10	6010B	3050B	

Location: 536-316

Field Sample ID: POM-S-536-316(5.0-5.5)

Date Sampled: 1/5/2010 14:13:00

Sample Type: Soil

Lab Sample ID: 5877941-HG FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MERCURY	0.213			MG/KG	1	0.192	0.0221	01/11/10	7471A	7471A MOD.	
MOISTURE	48.9			%	1	0.50	0.50	01/12/10	SM 2540 G		

Location: 536-317

Field Sample ID: POM-S-536-317(4.0-4.5)

Date Sampled: 1/5/2010 15:20:00

Sample Type: Soil

Lab Sample ID: 5877942-HG FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MERCURY	2.71			MG/KG	5	0.810	0.0930	01/11/10	7471A	7471A MOD.	
MOISTURE	39.8			%	1	0.50	0.50	01/12/10	SM 2540 G		
LEAD	11.8			MG/KG	1	2.49	0.997	01/12/10	6010B	3050B	

Location: 536-344

Field Sample ID: POM-S-536-344(1.0-1.5)

Date Sampled: 1/6/2010 10:24:00

Sample Type: Soil

Lab Sample ID: 5877943-HG FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MERCURY	53.7			MG/KG	50	20.3	2.33	01/11/10	7471A	7471A MOD.	
MOISTURE	76.3			%	1	0.50	0.50	01/12/10	SM 2540 G		

**Corporate Environmental Database
Lab Analysis Report
with Laboratory and DDR Qualifiers**

Site: POM - POMPTON LAKES WORKS

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Reporting Limit: MDL

Location: 536-338

Field Sample ID: POM-S-536-338(1.0-1.5)

Date Sampled: 1/6/2010 11:30:00

Sample Type: Soil

Lab Sample ID: 5877944-HG FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
<u>Analytes</u>											
MERCURY	3.62			MG/KG	10	1.16	0.133	01/11/10	7471A		7471A MOD.
MOISTURE	15.3			%	1	0.50	0.50	01/12/10	SM 2540 G		

Location: 536-338

Field Sample ID: POM-S-536-338(2.0-2.5)

Date Sampled: 1/6/2010 11:33:00

Sample Type: Soil

Lab Sample ID: 5877945-HG FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
<u>Analytes</u>											
MERCURY	9.91			MG/KG	20	2.35	0.270	01/11/10	7471A		7471A MOD.
MOISTURE	15.2			%	1	0.50	0.50	01/12/10	SM 2540 G		

**Corporate Environmental Database
Lab Analysis QAQC Report**

Site: POMPTON LAKES WORKS
Project: DELTA UPLANDS 1/4/10

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Batch Identifier 263600 7471A MOD. 7471A 10-JAN-10 100085711001 62347

Method Number: 7471A Prep Method: 7471A MOD. Pre-prep:
Batch Start Date: 01/10/2010 Instrument: 62347

Analyte/Parameter	Result	Unit	MDL	PQL	RPR	RPR Limits		RPD	
						Min	Max	RPD	Max
Sample Type MERCURY	LCS	Lab Sample ID: P00811AQQ-HG LCS		Lab: LANCAS					
		10.8	MG/KG	0.220	1.91	92	66	135	
Sample Type MERCURY	MB	Lab Sample ID: P00811ABB-HG MB		Lab: LANCAS					
		< 0.0111	MG/KG	0.0111	0.0967				
Sample Type MERCURY	MS	Lab Sample ID: 5877945-HG MS		Lab: LANCAS					
		5.66	MG/KG	0.220	1.92	NC	80	120	NC
Sample Type MERCURY	MSD	Lab Sample ID: 5877945-HG MSD		Lab: LANCAS					
		6.46	MG/KG	0.220	1.92	NC	80	120	NC
Sample Type MERCURY	REP	Lab Sample ID: 5877945-HG REP		Lab: LANCAS					
		7.95	MG/KG	0.227	1.98				6

The following field samples are included in this batch:

Sampleno	Datesmpl	Lab Id	Lab
POM-S-536-20D2(6.0-6.5)	1/5/2010	5877939-HG FS	LANCAS
POM-S-536-316(5.0-5.5)	1/5/2010	5877941-HG FS	LANCAS
POM-S-536-317(4.0-4.5)	1/5/2010	5877942-HG FS	LANCAS
POM-S-536-338(1.0-1.5)	1/6/2010	5877944-HG FS	LANCAS
POM-S-536-338(2.0-2.5)	1/6/2010	5877945-HG FS	LANCAS
POM-S-536-344(1.0-1.5)	1/6/2010	5877943-HG FS	LANCAS
POM-S-536-34D2(6.0-6.5)	1/5/2010	5877937-HG FS	LANCAS
POM-S-536-35D2(7.0-7.5)	1/5/2010	5877938-HG FS	LANCAS

Batch Identifier 262391 METHOD 7470A 12-JAN-10 100125713001 62347

Method Number: 7470A Prep Method: METHOD Pre-prep:
Batch Start Date: 01/12/2010 Instrument: 62347

Analyte/Parameter	Result	Unit	MDL	PQL	RPR	RPR Limits		RPD	
						Min	Max	RPD	Max
Sample Type MERCURY	LCS	Lab Sample ID: P01213AQQ-HG LCS		Lab: LANCAS					
		0.0010	MG/L	0.000056	0.00020	100	80	120	
Sample Type MERCURY	MB	Lab Sample ID: P01213ABB-HG MB		Lab: LANCAS					
		< 0.000056	MG/L	0.000056	0.00020				
Sample Type MERCURY	MS	Lab Sample ID: 5879565-HG MS		Lab: LANCAS					
		0.0103	MG/L	0.00056	0.0020	103	80	120	
Sample Type MERCURY	MSD	Lab Sample ID: 5879565-HG MSD		Lab: LANCAS					
		0.0114	MG/L	0.00056	0.0020	114	80	120	10
Sample Type MERCURY	REP	Lab Sample ID: 5879565-HG REP		Lab: LANCAS					
		< 0.00056	MG/L	0.00056	0.0020				0

The following field samples are included in this batch:

Sampleno	Datesmpl	Lab Id	Lab
POM-K-536-EQBLK18	1/7/2010	5879774-HG EB	LANCAS

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Batch Identifier 262392 3010A 6010B 12-JAN-10 100125705002 16417

Method Number: 6010B Prep Method: 3010A Pre-prep:
Batch Start Date: 01/12/2010 Instrument: 16417

Analyte/Parameter	Result	Unit	MDL	PQL	RPR	RPR Limits		RPD	
						Min	Max	RPD	Max
Sample Type SILVER	LCS 0.0501	Lab Sample ID: P01205BQQ-AG MG/L	LCS 0.0023	Lab: LANCAS 0.0050	100	83	120		
Sample Type ALUMINUM	LCS 2.29	Lab Sample ID: P01205BQQ-AL MG/L	LCS 0.0802	Lab: LANCAS 0.200	114	90	112		
Sample Type BERYLLIUM	LCS 0.0517	Lab Sample ID: P01205BQQ-BE MG/L	LCS 0.0014	Lab: LANCAS 0.0050	103	90	112		
Sample Type CALCIUM	LCS 4.30	Lab Sample ID: P01205BQQ-CA MG/L	LCS 0.0702	Lab: LANCAS 0.200	108	90	112		
Sample Type CADMIUM	LCS 0.0498	Lab Sample ID: P01205BQQ-CD MG/L	LCS 0.0020	Lab: LANCAS 0.0050	100	90	112		
Sample Type CHROMIUM	LCS 0.206	Lab Sample ID: P01205BQQ-CR MG/L	LCS 0.0034	Lab: LANCAS 0.0150	103	90	110		
Sample Type COPPER	LCS 0.260	Lab Sample ID: P01205BQQ-CU MG/L	LCS 0.0027	Lab: LANCAS 0.0100	104	90	112		
Sample Type IRON	LCS 1.10	Lab Sample ID: P01205BQQ-FE MG/L	LCS 0.0522	Lab: LANCAS 0.200	110	90	112		
Sample Type POTASSIUM	LCS 10.4	Lab Sample ID: P01205BQQ-K MG/L	LCS 0.239	Lab: LANCAS 0.500	104	85	115		
Sample Type MAGNESIUM	LCS 2.09	Lab Sample ID: P01205BQQ-MG MG/L	LCS 0.0172	Lab: LANCAS 0.100	105	89	110		
Sample Type MANGANESE	LCS 0.517	Lab Sample ID: P01205BQQ-MN MG/L	LCS 0.00084	Lab: LANCAS 0.0050	103	90	110		
Sample Type SODIUM	LCS 10.2	Lab Sample ID: P01205BQQ-NA MG/L	LCS 0.433	Lab: LANCAS 1.00	102	87	114		
Sample Type NICKEL	LCS 0.500	Lab Sample ID: P01205BQQ-NI MG/L	LCS 0.0018	Lab: LANCAS 0.0100	100	90	111		
Sample Type LEAD	LCS 0.147	Lab Sample ID: P01205BQQ-PB MG/L	LCS 0.0069	Lab: LANCAS 0.0150	98	80	120		
Sample Type ZINC	LCS 0.494	Lab Sample ID: P01205BQQ-ZN MG/L	LCS 0.0081	Lab: LANCAS 0.0200	99	90	111		
Sample Type SILVER	MB < 0.0023	Lab Sample ID: P01205BBB-AG MG/L	MB 0.0023	Lab: LANCAS 0.0050					
Sample Type ALUMINUM	MB < 0.0802	Lab Sample ID: P01205BBB-AL MG/L	MB 0.0802	Lab: LANCAS 0.200					
Sample Type BERYLLIUM	MB < 0.0014	Lab Sample ID: P01205BBB-BE MG/L	MB 0.0014	Lab: LANCAS 0.0050					
Sample Type CALCIUM	MB < 0.0702	Lab Sample ID: P01205BBB-CA MG/L	MB 0.0702	Lab: LANCAS 0.200					
Sample Type CADMIUM	MB < 0.0020	Lab Sample ID: P01205BBB-CD MG/L	MB 0.0020	Lab: LANCAS 0.0050					
Sample Type CHROMIUM	MB < 0.0034	Lab Sample ID: P01205BBB-CR MG/L	MB 0.0034	Lab: LANCAS 0.0150					
Sample Type COPPER	MB < 0.0027	Lab Sample ID: P01205BBB-CU MG/L	MB 0.0027	Lab: LANCAS 0.0100					
Sample Type IRON	MB < 0.0522	Lab Sample ID: P01205BBB-FE MG/L	MB 0.0522	Lab: LANCAS 0.200					
Sample Type POTASSIUM	MB < 0.239	Lab Sample ID: P01205BBB-K MG/L	MB 0.239	Lab: LANCAS 0.500					
Sample Type MAGNESIUM	MB < 0.0172	Lab Sample ID: P01205BBB-MG MG/L	MB 0.0172	Lab: LANCAS 0.100					
Sample Type MANGANESE	MB < 0.00084	Lab Sample ID: P01205BBB-MN MG/L	MB 0.00084	Lab: LANCAS 0.0050					
Sample Type SODIUM	MB < 0.433	Lab Sample ID: P01205BBB-NA MG/L	MB 0.433	Lab: LANCAS 1.00					
Sample Type NICKEL	MB < 0.0018	Lab Sample ID: P01205BBB-NI MG/L	MB 0.0018	Lab: LANCAS 0.0100					
Sample Type LEAD	MB < 0.0069	Lab Sample ID: P01205BBB-PB MG/L	MB 0.0069	Lab: LANCAS 0.0150					
Sample Type ZINC	MB < 0.0081	Lab Sample ID: P01205BBB-ZN MG/L	MB 0.0081	Lab: LANCAS 0.0200					
Sample Type SILVER	MS 0.0499	Lab Sample ID: 5879567-AG MG/L	MS 0.0023	Lab: LANCAS 0.0050	95	75	125		

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Analyte/Parameter	Result	Unit	MDL	PQL	RPR	RPR Limits		RPD	
						Min	Max	RPD	Max
Sample Type ALUMINUM	MS 2.24	MG/L	0.0802	Lab: LANCAS 0.200	112	75	125		
Sample Type BERYLLIUM	MS 0.0484	MG/L	0.0014	Lab: LANCAS 0.0050	97	87	114		
Sample Type CALCIUM	MS 227	MG/L	0.0702	Lab: LANCAS 0.200	NC	75	125	NC	
Sample Type CADMIUM	MS 0.0508	MG/L	0.0020	Lab: LANCAS 0.0050	102	83	116		
Sample Type CHROMIUM	MS 0.193	MG/L	0.0034	Lab: LANCAS 0.0150	97	81	120		
Sample Type COPPER	MS 0.255	MG/L	0.0027	Lab: LANCAS 0.0100	102	86	122		
Sample Type IRON	MS 25.7	MG/L	0.0522	Lab: LANCAS 0.200	NC	75	125	NC	
Sample Type POTASSIUM	MS 24.2	MG/L	0.239	Lab: LANCAS 0.500	110	75	125		
Sample Type MAGNESIUM	MS 119	MG/L	0.0172	Lab: LANCAS 0.100	NC	75	125	NC	
Sample Type MANGANESE	MS 1.57	MG/L	0.00084	Lab: LANCAS 0.0050	105	75	125		
Sample Type SODIUM	MS 17.5	MG/L	0.433	Lab: LANCAS 1.00	104	75	125		
Sample Type NICKEL	MS 0.492	MG/L	0.0018	Lab: LANCAS 0.0100	98	86	115		
Sample Type LEAD	MS 0.151	MG/L	0.0069	Lab: LANCAS 0.0150	101	75	125		
Sample Type ZINC	MS 0.514	MG/L	0.0081	Lab: LANCAS 0.0200	103	85	117		
Sample Type SILVER	MSD 0.0500	MG/L	0.0023	Lab: LANCAS 0.0050	95	75	125	0	20
Sample Type ALUMINUM	MSD 2.23	MG/L	0.0802	Lab: LANCAS 0.200	112	75	125	1	20
Sample Type BERYLLIUM	MSD 0.0498	MG/L	0.0014	Lab: LANCAS 0.0050	100	87	114	3	20
Sample Type CALCIUM	MSD 224	MG/L	0.0702	Lab: LANCAS 0.200	NC	75	125	NC	20
Sample Type CADMIUM	MSD 0.0502	MG/L	0.0020	Lab: LANCAS 0.0050	100	83	116	1	20
Sample Type CHROMIUM	MSD 0.200	MG/L	0.0034	Lab: LANCAS 0.0150	100	81	120	3	20
Sample Type COPPER	MSD 0.261	MG/L	0.0027	Lab: LANCAS 0.0100	104	86	122	2	20
Sample Type IRON	MSD 25.7	MG/L	0.0522	Lab: LANCAS 0.200	NC	75	125	NC	20
Sample Type POTASSIUM	MSD 24.2	MG/L	0.239	Lab: LANCAS 0.500	110	75	125	0	20
Sample Type MAGNESIUM	MSD 120	MG/L	0.0172	Lab: LANCAS 0.100	NC	75	125	NC	20
Sample Type MANGANESE	MSD 1.61	MG/L	0.00084	Lab: LANCAS 0.0050	112	75	125	2	20
Sample Type SODIUM	MSD 17.4	MG/L	0.433	Lab: LANCAS 1.00	102	75	125	1	20
Sample Type NICKEL	MSD 0.488	MG/L	0.0018	Lab: LANCAS 0.0100	98	86	115	1	20
Sample Type LEAD	MSD 0.150	MG/L	0.0069	Lab: LANCAS 0.0150	100	75	125	1	20
Sample Type ZINC	MSD 0.510	MG/L	0.0081	Lab: LANCAS 0.0200	102	85	117	1	20
Sample Type SILVER	REP < 0.0023	MG/L	0.0023	Lab: LANCAS 0.0050				200	20
Sample Type ALUMINUM	REP < 0.0802	MG/L	0.0802	Lab: LANCAS 0.200				0	20
Sample Type BERYLLIUM	REP < 0.0014	MG/L	0.0014	Lab: LANCAS 0.0050				0	20
Sample Type CALCIUM	REP 221	MG/L	0.0702	Lab: LANCAS 0.200				4	20
Sample Type CADMIUM	REP < 0.0020	MG/L	0.0020	Lab: LANCAS 0.0050				0	20

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Analyte/Parameter	Result	Unit	MDL	PQL	RPR	RPR Limits		RPD	
						Min	Max	RPD	Max
Sample Type CHROMIUM	REP < 0.0034	MG/L	0.0034	0.0150				0	20
Sample Type COPPER	REP < 0.0027	MG/L	0.0027	0.0100				0	20
Sample Type IRON	REP 24.5	MG/L	0.0522	0.200				3	20
Sample Type POTASSIUM	REP 13.8	MG/L	0.239	0.500				4	20
Sample Type MAGNESIUM	REP 116	MG/L	0.0172	0.100				3	20
Sample Type MANGANESE	REP 1.08	MG/L	0.00084	0.0050				3	20
Sample Type SODIUM	REP 7.35	MG/L	0.433	1.00				3	20
Sample Type NICKEL	REP < 0.0018	MG/L	0.0018	0.0100				0	20
Sample Type LEAD	REP < 0.0069	MG/L	0.0069	0.0150				0	20
Sample Type ZINC	REP < 0.0081	MG/L	0.0081	0.0200				0	20

The following field samples are included in this batch:

Sampleno	Datesmpl	Lab Id	Lab
POM-K-536-EQBLK18	1/7/2010	5879774-PB EB	LANCAS
POM-K-EQBLK16	1/5/2010	5877946-PB EB	LANCAS

Batch Identifier 262395 SM 2540 G 12-JAN-10 10012820002B 9001

Method Number: SM 2540 G Prep Method: Pre-prep:
Batch Start Date: 01/12/2010 Intrument: 9001

Analyte/Parameter	Result	Unit	MDL	PQL	RPR	RPR Limits		RPD	
						Min	Max	RPD	Max
Sample Type MOISTURE	LCS 89.5	%	0.50	0.50	100	99	101		
Sample Type MOISTURE	REP 24.8	%	0.50	0.50				5	15

The following field samples are included in this batch:

Sampleno	Datesmpl	Lab Id	Lab
POM-S-536-290D2(4.0-4.5)	1/7/2010	5879771-MOIST FS	LANCAS
POM-S-536-336(0.0-0.5)	1/7/2010	5879772-MOIST FS	LANCAS
POM-S-536-336(3.0-3.5)	1/7/2010	5879773-MOIST FS	LANCAS
POM-S-536-343(1.0-1.5)	1/7/2010	5879765-MOIST FS	LANCAS
POM-S-536-343(1.0-1.5)-DUP	1/7/2010	5879769-MOIST FS	LANCAS
POM-S-536-343(2.0-2.5)	1/7/2010	5879770-MOIST FS	LANCAS

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Batch Identifier 262396 7471A MOD. 7471A 11-JAN-10 100115711002 62347

Method Number: 7471A Prep Method: 7471A MOD. Pre-prep:
Batch Start Date: 01/11/2010 Instrument: 62347

Analyte/Parameter	Result	Unit	MDL	PQL	RPR	RPR Limits		RPD	RPD Max
						Min	Max		
Sample Type MERCURY	LCS 11.2	Lab Sample ID: P01111BQQ-HG LCS MG/KG	0.217	Lab: LANCAS 1.89	96	66	135		
Sample Type MERCURY	MB < 0.0110	Lab Sample ID: P01111BBB-HG MB MG/KG	0.0110	Lab: LANCAS 0.0957					
Sample Type MERCURY	MS 3.11	Lab Sample ID: 5879765-HG MS MG/KG	0.112	Lab: LANCAS 0.978	NC	80	120	NC	
Sample Type MERCURY	MSD 8.80	Lab Sample ID: 5879765-HG MSD MG/KG	0.225	Lab: LANCAS 1.96	NC	80	120	NC	20
Sample Type MERCURY	REP 5.94	Lab Sample ID: 5879765-HG REP MG/KG	0.111	Lab: LANCAS 0.964				6	20

The following field samples are included in this batch:

Sampleno	Datesmpl	Lab Id	Lab
POM-S-536-290D2(4.0-4.5)	1/7/2010	5879771-HG FS	LANCAS
POM-S-536-336(0.0-0.5)	1/7/2010	5879772-HG FS	LANCAS
POM-S-536-336(3.0-3.5)	1/7/2010	5879773-HG FS	LANCAS
POM-S-536-343(1.0-1.5)	1/7/2010	5879765-HG FS	LANCAS
POM-S-536-343(1.0-1.5)-DUP	1/7/2010	5879769-HG FS	LANCAS
POM-S-536-343(2.0-2.5)	1/7/2010	5879770-HG FS	LANCAS

Batch Identifier 262397 3050B 6010B 11-JAN-10 100115708002 11016

Method Number: 6010B Prep Method: 3050B Pre-prep:
Batch Start Date: 01/11/2010 Instrument: 11016

Analyte/Parameter	Result	Unit	MDL	PQL	RPR	RPR Limits		RPD	RPD Max
						Min	Max		
Sample Type LEAD	LCS 69.1	Lab Sample ID: P01108BQQ-PB LCS MG/KG	0.600	Lab: LANCAS 1.50	96	85	114		
Sample Type LEAD	MB < 0.600	Lab Sample ID: P01108BBB-PB MB MG/KG	0.600	Lab: LANCAS 1.50					
Sample Type LEAD	MS 179	Lab Sample ID: 5879772-PB MS MG/KG	0.594	Lab: LANCAS 1.49	NC	75	125	NC	
Sample Type LEAD	MSD 201	Lab Sample ID: 5879772-PB MSD MG/KG	0.594	Lab: LANCAS 1.49	NC	75	125	NC	20
Sample Type LEAD	REP 152	Lab Sample ID: 5879772-PB REP MG/KG	0.594	Lab: LANCAS 1.49				36	20

The following field samples are included in this batch:

Sampleno	Datesmpl	Lab Id	Lab
POM-S-536-336(0.0-0.5)	1/7/2010	5879772-PB FS	LANCAS

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Batch Identifier 263595 METHOD 7470A 08-JAN-10 100085713003 62347

Method Number: 7470A Prep Method: METHOD Pre-prep:
Batch Start Date: 01/08/2010 Instrument: 62347

Analyte/Parameter	Result	Unit	MDL	PQL	RPR	RPR Limits		RPD	
						Min	Max	RPD	Max
Sample Type MERCURY	LCS	Lab Sample ID: P00813CQQ-HG LCS		Lab: LANCAS					
	0.0010	MG/L	0.000056	0.00020	101	80	120		
Sample Type MERCURY	MB	Lab Sample ID: P00813CBB-HG MB		Lab: LANCAS					
	< 0.000056	MG/L	0.000056	0.00020					
Sample Type MERCURY	MS	Lab Sample ID: P877877-HG MS		Lab: LANCAS					
	0.0011	MG/L	0.000056	0.00020	106	80	120		
Sample Type MERCURY	MSD	Lab Sample ID: P877877-HG MSD		Lab: LANCAS					
	0.0011	MG/L	0.000056	0.00020	107	80	120	1	20
Sample Type MERCURY	REP	Lab Sample ID: P877877-HG REP		Lab: LANCAS					
	< 0.000056	MG/L	0.000056	0.00020				0	20

The following field samples are included in this batch:

Sampleno	Datesmpl	Lab Id	Lab
POM-K-EQBLK16	1/5/2010	5877946-HG EB	LANCAS
POM-K-EQBLK17	1/6/2010	5877947-HG EB	LANCAS

Batch Identifier 263598 SM 2540 G 12-JAN-10 10012820002A 9001

Method Number: SM 2540 G Prep Method: Pre-prep:
Batch Start Date: 01/12/2010 Instrument: 9001

Analyte/Parameter	Result	Unit	MDL	PQL	RPR	RPR Limits		RPD	
						Min	Max	RPD	Max
Sample Type MOISTURE	LCS	Lab Sample ID: LC01212Q-MOIST LCS		Lab: LANCAS					
	89.5	%	0.50	0.50	100	99	101		
Sample Type MOISTURE	REP	Lab Sample ID: 5877937-MOIST REP		Lab: LANCAS					
	70.0	%	0.50	0.50				1	15

The following field samples are included in this batch:

Sampleno	Datesmpl	Lab Id	Lab
POM-S-536-20D2(6.0-6.5)	1/5/2010	5877939-MOIST FS	LANCAS
POM-S-536-316(4.0-4.5)	1/5/2010	5877940-MOIST FS	LANCAS
POM-S-536-316(5.0-5.5)	1/5/2010	5877941-MOIST FS	LANCAS
POM-S-536-317(4.0-4.5)	1/5/2010	5877942-MOIST FS	LANCAS
POM-S-536-338(1.0-1.5)	1/6/2010	5877944-MOIST FS	LANCAS
POM-S-536-338(2.0-2.5)	1/6/2010	5877945-MOIST FS	LANCAS
POM-S-536-344(1.0-1.5)	1/6/2010	5877943-MOIST FS	LANCAS
POM-S-536-34D2(6.0-6.5)	1/5/2010	5877937-MOIST FS	LANCAS
POM-S-536-35D2(7.0-7.5)	1/5/2010	5877938-MOIST FS	LANCAS

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Batch Identifier 263599 3050B 6010B 10-JAN-10 100085708001 16417

Method Number: 6010B Prep Method: 3050B Pre-prep:
Batch Start Date: 01/10/2010 Intrument: 16417

Analyte/Parameter	Result	Unit	MDL	PQL	RPR	RPR Limits		RPD	
						Min	Max	RPD	Max
Sample Type	LCS	Lab Sample ID: P00808AQQ-PB LCS			Lab: LANCAS				
LEAD	77.8	MG/KG	0.600	1.50	108	85	114		
Sample Type	MB	Lab Sample ID: P00808ABB-PB MB			Lab: LANCAS				
LEAD	< 0.600	MG/KG	0.600	1.50					
Sample Type	MS	Lab Sample ID: 5877942-PB MS			Lab: LANCAS				
LEAD	22.0	MG/KG	0.600	1.50	100	75	125		
Sample Type	MSD	Lab Sample ID: 5877942-PB MSD			Lab: LANCAS				
LEAD	21.4	MG/KG	0.600	1.50	96	75	125	3	20
Sample Type	REP	Lab Sample ID: 5877942-PB REP			Lab: LANCAS				
LEAD	7.75	MG/KG	0.600	1.50				9	20

The following field samples are included in this batch:

Sampleno	Datesmpl	Lab Id	Lab
POM-S-536-316(4.0-4.5)	1/5/2010	5877940-PB FS	LANCAS
POM-S-536-317(4.0-4.5)	1/5/2010	5877942-PB FS	LANCAS

ANALYTICAL RESULTS

Prepared for:

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

January 20, 2010

Project: POM - DELTA UPLANDS

Samples arrived at the laboratory on Thursday, January 07, 2010. The PO# for this group is LBIO-66380 and the release number is LA28530. The group number for this submittal is 1177636.

<u>Client Sample Description</u>	<u>Lancaster Labs (LLI) #</u>
POM-S-536-34D2(6.0-6.5) Soil Sample	5877937
POM-S-536-35D2(7.0-7.5) Soil Sample	5877938
POM-S-536-20D2(6.0-6.5) Soil Sample	5877939
POM-S-536-316(4.0-4.5) Soil Sample	5877940
POM-S-536-316(5.0-5.5) Soil Sample	5877941
POM-S-536-317(4.0-4.5) Soil Sample	5877942
POM-S-536-344(1.0-1.5) Soil Sample	5877943
POM-S-536-338(1.0-1.5) Soil Sample	5877944
POM-S-536-338(2.0-2.5) Soil Sample	5877945
POM-K-EQBLK16 Blank Water Sample	5877946
POM-K-EQBLK17 Blank Water Sample	5877947

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

ELECTRONIC COPY TO	URS Corporation	Attn: George Nemeth
ELECTRONIC COPY TO	LLI	Attn: EDD Group
1 COPY TO	Data Package Group	

Questions? Contact your Client Services Representative
Nancy J Bornholm at (717) 656-2300

Respectfully Submitted,



Max E. Snavelly
Senior Specialist



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-34D2(6.0-6.5) Soil Sample
DELTA UPLANDS 1/4/10

LLI Sample # SW 5877937
LLI Group # 1177636
NJ

Project Name: POM - DELTA UPLANDS

Collected: 01/05/2010 10:25 by GN

Account Number: 07032

Submitted: 01/07/2010 09:40
Reported: 01/20/2010 at 12:40
Discard: 02/20/2010

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

342D6 SDG#: DLN34-01

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 7471A	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	32.6	0.737	6.42	20
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	69.6	0.50	0.50	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.						

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	100085711001	01/11/2010 19:00	Nelli S Markaryan	20
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	100085711001	01/10/2010 22:25	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	10012820002A	01/12/2010 13:06	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-35D2(7.0-7.5) Soil Sample
DELTA UPLANDS 1/4/10

LLI Sample # SW 5877938
LLI Group # 1177636
NJ

Project Name: POM - DELTA UPLANDS

Collected: 01/05/2010 11:35 by GN

Account Number: 07032

Submitted: 01/07/2010 09:40
Reported: 01/20/2010 at 12:40
Discard: 02/20/2010

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

352D7 SDG#: DLN34-02

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 7471A	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.347	0.0125	0.109	1
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	8.8	0.50	0.50	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.						

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	100085711001	01/11/2010 19:02	Nelli S Markaryan	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	100085711001	01/10/2010 22:25	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	10012820002A	01/12/2010 13:06	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-20D2(6.0-6.5) Soil Sample
DELTA UPLANDS 1/4/10

LLI Sample # SW 5877939
LLI Group # 1177636
NJ

Project Name: POM - DELTA UPLANDS

Collected: 01/05/2010 12:10 by GN

Account Number: 07032

Submitted: 01/07/2010 09:40
Reported: 01/20/2010 at 12:40
Discard: 02/20/2010

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

202D6 SDG#: DLN34-03

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 7471A	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.0671 J	0.0127	0.110	1
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	14.4	0.50	0.50	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.						

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	100085711001	01/11/2010 19:03	Nelli S Markaryan	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	100085711001	01/10/2010 22:25	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	10012820002A	01/12/2010 13:06	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-316(4.0-4.5) Soil Sample
DELTA UPLANDS 1/4/10

LLI Sample # SW 5877940
LLI Group # 1177636
NJ

Project Name: POM - DELTA UPLANDS

Collected: 01/05/2010 14:10 by GN

Account Number: 07032

Submitted: 01/07/2010 09:40
Reported: 01/20/2010 at 12:40
Discard: 02/20/2010

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

3164- SDG#: DLN34-04

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010B	mg/kg	mg/kg	mg/kg	
06955	Lead	7439-92-1	660	1.34	3.34	1
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	55.1	0.50	0.50	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.						

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	100085708001	01/12/2010 18:20	John P Hook	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	100085708001	01/10/2010 20:00	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	10012820002A	01/12/2010 13:06	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-316(5.0-5.5) Soil Sample
DELTA UPLANDS 1/4/10

LLI Sample # SW 5877941
LLI Group # 1177636
NJ

Project Name: POM - DELTA UPLANDS

Collected: 01/05/2010 14:13 by GN

Account Number: 07032

Submitted: 01/07/2010 09:40
Reported: 01/20/2010 at 12:40
Discard: 02/20/2010

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

3165- SDG#: DLN34-05

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 7471A	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.213	0.0221	0.192	1
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	48.9	0.50	0.50	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.						

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	100085711001	01/11/2010 19:05	Nelli S Markaryan	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	100085711001	01/10/2010 22:25	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	10012820002A	01/12/2010 13:06	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

**Sample Description: POM-S-536-317(4.0-4.5) Soil Sample
DELTA UPLANDS 1/4/10**

**LLI Sample # SW 5877942
LLI Group # 1177636
NJ**

Project Name: POM - DELTA UPLANDS

Collected: 01/05/2010 15:20 by GN

Account Number: 07032

Submitted: 01/07/2010 09:40
Reported: 01/20/2010 at 12:40
Discard: 02/20/2010

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

3174- SDG#: DLN34-06

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
06955	Lead	SW-846 6010B 7439-92-1	mg/kg 11.8	mg/kg 0.997	mg/kg 2.49	1
00159	Mercury	SW-846 7471A 7439-97-6	mg/kg 2.71	mg/kg 0.0930	mg/kg 0.810	5
Wet Chemistry						
00111	Moisture	SM20 2540 G n.a.	% 39.8	% 0.50	% 0.50	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.						

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	100085708001	01/12/2010 17:37	John P Hook	1
00159	Mercury	SW-846 7471A	1	100085711001	01/11/2010 19:06	Nelli S Markaryan	5
05708	SW SW846 ICP Digest	SW-846 3050B	1	100085708001	01/10/2010 20:00	Annamaria Stipkovits	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	100085711001	01/10/2010 22:25	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	10012820002A	01/12/2010 13:06	Scott W Freisher	1



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-344(1.0-1.5) Soil Sample
DELTA UPLANDS 1/4/10

LLI Sample # SW 5877943
LLI Group # 1177636
NJ

Project Name: POM - DELTA UPLANDS

Collected: 01/06/2010 10:24 by GN

Account Number: 07032

Submitted: 01/07/2010 09:40
Reported: 01/20/2010 at 12:40
Discard: 02/20/2010

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

3441- SDG#: DLN34-07

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 7471A	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	53.7	2.33	20.3	50
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	76.3	0.50	0.50	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.						

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	100085711001	01/11/2010 19:08	Nelli S Markaryan	50
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	100085711001	01/10/2010 22:25	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	10012820002A	01/12/2010 13:06	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-338(1.0-1.5) Soil Sample
DELTA UPLANDS 1/4/10

LLI Sample # SW 5877944
LLI Group # 1177636
NJ

Project Name: POM - DELTA UPLANDS

Collected: 01/06/2010 11:30 by GN

Account Number: 07032

Submitted: 01/07/2010 09:40
Reported: 01/20/2010 at 12:40
Discard: 02/20/2010

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

3381- SDG#: DLN34-08

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 7471A	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	3.62	0.133	1.16	10
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	15.3	0.50	0.50	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.						

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	100085711001	01/11/2010 19:23	Nelli S Markaryan	10
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	100085711001	01/10/2010 22:25	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	10012820002A	01/12/2010 13:06	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-338(2.0-2.5) Soil Sample
DELTA UPLANDS 1/4/10

LLI Sample # SW 5877945
LLI Group # 1177636
NJ

Project Name: POM - DELTA UPLANDS

Collected: 01/06/2010 11:33 by GN

Account Number: 07032

Submitted: 01/07/2010 09:40
Reported: 01/20/2010 at 12:40
Discard: 02/20/2010

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

3382- SDG#: DLN34-09

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 7471A	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	9.91	0.270	2.35	20
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	15.2	0.50	0.50	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.						

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	100085711001	01/11/2010 19:25	Nelli S Markaryan	20
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	100085711001	01/10/2010 22:25	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	10012820002A	01/12/2010 13:06	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-K-EQBLK16 Blank Water Sample
DELTA UPLANDS 1/4/10

LLI Sample # WW 5877946
LLI Group # 1177636
NJ

Project Name: POM - DELTA UPLANDS

Collected: 01/05/2010 15:25 by GN

Account Number: 07032

Submitted: 01/07/2010 09:40
Reported: 01/20/2010 at 12:40
Discard: 02/20/2010

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

PEB16 SDG#: DLN34-10EB

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals						
07055	Lead	SW-846 6010B 7439-92-1	mg/l N.D.	mg/l 0.0069	mg/l 0.0150	1
00259	Mercury	SW-846 7470A 7439-97-6	mg/l N.D.	mg/l 0.000056	mg/l 0.00020	1

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	100125705002	01/13/2010 12:36	Joanne M Gates	1
00259	Mercury	SW-846 7470A	1	100085713003	01/11/2010 09:34	Damary Valentin	1
05705	WW/TL SW 846 ICP Digest (tot)	SW-846 3010A	1	100125705002	01/12/2010 20:30	Annamaria Stipkovits	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	100085713003	01/08/2010 18:45	Nelli S Markaryan	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-K-EQBLK17 Blank Water Sample
DELTA UPLANDS 1/4/10

LLI Sample # WW 5877947
LLI Group # 1177636
NJ

Project Name: POM - DELTA UPLANDS

Collected: 01/06/2010 15:10 by GN

Account Number: 07032

Submitted: 01/07/2010 09:40
Reported: 01/20/2010 at 12:40
Discard: 02/20/2010

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

PEB17 SDG#: DLN34-11EB

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals		SW-846 7470A	mg/l	mg/l	mg/l	
00259	Mercury	7439-97-6	N.D.	0.000056	0.00020	1

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	100085713003	01/11/2010 09:35	Damary Valentin	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	100085713003	01/08/2010 18:45	Nelli S Markaryan	1

*=This limit was used in the evaluation of the final result

Quality Control Summary

 Client Name: CRG-E.I.DuPont de Nemours & Co
 Reported: 01/20/10 at 12:40 PM

Group Number: 1177636

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: 100085708001 Lead	Sample number(s): 5877940,5877942 N.D.			mg/kg	108		85-114		
Batch number: 100085711001 Mercury	Sample number(s): 5877937-5877939,5877941-5877945 N.D.			mg/kg	92		66-135		
Batch number: 100085713003 Mercury	Sample number(s): 5877946-5877947 N.D.			mg/l	101		80-120		
Batch number: 100125705002 Lead	Sample number(s): 5877946 N.D.			mg/l	98		80-120		
Batch number: 10012820002A Moisture	Sample number(s): 5877937-5877945				100		99-101		

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
 Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>RPD MAX</u>	<u>BKG Conc</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>
Batch number: 100085708001 Lead	Sample number(s): 5877940,5877942 100 96 75-125			3	20	UNSPK: 5877942 7.10	BKG: 5877942 7.75	9 (1)	20
Batch number: 100085711001 Mercury	Sample number(s): 5877937-5877939,5877941-5877945 -1717 -1217 80-120			13	20	UNSPK: 5877945 8.41	BKG: 5877945 7.95	6 (1)	20
Batch number: 100085713003 Mercury	Sample number(s): 5877946-5877947 106 107 80-120			1	20	UNSPK: P877877 N.D.	BKG: P877877 N.D.	0 (1)	20
Batch number: 100125705002 Lead	Sample number(s): 5877946 101 100 75-125			1	20	UNSPK: P879567 N.D.	BKG: P879567 N.D.	0 (1)	20
Batch number: 10012820002A Moisture	Sample number(s): 5877937-5877945					BKG: 5877937 69.6	70.0	1	15

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
 (2) The unspiked result was more than four times the spike added.



Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only

Group No.: 177363 Sample Nos.: 5877937-47
 Acc't: 07032 177636 SCR No.: 85333 Cooler No.: C17297 15143
 Cooler Temperature upon receipt: 1.0 °C Container No.: 2

Facility Name: Pompton Lakes							Project Manager: Marj Vetter				Analyses Required													Comments:				
Facility Contact: George Nemeth							Facility Contact Phone No.: 973-492-7735				Moisture (SM20 2540 G)	Cu (6010)	Pb (6010)	Se (6010)	Hg (7471)												Condition upon receipt: <i>ML</i>	
Facility Address: Pompton Lakes Works							Job No.: 9267-7720100C-WH06507906																					
2000 Cannonball Road							Release No.: LA28530																					
Pompton Lakes NJ 07442							PO Number: LBIO-66380																					
Sampler(s): <i>George Nemeth / Jen Ferraro</i>																												
Project Name: DELTA UPLANDS 12/14/09																												
Sample Identification			Date Collected	Time Collected	Matrix	Volume (ml)	Preserv	No.	Moisture	Cu (6010)						Pb (6010)	Se (6010)	Hg (7471)										Condition upon receipt:
POM-S-536-	<i>3402 (6.0-6.5)</i>		<i>1/5/10</i>	<i>1025</i>	SW	125	None	1	X									X										
POM-S-536-	<i>3502 (7.0-7.5)</i>		<i>1/5/10</i>	<i>1135</i>	SW	125	None	1	X									X										
POM-S-536-	<i>2002 (6.0-6.5)</i>		<i>1/5/10</i>	<i>1210</i>	SW	125	None	1	X									X										
POM-S-536-	<i>316 (4.0-4.5)</i>		<i>1/5/10</i>	<i>1410</i>	SW	125	None	1	X							X		X										
POM-S-536-	<i>316 (5.0-5.5)</i>		<i>1/5/10</i>	<i>1413</i>	SW	125	None	1	X									X										
POM-S-536-	<i>376 (4.0-4.5)</i>		<i>1/5/10</i>	<i>1520</i>	SW	125	None	1	X							X		X										
POM-S-536-	<i>344 (1.0-1.5)</i>		<i>1/6/10</i>	<i>1024</i>	SW	125	None	1	X				X															
POM-S-536-	<i>338 (1.0-1.5)</i>		<i>1/6/10</i>	<i>1130</i>	SW	125	None	1	X				X															
POM-S-536-	<i>338 (2.0-2.5)</i>		<i>1/6/10</i>	<i>1133</i>	SW	125	None	1	X				X															
POM-S-536-					SW	125	None	1	X																			
Turnaround Time Requested (please circle): Normal Rush							Number of days: _____				Special Instructions:																	
Bottles Relinquished by:			Date	Time	Bottles Received by:				Date:	Time:																		
George Nemeth			<i>1/6/10</i>	<i>1600</i>																								
Bottles Relinquished by:			Date	Time	Bottles Received by:				Date:	Time:																		
Bottles Relinquished by:			Date	Time	Bottles Received by:				Date:	Time:																		
Bottles Relinquished by:			Date	Time	Bottles Received by:				Date:	Time:																		

Lancaster Laboratories, Inc. 2425 New Holland Pike Lancaster, PA 17601 (717) 656-2300

Copies: White copy should accompany samples to Lancaster Laboratories. The yellow copy should be retained by the samplers.



Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only

Group No.: 1177636 Sample Nos.: 5877937-47
Acc't: 07032 SCR No.: 85333 Cooler No.: C17603 **15145**
Cooler Temperature upon receipt: 1-0 °C Container No.: 2

Facility Name: Pompton Lakes		Project Manager: Marj Vetter				Analyses Required								Comments:											
Facility Contact: George Nemeth		Facility Contact Phone No.: 973-492-7735																							
Facility Address: Pompton Lakes Works		Job No.: 9267-7720100C-WH06507906																							
2000 Cannonball Road		Release No.: LA28530																							
Pompton Lakes NJ 07442		PO Number: LBIO-66380																							
Sampler(s): <u>George Nemeth / Jen Ferraris</u>																									
Project Name: DELTA UPLANDS 12/14/09														Condition upon receipt: <u>intact</u>											
Sample Identification		Date Collected	Time Collected	Matrix	Containers			Cu (6010)	Pb (6010)	Se (6010)	Hg (7470)														
POM-K-EQBLK/16		<u>1/5/10</u>	<u>1535</u>	<u>WW</u>	Volume (ml)	Preserv	No.		<u>X</u>		<u>X</u>														
Turnaround Time Requested (please circle): <u>Normal</u> Rush Number of days: _____						Special Instructions:																			
Bottles Relinquished by: _____		Date: <u>1/6/10</u>	Time: <u>1600</u>	Bottles Received by: _____		Date:	Time:																		
Bottles Relinquished by: _____		Date:	Time:	Bottles Received by: _____		Date:	Time:																		
Bottles Relinquished by: _____		Date:	Time:	Bottles Received by: _____		Date:	Time:																		
Bottles Relinquished by: _____		Date:	Time:	Bottles Received by: _____		Date: <u>1/7/10</u>	Time: <u>0900</u>																		



Analysis Request / Environmental Services Chain of Custody

1 of 1

For Lancaster Laboratories Use Only

Group No.: 1177636 Sample Nos.: 5877937-47
 Acct: 07032 SCR No.: 85333 Cooler No.: 017603
 Cooler Temperature upon receipt: 1-0 °C Container No.: 2

15146

Facility Name: Pompton Lakes				Project Manager: Marj Vetter			Analyses Required											Comments: Condition upon receipt: <i>Initial</i>													
Facility Contact: George Nemeth				Facility Contact Phone No.: 973-492-7735																											
Facility Address: Pompton Lakes Works				Job No.: 9267-7720100C-WH06507906																											
2000 Cannonball Road				Release No.: LA28530																											
Pompton Lakes NJ 07442				PO Number: LBIO-66380																											
Sampler(s): <i>George Nemeth / Jennifer Ferraro</i>				Project Name: DELTA UPLANDS 12/14/09																											
Sample Identification			Date Collected	Time Collected	Matrix	Containers			Cu (6010)	Pb (6010)	Se (6010)	Hg (7470)																			
						Volume (ml)	Preserv	No.																							
POM-K-EQBLK/17			1/6/10	1510	WW	500	HNO3	1				X																			
Turnaround Time Requested (please circle): <u>Normal</u> Rush Number of days: _____							Special Instructions:																								
Bottles Relinquished by:			Date: 1/6/10	Time: 1600		Bottles Received by:							Date:	Time:																	
Bottles Relinquished by:			Date:	Time:		Bottles Received by:							Date:	Time:																	
Bottles Relinquished by:			Date:	Time:		Bottles Received by:							Date:	Time:																	
Bottles Relinquished by:			Date:	Time:		Bottles Received by:							Date: 1/7/10	Time: 0900																	

Environmental Sample Administration Receipt Documentation Log

Client/Project: DuPont - Pompton Lakes
 Date of Receipt: 11/7/10
 Time of Receipt: 0940
 Source Code: 50-1
 Unpacker Emp. No.: 1454

Shipping Container Sealed: YES NO

Custody Seal Present * : YES NO

* Custody seal was intact unless otherwise noted in the discrepancy section

Package: Chilled Not Chilled

Temperature of Shipping Containers

Cooler #	Thermometer ID	Temperature (°C)	Temp Bottle (TB) or Surface Temp (ST)	Wet Ice (WI) or Dry Ice (DI) or Ice Packs (IP)	Ice Present? Y/N	Loose (L) Bagged Ice (B) or NA	Comments
1	04209451	0.7°C	TB	WI	Y	B, L	
2	↓	1.0°C	↓	↓	↓	↓	
3							
4							
5							
6							

Number of Trip Blanks received NOT listed on chain of custody: 0

Paperwork Discrepancy/Unpacking Problems:

Sample Administration Internal Chain of Custody

Name	Date	Time	Reason for Transfer
<i>John D. [Signature]</i>	11/7/10	1035	Unpacking to storage
<i>Kristin [Signature]</i>	1-7-10	1102	Place in Storage or <input checked="" type="checkbox"/> Entry
			Entry
			Entry

Lancaster Laboratories Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

N.D.	none detected	BMQL	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	MPN	Most Probable Number
IU	International Units	CP Units	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	NTU	nephelometric turbidity units
C	degrees Celsius	F	degrees Fahrenheit
Cal	(diet) calories	lb.	pound(s)
meq	milliequivalents	kg	kilogram(s)
g	gram(s)	mg	milligram(s)
ug	microgram(s)	l	liter(s)
ml	milliliter(s)	ul	microliter(s)
m3	cubic meter(s)	fib >5 um/ml	fibers greater than 5 microns in length per ml
<	less than – The number following the sign is the <u>limit of quantitation</u> , the smallest amount of analyte which can be reliably determined using this specific test.		
>	greater than		
ppm	parts per million – One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.		
ppb	parts per billion		
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture.		

U.S. EPA data qualifiers:

Organic Qualifiers

A	TIC is a possible aldol-condensation product
B	Analyte was also detected in the blank
C	Pesticide result confirmed by GC/MS
D	Compound quantitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
J	Estimated value
N	Presumptive evidence of a compound (TICs only)
P	Concentration difference between primary and confirmation columns >25%
U	Compound was not detected
X,Y,Z	Defined in case narrative

Inorganic Qualifiers

B	Value is <CRDL, but ≥IDL
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike amount not within control limits
S	Method of standard additions (MSA) used for calculation
U	Compound was not detected
W	Post digestion spike out of control limits
*	Duplicate analysis not within control limits
+	Correlation coefficient for MSA <0.995

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

WARRANTY AND LIMITS OF LIABILITY – In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL LANCASTER LABORATORIES BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF LANCASTER LABORATORIES AND (B) WHETHER LANCASTER LABORATORIES HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Lancaster Laboratories which includes any conditions that vary from the Standard Terms and Conditions of Lancaster Laboratories and we hereby object to any conflicting terms contained in any acceptance or order submitted by client.

ANALYTICAL RESULTS

Prepared for:

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

January 14, 2010

Project: POM - DELTA UPLANDS

Samples arrived at the laboratory on Friday, January 08, 2010. The PO# for this group is LBIO-66380 and the release number is LA28530. The group number for this submittal is 1177940.

<u>Client Sample Description</u>	<u>Lancaster Labs (LLI) #</u>
POM-S-536-343(1.0-1.5) Unspiked Soil Sample	5879765
POM-S-536-343(1.0-1.5)-MS Matrix Spike Soil Sample	5879766
POM-S-536-343(1.0-1.5)-MSD Matrix Spike Dup Soil	5879767
POM-S-536-343(1.0-1.5) Duplicate Soil Sample	5879768
POM-S-536-343(1.0-1.5)-DUP Soil Sample	5879769
POM-S-536-343(2.0-2.5) Soil Sample	5879770
POM-S-536-290D2(4.0-4.5) Soil Sample	5879771
POM-S-536-336(0.0-0.5) Soil Sample	5879772
POM-S-536-336(3.0-3.5) Soil Sample	5879773
POM-K-536-EQBLK18 Blank Water Sample	5879774

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

ELECTRONIC COPY TO	URS Corporation	Attn: George Nemeth
ELECTRONIC COPY TO	LLI	Attn: EDD Group
1 COPY TO	Data Package Group	

Questions? Contact your Client Services Representative
Nancy J Bornholm at (717) 656-2300

Respectfully Submitted,



Max E. Snavelly
Senior Specialist



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-343(1.0-1.5) Unspiked Soil Sample
DELTA UPLANDS 1/4/10

LLI Sample # SW 5879765
LLI Group # 1177940
NJ

Project Name: POM - DELTA UPLANDS

Collected: 01/07/2010 14:35 by DY

Account Number: 07032

Submitted: 01/08/2010 18:00
Reported: 01/14/2010 at 13:19
Discard: 02/14/2010

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

343-1 SDG#: DLN34-12BKG

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals			SW-846 7471A	mg/kg	mg/kg	
00159	Mercury	7439-97-6	7.59	0.150	1.31	10
Wet Chemistry			SM20 2540 G	%	%	
00111	Moisture	n.a.	26.0	0.50	0.50	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.						

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	100115711002	01/12/2010 20:25	Nelli S Markaryan	10
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	100115711002	01/11/2010 22:45	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	10012820002B	01/12/2010 13:06	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-343(1.0-1.5)-MS Matrix Spike Soil Sample
DELTA UPLANDS 1/4/10

LLI Sample # SW 5879766
LLI Group # 1177940
NJ

Project Name: POM - DELTA UPLANDS

Collected: 01/07/2010 14:35 by DY

Account Number: 07032

Submitted: 01/08/2010 18:00
Reported: 01/14/2010 at 13:19
Discard: 02/14/2010

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

343-1 SDG#: DLN34-12MS

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 7471A	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	4.21	0.152	1.32	10
Wet Chemistry						
		SM20 2540 G	%	%	%	
00118	Moisture	n.a.	26.0	0.50	0.50	1

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	100115711002	01/12/2010 20:28	Nelli S Markaryan	10
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	100115711002	01/11/2010 22:45	Annamaria Stipkovits	1
00118	Moisture	SM20 2540 G	1	10012820002B	01/12/2010 13:06	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-343(1.0-1.5)-MSD Matrix Spike Dup Soil
Sample
DELTA UPLANDS 1/4/10

LLI Sample # SW 5879767
LLI Group # 1177940
NJ

Project Name: POM - DELTA UPLANDS

Collected: 01/07/2010 14:35 by DY

Account Number: 07032

Submitted: 01/08/2010 18:00
Reported: 01/14/2010 at 13:19
Discard: 02/14/2010

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

343-1 SDG#: DLN34-12MSD

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 7471A	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	11.9	0.303	2.64	20
Wet Chemistry						
		SM20 2540 G	%	%	%	
00118	Moisture	n.a.	26.0	0.50	0.50	1

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	100115711002	01/12/2010 20:32	Nelli S Markaryan	20
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	100115711002	01/11/2010 22:45	Annamaria Stipkovits	1
00118	Moisture	SM20 2540 G	1	10012820002B	01/12/2010 13:06	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-343(1.0-1.5) Duplicate Soil Sample
DELTA UPLANDS 1/4/10

LLI Sample # SW 5879768
LLI Group # 1177940
NJ

Project Name: POM - DELTA UPLANDS

Collected: 01/07/2010 14:35 by DY

Account Number: 07032

Submitted: 01/08/2010 18:00
Reported: 01/14/2010 at 13:19
Discard: 02/14/2010

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

343-1 SDG#: DLN34-12DUP

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals			SW-846 7471A	mg/kg	mg/kg	
00159	Mercury	7439-97-6	8.03	0.150	1.30	10
Wet Chemistry			SM20 2540 G	%	%	
00118	Moisture	n.a.	26.0	0.50	0.50	1
00121	Moisture Duplicate	n.a.	24.8	0.50	0.50	1
The duplicate moisture value is provided to assess the precision of the moisture test. For comparability purposes, the initial moisture determination is the value used to perform dry weight calculations.						

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	100115711002	01/12/2010 20:26	Nelli S Markaryan	10
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	100115711002	01/11/2010 22:45	Annamaria Stipkovits	1
00118	Moisture	SM20 2540 G	1	10012820002B	01/12/2010 13:06	Scott W Freisher	1
00121	Moisture Duplicate	SM20 2540 G	1	10012820002B	01/12/2010 13:06	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-343(1.0-1.5)-DUP Soil Sample
DELTA UPLANDS 1/4/10

LLI Sample # SW 5879769
LLI Group # 1177940
NJ

Project Name: POM - DELTA UPLANDS

Collected: 01/07/2010 14:35 by DY

Account Number: 07032

Submitted: 01/08/2010 18:00
Reported: 01/14/2010 at 13:19
Discard: 02/14/2010

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

3431D SDG#: DLN34-13FD

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 7471A	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	5.23	0.140	1.22	10
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	20.6	0.50	0.50	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.						

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	100115711002	01/12/2010 20:38	Nelli S Markaryan	10
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	100115711002	01/11/2010 22:45	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	10012820002B	01/12/2010 13:06	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-343(2.0-2.5) Soil Sample
DELTA UPLANDS 1/4/10

LLI Sample # SW 5879770
LLI Group # 1177940
NJ

Project Name: POM - DELTA UPLANDS

Collected: 01/07/2010 14:40 by DY

Account Number: 07032

Submitted: 01/08/2010 18:00
Reported: 01/14/2010 at 13:19
Discard: 02/14/2010

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

343-2 SDG#: DLN34-14

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 7471A	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.405	0.0139	0.121	1
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	19.2	0.50	0.50	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.						

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	100115711002	01/12/2010 20:10	Nelli S Markaryan	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	100115711002	01/11/2010 22:45	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	10012820002B	01/12/2010 13:06	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-290D2(4.0-4.5) Soil Sample
DELTA UPLANDS 1/4/10

LLI Sample # SW 5879771
LLI Group # 1177940
NJ

Project Name: POM - DELTA UPLANDS

Collected: 01/07/2010 15:13 by DY

Account Number: 07032

Submitted: 01/08/2010 18:00
Reported: 01/14/2010 at 13:19
Discard: 02/14/2010

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

290-4 SDG#: DLN34-15

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 7471A	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	N.D.	0.0165	0.143	1
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	32.5	0.50	0.50	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.						

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	100115711002	01/12/2010 20:11	Nelli S Markaryan	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	100115711002	01/11/2010 22:45	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	10012820002B	01/12/2010 13:06	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: POM-S-536-336(0.0-0.5) Soil Sample
DELTA UPLANDS 1/4/10

LLI Sample # SW 5879772
LLI Group # 1177940
NJ

Project Name: POM - DELTA UPLANDS

Collected: 01/07/2010 15:46 by DY

Account Number: 07032

Submitted: 01/08/2010 18:00

CRG-E.I.DuPont de Nemours & Co

Reported: 01/14/2010 at 13:19

URS Corporation

Discard: 02/14/2010

Iron Hill Corporate Center

4051 Ogletown Road, Suite 300

Newark DE 19713

336-0 SDG#: DLN34-16

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010B	mg/kg	mg/kg	mg/kg	
06955	Lead	7439-92-1	1,050	2.76	6.90	1
	The matrix spike and matrix spike duplicate were out of specification for lead. The recovery of the post digestion spike performed on the background sample was 102%.					
		SW-846 7471A	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	103	2.58	22.4	50
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	79.1	0.50	0.50	1
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.					

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	100115708002	01/12/2010 08:29	Joanne M Gates	1
00159	Mercury	SW-846 7471A	1	100115711002	01/12/2010 20:40	Nelli S Markaryan	50
05708	SW SW846 ICP Digest	SW-846 3050B	1	100115708002	01/11/2010 20:40	Annamaria Stipkovits	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	100115711002	01/11/2010 22:45	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	10012820002B	01/12/2010 13:06	Scott W Freisher	1



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-336(3.0-3.5) Soil Sample
DELTA UPLANDS 1/4/10

LLI Sample # SW 5879773
LLI Group # 1177940
NJ

Project Name: POM - DELTA UPLANDS

Collected: 01/07/2010 15:54 by DY

Account Number: 07032

Submitted: 01/08/2010 18:00
Reported: 01/14/2010 at 13:19
Discard: 02/14/2010

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

336-3 SDG#: DLN34-17

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 7471A	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	14.0	0.242	2.10	10
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	53.8	0.50	0.50	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.						

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	100115711002	01/12/2010 20:42	Nelli S Markaryan	10
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	100115711002	01/11/2010 22:45	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	10012820002B	01/12/2010 13:06	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-K-536-EQBLK18 Blank Water Sample
DELTA UPLANDS 1/4/10

LLI Sample # WW 5879774
LLI Group # 1177940
NJ

Project Name: POM - DELTA UPLANDS

Collected: 01/07/2010 16:00 by DY

Account Number: 07032

Submitted: 01/08/2010 18:00
Reported: 01/14/2010 at 13:19
Discard: 02/14/2010

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

EB-18 SDG#: DLN34-18EB*

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals						
07055	Lead	SW-846 6010B 7439-92-1	mg/l N.D.	mg/l 0.0069	mg/l 0.0150	1
00259	Mercury	SW-846 7470A 7439-97-6	mg/l N.D.	mg/l 0.000056	mg/l 0.00020	1

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	100125705002	01/13/2010 12:57	Joanne M Gates	1
00259	Mercury	SW-846 7470A	1	100125713001	01/13/2010 08:24	Damary Valentin	1
05705	WW/TL SW 846 ICP Digest (tot)	SW-846 3010A	1	100125705002	01/12/2010 20:30	Annamaria Stipkovits	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	100125713001	01/12/2010 18:00	Nelli S Markaryan	1

*=This limit was used in the evaluation of the final result

Quality Control Summary

 Client Name: CRG-E.I.DuPont de Nemours & Co
 Reported: 01/14/10 at 01:19 PM

Group Number: 1177940

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: 100115708002 Lead	Sample number(s): 5879772 N.D.	0.600	1.50	mg/kg	96		85-114		
Batch number: 100115711002 Mercury	Sample number(s): 5879765-5879773 N.D.	0.0110	0.0957	mg/kg	96		66-135		
Batch number: 100125705002 Lead	Sample number(s): 5879774 N.D.	0.0069	0.0150	mg/l	98		80-120		
Batch number: 100125713001 Mercury	Sample number(s): 5879774 N.D.	0.00005 6	0.00020	mg/l	100		80-120		
Batch number: 10012820002B Moisture Moisture Moisture Duplicate	Sample number(s): 5879765-5879773				100 100 100		99-101 99-101 99-101		

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
 Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>RPD MAX</u>	<u>BKG Conc</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>
Batch number: 100115708002 Lead	Sample number(s): 5879772 -267 (2)	-116 (2)	75-125	12	20	219	152	36*	20
Batch number: 100115711002 Mercury	Sample number(s): 5879765-5879773 -1536 (2)	1954 (2)	80-120	95*	20	5.61	5.94	6	20
Batch number: 100125705002 Lead	Sample number(s): 5879774 101	100	75-125	1	20	N.D.	N.D.	0 (1)	20
Batch number: 100125713001 Mercury	Sample number(s): 5879774 103	114	80-120	10	20	N.D.	N.D.	0 (1)	20
Batch number: 10012820002B Moisture Moisture Moisture Duplicate	Sample number(s): 5879765-5879773					BKG: 5879765 26.0 26.0 26.0	24.8 24.8 24.8	5 5 5	15 15 15

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
 (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 01/14/10 at 01:19 PM

Group Number: 1177940

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup RPD</u> <u>Max</u>
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*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.



Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only
 Group No.: 11779410 Sample Nos.: 5879765-74
 Acct: 07032 SCR No.: 85333 Cooler No.: C17297
 Cooler Temperature upon receipt: 2°C Container No.:
 15143

Facility Name: Pompton Lakes	Project Manager: Marj Vetter	Facility Contact: George Nemeth	Facility Contact Phone No.: 973-492-7735	Analyses Required		Comments:
Facility Address: Pompton Lakes Works	Job No.: 9267-7720100C-WH06507906	Release No.: LA28530	PO Number: LBIO-66380			
2000 Cannonball Road	Pompton Lakes NJ 07442	Sampler(s): <i>Don Yarbrough / Tom for Ferraris</i>				
Project Name: DELTA UPLANDS 12/14/09						
Sample Identification	Date Collected	Time Collected	Matrix	Containers		Moisture (SM20 2540 G)
				Volume (ml)	Preserv	
POM-S-536-343 (1.0-1.5)	1/7/10	1435	SW	125	None	X
POM-S-536-343 (2.0-2.5)	1/7/10	1440	SW	125	None	X
POM-S-536-290 DA (4.0-4.5)	1/7/10	1513	SW	125	None	X
POM-S-536-336 (0.0-0.5)	1/7/10	1546	SW	125	None	X
POM-S-536-386 (3.0-3.5)	1/7/10	1554	SW	125	None	X
POM-S-536-			SW	125	None	X
POM-S-536-			SW	125	None	X
POM-S-536-			SW	125	None	X
POM-S-536-			SW	125	None	X
Turnaround Time Requested (please circle): <u>Normal</u> Rush Number of days: _____						
Bottles Relinquished by:	Date: 1/8/10	Time: 12:00	Bottles Received by:	Date: 1/8/10	Time: 15:00	
Bottles Relinquished by:	Date: 1/8/10	Time: 18:00	Bottles Received by:	Date: 1/8/10	Time: 18:00	
Bottles Relinquished by:	Date:	Time:	Bottles Received by:	Date:	Time:	

Lancaster Laboratories, Inc. 2425 New Holland Pike Lancaster, PA 17601 (717) 656-2300
 Copies: White copy should accompany samples to Lancaster Laboratories. The yellow copy should be retained by the samplers.



Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only
 Group No.: 1177940 Sample Nos.: 5879765-74
 Acct: 07032 SCR No.: 85333 Cooler No.: C17603 15144
 Cooler Temperature upon receipt: 12 °C Container No.: 7

Facility Name: Pompton Lakes		Project Manager: Marj Vetter		Analyses Required		Comments:	
Facility Contact: George Nemeth		Facility Contact Phone No.: 973-492-7735					
Facility Address: Pompton Lakes Works		Job No.: 9267-7720100C-WH106507906					
2000 Cannonball Road		Release No.: LA28530					
Pompton Lakes NJ 07442		PO Number: LBIO-66380					
Sampler(s): Dan Young blood / Jennifer Ferrera							
Project Name: DELTA UPLANDS 12/14/09							
Sample Identification	Date Collected	Time Collected	Matrix	Containers		Moisture (SM20 2540 G)	Condition upon receipt:
				Volume (ml)	Preserv		
POM-S-536-343(1.0-1.5)	1/7/10	1435	SW	125	None	X	IMPACT
POM-S-536-343(1.0-1.5)	1/7/10	1435	SW	125	None	X	
POM-S-536-343(1.0-1.5)	1/7/10	1435	SW	125	None	X	
POM-S-536-343(1.0-1.5)	1/7/10	1435	SW	125	None	X	
Turnaround Time Requested (please circle): <u>Normal</u> Rush Number of days: _____							
Bottles Relinquished by: _____		Date: 1/8/10	Time: 1:30	Bottles Received by: _____		Date: 1/8/10	Time: 15:00
Bottles Relinquished by: _____		Date: 1/8/10	Time: 15:00	Bottles Received by: _____		Date: 1/8/10	Time: 18:00
Bottles Relinquished by: _____		Date: _____	Time: _____	Bottles Received by: _____		Date: _____	Time: _____
Special Instructions:							

Lancaster Laboratories, Inc. 2425 New Holland Pike Lancaster, PA 17601 (717) 856-2300
 Copies: White copy should accompany samples to Lancaster Laboratories. The yellow copy should be retained by the samplers.



Analysis Request / Environmental Services Chain of Custody

Facility Name: Pompton Lakes Project Manager: Marj Vetter

Facility Contact: George Nemeth Facility Contact Phone No.: 973-492-7735

Facility Address: Pompton Lakes Works Job No.: 9267-7720100C-WH06507906

2000 Cannonball Road Release No.: LA28530

Pompton Lakes NJ 07442 PO Number: LBIO-66380

Sampler(s): Dr. Yves Hood / Teacher Ferrera

Project Name: DELTA UPPLANDS 12/14/09

For Lancaster Laboratories Use Only
Group No.: 1177946 Sample Nos.: 5879765-74
Acct: 07032 SCR No.: 85333 Cooler No.: 017603 15147
Cooler Temperature upon receipt: 2 °C Container No.:

Analyses Required

Sample Identification	Date Collected	Time Collected	Matrix	Volume (ml)	HNO3	Containers				Special Instructions	Comments	
						Preserv	No.	Cu (6010)	Pb (6010)			
POM-K-EQBLK/18	1/2/10	1600	WW	500	HNO3		1					
POM-K-EQBLK/19	1/9/10	0905										

Turnaround Time Requested (please circle): Normal Rush Number of days: _____

Bottles Relinquished by: [Signature] Date: 11/8/10 Time: 1200

Bottles Relinquished by: [Signature] Date: 1/8/10 Time: 18:00

Bottles Relinquished by: [Signature] Date: _____ Time: _____

Bottles Relinquished by: _____ Date: _____ Time: _____

Bottles Received by: [Signature] Date: 1/8/10 Time: 15:00

Bottles Received by: [Signature] Date: _____ Time: _____

Bottles Received by: _____ Date: _____ Time: _____

Lancaster Laboratories, Inc. 2425 New Holland Pike Lancaster, PA 17601 (717) 656-2300
Copies: White copy should accompany samples to Lancaster Laboratories. The yellow copy should be retained by the samplers.

**Environmental Sample Administration
Receipt Documentation Log**

Client/Project: Dufont
 Date of Receipt: 1/8/10
 Time of Receipt: 18:00
 Source Code: 01
 Unpacker Emp. No.: 2114

Shipping Container Sealed: YES NO

Custody Seal Present * : YES NO

* Custody seal was intact unless otherwise noted in the discrepancy section

Package: Chilled Not Chilled

Temperature of Shipping Containers							
Cooler #	Thermometer ID	Temperature (°C)	Temp Bottle (TB) or Surface Temp (ST)	Wet Ice (WI) or Dry Ice (DI) or Ice Packs (IP)	Ice Present? Y/N	Loose (L) Bagged Ice (B) or NA	Comments
1	0429805	1.2	TB	WI	y	B	
2							
3							
4							
5							
6							

Number of Trip Blanks received NOT listed on chain of custody. 0

Paperwork Discrepancy/Unpacking Problems:

-Also rec'd 1 bottle EQBLK 1 - crossed out & says void - discarded
once 1/8/10

Sample Administration Internal Chain of Custody			
Name	Date	Time	Reason for Transfer
Katie Hawthorn	1/8/10	18:25	Unpacking to storage
Tracy Bedard	1/8/10	18:58	Place in Storage or Entry
			Entry
			Entry

Lancaster Laboratories Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

N.D.	none detected	BMQL	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	MPN	Most Probable Number
IU	International Units	CP Units	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	NTU	nephelometric turbidity units
C	degrees Celsius	F	degrees Fahrenheit
Cal	(diet) calories	lb.	pound(s)
meq	milliequivalents	kg	kilogram(s)
g	gram(s)	mg	milligram(s)
ug	microgram(s)	l	liter(s)
ml	milliliter(s)	ul	microliter(s)
m3	cubic meter(s)	fib >5 um/ml	fibers greater than 5 microns in length per ml
<	less than – The number following the sign is the <u>limit of quantitation</u> , the smallest amount of analyte which can be reliably determined using this specific test.		
>	greater than		
ppm	parts per million – One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.		
ppb	parts per billion		
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture.		

U.S. EPA data qualifiers:

Organic Qualifiers

A	TIC is a possible aldol-condensation product
B	Analyte was also detected in the blank
C	Pesticide result confirmed by GC/MS
D	Compound quantitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
J	Estimated value
N	Presumptive evidence of a compound (TICs only)
P	Concentration difference between primary and confirmation columns >25%
U	Compound was not detected
X,Y,Z	Defined in case narrative

Inorganic Qualifiers

B	Value is <CRDL, but ≥IDL
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike amount not within control limits
S	Method of standard additions (MSA) used for calculation
U	Compound was not detected
W	Post digestion spike out of control limits
*	Duplicate analysis not within control limits
+	Correlation coefficient for MSA <0.995

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

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**DUPONT POMPTON LAKES WORKS
ABD SHORELINE SAMPLING 2010**

POMPTON LAKES, NJ

June 15, 2010

Prepared for

Marjorie Vetter, Parsons

Prepared by

DuPont CRG
Laboratory Services – Candia A. Carle
URS Corporation
Newark, Delaware

Memorandum

DATE: June 15, 2010

TO: Marjorie Vetter

FROM: Candia A. Carle

**RE: ABD SHORELINE SAMPLING 2010, POMPTON LAKES
WORKS, POMPTON LAKES, NJ**

Enclosed is the final data report for the ABD Shoreline Sampling 2010 samples collected at the Pompton Lakes Work site. Samples were collected on May 18, 20 and 27, 2010 for the analytical method reference summarized in the table below:

Analysis	Method Reference
Lead	SW 846 6020
Mercury	SW 846 7471A
Moisture	SM 2540 G

Sample Receipt

Samples were received at Lancaster Laboratories, Lancaster, PA, on May 19, 21 and 28, 2010. All samples were received in satisfactory condition and within the EPA temperature guidelines.

Data Review

The electronic data submitted for this sampling event was reviewed via the automated DuPont Data Review (DDR) process.

No major QC exceptions were noted during the review. Minor QC exceptions were noted. MS/MSD RPRs were below the lower control limit for mercury. The reported results of the associated samples may be biased low.

Positive results between the method detection limit (MDL) and quantitation limit, not otherwise qualified, were qualified J and should be considered to be estimated values.

Please refer to the DDR Narrative Report for specific data qualification.

The Lancaster Laboratories data reports are included in this report as an attachment. Please do not hesitate to contact me if you have any questions regarding this report.

DuPont In-House Review (DDR)

The DDR is an automated internal review process used by the ADQM group to determine if the data is usable. The data is run through this automated program where a series of checks are performed on the data. The data is evaluated against hold time criteria, checked for blank contamination, assessed against matrix spike(MS)/matrix spike duplicate (MSD) recoveries, assessed against relative percent differences (RPDs) between these samples, assessed against laboratory control sample(LCS)/control sample duplicate (LCSD) recoveries, assessed against RPDs between these samples, assessed against RPDs between laboratory replicates, and assessed against surrogate spike recoveries. The DDR applies the following data qualifiers to analysis results, as warranted:

Qualifier	Definition
B	Not detected substantially above the level reported in the laboratory or field blanks.
R	Unusable result. Analyte may or may not be present in the sample.
J	Analyte present. Reported value may not be accurate or precise.
UJ	Not detected. Reporting limit may not be accurate or precise.

**Corporate Environmental Database
DDR Narrative Report**

Site: POM - POMPTON LAKES WORKS

6/14/2010 14:04:52

Project: ABD SHORELINE SAMPLING 2010

Page 1 of 1

Reporting Limit: MDL

DDR Standards LABSTATS

The reported result is greater than/equal to the MDL and less than the PQL; it should be considered an estimated value.

Sample ID	Date Sampled	Lab ID	Analyte	Result	Units	MDL	PQL	Qual	Analytical Methods	
									Analysis	Preprep- Prep-
POM-S-6702-80-1(0-0.5)	5/18/2010	5983763-HG FS	MERCURY	0.0699	MG/K	0.0122	0.106	J	7471A	7471A MOD.
POM-S-6702-82-1(0-0.5)	5/18/2010	5983765-HG FS	MERCURY	0.122	MG/K	0.0186	0.162	J	7471A	7471A MOD.
POM-S-6702-87-1(0-0.5)	5/18/2010	5983769-HG FS	MERCURY	0.325	MG/K	0.0562	0.490	J	7471A	7471A MOD.
POM-S-6706-4-1(0-0.5)	5/18/2010	5983775-HG FS	MERCURY	0.0377	MG/K	0.0132	0.115	J	7471A	7471A MOD.
POM-S-6706-6.01-1(0-0.5)	5/18/2010	5983770-HG FS	MERCURY	0.0279	MG/K	0.0146	0.127	J	7471A	7471A MOD.
POM-S-6706-6.01-1(0-0.5)-DUP	5/18/2010	5983778-HG FS	MERCURY	0.0304	MG/K	0.0140	0.122	J	7471A	7471A MOD.

Associated MS and/or MSD analysis had relative percent recovery (RPR) values less than the lower control limit but above 10%. The reported result may be biased low.

Sample ID	Date Sampled	Lab ID	Analyte	Result	Units	MDL	PQL	Qual	Analytical Methods	
									Analysis	Preprep- Prep-
POM-S-6700-11-1(0-0.5)	5/18/2010	5983698-HG FS	MERCURY	0.701	MG/K	0.0203	0.177	J	7471A	7471A MOD.
POM-S-6700-12.01-1(0-0.5)	5/18/2010	5983700-HG FS	MERCURY	0.215	MG/K	0.0180	0.156	J	7471A	7471A MOD.
POM-S-6700-12-1(0-0.5)	5/18/2010	5983699-HG FS	MERCURY	0.508	MG/K	0.0124	0.108	J	7471A	7471A MOD.
POM-S-6700-13-1(0-0.5)	5/18/2010	5983701-HG FS	MERCURY	1.23	MG/K	0.0244	0.212	J	7471A	7471A MOD.
POM-S-6700-14-1(0-0.5)	5/18/2010	5983702-HG FS	MERCURY	0.217	MG/K	0.0153	0.133	J	7471A	7471A MOD.
POM-S-6700-15.01-1(0-0.5)	5/18/2010	5983704-HG FS	MERCURY	0.390	MG/K	0.0140	0.122	J	7471A	7471A MOD.
POM-S-6700-15.01-1(0-0.5)-DUP	5/18/2010	5983708-HG FS	MERCURY	0.387	MG/K	0.0169	0.147	J	7471A	7471A MOD.
POM-S-6700-15-1(0-0.5)	5/18/2010	5983703-HG FS	MERCURY	0.0351	MG/K	0.0151	0.131	J	7471A	7471A MOD.
POM-S-6702-200-1(0-0.5)	5/18/2010	5983712-HG FS	MERCURY	1.75	MG/K	0.0248	0.216	J	7471A	7471A MOD.
POM-S-6702-201-1(0-0.5)	5/18/2010	5983711-HG FS	MERCURY	0.558	MG/K	0.0263	0.229	J	7471A	7471A MOD.
POM-S-6702-202-1(0-0.5)	5/18/2010	5983710-HG FS	MERCURY	0.0690	MG/K	0.0137	0.119	J	7471A	7471A MOD.
POM-S-6702-205-1(0-0.5)	5/18/2010	5983709-HG FS	MERCURY	0.271	MG/K	0.0147	0.128	J	7471A	7471A MOD.
POM-S-6702-73-1(0-0.5)	5/18/2010	5983713-HG FS	MERCURY	0.154	MG/K	0.0130	0.113	J	7471A	7471A MOD.
POM-S-6702-74-1(0-0.5)	5/18/2010	5983714-HG FS	MERCURY	0.306	MG/K	0.0136	0.118	J	7471A	7471A MOD.
POM-S-6702-76-1(0-0.5)	5/18/2010	5983715-HG FS	MERCURY	0.206	MG/K	0.0140	0.122	J	7471A	7471A MOD.
POM-S-6702-77-1(0-0.5)	5/18/2010	5983716-HG FS	MERCURY	0.191	MG/K	0.0138	0.120	J	7471A	7471A MOD.

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Reporting Limit: MDL

Analyte/Parameter	Result	Qualifiers		Unit	Detection Limit		Analytical Methods		
		LAB	DDR		MDL	PQL	Analysis	Preprep-	Prep-
Sampling Point: 6706-2-1				Sample no:	POM-S-6706-2-1(0-0.5)				
Date sampled: May 18, 2010				Sample type:	Soil				
LEAD	216			MG/KG	0.261	1.74	6020		3050B
MERCURY	0.544			MG/KG	0.0189	0.165	7471A		7471A MOD.
MOISTURE	43.0			%	0.50	0.50	SM 2540 G		
Sampling Point: 6706-3-1				Sample no:	POM-S-6706-3-1(0-0.5)				
Date sampled: May 18, 2010				Sample type:	Soil				
LEAD	193			MG/KG	0.0634	0.423	6020		3050B
MERCURY	0.403			MG/KG	0.0242	0.210	7471A		7471A MOD.
MOISTURE	53.6			%	0.50	0.50	SM 2540 G		
Sampling Point: 6706-4-1				Sample no:	POM-S-6706-4-1(0-0.5)				
Date sampled: May 18, 2010				Sample type:	Soil				
LEAD	26.2			MG/KG	0.0347	0.231	6020		3050B
MERCURY	0.0377	J	J	MG/KG	0.0132	0.115	7471A		7471A MOD.
MOISTURE	15.2			%	0.50	0.50	SM 2540 G		
Sampling Point: 6706-6-1				Sample no:	POM-S-6706-6-1(0-0.5)				
Date sampled: May 18, 2010				Sample type:	Soil				
LEAD	81.4			MG/KG	0.0526	0.350	6020		3050B
MERCURY	0.237			MG/KG	0.0200	0.175	7471A		7471A MOD.
MOISTURE	44.6			%	0.50	0.50	SM 2540 G		
Sampling Point: 6706-7-1				Sample no:	POM-S-6706-7-1(0-0.5)				
Date sampled: May 20, 2010				Sample type:	Soil				
LEAD	342			MG/KG	0.171	1.14	6020		3050B
MERCURY	1.25			MG/KG	0.0638	0.556	7471A		7471A MOD.
MOISTURE	82.5			%	0.50	0.50	SM 2540 G		
Sampling Point: ISLAND-1				Sample no:	POM-S-ISLAND-1(0-0.5)				
Date sampled: May 20, 2010				Sample type:	Soil				
LEAD	184			MG/KG	0.135	0.897	6020		3050B
MERCURY	1.97			MG/KG	0.0502	0.437	7471A		7471A MOD.
MOISTURE	77.7			%	0.50	0.50	SM 2540 G		
Sampling Point: 6700-11-1				Sample no:	POM-S-6700-11-1(0-0.5)				
Date sampled: May 18, 2010				Sample type:	Soil				
LEAD	26.4			MG/KG	0.0529	0.352	6020		3050B
MERCURY	0.701		J	MG/KG	0.0203	0.177	7471A		7471A MOD.
MOISTURE	43.8			%	0.50	0.50	SM 2540 G		
Sampling Point: 6700-12-1				Sample no:	POM-S-6700-12-1(0-0.5)				
Date sampled: May 18, 2010				Sample type:	Soil				
LEAD	171			MG/KG	0.0548	0.365	6020		3050B
MERCURY	0.508		J	MG/KG	0.0124	0.108	7471A		7471A MOD.
MOISTURE	46.3			%	0.50	0.50	SM 2540 G		

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Reporting Limit: MDL

Analyte/Parameter	Result	Qualifiers		Unit	Detection Limit		Analytical Methods		
		LAB	DDR		MDL	PQL	Analysis	Preprep-	Prep-
Sampling Point: 6700-13-1 Date sampled: May 18, 2010				Sampleno: POM-S-6700-13-1(0-0.5) Sample type: Soil					
LEAD	511			MG/KG	0.316	2.11	6020		3050B
MERCURY	1.23	J		MG/KG	0.0244	0.212	7471A		7471A MOD.
MOISTURE	53.9			%	0.50	0.50	SM 2540 G		
Sampling Point: 6700-14-1 Date sampled: May 18, 2010				Sampleno: POM-S-6700-14-1(0-0.5) Sample type: Soil					
LEAD	89.5			MG/KG	0.0403	0.269	6020		3050B
MERCURY	0.217	J		MG/KG	0.0153	0.133	7471A		7471A MOD.
MOISTURE	26.3			%	0.50	0.50	SM 2540 G		
Sampling Point: 6700-15-1 Date sampled: May 18, 2010				Sampleno: POM-S-6700-15-1(0-0.5) Sample type: Soil					
LEAD	24.0			MG/KG	0.0389	0.260	6020		3050B
MERCURY	0.0351	J	J	MG/KG	0.0151	0.131	7471A		7471A MOD.
MOISTURE	25.2			%	0.50	0.50	SM 2540 G		
Sampling Point: 6702-73-1 Date sampled: May 18, 2010				Sampleno: POM-S-6702-73-1(0-0.5) Sample type: Soil					
LEAD	91.4			MG/KG	0.0342	0.228	6020		3050B
MERCURY	0.154	J		MG/KG	0.0130	0.113	7471A		7471A MOD.
MOISTURE	14.8			%	0.50	0.50	SM 2540 G		
Sampling Point: 6702-74-1 Date sampled: May 18, 2010				Sampleno: POM-S-6702-74-1(0-0.5) Sample type: Soil					
LEAD	24.2			MG/KG	0.0177	0.118	6020		3050B
MERCURY	0.306	J		MG/KG	0.0136	0.118	7471A		7471A MOD.
MOISTURE	16.2			%	0.50	0.50	SM 2540 G		
Sampling Point: 6702-75-1 Date sampled: May 27, 2010				Sampleno: POM-S-6702-75-1(0.0-0.5) Sample type: Soil					
LEAD	67.2			MG/KG	0.0326	0.217	6020		3050B
MERCURY	0.230			MG/KG	0.0129	0.112	7471A		7471A MOD.
MOISTURE	11.4			%	0.50	0.50	SM 2540 G		
Sampling Point: 6702-76-1 Date sampled: May 18, 2010				Sampleno: POM-S-6702-76-1(0-0.5) Sample type: Soil					
LEAD	90.7			MG/KG	0.0375	0.250	6020		3050B
MERCURY	0.206	J		MG/KG	0.0140	0.122	7471A		7471A MOD.
MOISTURE	21.6			%	0.50	0.50	SM 2540 G		
Sampling Point: 6702-77-1 Date sampled: May 18, 2010				Sampleno: POM-S-6702-77-1(0-0.5) Sample type: Soil					
LEAD	121			MG/KG	0.0385	0.257	6020		3050B
MERCURY	0.191	J		MG/KG	0.0138	0.120	7471A		7471A MOD.
MOISTURE	22.1			%	0.50	0.50	SM 2540 G		

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Analyte/Parameter	Result	Qualifiers		Unit	Detection Limit		Analytical Methods		
		LAB	DDR		MDL	PQL	Analysis	Preprep-	Prep-
Sampling Point: 6702-78-1									
Date sampled: May 18, 2010									
		Sample no:	POM-S-6702-78-1(0-0.5)						
		Sample type:	Soil						
LEAD	71.9			MG/KG	0.0452	0.302	6020		3050B
MERCURY	0.455			MG/KG	0.0169	0.147	7471A		7471A MOD.
MOISTURE	33.7			%	0.50	0.50	SM 2540 G		
Sampling Point: 6702-79-1									
Date sampled: May 18, 2010									
		Sample no:	POM-S-6702-79-1(0-0.5)						
		Sample type:	Soil						
LEAD	656			MG/KG	0.384	2.56	6020		3050B
MERCURY	0.150			MG/KG	0.0146	0.127	7471A		7471A MOD.
MOISTURE	23.4			%	0.50	0.50	SM 2540 G		
Sampling Point: 6702-80-1									
Date sampled: May 18, 2010									
		Sample no:	POM-S-6702-80-1(0-0.5)						
		Sample type:	Soil						
LEAD	17.9			MG/KG	0.0328	0.219	6020		3050B
MERCURY	0.0699	J	J	MG/KG	0.0122	0.106	7471A		7471A MOD.
MOISTURE	11.2			%	0.50	0.50	SM 2540 G		
Sampling Point: 6702-81-1									
Date sampled: May 18, 2010									
		Sample no:	POM-S-6702-81-1(0-0.5)						
		Sample type:	Soil						
LEAD	90.6			MG/KG	0.114	0.763	6020		3050B
MERCURY	0.841			MG/KG	0.0429	0.374	7471A		7471A MOD.
MOISTURE	74.3			%	0.50	0.50	SM 2540 G		
Sampling Point: 6702-82-1									
Date sampled: May 18, 2010									
		Sample no:	POM-S-6702-82-1(0-0.5)						
		Sample type:	Soil						
LEAD	36.5			MG/KG	0.0495	0.330	6020		3050B
MERCURY	0.122	J	J	MG/KG	0.0186	0.162	7471A		7471A MOD.
MOISTURE	39.4			%	0.50	0.50	SM 2540 G		
Sampling Point: 6702-83-1									
Date sampled: May 18, 2010									
		Sample no:	POM-S-6702-83-1(0-0.5)						
		Sample type:	Soil						
LEAD	123			MG/KG	0.0516	0.344	6020		3050B
MERCURY	1.10			MG/KG	0.0192	0.167	7471A		7471A MOD.
MOISTURE	42.4			%	0.50	0.50	SM 2540 G		
Sampling Point: 6702-85-1									
Date sampled: May 18, 2010									
		Sample no:	POM-S-6702-85-1(0-0.5)						
		Sample type:	Soil						
LEAD	103			MG/KG	0.0619	0.413	6020		3050B
MERCURY	0.203			MG/KG	0.0228	0.199	7471A		7471A MOD.
MOISTURE	52.0			%	0.50	0.50	SM 2540 G		
Sampling Point: 6702-86-1									
Date sampled: May 18, 2010									
		Sample no:	POM-S-6702-86-1(0-0.5)						
		Sample type:	Soil						
LEAD	165			MG/KG	0.0569	0.380	6020		3050B
MERCURY	0.315			MG/KG	0.0211	0.184	7471A		7471A MOD.
MOISTURE	47.3			%	0.50	0.50	SM 2540 G		

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Analyte/Parameter	Result	Qualifiers		Unit	Detection Limit		Analytical Methods		
		LAB	DDR		MDL	PQL	Analysis	Preprep-	Prep-
Sampling Point: 6702-87-1		Sample no:		POM-S-6702-87-1(0-0.5)					
Date sampled: May 18, 2010		Sample type:		Soil					
LEAD	69.9			MG/KG	0.149	0.991	6020		3050B
MERCURY	0.325	J	J	MG/KG	0.0562	0.490	7471A		7471A MOD.
MOISTURE	80.6			%	0.50	0.50	SM 2540 G		
Sampling Point: 6702-200-1		Sample no:		POM-S-6702-200-1(0-0.5)					
Date sampled: May 18, 2010		Sample type:		Soil					
LEAD	153			MG/KG	0.0677	0.451	6020		3050B
MERCURY	1.75		J	MG/KG	0.0248	0.216	7471A		7471A MOD.
MOISTURE	56.1			%	0.50	0.50	SM 2540 G		
Sampling Point: 6702-201-1		Sample no:		POM-S-6702-201-1(0-0.5)					
Date sampled: May 18, 2010		Sample type:		Soil					
LEAD	51.3			MG/KG	0.0682	0.455	6020		3050B
MERCURY	0.558		J	MG/KG	0.0263	0.229	7471A		7471A MOD.
MOISTURE	56.9			%	0.50	0.50	SM 2540 G		
Sampling Point: 6702-202-1		Sample no:		POM-S-6702-202-1(0-0.5)					
Date sampled: May 18, 2010		Sample type:		Soil					
LEAD	22.4			MG/KG	0.0367	0.245	6020		3050B
MERCURY	0.0690	J	J	MG/KG	0.0137	0.119	7471A		7471A MOD.
MOISTURE	19.1			%	0.50	0.50	SM 2540 G		
Sampling Point: 6702-205-1		Sample no:		POM-S-6702-205-1(0-0.5)					
Date sampled: May 18, 2010		Sample type:		Soil					
LEAD	52.4			MG/KG	0.0395	0.264	6020		3050B
MERCURY	0.271		J	MG/KG	0.0147	0.128	7471A		7471A MOD.
MOISTURE	24.1			%	0.50	0.50	SM 2540 G		
Sampling Point: 6706-6.01-1		Sample no:		POM-S-6706-6.01-1(0-0.5)					
Date sampled: May 18, 2010		Sample type:		Soil					
LEAD	39.8			MG/KG	0.0384	0.256	6020		3050B
MERCURY	0.0279	J	J	MG/KG	0.0146	0.127	7471A		7471A MOD.
MOISTURE	21.9			%	0.50	0.50	SM 2540 G		
Sampling Point: 6706-6.01-1		Sample no:		POM-S-6706-6.01-1(0-0.5)-DUP					
Date sampled: May 18, 2010		Sample type:		Soil					
LEAD	53.2			MG/KG	0.0378	0.252	6020		3050B
MERCURY	0.0304	J	J	MG/KG	0.0140	0.122	7471A		7471A MOD.
MOISTURE	21.5			%	0.50	0.50	SM 2540 G		
Sampling Point: 6700-12.01-1		Sample no:		POM-S-6700-12.01-1(0-0.5)					
Date sampled: May 18, 2010		Sample type:		Soil					
LEAD	82.9			MG/KG	0.0477	0.318	6020		3050B
MERCURY	0.215		J	MG/KG	0.0180	0.156	7471A		7471A MOD.
MOISTURE	37.7			%	0.50	0.50	SM 2540 G		

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Analyte/Parameter	Result	Qualifiers		Unit	Detection Limit		Analytical Methods		
		LAB	DDR		MDL	PQL	Analysis	Preprep-	Prep-
Sampling Point: 6700-15.01-1				Sample no:	POM-S-6700-15.01-1(0-0.5)				
Date sampled: May 18, 2010				Sample type:	Soil				
LEAD	32.9			MG/KG	0.0381	0.254	6020		3050B
MERCURY	0.390	J		MG/KG	0.0140	0.122	7471A		7471A MOD.
MOISTURE	21.3			%	0.50	0.50	SM 2540 G		

Sampling Point: 6700-15.01-1				Sample no:	POM-S-6700-15.01-1(0-0.5)-DUP				
Date sampled: May 18, 2010				Sample type:	Soil				
LEAD	43.8			MG/KG	0.0433	0.288	6020		3050B
MERCURY	0.387	J		MG/KG	0.0169	0.147	7471A		7471A MOD.
MOISTURE	32.0			%	0.50	0.50	SM 2540 G		

**Corporate Environmental Database
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Reporting Limit: MDL

Location: 6700-11-1

Field Sample ID: POM-S-6700-11-1(0-0.5)

Date Sampled: 5/18/2010 15:15:00

Sample Type: Soil

Lab Sample ID: 5983698-HG FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MERCURY	0.701		J	MG/KG	1	0.177	0.0203	05/22/10	7471A		7471A MOD.
MOISTURE	43.8			%	1	0.50	0.50	05/20/10	SM 2540 G		
LEAD	26.4			MG/KG	2	0.352	0.0529	05/23/10	6020		3050B

Location: 6700-12-1

Field Sample ID: POM-S-6700-12-1(0-0.5)

Date Sampled: 5/18/2010 14:59:00

Sample Type: Soil

Lab Sample ID: 5983699-HG FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MERCURY	0.508		J	MG/KG	1	0.108	0.0124	05/22/10	7471A		7471A MOD.
MOISTURE	46.3			%	1	0.50	0.50	05/20/10	SM 2540 G		
LEAD	171			MG/KG	2	0.365	0.0548	05/23/10	6020		3050B

Location: 6700-12.01-1

Field Sample ID: POM-S-6700-12.01-1(0-0.5)

Date Sampled: 5/18/2010 15:00:00

Sample Type: Soil

Lab Sample ID: 5983700-HG FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MERCURY	0.215		J	MG/KG	1	0.156	0.0180	05/22/10	7471A		7471A MOD.
MOISTURE	37.7			%	1	0.50	0.50	05/20/10	SM 2540 G		
LEAD	82.9			MG/KG	2	0.318	0.0477	05/23/10	6020		3050B

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Reporting Limit: MDL

Location: 6700-13-1

Field Sample ID: POM-S-6700-13-1(0-0.5)

Date Sampled: 5/18/2010 14:50:00

Sample Type: Soil

Lab Sample ID: 5983701-HG FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MERCURY	1.23		J	MG/KG	1	0.212	0.0244	05/22/10	7471A		7471A MOD.
MOISTURE	53.9			%	1	0.50	0.50	05/20/10	SM 2540 G		
LEAD	511			MG/KG	10	2.11	0.316	05/23/10	6020		3050B

Location: 6700-14-1

Field Sample ID: POM-S-6700-14-1(0-0.5)

Date Sampled: 5/18/2010 14:30:00

Sample Type: Soil

Lab Sample ID: 5983702-HG FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MERCURY	0.217		J	MG/KG	1	0.133	0.0153	05/22/10	7471A		7471A MOD.
MOISTURE	26.3			%	1	0.50	0.50	05/20/10	SM 2540 G		
LEAD	89.5			MG/KG	2	0.269	0.0403	05/23/10	6020		3050B

Location: 6700-15-1

Field Sample ID: POM-S-6700-15-1(0-0.5)

Date Sampled: 5/18/2010 14:08:00

Sample Type: Soil

Lab Sample ID: 5983703-HG FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MERCURY	0.0351		J J	MG/KG	1	0.131	0.0151	05/22/10	7471A		7471A MOD.
MOISTURE	25.2			%	1	0.50	0.50	05/20/10	SM 2540 G		
LEAD	24.0			MG/KG	2	0.260	0.0389	05/23/10	6020		3050B

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Location: 6700-15.01-1

Field Sample ID: POM-S-6700-15.01-1(0-0.5)

Date Sampled: 5/18/2010 14:00:00

Sample Type: Soil

Lab Sample ID: 5983704-HG FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MERCURY	0.390		J	MG/KG	1	0.122	0.0140	05/22/10	7471A		7471A MOD.
MOISTURE	21.3			%	1	0.50	0.50	05/21/10	SM 2540 G		
LEAD	32.9			MG/KG	2	0.254	0.0381	05/23/10	6020		3050B

Location: 6700-15.01-1

Field Sample ID: POM-S-6700-15.01-1(0-0.5)-DUP

Date Sampled: 5/18/2010 14:00:00

Sample Type: Soil

Lab Sample ID: 5983708-HG FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MERCURY	0.387		J	MG/KG	1	0.147	0.0169	05/22/10	7471A		7471A MOD.
MOISTURE	32.0			%	1	0.50	0.50	05/20/10	SM 2540 G		
LEAD	43.8			MG/KG	2	0.288	0.0433	05/23/10	6020		3050B

Location: 6702-205-1

Field Sample ID: POM-S-6702-205-1(0-0.5)

Date Sampled: 5/18/2010 13:50:00

Sample Type: Soil

Lab Sample ID: 5983709-HG FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MERCURY	0.271		J	MG/KG	1	0.128	0.0147	05/22/10	7471A		7471A MOD.
MOISTURE	24.1			%	1	0.50	0.50	05/20/10	SM 2540 G		
LEAD	52.4			MG/KG	2	0.264	0.0395	05/23/10	6020		3050B

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Location: 6702-202-1

Field Sample ID: POM-S-6702-202-1(0-0.5)

Date Sampled: 5/18/2010 10:40:00

Sample Type: Soil

Lab Sample ID: 5983710-HG FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MERCURY	0.0690	J	J	MG/KG	1	0.119	0.0137	05/22/10	7471A		7471A MOD.
MOISTURE	19.1			%	1	0.50	0.50	05/20/10	SM 2540 G		
LEAD	22.4			MG/KG	2	0.245	0.0367	05/23/10	6020		3050B

Location: 6702-201-1

Field Sample ID: POM-S-6702-201-1(0-0.5)

Date Sampled: 5/18/2010 10:23:00

Sample Type: Soil

Lab Sample ID: 5983711-HG FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MERCURY	0.558		J	MG/KG	1	0.229	0.0263	05/22/10	7471A		7471A MOD.
MOISTURE	56.9			%	1	0.50	0.50	05/20/10	SM 2540 G		
LEAD	51.3			MG/KG	2	0.455	0.0682	05/23/10	6020		3050B

Location: 6702-200-1

Field Sample ID: POM-S-6702-200-1(0-0.5)

Date Sampled: 5/18/2010 10:31:00

Sample Type: Soil

Lab Sample ID: 5983712-HG FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MERCURY	1.75		J	MG/KG	1	0.216	0.0248	05/22/10	7471A		7471A MOD.
MOISTURE	56.1			%	1	0.50	0.50	05/20/10	SM 2540 G		
LEAD	153			MG/KG	2	0.451	0.0677	05/23/10	6020		3050B

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Location: 6702-73-1

Field Sample ID: POM-S-6702-73-1(0-0.5)

Date Sampled: 5/18/2010 11:00:00

Sample Type: Soil

Lab Sample ID: 5983713-HG FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MERCURY	0.154		J	MG/KG	1	0.113	0.0130	05/22/10	7471A		7471A MOD.
MOISTURE	14.8			%	1	0.50	0.50	05/20/10	SM 2540 G		
LEAD	91.4			MG/KG	2	0.228	0.0342	05/23/10	6020		3050B

Location: 6702-74-1

Field Sample ID: POM-S-6702-74-1(0-0.5)

Date Sampled: 5/18/2010 11:10:00

Sample Type: Soil

Lab Sample ID: 5983714-HG FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MERCURY	0.306		J	MG/KG	1	0.118	0.0136	05/22/10	7471A		7471A MOD.
MOISTURE	16.2			%	1	0.50	0.50	05/20/10	SM 2540 G		
LEAD	24.2			MG/KG	1	0.118	0.0177	05/23/10	6020		3050B

Location: 6702-76-1

Field Sample ID: POM-S-6702-76-1(0-0.5)

Date Sampled: 5/18/2010 11:34:00

Sample Type: Soil

Lab Sample ID: 5983715-HG FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MERCURY	0.206		J	MG/KG	1	0.122	0.0140	05/22/10	7471A		7471A MOD.
MOISTURE	21.6			%	1	0.50	0.50	05/20/10	SM 2540 G		
LEAD	90.7			MG/KG	2	0.250	0.0375	05/23/10	6020		3050B

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Location: 6702-77-1

Field Sample ID: POM-S-6702-77-1(0-0.5)

Date Sampled: 5/18/2010 11:42:00

Sample Type: Soil

Lab Sample ID: 5983716-HG FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MERCURY	0.191		J	MG/KG	1	0.120	0.0138	05/22/10	7471A		7471A MOD.
MOISTURE	22.1			%	1	0.50	0.50	05/20/10	SM 2540 G		
LEAD	121			MG/KG	2	0.257	0.0385	05/23/10	6020		3050B

Location: 6702-78-1

Field Sample ID: POM-S-6702-78-1(0-0.5)

Date Sampled: 5/18/2010 12:12:00

Sample Type: Soil

Lab Sample ID: 5983761-HG FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MERCURY	0.455			MG/KG	1	0.147	0.0169	05/22/10	7471A		7471A MOD.
MOISTURE	33.7			%	1	0.50	0.50	05/20/10	SM 2540 G		
LEAD	71.9			MG/KG	2	0.302	0.0452	05/23/10	6020		3050B

Location: 6702-79-1

Field Sample ID: POM-S-6702-79-1(0-0.5)

Date Sampled: 5/18/2010 12:30:00

Sample Type: Soil

Lab Sample ID: 5983762-HG FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MERCURY	0.150			MG/KG	1	0.127	0.0146	05/22/10	7471A		7471A MOD.
MOISTURE	23.4			%	1	0.50	0.50	05/20/10	SM 2540 G		
LEAD	656			MG/KG	20	2.56	0.384	05/23/10	6020		3050B

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Location: 6702-80-1

Field Sample ID: POM-S-6702-80-1(0-0.5)

Date Sampled: 5/18/2010 12:35:00

Sample Type: Soil

Lab Sample ID: 5983763-HG FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MERCURY	0.0699	J	J	MG/KG	1	0.106	0.0122	05/22/10	7471A	7471A MOD.	
MOISTURE	11.2			%	1	0.50	0.50	05/20/10	SM 2540 G		
LEAD	17.9			MG/KG	2	0.219	0.0328	05/23/10	6020	3050B	

Location: 6702-81-1

Field Sample ID: POM-S-6702-81-1(0-0.5)

Date Sampled: 5/18/2010 12:45:00

Sample Type: Soil

Lab Sample ID: 5983764-HG FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MERCURY	0.841			MG/KG	1	0.374	0.0429	05/22/10	7471A	7471A MOD.	
MOISTURE	74.3			%	1	0.50	0.50	05/20/10	SM 2540 G		
LEAD	90.6			MG/KG	2	0.763	0.114	05/23/10	6020	3050B	

Location: 6702-82-1

Field Sample ID: POM-S-6702-82-1(0-0.5)

Date Sampled: 5/18/2010 13:00:00

Sample Type: Soil

Lab Sample ID: 5983765-HG FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MERCURY	0.122	J	J	MG/KG	1	0.162	0.0186	05/22/10	7471A	7471A MOD.	
MOISTURE	39.4			%	1	0.50	0.50	05/20/10	SM 2540 G		
LEAD	36.5			MG/KG	2	0.330	0.0495	05/23/10	6020	3050B	

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Location: 6702-83-1

Field Sample ID: POM-S-6702-83-1(0-0.5)

Date Sampled: 5/18/2010 13:05:00

Sample Type: Soil

Lab Sample ID: 5983766-HG FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MERCURY	1.10			MG/KG	1	0.167	0.0192	05/22/10	7471A		7471A MOD.
MOISTURE	42.4			%	1	0.50	0.50	05/20/10	SM 2540 G		
LEAD	123			MG/KG	2	0.344	0.0516	05/23/10	6020		3050B

Location: 6702-85-1

Field Sample ID: POM-S-6702-85-1(0-0.5)

Date Sampled: 5/18/2010 13:15:00

Sample Type: Soil

Lab Sample ID: 5983767-HG FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MERCURY	0.203			MG/KG	1	0.199	0.0228	05/22/10	7471A		7471A MOD.
MOISTURE	52.0			%	1	0.50	0.50	05/20/10	SM 2540 G		
LEAD	103			MG/KG	2	0.413	0.0619	05/23/10	6020		3050B

Location: 6702-86-1

Field Sample ID: POM-S-6702-86-1(0-0.5)

Date Sampled: 5/18/2010 13:20:00

Sample Type: Soil

Lab Sample ID: 5983768-HG FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MERCURY	0.315			MG/KG	1	0.184	0.0211	05/22/10	7471A		7471A MOD.
MOISTURE	47.3			%	1	0.50	0.50	05/20/10	SM 2540 G		
LEAD	165			MG/KG	2	0.380	0.0569	05/23/10	6020		3050B

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Location: 6702-87-1

Field Sample ID: POM-S-6702-87-1(0-0.5)

Date Sampled: 5/18/2010 13:27:00

Sample Type: Soil

Lab Sample ID: 5983769-HG FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MERCURY	0.325	J	J	MG/KG	1	0.490	0.0562	05/22/10	7471A	7471A MOD.	
MOISTURE	80.6			%	1	0.50	0.50	05/20/10	SM 2540 G		
LEAD	69.9			MG/KG	2	0.991	0.149	05/23/10	6020	3050B	

Location: 6706-6.01-1

Field Sample ID: POM-S-6706-6.01-1(0-0.5)

Date Sampled: 5/18/2010 16:00:00

Sample Type: Soil

Lab Sample ID: 5983770-HG FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MERCURY	0.0279	J	J	MG/KG	1	0.127	0.0146	05/22/10	7471A	7471A MOD.	
MOISTURE	21.9			%	1	0.50	0.50	05/20/10	SM 2540 G		
LEAD	39.8			MG/KG	2	0.256	0.0384	05/23/10	6020	3050B	

Location: 6706-6-1

Field Sample ID: POM-S-6706-6-1(0-0.5)

Date Sampled: 5/18/2010 16:20:00

Sample Type: Soil

Lab Sample ID: 5983774-HG FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MERCURY	0.237			MG/KG	1	0.175	0.0200	05/22/10	7471A	7471A MOD.	
MOISTURE	44.6			%	1	0.50	0.50	05/20/10	SM 2540 G		
LEAD	81.4			MG/KG	2	0.350	0.0526	05/23/10	6020	3050B	

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Location: 6706-4-1

Field Sample ID: POM-S-6706-4-1(0-0.5)

Date Sampled: 5/18/2010 16:10:00

Sample Type: Soil

Lab Sample ID: 5983775-HG FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MERCURY	0.0377	J	J	MG/KG	1	0.115	0.0132	05/22/10	7471A	7471A MOD.	
MOISTURE	15.2			%	1	0.50	0.50	05/20/10	SM 2540 G		
LEAD	26.2			MG/KG	2	0.231	0.0347	05/23/10	6020	3050B	

Location: 6706-3-1

Field Sample ID: POM-S-6706-3-1(0-0.5)

Date Sampled: 5/18/2010 16:38:00

Sample Type: Soil

Lab Sample ID: 5983776-HG FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MERCURY	0.403			MG/KG	1	0.210	0.0242	05/22/10	7471A	7471A MOD.	
MOISTURE	53.6			%	1	0.50	0.50	05/20/10	SM 2540 G		
LEAD	193			MG/KG	2	0.423	0.0634	05/23/10	6020	3050B	

Location: 6706-2-1

Field Sample ID: POM-S-6706-2-1(0-0.5)

Date Sampled: 5/18/2010 16:30:00

Sample Type: Soil

Lab Sample ID: 5983777-HG FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MERCURY	0.544			MG/KG	1	0.165	0.0189	05/22/10	7471A	7471A MOD.	
MOISTURE	43.0			%	1	0.50	0.50	05/20/10	SM 2540 G		
LEAD	216			MG/KG	10	1.74	0.261	05/23/10	6020	3050B	

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Location: 6706-6.01-1

Field Sample ID: POM-S-6706-6.01-1(0-0.5)-DUP

Date Sampled: 5/18/2010 16:00:00

Sample Type: Soil

Lab Sample ID: 5983778-HG FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MERCURY	0.0304	J	J	MG/KG	1	0.122	0.0140	05/22/10	7471A	7471A MOD.	
MOISTURE	21.5			%	1	0.50	0.50	05/20/10	SM 2540 G		
LEAD	53.2			MG/KG	2	0.252	0.0378	05/23/10	6020	3050B	

Location: ISLAND-1

Field Sample ID: POM-S-ISLAND-1(0-0.5)

Date Sampled: 5/20/2010 09:40:00

Sample Type: Soil

Lab Sample ID: 5987856-HG FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MERCURY	1.97			MG/KG	1	0.437	0.0502	05/25/10	7471A	7471A MOD.	
MOISTURE	77.7			%	1	0.50	0.50	05/24/10	SM 2540 G		
LEAD	184			MG/KG	2	0.897	0.135	05/25/10	6020	3050B	

Location: 6706-7-1

Field Sample ID: POM-S-6706-7-1(0-0.5)

Date Sampled: 5/20/2010 09:30:00

Sample Type: Soil

Lab Sample ID: 5987857-HG FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MERCURY	1.25			MG/KG	1	0.556	0.0638	05/25/10	7471A	7471A MOD.	
MOISTURE	82.5			%	1	0.50	0.50	05/24/10	SM 2540 G		
LEAD	342			MG/KG	2	1.14	0.171	05/25/10	6020	3050B	

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Location: 6702-75-1

Field Sample ID: POM-S-6702-75-1(0.0-0.5)

Date Sampled: 5/27/2010 11:15:00

Sample Type: Soil

Lab Sample ID: 5993472-HG FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
<u>Analytes</u>											
MERCURY	0.230			MG/KG	1	0.112	0.0129	06/02/10	7471A		7471A MOD.
MOISTURE	11.4			%	1	0.50	0.50	06/01/10	SM 2540 G		
LEAD	67.2			MG/KG	2	0.217	0.0326	06/03/10	6020		3050B

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Batch Identifier 274769 7471A MOD. 7471A 22-MAY-10 101405711001 62347

Method Number: 7471A Prep Method: 7471A MOD. Pre-prep:
Batch Start Date: 05/22/2010 Instrument: 62347

Analyte/Parameter	Result	Unit	MDL	PQL	RPR	RPR Limits		RPD	
						Min	Max	RPD	Max
Sample Type MERCURY	LCS	Lab Sample ID: P14011AQQ-HG LCS		Lab: LANCAS					
	2.74	MG/KG	0.110	0.957	93	68	133		
Sample Type MERCURY	MB	Lab Sample ID: P14011ABB-HG MB		Lab: LANCAS					
	< 0.0113	MG/KG	0.0113	0.0985					
Sample Type MERCURY	MS	Lab Sample ID: 5983704-HG MS		Lab: LANCAS					
	0.392	MG/KG	0.0111	0.0967	53	80	120		
Sample Type MERCURY	MSD	Lab Sample ID: 5983704-HG MSD		Lab: LANCAS					
	0.374	MG/KG	0.0111	0.0967	42	80	120	5	20
Sample Type MERCURY	REP	Lab Sample ID: 5983704-HG REP		Lab: LANCAS					
	0.328	MG/KG	0.0110	0.0959				7	20

The following field samples are included in this batch:

Sampleno	Datesmpl	Lab Id	Lab
POM-S-6700-11-1(0-0.5)	5/18/2010	5983698-HG FS	LANCAS
POM-S-6700-12-1(0-0.5)	5/18/2010	5983699-HG FS	LANCAS
POM-S-6700-12.01-1(0-0.5)	5/18/2010	5983700-HG FS	LANCAS
POM-S-6700-13-1(0-0.5)	5/18/2010	5983701-HG FS	LANCAS
POM-S-6700-14-1(0-0.5)	5/18/2010	5983702-HG FS	LANCAS
POM-S-6700-15-1(0-0.5)	5/18/2010	5983703-HG FS	LANCAS
POM-S-6700-15.01-1(0-0.5)	5/18/2010	5983704-HG FS	LANCAS
POM-S-6700-15.01-1(0-0.5)-DUP	5/18/2010	5983708-HG FS	LANCAS
POM-S-6702-200-1(0-0.5)	5/18/2010	5983712-HG FS	LANCAS
POM-S-6702-201-1(0-0.5)	5/18/2010	5983711-HG FS	LANCAS
POM-S-6702-202-1(0-0.5)	5/18/2010	5983710-HG FS	LANCAS
POM-S-6702-205-1(0-0.5)	5/18/2010	5983709-HG FS	LANCAS
POM-S-6702-73-1(0-0.5)	5/18/2010	5983713-HG FS	LANCAS
POM-S-6702-74-1(0-0.5)	5/18/2010	5983714-HG FS	LANCAS
POM-S-6702-76-1(0-0.5)	5/18/2010	5983715-HG FS	LANCAS
POM-S-6702-77-1(0-0.5)	5/18/2010	5983716-HG FS	LANCAS

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Batch Identifier 274770 SM 2540 G 20-MAY-10 10140820001B 9001

Method Number: SM 2540 G Prep Method: Pre-prep:
Batch Start Date: 05/20/2010 Instrument: 9001

Analyte/Parameter	Result	Unit	MDL	PQL	RPR	RPR Limits		RPD	
						Min	Max	RPD	Max
Sample Type MOISTURE	LCS	Lab Sample ID: LC14011Q-MOIST LCS		Lab: LANCAS					
	89.3	%	0.50	0.50	100	99	101		
Sample Type MOISTURE	REP	Lab Sample ID: 5983704-MOIST REP		Lab: LANCAS				21	15
	24.0	%	0.50	0.50					

The following field samples are included in this batch:

Sampleno	Datesmpl	Lab Id	Lab
POM-S-6700-11-1(0-0.5)	5/18/2010	5983698-MOIST FS	LANCAS
POM-S-6700-12-1(0-0.5)	5/18/2010	5983699-MOIST FS	LANCAS
POM-S-6700-12.01-1(0-0.5)	5/18/2010	5983700-MOIST FS	LANCAS
POM-S-6700-13-1(0-0.5)	5/18/2010	5983701-MOIST FS	LANCAS
POM-S-6700-14-1(0-0.5)	5/18/2010	5983702-MOIST FS	LANCAS
POM-S-6700-15-1(0-0.5)	5/18/2010	5983703-MOIST FS	LANCAS
POM-S-6700-15.01-1(0-0.5)-DUP	5/18/2010	5983708-MOIST FS	LANCAS
POM-S-6702-200-1(0-0.5)	5/18/2010	5983712-MOIST FS	LANCAS
POM-S-6702-201-1(0-0.5)	5/18/2010	5983711-MOIST FS	LANCAS
POM-S-6702-202-1(0-0.5)	5/18/2010	5983710-MOIST FS	LANCAS
POM-S-6702-205-1(0-0.5)	5/18/2010	5983709-MOIST FS	LANCAS
POM-S-6702-73-1(0-0.5)	5/18/2010	5983713-MOIST FS	LANCAS
POM-S-6702-74-1(0-0.5)	5/18/2010	5983714-MOIST FS	LANCAS
POM-S-6702-76-1(0-0.5)	5/18/2010	5983715-MOIST FS	LANCAS
POM-S-6702-77-1(0-0.5)	5/18/2010	5983716-MOIST FS	LANCAS

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Batch Identifier 274771 3050B 6020 21-MAY-10 101406150002A 11332

Method Number: 6020 Prep Method: 3050B Pre-prep:
Batch Start Date: 05/21/2010 Intrument: 11332

Analyte/Parameter	Result	Unit	MDL	PQL	RPR	RPR Limits		RPD	Max
						Min	Max		
Sample Type LCS	Lab Sample ID: P14050BQQ-PB LCS			Lab: LANCAS					
LEAD	119	MG/KG	0.375	2.50	111	80	120		
Sample Type MB	Lab Sample ID: P14050BBB-PB MB			Lab: LANCAS					
LEAD	< 0.0300	MG/KG	0.0300	0.200					
Sample Type MS	Lab Sample ID: 5983704-PB MS			Lab: LANCAS					
LEAD	46.0	MG/KG	0.0300	0.200	NC	75	125	NC	
Sample Type MSD	Lab Sample ID: 5983704-PB MSD			Lab: LANCAS					
LEAD	29.9	MG/KG	0.0300	0.200	NC	75	125	NC	20
Sample Type REP	Lab Sample ID: 5983704-PB REP			Lab: LANCAS					
LEAD	23.9	MG/KG	0.0300	0.200				8	20

The following field samples are included in this batch:

Sampleno	Datesmpl	Lab Id	Lab
POM-S-6700-11-1(0-0.5)	5/18/2010	5983698-PB FS	LANCAS
POM-S-6700-12-1(0-0.5)	5/18/2010	5983699-PB FS	LANCAS
POM-S-6700-12.01-1(0-0.5)	5/18/2010	5983700-PB FS	LANCAS
POM-S-6700-13-1(0-0.5)	5/18/2010	5983701-PB FS	LANCAS
POM-S-6700-14-1(0-0.5)	5/18/2010	5983702-PB FS	LANCAS
POM-S-6700-15-1(0-0.5)	5/18/2010	5983703-PB FS	LANCAS
POM-S-6700-15.01-1(0-0.5)	5/18/2010	5983704-PB FS	LANCAS
POM-S-6700-15.01-1(0-0.5)-DUP	5/18/2010	5983708-PB FS	LANCAS
POM-S-6702-200-1(0-0.5)	5/18/2010	5983712-PB FS	LANCAS
POM-S-6702-201-1(0-0.5)	5/18/2010	5983711-PB FS	LANCAS
POM-S-6702-202-1(0-0.5)	5/18/2010	5983710-PB FS	LANCAS
POM-S-6702-205-1(0-0.5)	5/18/2010	5983709-PB FS	LANCAS
POM-S-6702-73-1(0-0.5)	5/18/2010	5983713-PB FS	LANCAS
POM-S-6702-74-1(0-0.5)	5/18/2010	5983714-PB FS	LANCAS
POM-S-6702-76-1(0-0.5)	5/18/2010	5983715-PB FS	LANCAS
POM-S-6702-77-1(0-0.5)	5/18/2010	5983716-PB FS	LANCAS

Batch Identifier 274772 SM 2540 G 21-MAY-10 10141820001A 9001

Method Number: SM 2540 G Prep Method: Pre-prep:
Batch Start Date: 05/21/2010 Intrument: 9001

Analyte/Parameter	Result	Unit	MDL	PQL	RPR	RPR Limits		RPD	Max
						Min	Max		
Sample Type LCS	Lab Sample ID: LC14111Q-MOIST LCS			Lab: LANCAS					
MOISTURE	89.3	%	0.50	0.50	100	99	101		
Sample Type REP	Lab Sample ID: 5983704-MOIST REP			Lab: LANCAS					
MOISTURE	20.9	%	0.50	0.50				2	15

The following field samples are included in this batch:

Sampleno	Datesmpl	Lab Id	Lab
POM-S-6700-15.01-1(0-0.5)	5/18/2010	5983704-MOIST FS	LANCAS

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Batch Identifier 274776 7471A MOD. 7471A 22-MAY-10 101405711002 62347

Method Number: 7471A Prep Method: 7471A MOD. Pre-prep:
Batch Start Date: 05/22/2010 Instrument: 62347

Analyte/Parameter	Result	Unit	MDL	PQL	RPR	RPR Limits		RPD	
						Min	Max	RPD	Max
Sample Type MERCURY	LCS 2.65	Lab Sample ID: P14011BQQ-HG LCS MG/KG	0.112	Lab: LANCAS 0.976	90	68	133		
Sample Type MERCURY	MB < 0.0110	Lab Sample ID: P14011BBB-HG MB MG/KG	0.0110	Lab: LANCAS 0.0960					
Sample Type MERCURY	MS 0.192	Lab Sample ID: 5983770-HG MS MG/KG	0.0108	Lab: LANCAS 0.0943	108	80	120		
Sample Type MERCURY	MSD 0.198	Lab Sample ID: 5983770-HG MSD MG/KG	0.0108	Lab: LANCAS 0.0942	112	80	120	3	20
Sample Type MERCURY	REP 0.0216	Lab Sample ID: 5983770-HG REP MG/KG	0.0109	Lab: LANCAS 0.0951				1	20

The following field samples are included in this batch:

Sampleno	Datesmpl	Lab Id	Lab
POM-S-6702-78-1(0-0.5)	5/18/2010	5983761-HG FS	LANCAS
POM-S-6702-79-1(0-0.5)	5/18/2010	5983762-HG FS	LANCAS
POM-S-6702-80-1(0-0.5)	5/18/2010	5983763-HG FS	LANCAS
POM-S-6702-81-1(0-0.5)	5/18/2010	5983764-HG FS	LANCAS
POM-S-6702-82-1(0-0.5)	5/18/2010	5983765-HG FS	LANCAS
POM-S-6702-83-1(0-0.5)	5/18/2010	5983766-HG FS	LANCAS
POM-S-6702-85-1(0-0.5)	5/18/2010	5983767-HG FS	LANCAS
POM-S-6702-86-1(0-0.5)	5/18/2010	5983768-HG FS	LANCAS
POM-S-6702-87-1(0-0.5)	5/18/2010	5983769-HG FS	LANCAS
POM-S-6706-2-1(0-0.5)	5/18/2010	5983777-HG FS	LANCAS
POM-S-6706-3-1(0-0.5)	5/18/2010	5983776-HG FS	LANCAS
POM-S-6706-4-1(0-0.5)	5/18/2010	5983775-HG FS	LANCAS
POM-S-6706-6-1(0-0.5)	5/18/2010	5983774-HG FS	LANCAS
POM-S-6706-6.01-1(0-0.5)	5/18/2010	5983770-HG FS	LANCAS
POM-S-6706-6.01-1(0-0.5)-DUP	5/18/2010	5983778-HG FS	LANCAS

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Batch Identifier 274777 SM 2540 G 20-MAY-10 10140820002B 9001

Method Number: SM 2540 G Prep Method: Pre-prep:
Batch Start Date: 05/20/2010 Instrument: 9001

Analyte/Parameter	Result	Unit	MDL	PQL	RPR	RPR Limits		RPD	
						Min	Max	RPD	Max
Sample Type MOISTURE	LCS	Lab Sample ID: LC14012Q-MOIST LCS		Lab: LANCAS					
	89.4	%	0.50	0.50	100	99	101		
Sample Type MOISTURE	REP	Lab Sample ID: 5983770-MOIST REP		Lab: LANCAS				4	15
	21.1	%	0.50	0.50					

The following field samples are included in this batch:

Sampleno	Datesmpl	Lab Id	Lab
POM-S-6702-78-1(0-0.5)	5/18/2010	5983761-MOIST FS	LANCAS
POM-S-6702-79-1(0-0.5)	5/18/2010	5983762-MOIST FS	LANCAS
POM-S-6702-80-1(0-0.5)	5/18/2010	5983763-MOIST FS	LANCAS
POM-S-6702-81-1(0-0.5)	5/18/2010	5983764-MOIST FS	LANCAS
POM-S-6702-82-1(0-0.5)	5/18/2010	5983765-MOIST FS	LANCAS
POM-S-6702-83-1(0-0.5)	5/18/2010	5983766-MOIST FS	LANCAS
POM-S-6702-85-1(0-0.5)	5/18/2010	5983767-MOIST FS	LANCAS
POM-S-6702-86-1(0-0.5)	5/18/2010	5983768-MOIST FS	LANCAS
POM-S-6702-87-1(0-0.5)	5/18/2010	5983769-MOIST FS	LANCAS
POM-S-6706-2-1(0-0.5)	5/18/2010	5983777-MOIST FS	LANCAS
POM-S-6706-3-1(0-0.5)	5/18/2010	5983776-MOIST FS	LANCAS
POM-S-6706-4-1(0-0.5)	5/18/2010	5983775-MOIST FS	LANCAS
POM-S-6706-6-1(0-0.5)	5/18/2010	5983774-MOIST FS	LANCAS
POM-S-6706-6.01-1(0-0.5)	5/18/2010	5983770-MOIST FS	LANCAS
POM-S-6706-6.01-1(0-0.5)-DUP	5/18/2010	5983778-MOIST FS	LANCAS

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Batch Identifier 274778 3050B 6020 21-MAY-10 101406150001A 11332

Method Number: 6020 Prep Method: 3050B Pre-prep:
Batch Start Date: 05/21/2010 Instrument: 11332

Analyte/Parameter	Result	Unit	MDL	PQL	RPR	RPR Limits		RPD		
						Min	Max	RPD	Max	
Sample Type	LCS	Lab Sample ID: P14050AQQ-PB LCS			Lab: LANCAS					
LEAD	123	MG/KG	0.375	2.50	115	80	120			
Sample Type	MB	Lab Sample ID: P14050ABB-PB MB			Lab: LANCAS					
LEAD	< 0.0300	MG/KG	0.0300	0.200						
Sample Type	MS	Lab Sample ID: 5983770-PB MS			Lab: LANCAS					
LEAD	55.0	MG/KG	0.0300	0.200	NC	75	125	NC		
Sample Type	MSD	Lab Sample ID: 5983770-PB MSD			Lab: LANCAS					
LEAD	39.0	MG/KG	0.0300	0.200	NC	75	125	NC	20	
Sample Type	REP	Lab Sample ID: 5983770-PB REP			Lab: LANCAS					
LEAD	33.9	MG/KG	0.0300	0.200				8	20	

The following field samples are included in this batch:

Sampleno	Datesmpl	Lab Id	Lab
POM-S-6702-78-1(0-0.5)	5/18/2010	5983761-PB FS	LANCAS
POM-S-6702-79-1(0-0.5)	5/18/2010	5983762-PB FS	LANCAS
POM-S-6702-80-1(0-0.5)	5/18/2010	5983763-PB FS	LANCAS
POM-S-6702-81-1(0-0.5)	5/18/2010	5983764-PB FS	LANCAS
POM-S-6702-82-1(0-0.5)	5/18/2010	5983765-PB FS	LANCAS
POM-S-6702-83-1(0-0.5)	5/18/2010	5983766-PB FS	LANCAS
POM-S-6702-85-1(0-0.5)	5/18/2010	5983767-PB FS	LANCAS
POM-S-6702-86-1(0-0.5)	5/18/2010	5983768-PB FS	LANCAS
POM-S-6702-87-1(0-0.5)	5/18/2010	5983769-PB FS	LANCAS
POM-S-6706-2-1(0-0.5)	5/18/2010	5983777-PB FS	LANCAS
POM-S-6706-3-1(0-0.5)	5/18/2010	5983776-PB FS	LANCAS
POM-S-6706-4-1(0-0.5)	5/18/2010	5983775-PB FS	LANCAS
POM-S-6706-6-1(0-0.5)	5/18/2010	5983774-PB FS	LANCAS
POM-S-6706-6.01-1(0-0.5)	5/18/2010	5983770-PB FS	LANCAS
POM-S-6706-6.01-1(0-0.5)-DUP	5/18/2010	5983778-PB FS	LANCAS

Batch Identifier 275294 7471A MOD. 7471A 25-MAY-10 101445711005 62347

Method Number: 7471A Prep Method: 7471A MOD. Pre-prep:
Batch Start Date: 05/25/2010 Instrument: 62347

Analyte/Parameter	Result	Unit	MDL	PQL	RPR	RPR Limits		RPD		
						Min	Max	RPD	Max	
Sample Type	LCS	Lab Sample ID: P14411EQQ-HG LCS			Lab: LANCAS					
MERCURY	2.77	MG/KG	0.0562	0.490	93	68	133			
Sample Type	MB	Lab Sample ID: P14411EBB-HG MB			Lab: LANCAS					
MERCURY	< 0.0111	MG/KG	0.0111	0.0963						
Sample Type	MS	Lab Sample ID: 5987845-HG MS			Lab: LANCAS					
MERCURY	0.172	MG/KG	0.0113	0.0983	91	80	120			
Sample Type	MSD	Lab Sample ID: 5987845-HG MSD			Lab: LANCAS					
MERCURY	0.179	MG/KG	0.0113	0.0983	95	80	120	4	20	
Sample Type	REP	Lab Sample ID: 5987845-HG REP			Lab: LANCAS					
MERCURY	0.0325	MG/KG	0.0108	0.0938				33	20	

The following field samples are included in this batch:

Sampleno	Datesmpl	Lab Id	Lab
POM-S-6706-7-1(0-0.5)	5/20/2010	5987857-HG FS	LANCAS
POM-S-ISLAND-1(0-0.5)	5/20/2010	5987856-HG FS	LANCAS

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Batch Identifier 275295 SM 2540 G 24-MAY-10 10144820004B 9001

Method Number: SM 2540 G Prep Method: Pre-prep:
Batch Start Date: 05/24/2010 Instrument: 9001

Analyte/Parameter	Result	Unit	MDL	PQL	RPR	RPR Limits		RPD	RPD Max
						Min	Max		
Sample Type LCS	Lab Sample ID: LC14414Q-MOIST LCS			Lab: LANCAS					
MOISTURE	89.5	%	0.50	0.50	100	99	101		
Sample Type REP	Lab Sample ID: 5987845-MOIST REP			Lab: LANCAS					
MOISTURE	39.2	%	0.50	0.50				2	15

The following field samples are included in this batch:

Sampleno	Datesmpl	Lab Id	Lab
POM-S-6706-7-1(0-0.5)	5/20/2010	5987857-MOIST FS	LANCAS
POM-S-ISLAND-1(0-0.5)	5/20/2010	5987856-MOIST FS	LANCAS

Batch Identifier 275299 3050B 6020 24-MAY-10 101446150001A 11332

Method Number: 6020 Prep Method: 3050B Pre-prep:
Batch Start Date: 05/24/2010 Instrument: 11332

Analyte/Parameter	Result	Unit	MDL	PQL	RPR	RPR Limits		RPD	RPD Max
						Min	Max		
Sample Type LCS	Lab Sample ID: P14450AQQ-PB LCS			Lab: LANCAS					
LEAD	110	MG/KG	0.375	2.50	103	80	120		
Sample Type MB	Lab Sample ID: P14450ABB-PB MB			Lab: LANCAS					
LEAD	< 0.0300	MG/KG	0.0300	0.200					
Sample Type MS	Lab Sample ID: 5987856-PB MS			Lab: LANCAS					
LEAD	59.9	MG/KG	0.0300	0.200	NC	75	125	NC	
Sample Type MSD	Lab Sample ID: 5987856-PB MSD			Lab: LANCAS					
LEAD	50.9	MG/KG	0.0300	0.200	NC	75	125	NC	20
Sample Type REP	Lab Sample ID: 5987856-PB REP			Lab: LANCAS					
LEAD	47.6	MG/KG	0.0300	0.200				15	20

The following field samples are included in this batch:

Sampleno	Datesmpl	Lab Id	Lab
POM-S-6706-7-1(0-0.5)	5/20/2010	5987857-PB FS	LANCAS
POM-S-ISLAND-1(0-0.5)	5/20/2010	5987856-PB FS	LANCAS

Batch Identifier 276291 7471A MOD. 7471A 02-JUN-10 101525711001 62347

Method Number: 7471A Prep Method: 7471A MOD. Pre-prep:
Batch Start Date: 06/02/2010 Instrument: 62347

Analyte/Parameter	Result	Unit	MDL	PQL	RPR	RPR Limits		RPD	RPD Max
						Min	Max		
Sample Type LCS	Lab Sample ID: P15211AQQ-HG LCS			Lab: LANCAS					
MERCURY	2.65	MG/KG	0.111	0.970	90	68	133		
Sample Type MB	Lab Sample ID: P15211ABB-HG MB			Lab: LANCAS					
MERCURY	< 0.0113	MG/KG	0.0113	0.0986					
Sample Type MS	Lab Sample ID: 5993464-HG MS			Lab: LANCAS					
MERCURY	0.188	MG/KG	0.0111	0.0966	99	80	120		
Sample Type MSD	Lab Sample ID: 5993464-HG MSD			Lab: LANCAS					
MERCURY	0.180	MG/KG	0.0111	0.0966	94	80	120	4	20
Sample Type REP	Lab Sample ID: 5993464-HG REP			Lab: LANCAS					
MERCURY	0.0231	MG/KG	0.0108	0.0938				22	20

The following field samples are included in this batch:

Sampleno	Datesmpl	Lab Id	Lab
POM-S-6702-75-1(0.0-0.5)	5/27/2010	5993472-HG FS	LANCAS

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Batch Identifier 276292 SM 2540 G 01-JUN-10 10152820001A 9001

Method Number: SM 2540 G Prep Method: Pre-prep:
Batch Start Date: 06/01/2010 Intrument: 9001

Analyte/Parameter	Result	Unit	MDL	PQL	RPR	RPR Limits		RPD	RPD Max
						Min	Max		
Sample Type LCS	Lab Sample ID: LC15211Q-MOIST LCS			Lab: LANCAS					
MOISTURE	89.3	%	0.50	0.50	100	99	101		
Sample Type REP	Lab Sample ID: 5993464-MOIST REP			Lab: LANCAS					
MOISTURE	73.4	%	0.50	0.50				24	15

The following field samples are included in this batch:

Sampleno	Datesmpl	Lab Id	Lab
POM-S-6702-75-1(0.0-0.5)	5/27/2010	5993472-MOIST FS	LANCAS

Batch Identifier 276379 3050B 6020 01-JUN-10 101526150001A 11332

Method Number: 6020 Prep Method: 3050B Pre-prep:
Batch Start Date: 06/01/2010 Intrument: 11332

Analyte/Parameter	Result	Unit	MDL	PQL	RPR	RPR Limits		RPD	RPD Max
						Min	Max		
Sample Type LCS	Lab Sample ID: P15250AQQ-PB LCS			Lab: LANCAS					
LEAD	117	MG/KG	0.371	2.48	110	80	120		
Sample Type MB	Lab Sample ID: P15250ABB-PB MB			Lab: LANCAS					
LEAD	< 0.0291	MG/KG	0.0291	0.194					
Sample Type MS	Lab Sample ID: 5993472-PB MS			Lab: LANCAS					
LEAD	64.1	MG/KG	0.0300	0.200	NC	75	125	NC	
Sample Type MSD	Lab Sample ID: 5993472-PB MSD			Lab: LANCAS					
LEAD	55.5	MG/KG	0.0300	0.200	NC	75	125	NC	20
Sample Type REP	Lab Sample ID: 5993472-PB REP			Lab: LANCAS					
LEAD	53.2	MG/KG	0.0300	0.200				11	20

The following field samples are included in this batch:

Sampleno	Datesmpl	Lab Id	Lab
POM-S-6702-75-1(0.0-0.5)	5/27/2010	5993472-PB FS	LANCAS

ANALYTICAL RESULTS

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

Prepared for:

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

May 24, 2010

Project: POM - ABD SPRING SAMPLING

Submittal Date: 05/19/2010

Group Number: 1195117

PO Number: LBIO-66380

Release Number: LA29481

State of Sample Origin: NJ

<u>Client Sample Description</u>	<u>Lancaster Labs (LLI) #</u>
POM-S-6700-11-1(0-0.5) Soil Sample	5983698
POM-S-6700-12-1(0-0.5) Soil Sample	5983699
POM-S-6700-12.01-1(0-0.5) Soil Sample	5983700
POM-S-6700-13-1(0-0.5) Soil Sample	5983701
POM-S-6700-14-1(0-0.5) Soil Sample	5983702
POM-S-6700-15-1(0-0.5) Soil Sample	5983703
POM-S-6700-15.01-1(0-0.5) Soil Sample	5983704
POM-S-6700-15.01-1(0-0.5)-MS Matrix Spike Soil	5983705
POM-S-6700-15.01-1(0-0.5)-MSD Matrix Spike Dup	5983706
POM-S-6700-15.01-1(0-0.5) Duplicate Soil Sample	5983707
POM-S-6700-15.01-1(0-0.5)-DUP Soil Sample	5983708
POM-S-6702-205-1(0-0.5) Soil Sample	5983709
POM-S-6702-202-1(0-0.5) Soil Sample	5983710
POM-S-6702-201-1(0-0.5) Soil Sample	5983711
POM-S-6702-200-1(0-0.5) Soil Sample	5983712
POM-S-6702-73-1(0-0.5) Soil Sample	5983713
POM-S-6702-74-1(0-0.5) Soil Sample	5983714
POM-S-6702-76-1(0-0.5) Soil Sample	5983715
POM-S-6702-77-1(0-0.5) Soil Sample	5983716

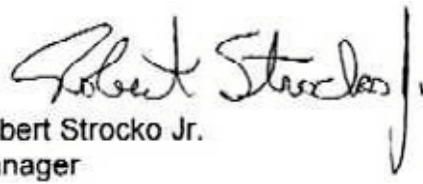
The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

ELECTRONIC LLI
COPY TO
1 COPY TO Data Package Group

Attn: EDD Group

Questions? Contact your Client Services Representative
Nancy J Bornholm at (717) 656-2300 Ext. 1310

Respectfully Submitted,



Robert Strocko Jr.
Manager

Sample Description: POM-S-6700-11-1(0-0.5) Soil Sample
ABD SPRING SAMPLING 2010

LLI Sample # SW 5983698
LLI Group # 1195117
Account # 07032

Project Name: POM - ABD SPRING SAMPLING

Collected: 05/18/2010 15:15 by BA

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 05/19/2010 08:50

Reported: 05/24/2010 12:02

Discard: 06/24/2010

70011 SDG#: ABD54-01

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
	SW-846 6020		mg/kg	mg/kg	mg/kg	
06135	Lead	7439-92-1	26.4	0.0529	0.352	2
	The matrix spike and matrix spike duplicate were out of specification for lead. The recovery of the post digestion spike performed on the background sample was 89%.					
	SW-846 7471A		mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.701	0.0203	0.177	1
Wet Chemistry						
	SM20 2540 G		%	%	%	
00111	Moisture	n.a.	43.8	0.50	0.50	1
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.					

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06135	Lead	SW-846 6020	1	101406150002A	05/23/2010 06:59	Choon Y Tian	2
00159	Mercury	SW-846 7471A	1	101405711001	05/22/2010 10:33	Nelli S Markaryan	1
06150	ICP/MS SW-846 Solid Digest	SW-846 3050B	1	101406150002	05/21/2010 20:17	Annamaria Stipkovits	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	101405711001	05/22/2010 00:50	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	10140820001B	05/20/2010 17:39	Scott W Freisher	1

Sample Description: POM-S-6700-12-1(0-0.5) Soil Sample
ABD SPRING SAMPLING 2010

LLI Sample # SW 5983699
LLI Group # 1195117
Account # 07032

Project Name: POM - ABD SPRING SAMPLING

Collected: 05/18/2010 14:59 by BA

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 05/19/2010 08:50

Reported: 05/24/2010 12:02

Discard: 06/24/2010

70012 SDG#: ABD54-02

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6020	mg/kg	mg/kg	mg/kg	
06135	Lead	7439-92-1	171	0.0548	0.365	2
	The matrix spike and matrix spike duplicate were out of specification for lead. The recovery of the post digestion spike performed on the background sample was 89%.					
		SW-846 7471A	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.508	0.0124	0.108	1
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	46.3	0.50	0.50	1
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.					

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06135	Lead	SW-846 6020	1	101406150002A	05/23/2010 07:01	Choon Y Tian	2
00159	Mercury	SW-846 7471A	1	101405711001	05/22/2010 10:34	Nelli S Markaryan	1
06150	ICP/MS SW-846 Solid Digest	SW-846 3050B	1	101406150002	05/21/2010 20:17	Annamaria Stipkovits	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	101405711001	05/22/2010 00:50	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	10140820001B	05/20/2010 17:39	Scott W Freisher	1



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-6700-12.01-1(0-0.5) Soil Sample
ABD SPRING SAMPLING 2010

LLI Sample # SW 5983700
LLI Group # 1195117
Account # 07032

Project Name: POM - ABD SPRING SAMPLING

Collected: 05/18/2010 15:00 by BA

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 05/19/2010 08:50
Reported: 05/24/2010 12:02
Discard: 06/24/2010

70121 SDG#: ABD54-03

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6020	mg/kg	mg/kg	mg/kg	
06135	Lead	7439-92-1	82.9	0.0477	0.318	2
	The matrix spike and matrix spike duplicate were out of specification for lead. The recovery of the post digestion spike performed on the background sample was 89%.					
		SW-846 7471A	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.215	0.0180	0.156	1
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	37.7	0.50	0.50	1
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.					

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06135	Lead	SW-846 6020	1	101406150002A	05/23/2010 07:06	Choon Y Tian	2
00159	Mercury	SW-846 7471A	1	101405711001	05/22/2010 10:36	Nelli S Markaryan	1
06150	ICP/MS SW-846 Solid Digest	SW-846 3050B	1	101406150002	05/21/2010 20:17	Annamaria Stipkovits	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	101405711001	05/22/2010 00:50	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	10140820001B	05/20/2010 17:39	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: POM-S-6700-13-1(0-0.5) Soil Sample
ABD SPRING SAMPLING 2010

LLI Sample # SW 5983701
LLI Group # 1195117
Account # 07032

Project Name: POM - ABD SPRING SAMPLING

Collected: 05/18/2010 14:50 by BA

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 05/19/2010 08:50

Reported: 05/24/2010 12:02

Discard: 06/24/2010

70013 SDG#: ABD54-04

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
	SW-846 6020		mg/kg	mg/kg	mg/kg	
06135	Lead	7439-92-1	511	0.316	2.11	10
	The matrix spike and matrix spike duplicate were out of specification for lead. The recovery of the post digestion spike performed on the background sample was 89%.					
	SW-846 7471A		mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	1.23	0.0244	0.212	1
Wet Chemistry						
	SM20 2540 G		%	%	%	
00111	Moisture	n.a.	53.9	0.50	0.50	1
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.					

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06135	Lead	SW-846 6020	1	101406150002A	05/23/2010 07:32	Choon Y Tian	10
00159	Mercury	SW-846 7471A	1	101405711001	05/22/2010 10:37	Nelli S Markaryan	1
06150	ICP/MS SW-846 Solid Digest	SW-846 3050B	1	101406150002	05/21/2010 20:17	Annamaria Stipkovits	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	101405711001	05/22/2010 00:50	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	10140820001B	05/20/2010 17:39	Scott W Freisher	1

Sample Description: POM-S-6700-14-1(0-0.5) Soil Sample
ABD SPRING SAMPLING 2010

LLI Sample # SW 5983702
LLI Group # 1195117
Account # 07032

Project Name: POM - ABD SPRING SAMPLING

Collected: 05/18/2010 14:30 by BA

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 05/19/2010 08:50

Reported: 05/24/2010 12:02

Discard: 06/24/2010

70014 SDG#: ABD54-05

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6020	mg/kg	mg/kg	mg/kg	
06135	Lead	7439-92-1	89.5	0.0403	0.269	2
	The matrix spike and matrix spike duplicate were out of specification for lead. The recovery of the post digestion spike performed on the background sample was 89%.					
		SW-846 7471A	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.217	0.0153	0.133	1
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	26.3	0.50	0.50	1
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.					

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06135	Lead	SW-846 6020	1	101406150002A	05/23/2010 07:09	Choon Y Tian	2
00159	Mercury	SW-846 7471A	1	101405711001	05/22/2010 10:38	Nelli S Markaryan	1
06150	ICP/MS SW-846 Solid Digest	SW-846 3050B	1	101406150002	05/21/2010 20:17	Annamaria Stipkovits	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	101405711001	05/22/2010 00:50	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	10140820001B	05/20/2010 17:39	Scott W Freisher	1

Sample Description: POM-S-6700-15-1(0-0.5) Soil Sample
ABD SPRING SAMPLING 2010

LLI Sample # SW 5983703
LLI Group # 1195117
Account # 07032

Project Name: POM - ABD SPRING SAMPLING

Collected: 05/18/2010 14:08 by BA

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 05/19/2010 08:50

Reported: 05/24/2010 12:02

Discard: 06/24/2010

70015 SDG#: ABD54-06

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6020	mg/kg	mg/kg	mg/kg	
06135	Lead	7439-92-1	24.0	0.0389	0.260	2
	The matrix spike and matrix spike duplicate were out of specification for lead. The recovery of the post digestion spike performed on the background sample was 89%.					
		SW-846 7471A	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.0351 J	0.0151	0.131	1
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	25.2	0.50	0.50	1
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.					

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06135	Lead	SW-846 6020	1	101406150002A	05/23/2010 07:11	Choon Y Tian	2
00159	Mercury	SW-846 7471A	1	101405711001	05/22/2010 10:40	Nelli S Markaryan	1
06150	ICP/MS SW-846 Solid Digest	SW-846 3050B	1	101406150002	05/21/2010 20:17	Annamaria Stipkovits	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	101405711001	05/22/2010 00:50	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	10140820001B	05/20/2010 17:39	Scott W Freisher	1

Sample Description: POM-S-6700-15.01-1(0-0.5) Soil Sample
ABD SPRING SAMPLING 2010

LLI Sample # SW 5983704
LLI Group # 1195117
Account # 07032

Project Name: POM - ABD SPRING SAMPLING

Collected: 05/18/2010 14:00 by BA

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 05/19/2010 08:50

Reported: 05/24/2010 12:02

Discard: 06/24/2010

70151 SDG#: ABD54-07BKG

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6020	mg/kg	mg/kg	mg/kg	
06135	Lead	7439-92-1	32.9	0.0381	0.254	2
	The matrix spike and matrix spike duplicate were out of specification for lead. The recovery of the post digestion spike performed on the background sample was 89%.					
		SW-846 7471A	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.390	0.0140	0.122	1
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	21.3	0.50	0.50	1
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.					

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06135	Lead	SW-846 6020	1	101406150002A	05/23/2010 06:48	Choon Y Tian	2
00159	Mercury	SW-846 7471A	1	101405711001	05/22/2010 10:41	Nelli S Markaryan	1
06150	ICP/MS SW-846 Solid Digest	SW-846 3050B	1	101406150002	05/21/2010 20:17	Annamaria Stipkovits	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	101405711001	05/22/2010 00:50	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	2	10141820001A	05/21/2010 16:59	Scott W Freisher	1

**Sample Description: POM-S-6700-15.01-1(0-0.5)-MS Matrix Spike Soil
ABD SPRING SAMPLING 2010**

**LLI Sample # SW 5983705
LLI Group # 1195117
Account # 07032**

Project Name: POM - ABD SPRING SAMPLING

Collected: 05/18/2010 14:00 by BA

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 05/19/2010 08:50

Reported: 05/24/2010 12:02

Discard: 06/24/2010

70151 SDG#: ABD54-07MS

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
	SW-846 6020		mg/kg	mg/kg	mg/kg	
06135	Lead	7439-92-1	58.5	0.0381	0.254	2
	The matrix spike and matrix spike duplicate were out of specification for lead. The recovery of the post digestion spike performed on the background sample was 89%.					
	SW-846 7471A		mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.498	0.0141	0.123	1
Wet Chemistry						
	SM20 2540 G		%	%	%	
00118	Moisture	n.a.	21.3	0.50	0.50	1

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06135	Lead	SW-846 6020	1	101406150002A	05/23/2010 06:54	Choon Y Tian	2
00159	Mercury	SW-846 7471A	1	101405711001	05/22/2010 10:47	Nelli S Markaryan	1
06150	ICP/MS SW-846 Solid Digest	SW-846 3050B	1	101406150002	05/21/2010 20:17	Annamaria Stipkovits	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	101405711001	05/22/2010 00:50	Annamaria Stipkovits	1
00118	Moisture	SM20 2540 G	2	10141820001A	05/21/2010 16:59	Scott W Freisher	1



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-6700-15.01-1(0-0.5)-MSD Matrix Spike Dup
Soil Sample
ABD SPRING SAMPLING 2010

LLI Sample # SW 5983706
LLI Group # 1195117
Account # 07032

Project Name: POM - ABD SPRING SAMPLING

Collected: 05/18/2010 14:00 by BA
Submitted: 05/19/2010 08:50
Reported: 05/24/2010 12:02
Discard: 06/24/2010

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

70151 SDG#: ABD54-07MSD

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
06135	Lead	SW-846 6020 7439-92-1	mg/kg 38.0	mg/kg 0.0381	mg/kg 0.254	2
The matrix spike and matrix spike duplicate were out of specification for lead. The recovery of the post digestion spike performed on the background sample was 89%.						
00159	Mercury	SW-846 7471A 7439-97-6	mg/kg 0.475	mg/kg 0.0141	mg/kg 0.123	1
Wet Chemistry						
00118	Moisture	SM20 2540 G n.a.	% 21.3	% 0.50	% 0.50	1

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06135	Lead	SW-846 6020	1	101406150002A	05/23/2010 06:55	Choon Y Tian	2
00159	Mercury	SW-846 7471A	1	101405711001	05/22/2010 10:48	Nelli S Markaryan	1
06150	ICP/MS SW-846 Solid Digest	SW-846 3050B	1	101406150002	05/21/2010 20:17	Annamaria Stipkovits	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	101405711001	05/22/2010 00:50	Annamaria Stipkovits	1
00118	Moisture	SM20 2540 G	2	10141820001A	05/21/2010 16:59	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: POM-S-6700-15.01-1(0-0.5) Duplicate Soil Sample
ABD SPRING SAMPLING 2010

LLI Sample # SW 5983707
LLI Group # 1195117
Account # 07032

Project Name: POM - ABD SPRING SAMPLING

Collected: 05/18/2010 14:00 by BA

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 05/19/2010 08:50
Reported: 05/24/2010 12:02
Discard: 06/24/2010

70151 SDG#: ABD54-07DUP

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6020	mg/kg	mg/kg	mg/kg	
06135	Lead	7439-92-1	30.4	0.0381	0.254	2
	The matrix spike and matrix spike duplicate were out of specification for lead. The recovery of the post digestion spike performed on the background sample was 89%.					
		SW-846 7471A	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.416	0.0140	0.122	1
Wet Chemistry						
		SM20 2540 G	%	%	%	
00118	Moisture	n.a.	21.3	0.50	0.50	1
00121	Moisture Duplicate	n.a.	20.9	0.50	0.50	1
	The duplicate moisture value is provided to assess the precision of the moisture test. For comparability purposes, the initial moisture determination is the value used to perform dry weight calculations.					

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06135	Lead	SW-846 6020	1	101406150002A	05/23/2010 06:52	Choon Y Tian	2
00159	Mercury	SW-846 7471A	1	101405711001	05/22/2010 10:42	Nelli S Markaryan	1
06150	ICP/MS SW-846 Solid Digest	SW-846 3050B	1	101406150002	05/21/2010 20:17	Annamaria Stipkovits	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	101405711001	05/22/2010 00:50	Annamaria Stipkovits	1
00118	Moisture	SM20 2540 G	2	10141820001A	05/21/2010 16:59	Scott W Freisher	1
00121	Moisture Duplicate	SM20 2540 G	2	10141820001A	05/21/2010 16:59	Scott W Freisher	1



Analysis Report

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Sample Description: POM-S-6700-15.01-1(0-0.5)-DUP Soil Sample
ABD SPRING SAMPLING 2010

LLI Sample # SW 5983708
LLI Group # 1195117
Account # 07032

Project Name: POM - ABD SPRING SAMPLING

Collected: 05/18/2010 14:00 by BA

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 05/19/2010 08:50
Reported: 05/24/2010 12:02
Discard: 06/24/2010

7015D SDG#: ABD54-08FD

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
06135	Lead	SW-846 6020 7439-92-1	mg/kg 43.8	mg/kg 0.0433	mg/kg 0.288	2
The matrix spike and matrix spike duplicate were out of specification for lead. The recovery of the post digestion spike performed on the background sample was 89%.						
00159	Mercury	SW-846 7471A 7439-97-6	mg/kg 0.387	mg/kg 0.0169	mg/kg 0.147	1
Wet Chemistry						
00111	Moisture	SM20 2540 G n.a.	% 32.0	% 0.50	% 0.50	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.						

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06135	Lead	SW-846 6020	1	101406150002A	05/23/2010 07:13	Choon Y Tian	2
00159	Mercury	SW-846 7471A	1	101405711001	05/22/2010 10:49	Nelli S Markaryan	1
06150	ICP/MS SW-846 Solid Digest	SW-846 3050B	1	101406150002	05/21/2010 20:17	Annamaria Stipkovits	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	101405711001	05/22/2010 00:50	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	10140820001B	05/20/2010 17:39	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: POM-S-6702-205-1(0-0.5) Soil Sample
ABD SPRING SAMPLING 2010

LLI Sample # SW 5983709
LLI Group # 1195117
Account # 07032

Project Name: POM - ABD SPRING SAMPLING

Collected: 05/18/2010 13:50 by BA

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 05/19/2010 08:50

Reported: 05/24/2010 12:02

Discard: 06/24/2010

72205 SDG#: ABD54-09

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6020	mg/kg	mg/kg	mg/kg	
06135	Lead	7439-92-1	52.4	0.0395	0.264	2
	The matrix spike and matrix spike duplicate were out of specification for lead. The recovery of the post digestion spike performed on the background sample was 89%.					
		SW-846 7471A	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.271	0.0147	0.128	1
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	24.1	0.50	0.50	1
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.					

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06135	Lead	SW-846 6020	1	101406150002A	05/23/2010 07:15	Choon Y Tian	2
00159	Mercury	SW-846 7471A	1	101405711001	05/22/2010 10:50	Nelli S Markaryan	1
06150	ICP/MS SW-846 Solid Digest	SW-846 3050B	1	101406150002	05/21/2010 20:17	Annamaria Stipkovits	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	101405711001	05/22/2010 00:50	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	10140820001B	05/20/2010 17:39	Scott W Freisher	1

**Sample Description: POM-S-6702-202-1(0-0.5) Soil Sample
ABD SPRING SAMPLING 2010**

**LLI Sample # SW 5983710
LLI Group # 1195117
Account # 07032**

Project Name: POM - ABD SPRING SAMPLING

Collected: 05/18/2010 10:40 by BA

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 05/19/2010 08:50

Reported: 05/24/2010 12:02

Discard: 06/24/2010

72202 SDG#: ABD54-10

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6020	mg/kg	mg/kg	mg/kg	
06135	Lead	7439-92-1	22.4	0.0367	0.245	2
	The matrix spike and matrix spike duplicate were out of specification for lead. The recovery of the post digestion spike performed on the background sample was 89%.					
		SW-846 7471A	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.0690 J	0.0137	0.119	1
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	19.1	0.50	0.50	1
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.					

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06135	Lead	SW-846 6020	1	101406150002A	05/23/2010 07:16	Choon Y Tian	2
00159	Mercury	SW-846 7471A	1	101405711001	05/22/2010 10:51	Nelli S Markaryan	1
06150	ICP/MS SW-846 Solid Digest	SW-846 3050B	1	101406150002	05/21/2010 20:17	Annamaria Stipkovits	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	101405711001	05/22/2010 00:50	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	10140820001B	05/20/2010 17:39	Scott W Freisher	1

Sample Description: POM-S-6702-201-1(0-0.5) Soil Sample
ABD SPRING SAMPLING 2010

LLI Sample # SW 5983711
LLI Group # 1195117
Account # 07032

Project Name: POM - ABD SPRING SAMPLING

Collected: 05/18/2010 10:23 by BA

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 05/19/2010 08:50

Reported: 05/24/2010 12:02

Discard: 06/24/2010

72201 SDG#: ABD54-11

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6020	mg/kg	mg/kg	mg/kg	
06135	Lead	7439-92-1	51.3	0.0682	0.455	2
	The matrix spike and matrix spike duplicate were out of specification for lead. The recovery of the post digestion spike performed on the background sample was 89%.					
		SW-846 7471A	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.558	0.0263	0.229	1
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	56.9	0.50	0.50	1
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.					

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06135	Lead	SW-846 6020	1	101406150002A	05/23/2010 07:18	Choon Y Tian	2
00159	Mercury	SW-846 7471A	1	101405711001	05/22/2010 10:53	Nelli S Markaryan	1
06150	ICP/MS SW-846 Solid Digest	SW-846 3050B	1	101406150002	05/21/2010 20:17	Annamaria Stipkovits	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	101405711001	05/22/2010 00:50	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	10140820001B	05/20/2010 17:39	Scott W Freisher	1

**Sample Description: POM-S-6702-200-1(0-0.5) Soil Sample
ABD SPRING SAMPLING 2010**

**LLI Sample # SW 5983712
LLI Group # 1195117
Account # 07032**

Project Name: POM - ABD SPRING SAMPLING

Collected: 05/18/2010 10:31 by BA

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 05/19/2010 08:50

Reported: 05/24/2010 12:02

Discard: 06/24/2010

72200 SDG#: ABD54-12

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6020	mg/kg	mg/kg	mg/kg	
06135	Lead	7439-92-1	153	0.0677	0.451	2
	The matrix spike and matrix spike duplicate were out of specification for lead. The recovery of the post digestion spike performed on the background sample was 89%.					
		SW-846 7471A	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	1.75	0.0248	0.216	1
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	56.1	0.50	0.50	1
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.					

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06135	Lead	SW-846 6020	1	101406150002A	05/23/2010 07:20	Choon Y Tian	2
00159	Mercury	SW-846 7471A	1	101405711001	05/22/2010 10:54	Nelli S Markaryan	1
06150	ICP/MS SW-846 Solid Digest	SW-846 3050B	1	101406150002	05/21/2010 20:17	Annamaria Stipkovits	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	101405711001	05/22/2010 00:50	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	10140820001B	05/20/2010 17:39	Scott W Freisher	1

**Sample Description: POM-S-6702-73-1(0-0.5) Soil Sample
ABD SPRING SAMPLING 2010**

**LLI Sample # SW 5983713
LLI Group # 1195117
Account # 07032**

Project Name: POM - ABD SPRING SAMPLING

Collected: 05/18/2010 11:00 by BA

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 05/19/2010 08:50

Reported: 05/24/2010 12:02

Discard: 06/24/2010

70273 SDG#: ABD54-13

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6020	mg/kg	mg/kg	mg/kg	
06135	Lead	7439-92-1	91.4	0.0342	0.228	2
	The matrix spike and matrix spike duplicate were out of specification for lead. The recovery of the post digestion spike performed on the background sample was 89%.					
		SW-846 7471A	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.154	0.0130	0.113	1
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	14.8	0.50	0.50	1
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.					

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06135	Lead	SW-846 6020	1	101406150002A	05/23/2010 07:22	Choon Y Tian	2
00159	Mercury	SW-846 7471A	1	101405711001	05/22/2010 10:55	Nelli S Markaryan	1
06150	ICP/MS SW-846 Solid Digest	SW-846 3050B	1	101406150002	05/21/2010 20:17	Annamaria Stipkovits	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	101405711001	05/22/2010 00:50	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	10140820001B	05/20/2010 17:39	Scott W Freisher	1

**Sample Description: POM-S-6702-74-1(0-0.5) Soil Sample
ABD SPRING SAMPLING 2010**

**LLI Sample # SW 5983714
LLI Group # 1195117
Account # 07032**

Project Name: POM - ABD SPRING SAMPLING

Collected: 05/18/2010 11:10 by BA

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 05/19/2010 08:50

Reported: 05/24/2010 12:02

Discard: 06/24/2010

70274 SDG#: ABD54-14

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6020	mg/kg	mg/kg	mg/kg	
06135	Lead	7439-92-1	24.2	0.0177	0.118	1
	The matrix spike and matrix spike duplicate were out of specification for lead. The recovery of the post digestion spike performed on the background sample was 89%.					
		SW-846 7471A	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.306	0.0136	0.118	1
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	16.2	0.50	0.50	1
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.					

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06135	Lead	SW-846 6020	1	101406150002A	05/23/2010 09:38	Choon Y Tian	1
00159	Mercury	SW-846 7471A	1	101405711001	05/22/2010 10:56	Nelli S Markaryan	1
06150	ICP/MS SW-846 Solid Digest	SW-846 3050B	1	101406150002	05/21/2010 20:17	Annamaria Stipkovits	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	101405711001	05/22/2010 00:50	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	10140820001B	05/20/2010 17:39	Scott W Freisher	1

Sample Description: POM-S-6702-76-1(0-0.5) Soil Sample
ABD SPRING SAMPLING 2010

LLI Sample # SW 5983715
LLI Group # 1195117
Account # 07032

Project Name: POM - ABD SPRING SAMPLING

Collected: 05/18/2010 11:34 by BA

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 05/19/2010 08:50

Reported: 05/24/2010 12:02

Discard: 06/24/2010

70276 SDG#: ABD54-15

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6020	mg/kg	mg/kg	mg/kg	
06135	Lead	7439-92-1	90.7	0.0375	0.250	2
	The matrix spike and matrix spike duplicate were out of specification for lead. The recovery of the post digestion spike performed on the background sample was 89%.					
		SW-846 7471A	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.206	0.0140	0.122	1
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	21.6	0.50	0.50	1
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.					

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06135	Lead	SW-846 6020	1	101406150002A	05/23/2010 07:29	Choon Y Tian	2
00159	Mercury	SW-846 7471A	1	101405711001	05/22/2010 10:57	Nelli S Markaryan	1
06150	ICP/MS SW-846 Solid Digest	SW-846 3050B	1	101406150002	05/21/2010 20:17	Annamaria Stipkovits	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	101405711001	05/22/2010 00:50	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	10140820001B	05/20/2010 17:39	Scott W Freisher	1



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-6702-77-1(0-0.5) Soil Sample
ABD SPRING SAMPLING 2010

LLI Sample # SW 5983716
LLI Group # 1195117
Account # 07032

Project Name: POM - ABD SPRING SAMPLING

Collected: 05/18/2010 11:42 by BA

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 05/19/2010 08:50
Reported: 05/24/2010 12:02
Discard: 06/24/2010

70277 SDG#: ABD54-16*

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6020	mg/kg	mg/kg	mg/kg	
06135	Lead	7439-92-1	121	0.0385	0.257	2
	The matrix spike and matrix spike duplicate were out of specification for lead. The recovery of the post digestion spike performed on the background sample was 89%.					
		SW-846 7471A	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.191	0.0138	0.120	1
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	22.1	0.50	0.50	1
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.					

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06135	Lead	SW-846 6020	1	101406150002A	05/23/2010 07:30	Choon Y Tian	2
00159	Mercury	SW-846 7471A	1	101405711001	05/22/2010 11:01	Nelli S Markaryan	1
06150	ICP/MS SW-846 Solid Digest	SW-846 3050B	1	101406150002	05/21/2010 20:17	Annamaria Stipkovits	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	101405711001	05/22/2010 00:50	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	10140820001B	05/20/2010 17:39	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Quality Control Summary

 Client Name: CRG-E.I.DuPont de Nemours & Co
 Reported: 05/24/10 at 12:02 PM

Group Number: 1195117

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: 101405711001 Mercury	Sample number(s): 5983698-5983716 N.D.			0.0113	0.0985	mg/kg	93	68-133	
Batch number: 101406150002A Lead	Sample number(s): 5983698-5983716 N.D.			0.0300	0.200	mg/kg	111	80-120	
Batch number: 10140820001B Moisture	Sample number(s): 5983698-5983703,5983708-5983716						100	99-101	
Batch number: 10141820001A Moisture	Sample number(s): 5983704-5983707						100	99-101	
Moisture							100	99-101	
Moisture Duplicate							100	99-101	

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
 Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>RPD MAX</u>	<u>BKG Conc</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>			
Batch number: 101405711001 Mercury	Sample number(s): 5983698-5983716 UNSPK: 5983704 BKG: 5983704			53*	42*	80-120	5	20	0.307	0.328	7 (1)	20
Batch number: 101406150002A Lead	Sample number(s): 5983698-5983716 UNSPK: 5983704 BKG: 5983704			671 (2)	133 (2)	75-125	42*	20	25.9	23.9	8	20
Batch number: 10140820001B Moisture	Sample number(s): 5983698-5983703,5983708-5983716 BKG: P983704						19.5	24.0			21*	15
Batch number: 10141820001A Moisture	Sample number(s): 5983704-5983707 BKG: 5983704						21.3	20.9			2	15
Moisture							21.3	20.9			2	15
Moisture Duplicate							21.3	20.9			2	15

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.



Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only

Group No.: 1195117 Sample Nos.: 5983698-716 17280
Acc't: 07032 SCR No.: 90629 Cooler No.: 17280 **16440**
Cooler Temperature upon receipt: 3.0 °C Container No.: 1

Facility Name: Pompton Lakes		Project Manager: Marj Vetter					Analyses Required										Comments: 3 DAY TAT	
Facility Contact: Ron Kuhn		Facility Contact Phone No.: 315-247-9920																
Facility Address: Pompton Lakes Works		Job No.: 9267-7720100C-WH06507906																
2000 Cannonball Road		Release No.: LA29481																
Pompton Lakes NJ 07442		PO Number: LBIO-66380																
Sampler(s):																		
Project Name: ABD SPRING SAMPLING 2010																		
				Containers														
Sample Identification		Date Collected	Time Collected	Matrix	Volume (ml)	Preserv	No.	Hg (7471A)	Moisture (SM20 2540 G)	Pb (6020)						Condition upon receipt: <i>John</i>		
POM-S-6700-11-1(0-0.5)		5/18	1515	SW	125	None	1	X	X	X								
POM-S-6700-12-1(0-0.5)		5/18	1459	SW	125	None	1	X	X	X								
POM-S-6700-12.01-1(0-0.5)		5/18	1500	SW	125	None	1	X	X	X								
POM-S-6700-13-1(0-0.5)		5/18	1450	SW	125	None	1	X	X	X								
POM-S-6700-14-1(0-0.5)		5/18	1430	SW	125	None	1	X	X	X								
POM-S-6700-15-1(0-0.5)		5/18	1408	SW	125	None	1	X	X	X								
POM-S-6700-15.01-1(0-0.5)		5/18	1400	SW	125	None	1	X	X	X								
POM-S-6700-15.01(0-0.5))-DUP		5/18	1400	SW	125	None	1	X	X	X								
DOM-S-6700-15.01-1 MS		5/18	1400	SW	125	None	1	X	X	X								
Pom S-6700-15.01-1 MSP		5/18	1400	SW	125	None	1	X	X	X								
Turnaround Time Requested (please circle): Normal Rush Number of days: <u>3</u>		Special Instructions:																
Bottles Relinquished by: <i>Ben McAllister</i>		Date: 5/18	Time: 1730	Bottles Received by:		Date:	Time:											
Bottles Relinquished by:		Date:	Time:	Bottles Received by:		Date:	Time:											
Bottles Relinquished by:		Date:	Time:	Bottles Received by:		Date:	Time:											
Bottles Relinquished by:		Date:	Time:	Bottles Received by: <i>John</i>		Date: 5/19/06	Time: 0850											



Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only

Group No.: 1195117 Sample Nos.: 5983698-716 1782
 Acc't: 07032 SCR No.: 90629 Cooler No.: 16441
 Cooler Temperature upon receipt: 3.0 °C Container No.: 1

Facility Name: Pompton Lakes		Project Manager: Marj Vetter		Analyses Required										Comments: 3 DAY TAT					
Facility Contact: Ron Kuhn		Facility Contact Phone No.: 315-247-9920												Condition upon receipt: <i>initial</i>					
Facility Address: Pompton Lakes Works		Job No.: 9267-7720100C-WH06507906																	
2000 Cannonball Road		Release No.: LA29481																	
Pompton Lakes NJ 07442		PO Number: LBIO-66380																	
Sampler(s):		Project Name: ABD SPRING SAMPLING 2010																	
Sample Identification	Date Collected	Time Collected	Matrix	Containers			Hg (7471A)	Moisture (SM20 2540 G)	Pb (6020)										
				Volume (ml)	Preserv	No.													
POM-S-6702-205-1(0-0.5)	5/18	1350	SW	125	None	1	X	X	X										
POM-S-6702-202-1(0-0.5)	5/18	1040	SW	125	None	1	X	X	X										
POM-S-6702-201-1(0-0.5)	5/18	1023	SW	125	None	1	X	X	X										
POM-S-6702-200-1(0-0.5)	5/18	1031	SW	125	None	1	X	X	X										
POM-S-6702-73-1(0-0.5)	5/18	1100	SW	125	None	1	X	X	X										
POM-S-6702-74-1(0-0.5)	5/18	1116	SW	125	None	1	X	X	X										
POM-S-6702-76-1(0-0.5)	5/18	1134	SW	125	None	1	X	X	X										
POM-S-6702-77-1(0-0.5)	5/18	1142	SW	125	None	1	X	X	X										
Turnaround Time Requested (please circle): Normal <input type="radio"/> Rush <input checked="" type="radio"/> Number of days: <u>3</u>							Special Instructions:												
Bottles Relinquished by: <i>Ben McArthur</i>		Date: 5/18	Time: 1730	Bottles Received by:						Date:	Time:								
Bottles Relinquished by:		Date:	Time:	Bottles Received by:						Date:	Time:								
Bottles Relinquished by:		Date:	Time:	Bottles Received by: <i>[Signature]</i>						Date:	Time:								
Bottles Relinquished by:		Date:	Time:	Bottles Received by:						Date: <i>Shaw</i>	Time: <i>0800</i>								

Environmental Sample Administration Receipt Documentation Log

Client/Project: Du Pont
 Date of Receipt: 5/19/10
 Time of Receipt: 0850
 Source Code: 50-1
 Unpacker Emp. No.: 1454

Shipping Container Sealed: YES NO

Custody Seal Present * : YES NO

* Custody seal was intact unless otherwise noted in the discrepancy section

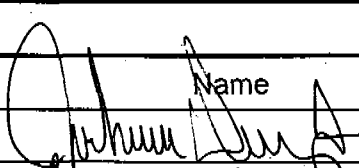
Package: Shilled Not Chilled

Temperature of Shipping Containers							
Cooler #	Thermometer ID	Temperature (°C)	Temp Bottle (TB) or Surface Temp (ST)	Wet Ice (WI) or Dry Ice (DI) or Ice Packs (IP)	Ice Present? Y/N	Loose (L) Bagged Ice (B) or NA	Comments
1	0429951	3.0C	TB	WI	Y	L	
2							
3							
4							
5							
6							

Number of Trip Blanks received NOT listed on chain of custody: 0

Paperwork Discrepancy/Unpacking Problems:

Did not receive POM-S-6706-7-1 (0.0.5)

Sample Administration Internal Chain of Custody			
Name	Date	Time	Reason for Transfer
	5/19/10	1030	Unpacking
Arnelise H. Owens	5/19/10	1100	Place in Storage or <u>Entry</u>
			Entry
			Entry

Lancaster Laboratories Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

N.D.	none detected	BMQL	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	MPN	Most Probable Number
IU	International Units	CP Units	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	NTU	nephelometric turbidity units
C	degrees Celsius	F	degrees Fahrenheit
Cal	(diet) calories	lb.	pound(s)
meq	milliequivalents	kg	kilogram(s)
g	gram(s)	mg	milligram(s)
ug	microgram(s)	l	liter(s)
ml	milliliter(s)	ul	microliter(s)
m3	cubic meter(s)	fib >5 um/ml	fibers greater than 5 microns in length per ml
<	less than – The number following the sign is the <u>limit of quantitation</u> , the smallest amount of analyte which can be reliably determined using this specific test.		
>	greater than		
ppm	parts per million – One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.		
ppb	parts per billion		
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture.		

U.S. EPA data qualifiers:

Organic Qualifiers

A	TIC is a possible aldol-condensation product
B	Analyte was also detected in the blank
C	Pesticide result confirmed by GC/MS
D	Compound quantitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
J	Estimated value
N	Presumptive evidence of a compound (TICs only)
P	Concentration difference between primary and confirmation columns >25%
U	Compound was not detected
X,Y,Z	Defined in case narrative

Inorganic Qualifiers

B	Value is <CRDL, but ≥IDL
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike amount not within control limits
S	Method of standard additions (MSA) used for calculation
U	Compound was not detected
W	Post digestion spike out of control limits
*	Duplicate analysis not within control limits
+	Correlation coefficient for MSA <0.995

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

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ANALYTICAL RESULTS

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

Prepared for:

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

May 24, 2010

Project: POM - ABD SPRING SAMPLING

Submittal Date: 05/19/2010

Group Number: 1195126

PO Number: LBIO-66380

Release Number: LA29481

State of Sample Origin: NJ

<u>Client Sample Description</u>	<u>Lancaster Labs (LLI) #</u>
POM-S-6702-78-1(0-0.5) Soil Sample	5983761
POM-S-6702-79-1(0-0.5) Soil Sample	5983762
POM-S-6702-80-1(0-0.5) Soil Sample	5983763
POM-S-6702-81-1(0-0.5) Soil Sample	5983764
POM-S-6702-82-1(0-0.5) Soil Sample	5983765
POM-S-6702-83-1(0-0.5) Soil Sample	5983766
POM-S-6702-85-1(0-0.5) Soil Sample	5983767
POM-S-6702-86-1(0-0.5) Soil Sample	5983768
POM-S-6702-87-1(0-0.5) Soil Sample	5983769
POM-S-6706-6.01-1(0-0.5) Unspiked Soil Sample	5983770
POM-S-6706-6.01-1(0-0.5)-MS Matrix Spike Soil	5983771
POM-S-6706-6.01-1(0-0.5)-MSD Matrix Spike Dup	5983772
POM-S-6706-6.01-1(0-0.5) Duplicate Soil Sample	5983773
POM-S-6706-6-1(0-0.5) Soil Sample	5983774
POM-S-6706-4-1(0-0.5) Soil Sample	5983775
POM-S-6706-3-1(0-0.5) Soil Sample	5983776
POM-S-6706-2-1(0-0.5) Soil Sample	5983777
POM-S-6706-6.01-1(0-0.5)-DUP Soil Sample	5983778

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

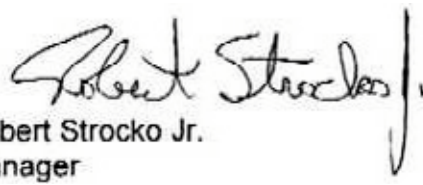
ELECTRONIC LLI

Attn: EDD Group

COPY TO
1 COPY TO Data Package Group

Questions? Contact your Client Services Representative
Nancy J Bornholm at (717) 656-2300 Ext. 1310

Respectfully Submitted,



Robert Strocko Jr.
Manager

Sample Description: POM-S-6702-78-1(0-0.5) Soil Sample
ABD SPRING SAMPLING 2010

LLI Sample # SW 5983761
LLI Group # 1195126
Account # 07032

Project Name: POM - ABD SPRING SAMPLING

Collected: 05/18/2010 12:12 by BA

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 05/19/2010 08:50

Reported: 05/24/2010 09:36

Discard: 06/24/2010

70278 SDG#: ABD55-01

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6020	mg/kg	mg/kg	mg/kg	
06135	Lead	7439-92-1	71.9	0.0452	0.302	2
	The matrix spike and matrix spike duplicate were out of specification for lead. The recovery of the post digestion spike performed on the background sample was 110%.					
		SW-846 7471A	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.455	0.0169	0.147	1
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	33.7	0.50	0.50	1
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.					

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06135	Lead	SW-846 6020	1	101406150001A	05/23/2010 14:44	David K Beck	2
00159	Mercury	SW-846 7471A	1	101405711002	05/22/2010 11:07	Nelli S Markaryan	1
06150	ICP/MS SW-846 Solid Digest	SW-846 3050B	1	101406150001	05/21/2010 19:54	Annamaria Stipkovits	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	101405711002	05/22/2010 00:50	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	10140820002B	05/20/2010 17:10	Scott W Freisher	1

Sample Description: POM-S-6702-79-1(0-0.5) Soil Sample
ABD SPRING SAMPLING 2010

LLI Sample # SW 5983762
LLI Group # 1195126
Account # 07032

Project Name: POM - ABD SPRING SAMPLING

Collected: 05/18/2010 12:30 by BA

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 05/19/2010 08:50

Reported: 05/24/2010 09:36

Discard: 06/24/2010

70279 SDG#: ABD55-02

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6020	mg/kg	mg/kg	mg/kg	
06135	Lead	7439-92-1	656	0.384	2.56	20
	The matrix spike and matrix spike duplicate were out of specification for lead. The recovery of the post digestion spike performed on the background sample was 110%.					
		SW-846 7471A	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.150	0.0146	0.127	1
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	23.4	0.50	0.50	1
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.					

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06135	Lead	SW-846 6020	1	101406150001A	05/23/2010 15:16	David K Beck	20
00159	Mercury	SW-846 7471A	1	101405711002	05/22/2010 11:08	Nelli S Markaryan	1
06150	ICP/MS SW-846 Solid Digest	SW-846 3050B	1	101406150001	05/21/2010 19:54	Annamaria Stipkovits	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	101405711002	05/22/2010 00:50	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	10140820002B	05/20/2010 17:10	Scott W Freisher	1



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-6702-80-1(0-0.5) Soil Sample
ABD SPRING SAMPLING 2010

LLI Sample # SW 5983763
LLI Group # 1195126
Account # 07032

Project Name: POM - ABD SPRING SAMPLING

Collected: 05/18/2010 12:35 by BA

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 05/19/2010 08:50
Reported: 05/24/2010 09:36
Discard: 06/24/2010

70280 SDG#: ABD55-03

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6020	mg/kg	mg/kg	mg/kg	
06135	Lead	7439-92-1	17.9	0.0328	0.219	2
	The matrix spike and matrix spike duplicate were out of specification for lead. The recovery of the post digestion spike performed on the background sample was 110%.					
		SW-846 7471A	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.0699 J	0.0122	0.106	1
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	11.2	0.50	0.50	1
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.					

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06135	Lead	SW-846 6020	1	101406150001A	05/23/2010 14:51	David K Beck	2
00159	Mercury	SW-846 7471A	1	101405711002	05/22/2010 11:10	Nelli S Markaryan	1
06150	ICP/MS SW-846 Solid Digest	SW-846 3050B	1	101406150001	05/21/2010 19:54	Annamaria Stipkovits	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	101405711002	05/22/2010 00:50	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	10140820002B	05/20/2010 17:10	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: POM-S-6702-81-1(0-0.5) Soil Sample
ABD SPRING SAMPLING 2010

LLI Sample # SW 5983764
LLI Group # 1195126
Account # 07032

Project Name: POM - ABD SPRING SAMPLING

Collected: 05/18/2010 12:45 by BA

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 05/19/2010 08:50

Reported: 05/24/2010 09:36

Discard: 06/24/2010

70281 SDG#: ABD55-04

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6020	mg/kg	mg/kg	mg/kg	
06135	Lead	7439-92-1	90.6	0.114	0.763	2
	The matrix spike and matrix spike duplicate were out of specification for lead. The recovery of the post digestion spike performed on the background sample was 110%.					
		SW-846 7471A	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.841	0.0429	0.374	1
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	74.3	0.50	0.50	1
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.					

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06135	Lead	SW-846 6020	1	101406150001A	05/23/2010 14:53	David K Beck	2
00159	Mercury	SW-846 7471A	1	101405711002	05/22/2010 11:11	Nelli S Markaryan	1
06150	ICP/MS SW-846 Solid Digest	SW-846 3050B	1	101406150001	05/21/2010 19:54	Annamaria Stipkovits	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	101405711002	05/22/2010 00:50	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	10140820002B	05/20/2010 17:10	Scott W Freisher	1

Sample Description: POM-S-6702-82-1(0-0.5) Soil Sample
ABD SPRING SAMPLING 2010

LLI Sample # SW 5983765
LLI Group # 1195126
Account # 07032

Project Name: POM - ABD SPRING SAMPLING

Collected: 05/18/2010 13:00 by BA

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 05/19/2010 08:50

Reported: 05/24/2010 09:36

Discard: 06/24/2010

70282 SDG#: ABD55-05

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
	SW-846 6020		mg/kg	mg/kg	mg/kg	
06135	Lead	7439-92-1	36.5	0.0495	0.330	2
	The matrix spike and matrix spike duplicate were out of specification for lead. The recovery of the post digestion spike performed on the background sample was 110%.					
	SW-846 7471A		mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.122 J	0.0186	0.162	1
Wet Chemistry						
	SM20 2540 G		%	%	%	
00111	Moisture	n.a.	39.4	0.50	0.50	1
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.					

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06135	Lead	SW-846 6020	1	101406150001A	05/23/2010 14:55	David K Beck	2
00159	Mercury	SW-846 7471A	1	101405711002	05/22/2010 11:12	Nelli S Markaryan	1
06150	ICP/MS SW-846 Solid Digest	SW-846 3050B	1	101406150001	05/21/2010 19:54	Annamaria Stipkovits	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	101405711002	05/22/2010 00:50	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	10140820002B	05/20/2010 17:10	Scott W Freisher	1

Sample Description: POM-S-6702-83-1(0-0.5) Soil Sample
ABD SPRING SAMPLING 2010

LLI Sample # SW 5983766
LLI Group # 1195126
Account # 07032

Project Name: POM - ABD SPRING SAMPLING

Collected: 05/18/2010 13:05 by BA

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 05/19/2010 08:50

Reported: 05/24/2010 09:36

Discard: 06/24/2010

70283 SDG#: ABD55-06

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6020	mg/kg	mg/kg	mg/kg	
06135	Lead	7439-92-1	123	0.0516	0.344	2
	The matrix spike and matrix spike duplicate were out of specification for lead. The recovery of the post digestion spike performed on the background sample was 110%.					
		SW-846 7471A	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	1.10	0.0192	0.167	1
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	42.4	0.50	0.50	1
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.					

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06135	Lead	SW-846 6020	1	101406150001A	05/23/2010 14:56	David K Beck	2
00159	Mercury	SW-846 7471A	1	101405711002	05/22/2010 11:16	Nelli S Markaryan	1
06150	ICP/MS SW-846 Solid Digest	SW-846 3050B	1	101406150001	05/21/2010 19:54	Annamaria Stipkovits	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	101405711002	05/22/2010 00:50	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	10140820002B	05/20/2010 17:10	Scott W Freisher	1



Analysis Report

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Sample Description: POM-S-6702-85-1(0-0.5) Soil Sample
ABD SPRING SAMPLING 2010

LLI Sample # SW 5983767
LLI Group # 1195126
Account # 07032

Project Name: POM - ABD SPRING SAMPLING

Collected: 05/18/2010 13:15 by BA

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 05/19/2010 08:50
Reported: 05/24/2010 09:36
Discard: 06/24/2010

70285 SDG#: ABD55-07

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6020	mg/kg	mg/kg	mg/kg	
06135	Lead	7439-92-1	103	0.0619	0.413	2
	The matrix spike and matrix spike duplicate were out of specification for lead. The recovery of the post digestion spike performed on the background sample was 110%.					
		SW-846 7471A	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.203	0.0228	0.199	1
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	52.0	0.50	0.50	1
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.					

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06135	Lead	SW-846 6020	1	101406150001A	05/23/2010 14:58	David K Beck	2
00159	Mercury	SW-846 7471A	1	101405711002	05/22/2010 11:17	Nelli S Markaryan	1
06150	ICP/MS SW-846 Solid Digest	SW-846 3050B	1	101406150001	05/21/2010 19:54	Annamaria Stipkovits	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	101405711002	05/22/2010 00:50	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	10140820002B	05/20/2010 17:10	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: POM-S-6702-86-1(0-0.5) Soil Sample
ABD SPRING SAMPLING 2010

LLI Sample # SW 5983768
LLI Group # 1195126
Account # 07032

Project Name: POM - ABD SPRING SAMPLING

Collected: 05/18/2010 13:20 by BA

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 05/19/2010 08:50

Reported: 05/24/2010 09:36

Discard: 06/24/2010

70286 SDG#: ABD55-08

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6020	mg/kg	mg/kg	mg/kg	
06135	Lead	7439-92-1	165	0.0569	0.380	2
	The matrix spike and matrix spike duplicate were out of specification for lead. The recovery of the post digestion spike performed on the background sample was 110%.					
		SW-846 7471A	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.315	0.0211	0.184	1
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	47.3	0.50	0.50	1
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.					

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06135	Lead	SW-846 6020	1	101406150001A	05/23/2010 15:00	David K Beck	2
00159	Mercury	SW-846 7471A	1	101405711002	05/22/2010 11:19	Nelli S Markaryan	1
06150	ICP/MS SW-846 Solid Digest	SW-846 3050B	1	101406150001	05/21/2010 19:54	Annamaria Stipkovits	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	101405711002	05/22/2010 00:50	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	10140820002B	05/20/2010 17:10	Scott W Freisher	1

Sample Description: POM-S-6702-87-1(0-0.5) Soil Sample
ABD SPRING SAMPLING 2010

LLI Sample # SW 5983769
LLI Group # 1195126
Account # 07032

Project Name: POM - ABD SPRING SAMPLING

Collected: 05/18/2010 13:27 by BA

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 05/19/2010 08:50

Reported: 05/24/2010 09:36

Discard: 06/24/2010

70287 SDG#: ABD55-09

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6020	mg/kg	mg/kg	mg/kg	
06135	Lead	7439-92-1	69.9	0.149	0.991	2
	The matrix spike and matrix spike duplicate were out of specification for lead. The recovery of the post digestion spike performed on the background sample was 110%.					
		SW-846 7471A	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.325 J	0.0562	0.490	1
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	80.6	0.50	0.50	1
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.					

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06135	Lead	SW-846 6020	1	101406150001A	05/23/2010 15:02	David K Beck	2
00159	Mercury	SW-846 7471A	1	101405711002	05/22/2010 11:20	Nelli S Markaryan	1
06150	ICP/MS SW-846 Solid Digest	SW-846 3050B	1	101406150001	05/21/2010 19:54	Annamaria Stipkovits	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	101405711002	05/22/2010 00:50	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	10140820002B	05/20/2010 17:10	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: POM-S-6706-6.01-1(0-0.5) Unspiked Soil Sample
ABD SPRING SAMPLING 2010

LLI Sample # SW 5983770
LLI Group # 1195126
Account # 07032

Project Name: POM - ABD SPRING SAMPLING

Collected: 05/18/2010 16:00 by BA

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URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 05/19/2010 08:50

Reported: 05/24/2010 09:36

Discard: 06/24/2010

70606 SDG#: ABD55-10BKG

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
	SW-846 6020		mg/kg	mg/kg	mg/kg	
06135	Lead	7439-92-1	39.8	0.0384	0.256	2
	The matrix spike and matrix spike duplicate were out of specification for lead. The recovery of the post digestion spike performed on the background sample was 110%.					
	SW-846 7471A		mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.0279 J	0.0146	0.127	1
Wet Chemistry						
	SM20 2540 G		%	%	%	
00111	Moisture	n.a.	21.9	0.50	0.50	1
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.					

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06135	Lead	SW-846 6020	1	101406150001A	05/23/2010 14:34	David K Beck	2
00159	Mercury	SW-846 7471A	1	101405711002	05/22/2010 11:21	Nelli S Markaryan	1
06150	ICP/MS SW-846 Solid Digest	SW-846 3050B	1	101406150001	05/21/2010 19:54	Annamaria Stipkovits	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	101405711002	05/22/2010 00:50	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	10140820002B	05/20/2010 17:10	Scott W Freisher	1

**Sample Description: POM-S-6706-6.01-1(0-0.5)-MS Matrix Spike Soil
ABD SPRING SAMPLING 2010**

**LLI Sample # SW 5983771
LLI Group # 1195126
Account # 07032**

Project Name: POM - ABD SPRING SAMPLING

Collected: 05/18/2010 16:00 by BA

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Submitted: 05/19/2010 08:50

Reported: 05/24/2010 09:36

Discard: 06/24/2010

70606 SDG#: ABD55-10MS

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
06135	Lead	SW-846 6020 7439-92-1	mg/kg 70.4	mg/kg 0.0384	mg/kg 0.256	2
The matrix spike and matrix spike duplicate were out of specification for lead. The recovery of the post digestion spike performed on the background sample was 110%.						
00159	Mercury	SW-846 7471A 7439-97-6	mg/kg 0.245	mg/kg 0.0139	mg/kg 0.121	1
Wet Chemistry						
00118	Moisture	SM20 2540 G n.a.	% 21.9	% 0.50	% 0.50	1

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06135	Lead	SW-846 6020	1	101406150001A	05/23/2010 14:39	David K Beck	2
00159	Mercury	SW-846 7471A	1	101405711002	05/22/2010 11:23	Nelli S Markaryan	1
06150	ICP/MS SW-846 Solid Digest	SW-846 3050B	1	101406150001	05/21/2010 19:54	Annamaria Stipkovits	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	101405711002	05/22/2010 00:50	Annamaria Stipkovits	1
00118	Moisture	SM20 2540 G	1	10140820002B	05/20/2010 17:10	Scott W Freisher	1

Sample Description: POM-S-6706-6.01-1(0-0.5)-MSD Matrix Spike Dup
 Soil Sample
 ABD SPRING SAMPLING 2010

LLI Sample # SW 5983772
 LLI Group # 1195126
 Account # 07032

Project Name: POM - ABD SPRING SAMPLING

Collected: 05/18/2010 16:00 by BA

CRG-E.I.DuPont de Nemours & Co

Submitted: 05/19/2010 08:50

URS Corporation

Reported: 05/24/2010 09:36

Iron Hill Corporate Center

Discard: 06/24/2010

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Newark DE 19713

70606 SDG#: ABD55-10MSD

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6020	mg/kg	mg/kg	mg/kg	
06135	Lead	7439-92-1	50.0	0.0384	0.256	2
	The matrix spike and matrix spike duplicate were out of specification for lead. The recovery of the post digestion spike performed on the background sample was 110%.					
		SW-846 7471A	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.253	0.0139	0.121	1
Wet Chemistry						
		SM20 2540 G	%	%	%	
00118	Moisture	n.a.	21.9	0.50	0.50	1

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06135	Lead	SW-846 6020	1	101406150001A	05/23/2010 14:41	David K Beck	2
00159	Mercury	SW-846 7471A	1	101405711002	05/22/2010 11:24	Nelli S Markaryan	1
06150	ICP/MS SW-846 Solid Digest	SW-846 3050B	1	101406150001	05/21/2010 19:54	Annamaria Stipkovits	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	101405711002	05/22/2010 00:50	Annamaria Stipkovits	1
00118	Moisture	SM20 2540 G	1	10140820002B	05/20/2010 17:10	Scott W Freisher	1

Sample Description: POM-S-6706-6.01-1(0-0.5) Duplicate Soil Sample
ABD SPRING SAMPLING 2010

LLI Sample # SW 5983773
LLI Group # 1195126
Account # 07032

Project Name: POM - ABD SPRING SAMPLING

Collected: 05/18/2010 16:00 by BA

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Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 05/19/2010 08:50
Reported: 05/24/2010 09:36
Discard: 06/24/2010

70606 SDG#: ABD55-10DUP

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6020	mg/kg	mg/kg	mg/kg	
06135	Lead	7439-92-1	43.4	0.0384	0.256	2
	The matrix spike and matrix spike duplicate were out of specification for lead. The recovery of the post digestion spike performed on the background sample was 110%.					
		SW-846 7471A	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.0276 J	0.0140	0.122	1
Wet Chemistry						
		SM20 2540 G	%	%	%	
00118	Moisture	n.a.	21.9	0.50	0.50	1
00121	Moisture Duplicate	n.a.	21.1	0.50	0.50	1
	The duplicate moisture value is provided to assess the precision of the moisture test. For comparability purposes, the initial moisture determination is the value used to perform dry weight calculations.					

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06135	Lead	SW-846 6020	1	101406150001A	05/23/2010 14:37	David K Beck	2
00159	Mercury	SW-846 7471A	1	101405711002	05/22/2010 11:22	Nelli S Markaryan	1
06150	ICP/MS SW-846 Solid Digest	SW-846 3050B	1	101406150001	05/21/2010 19:54	Annamaria Stipkovits	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	101405711002	05/22/2010 00:50	Annamaria Stipkovits	1
00118	Moisture	SM20 2540 G	1	10140820002B	05/20/2010 17:10	Scott W Freisher	1
00121	Moisture Duplicate	SM20 2540 G	1	10140820002B	05/20/2010 17:10	Scott W Freisher	1



Analysis Report

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Sample Description: POM-S-6706-6-1(0-0.5) Soil Sample
ABD SPRING SAMPLING 2010

LLI Sample # SW 5983774
LLI Group # 1195126
Account # 07032

Project Name: POM - ABD SPRING SAMPLING

Collected: 05/18/2010 16:20 by BA

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 05/19/2010 08:50
Reported: 05/24/2010 09:36
Discard: 06/24/2010

70661 SDG#: ABD55-11

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
06135	Lead	SW-846 6020 7439-92-1	mg/kg 81.4	mg/kg 0.0526	mg/kg 0.350	2
The matrix spike and matrix spike duplicate were out of specification for lead. The recovery of the post digestion spike performed on the background sample was 110%.						
00159	Mercury	SW-846 7471A 7439-97-6	mg/kg 0.237	mg/kg 0.0200	mg/kg 0.175	1
Wet Chemistry						
00111	Moisture	SM20 2540 G n.a.	% 44.6	% 0.50	% 0.50	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.						

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06135	Lead	SW-846 6020	1	101406150001A	05/23/2010 15:03	David K Beck	2
00159	Mercury	SW-846 7471A	1	101405711002	05/22/2010 11:26	Nelli S Markaryan	1
06150	ICP/MS SW-846 Solid Digest	SW-846 3050B	1	101406150001	05/21/2010 19:54	Annamaria Stipkovits	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	101405711002	05/22/2010 00:50	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	10140820002B	05/20/2010 17:10	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

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Sample Description: POM-S-6706-4-1(0-0.5) Soil Sample
ABD SPRING SAMPLING 2010

LLI Sample # SW 5983775
LLI Group # 1195126
Account # 07032

Project Name: POM - ABD SPRING SAMPLING

Collected: 05/18/2010 16:10 by BA

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URS Corporation
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4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 05/19/2010 08:50
Reported: 05/24/2010 09:36
Discard: 06/24/2010

70604 SDG#: ABD55-12

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
06135	Lead	SW-846 6020 7439-92-1	mg/kg 26.2	mg/kg 0.0347	mg/kg 0.231	2
The matrix spike and matrix spike duplicate were out of specification for lead. The recovery of the post digestion spike performed on the background sample was 110%.						
00159	Mercury	SW-846 7471A 7439-97-6	mg/kg 0.0377 J	mg/kg 0.0132	mg/kg 0.115	1
Wet Chemistry						
00111	Moisture	SM20 2540 G n.a.	% 15.2	% 0.50	% 0.50	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.						

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06135	Lead	SW-846 6020	1	101406150001A	05/23/2010 15:05	David K Beck	2
00159	Mercury	SW-846 7471A	1	101405711002	05/22/2010 11:27	Nelli S Markaryan	1
06150	ICP/MS SW-846 Solid Digest	SW-846 3050B	1	101406150001	05/21/2010 19:54	Annamaria Stipkovits	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	101405711002	05/22/2010 00:50	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	10140820002B	05/20/2010 17:10	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: POM-S-6706-3-1(0-0.5) Soil Sample
ABD SPRING SAMPLING 2010

LLI Sample # SW 5983776
LLI Group # 1195126
Account # 07032

Project Name: POM - ABD SPRING SAMPLING

Collected: 05/18/2010 16:38 by BA

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4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 05/19/2010 08:50

Reported: 05/24/2010 09:36

Discard: 06/24/2010

70603 SDG#: ABD55-13

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
	SW-846 6020		mg/kg	mg/kg	mg/kg	
06135	Lead	7439-92-1	193	0.0634	0.423	2
	The matrix spike and matrix spike duplicate were out of specification for lead. The recovery of the post digestion spike performed on the background sample was 110%.					
	SW-846 7471A		mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.403	0.0242	0.210	1
Wet Chemistry						
	SM20 2540 G		%	%	%	
00111	Moisture	n.a.	53.6	0.50	0.50	1
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.					

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06135	Lead	SW-846 6020	1	101406150001A	05/23/2010 15:07	David K Beck	2
00159	Mercury	SW-846 7471A	1	101405711002	05/22/2010 11:30	Nelli S Markaryan	1
06150	ICP/MS SW-846 Solid Digest	SW-846 3050B	1	101406150001	05/21/2010 19:54	Annamaria Stipkovits	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	101405711002	05/22/2010 00:50	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	10140820002B	05/20/2010 17:10	Scott W Freisher	1



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-6706-2-1(0-0.5) Soil Sample
ABD SPRING SAMPLING 2010

LLI Sample # SW 5983777
LLI Group # 1195126
Account # 07032

Project Name: POM - ABD SPRING SAMPLING

Collected: 05/18/2010 16:30 by BA

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 05/19/2010 08:50
Reported: 05/24/2010 09:36
Discard: 06/24/2010

70602 SDG#: ABD55-14

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
06135	Lead	SW-846 6020 7439-92-1	mg/kg 216	mg/kg 0.261	mg/kg 1.74	10
The matrix spike and matrix spike duplicate were out of specification for lead. The recovery of the post digestion spike performed on the background sample was 110%.						
00159	Mercury	SW-846 7471A 7439-97-6	mg/kg 0.544	mg/kg 0.0189	mg/kg 0.165	1
Wet Chemistry						
00111	Moisture	SM20 2540 G n.a.	% 43.0	% 0.50	% 0.50	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.						

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06135	Lead	SW-846 6020	1	101406150001A	05/23/2010 15:28	David K Beck	10
00159	Mercury	SW-846 7471A	1	101405711002	05/22/2010 11:31	Nelli S Markaryan	1
06150	ICP/MS SW-846 Solid Digest	SW-846 3050B	1	101406150001	05/21/2010 19:54	Annamaria Stipkovits	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	101405711002	05/22/2010 00:50	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	10140820002B	05/20/2010 17:10	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-6706-6.01-1(0-0.5)-DUP Soil Sample
ABD SPRING SAMPLING 2010

LLI Sample # SW 5983778
LLI Group # 1195126
Account # 07032

Project Name: POM - ABD SPRING SAMPLING

Collected: 05/18/2010 16:00 by BA

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 05/19/2010 08:50
Reported: 05/24/2010 09:36
Discard: 06/24/2010

7066D SDG#: ABD55-15FD*

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
	SW-846 6020		mg/kg	mg/kg	mg/kg	
06135	Lead	7439-92-1	53.2	0.0378	0.252	2
	The matrix spike and matrix spike duplicate were out of specification for lead. The recovery of the post digestion spike performed on the background sample was 110%.					
	SW-846 7471A		mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.0304 J	0.0140	0.122	1
Wet Chemistry						
	SM20 2540 G		%	%	%	
00111	Moisture	n.a.	21.5	0.50	0.50	1
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.					

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06135	Lead	SW-846 6020	1	101406150001A	05/23/2010 15:14	David K Beck	2
00159	Mercury	SW-846 7471A	1	101405711002	05/22/2010 11:33	Nelli S Markaryan	1
06150	ICP/MS SW-846 Solid Digest	SW-846 3050B	1	101406150001	05/21/2010 19:54	Annamaria Stipkovits	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	101405711002	05/22/2010 00:50	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	10140820002B	05/20/2010 17:10	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Quality Control Summary

 Client Name: CRG-E.I.DuPont de Nemours & Co
 Reported: 05/24/10 at 09:36 AM

Group Number: 1195126

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: 101405711002 Mercury	Sample number(s): 5983761-5983778								
	N.D.	0.0110	0.0960	mg/kg	90		68-133		
Batch number: 101406150001A Lead	Sample number(s): 5983761-5983778								
	N.D.	0.0300	0.200	mg/kg	115		80-120		
Batch number: 10140820002B Moisture	Sample number(s): 5983761-5983778								
Moisture					100		99-101		
Moisture Duplicate					100		99-101		

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
 Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>RPD MAX</u>	<u>BKG Conc</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>
Batch number: 101405711002 Mercury	Sample number(s): 5983761-5983778			UNSPK:	5983770	BKG:	5983770		
	108	112	80-120	3	20	0.0218 J	0.0216 J	1 (1)	20
Batch number: 101406150001A Lead	Sample number(s): 5983761-5983778			UNSPK:	5983770	BKG:	5983770		
	796 (2)	264 (2)	75-125	34*	20	31.1	33.9	8	20
Batch number: 10140820002B Moisture	Sample number(s): 5983761-5983778					BKG:	5983770		
Moisture						21.9	21.1	4	15
Moisture Duplicate						21.9	21.1	4	15

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

For Lancaster Laboratories Use Only

Group No.: 1195126 Sample Nos.: 5983761-78 17282 **16442**
 Acc't: 07032 SCR No.: 90629 Cooler No.:
 Cooler Temperature upon receipt: 3.0 °C Container No.: 1

Facility Name: Pompton Lakes			Project Manager: Marj Vetter				Analyses Required										Comments: 3 DAY TAT				
Facility Contact: Ron Kuhn			Facility Contact Phone No.: 315-247-9920																		
Facility Address: Pompton Lakes Works			Job No.: 9267-7720100C-WH06507906																		
2000 Cannonball Road			Release No.: LA29481																		
Pompton Lakes NJ 07442			PO Number: LBIO-66380																		
Sampler(s):																					
Project Name: ABD SPRING SAMPLING 2010																					
Sample Identification		Date Collected	Time Collected	Matrix	Containers			Hg (7471A)	Moisture (SM20 2540 G)	Pb (6020)											Condition upon receipt: <i>None</i>
					Volume (ml)	Preserv	No.														
POM-S-6702-78-1(0-0.5)		5/18	1212	SW	125	None	1	X	X	X											
POM-S-6702-79-1(0-0.5)		5/18	1230	SW	125	None	1	X	X	X											
POM-S-6702-80-1(0-0.5)		5/18	1235	SW	125	None	1	X	X	X											
POM-S-6702-81-1(0-0.5)		5/18	1245	SW	125	None	1	X	X	X											
POM-S-6702-82-1(0-0.5)		5/18	1300	SW	125	None	1	X	X	X											
POM-S-6702-83-1(0-0.5)		5/18	1305	SW	125	None	1	X	X	X											
POM-S-6702-85-1(0-0.5)		5/18	1315	SW	125	None	1	X	X	X											
POM-S-6702-86-1(0-0.5)		5/18	1320	SW	125	None	1	X	X	X											
POM-S-6702-87-1(0-0.5)		5/18	1327	SW	125	None	1	X	X	X											

Turnaround Time Requested (please circle): Normal Rush Number of days: <u>3</u>						Special Instructions:					
Bottles Relinquished by: <i>Ben McAllister</i>			Date: <u>5/18</u>	Time: <u>1730</u>	Bottles Received by:			Date:	Time:		
Bottles Relinquished by:			Date:	Time:	Bottles Received by:			Date:	Time:		
Bottles Relinquished by:			Date:	Time:	Bottles Received by:			Date:	Time:		
Bottles Relinquished by:			Date:	Time:	Bottles Received by: <i>[Signature]</i>			Date: <u>5/18</u>	Time: <u>0850</u>		

For Lancaster Laboratories Use Only

 Group No.: 1195126

 Sample Nos.: 5983761-78

Acc't: 07032

SCR No.: 90629

 Cooler No.: 17282
16443

 Cooler Temperature upon receipt: 3.0 °C

 Container No.: 1

Facility Name: Pompton Lakes		Project Manager: Marj Vetter			Analyses Required										Comments: 3 DAY TAT					
Facility Contact: Ron Kuhn		Facility Contact Phone No.: 315-247-9920																		
Facility Address: Pompton Lakes Works		Job No.: 9267-7720100C-WH06507906			Hg (7471A)	Moisture (SM20 2540 G)	Pb (6020)													
2000 Cannonball Road		Release No.: LA29481																		
Pompton Lakes NJ 07442		PO Number: LBIO-66380																		
Project Name: ABD SPRING SAMPLING 2010																				
Sample Identification		Date Collected	Time Collected	Matrix	Containers										Condition upon receipt: <i>Initial</i>					
					Volume (ml)	Preserv	No.													
POM-S-ISLAND-1(0-0.5)				SW	125	None	1	X	X	X										
POM-S-6706-7-1(0-0.5)		5/18		SW	125	None	1	X	X	X										
POM-S-6706-6.01-1(0-0.5)		5/18	1600	SW	125	None	1	X	X	X										
POM-S-6706-6-1(0-0.5)		5/18	1620	SW	125	None	1	X	X	X										
POM-S-6706-4-1(0-0.5)		5/18	1610	SW	125	None	1	X	X	X										
POM-S-6706-3-1(0-0.5)		5/18	1638	SW	125	None	1	X	X	X										
POM-S-6706-2-1(0-0.5)		5/18	1630	SW	125	None	1	X	X	X										
POM-S-6706-06.01-1 MS		5/18	1600	SW	125	None	1	X	X	X										
POM-S-6706-06.01-1 MSD		5/18	1600	SW	125	None	1	X	X	X										
POM-S-6706-06.01-1 Dup		5/18	1600	SW	125	None	1	X	X	X										
Turnaround Time Requested (please circle): <u>Rush</u> Normal		Number of days: <u>3</u>			Special Instructions:															
Bottles Relinquished by: <i>Ben McAllister</i>		Date:	5/18	Time:	1730	Bottles Received by:									Date:	Time:				
Bottles Relinquished by:		Date:		Time:		Bottles Received by:									Date:	Time:				
Bottles Relinquished by:		Date:		Time:		Bottles Received by:									Date:	Time:				
Bottles Relinquished by:		Date:		Time:		Bottles Received by:									Date:	Time:				

**Environmental Sample Administration
Receipt Documentation Log**

Client/Project: DuPont
 Date of Receipt: 5/19/10
 Time of Receipt: 0850
 Source Code: 50-1
 Unpacker Emp. No.: 1454

Shipping Container Sealed: YES NO
 Custody Seal Present * : YES NO
 * Custody seal was intact unless otherwise noted in the discrepancy section
 Package: Chilled Not Chilled

Temperature of Shipping Containers							
Cooler #	Thermometer ID	Temperature (°C)	Temp Bottle (TB) or Surface Temp (ST)	Wet Ice (WI) or Dry Ice (DI) or Ice Packs (IP)	Ice Present? Y/N	Loose (L) Bagged Ice (B) or NA	Comments
1	0499AS1	3.00	TB	WI	Y	L	
2							
3							
4							
5							
6							

Number of Trip Blanks received NOT listed on chain of custody: 0

Paperwork Discrepancy/Unpacking Problems:

Did not receive POM-S-6706-7-1(0-0.5)

Sample Administration Internal Chain of Custody			
Name	Date	Time	Reason for Transfer
<i>[Signature]</i>	5/19/10	1030	Unpacking
<i>Aimee H. Owen</i>	5/19/10	1100	Place in Storage or <input checked="" type="checkbox"/> Entry
			Entry
			Entry

Lancaster Laboratories Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

N.D.	none detected	BMQL	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	MPN	Most Probable Number
IU	International Units	CP Units	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	NTU	nephelometric turbidity units
C	degrees Celsius	F	degrees Fahrenheit
Cal	(diet) calories	lb.	pound(s)
meq	milliequivalents	kg	kilogram(s)
g	gram(s)	mg	milligram(s)
ug	microgram(s)	l	liter(s)
ml	milliliter(s)	ul	microliter(s)
m3	cubic meter(s)	fib >5 um/ml	fibers greater than 5 microns in length per ml
<	less than – The number following the sign is the <u>limit of quantitation</u> , the smallest amount of analyte which can be reliably determined using this specific test.		
>	greater than		
ppm	parts per million – One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.		
ppb	parts per billion		
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture.		

U.S. EPA data qualifiers:

Organic Qualifiers

A	TIC is a possible aldol-condensation product
B	Analyte was also detected in the blank
C	Pesticide result confirmed by GC/MS
D	Compound quantitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
J	Estimated value
N	Presumptive evidence of a compound (TICs only)
P	Concentration difference between primary and confirmation columns >25%
U	Compound was not detected
X,Y,Z	Defined in case narrative

Inorganic Qualifiers

B	Value is <CRDL, but ≥IDL
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike amount not within control limits
S	Method of standard additions (MSA) used for calculation
U	Compound was not detected
W	Post digestion spike out of control limits
*	Duplicate analysis not within control limits
+	Correlation coefficient for MSA <0.995

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

WARRANTY AND LIMITS OF LIABILITY – In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL LANCASTER LABORATORIES BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF LANCASTER LABORATORIES AND (B) WHETHER LANCASTER LABORATORIES HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Lancaster Laboratories which includes any conditions that vary from the Standard Terms and Conditions of Lancaster Laboratories and we hereby object to any conflicting terms contained in any acceptance or order submitted by client.

ANALYTICAL RESULTS

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

Prepared for:

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

May 26, 2010

Project: POM - ABD SPRING SAMPLING

Submittal Date: 05/21/2010

Group Number: 1195699

PO Number: LBIO-66380

Release Number: LA29481

State of Sample Origin: NJ

Client Sample DescriptionPOM-S-ISLAND-1(0-0.5) Grab Soil Sample
POM-S-6706-7-1(0-0.5) Grab Soil SampleLancaster Labs (LLI) #5987856
5987857


The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

ELECTRONIC LLI
COPY TO
1 COPY TO Data Package Group

Attn: EDD Group

Questions? Contact your Client Services Representative
Nancy J Bornholm at (717) 656-2300 Ext. 1310

Respectfully Submitted,



Robert Strocko Jr.
Manager

Sample Description: POM-S-ISLAND-1(0-0.5) Grab Soil Sample
ABD SHORELINE SAMPLING 2010

LLI Sample # SW 5987856
LLI Group # 1195699
Account # 07032

Project Name: POM - ABD SPRING SAMPLING

Collected: 05/20/2010 09:40 by RK

CRG-E.I.DuPont de Nemours & Co
 URS Corporation
 Iron Hill Corporate Center
 4051 Ogletown Road, Suite 300
 Newark DE 19713

Submitted: 05/21/2010 19:38

Reported: 05/26/2010 14:01

Discard: 06/26/2010

ISLND SDG#: ABD64-01

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
	SW-846 6020		mg/kg	mg/kg	mg/kg	
06135	Lead	7439-92-1	184	0.135	0.897	2
	The matrix spike and matrix spike duplicate were out of specification for lead. The recovery of the post digestion spike performed on the background sample was 91%.					
	SW-846 7471A		mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	1.97	0.0502	0.437	1
Wet Chemistry						
	SM20 2540 G		%	%	%	
00111	Moisture	n.a.	77.7	0.50	0.50	1
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.					

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06135	Lead	SW-846 6020	1	101446150001A	05/25/2010 10:28	Choon Y Tian	2
00159	Mercury	SW-846 7471A	1	101445711005	05/25/2010 11:45	Damary Valentin	1
06150	ICP/MS SW-846 Solid Digest	SW-846 3050B	1	101446150001	05/24/2010 21:26	Annamaria Stipkovits	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	101445711005	05/25/2010 02:00	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	10144820004B	05/24/2010 17:44	Scott W Freisher	1

Sample Description: POM-S-6706-7-1(0-0.5) Grab Soil Sample
ABD SHORELINE SAMPLING 2010

LLI Sample # SW 5987857
LLI Group # 1195699
Account # 07032

Project Name: POM - ABD SPRING SAMPLING

Collected: 05/20/2010 09:30 by RK

CRG-E.I.DuPont de Nemours & Co
 URS Corporation
 Iron Hill Corporate Center
 4051 Ogletown Road, Suite 300
 Newark DE 19713

Submitted: 05/21/2010 19:38
 Reported: 05/26/2010 14:01
 Discard: 06/26/2010

67067 SDG#: ABD64-02

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6020	mg/kg	mg/kg	mg/kg	
06135	Lead	7439-92-1	342	0.171	1.14	2
	The matrix spike and matrix spike duplicate were out of specification for lead. The recovery of the post digestion spike performed on the background sample was 91%.					
		SW-846 7471A	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	1.25	0.0638	0.556	1
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	82.5	0.50	0.50	1
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.					

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06135	Lead	SW-846 6020	1	101446150001A	05/25/2010 10:38	Choon Y Tian	2
00159	Mercury	SW-846 7471A	1	101445711005	05/25/2010 11:46	Damary Valentin	1
06150	ICP/MS SW-846 Solid Digest	SW-846 3050B	1	101446150001	05/24/2010 21:26	Annamaria Stipkovits	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	101445711005	05/25/2010 02:00	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	10144820004B	05/24/2010 17:44	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Quality Control Summary

 Client Name: CRG-E.I.DuPont de Nemours & Co
 Reported: 05/26/10 at 02:01 PM

Group Number: 1195699

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: 101445711005 Mercury	Sample number(s): 5987856-5987857 N.D.			0.0111	0.0963	mg/kg	93	68-133	
Batch number: 101446150001A Lead	Sample number(s): 5987856-5987857 N.D.			0.0300	0.200	mg/kg	103	80-120	
Batch number: 10144820004B Moisture	Sample number(s): 5987856-5987857						100	99-101	

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
 Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>RPD MAX</u>	<u>BKG Conc</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>					
Batch number: 101445711005 Mercury	Sample number(s): 5987856-5987857 UNSPK: P987845 BKG: P987845					91	95	80-120	4	20	0.0233 J	0.0325 J	33* (1)	20
Batch number: 101446150001A Lead	Sample number(s): 5987856-5987857 UNSPK: 5987856 BKG: 5987856					629 (2)	330 (2)	75-125	16	20	41.0	47.6	15	20
Batch number: 10144820004B Moisture	Sample number(s): 5987856-5987857 BKG: P987845										40.0	39.2	2	15

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

0001 7032 grp 1195699 # 5987856-57



CHAIN OF CUSTODY LABORATORY ANALYSIS REQUEST FORM

Lab Work Order #

Send Results to:	Contact & Company Name: Ron Kuhn/ARCADIS	Telephone: 315-247-9920	Preservative: E	E						Keys Preservation Key: A. H2SO4 B. HCL C. HNO3 D. NaOH E. None Container Information Key: 1. 40 mL Vial 2. 1 L Amber 3. 250 mL Plastic 4. 500 mL Plastic 5. Encore 6. 2 oz. Glass 7. 4 oz. Glass 8. 8 oz. Glass 9. 125 mL Plastic 10. 4 oz. Amber Matrix Key: SO- Soil SE- Sediment NL- NAP/LOI W- Water SL- Sludge SW- Sample Wipe T- Tissue A- Air				
	Address: 6723 Towpath Rd.	Fax:	Filtered (✓)								PARAMETER ANALYSIS & METHOD <i>Total Mercury (Method 7470)**</i> <i>Lead (6020)</i>			
	City State Zip Syracuse, NY 13214	E-mail Address: ronald.kuhn@arcadis-us.com	# of Containers 1 1											
	Project Name/Location (City, State): Acid Brook Delta, Pompton Lakes, NJ	Project #: B0042322.0002.00002												
	Sampler's Printed Name: Ron Kuhn	Sampler's Signature: <i>[Signature]</i>												
Sample ID	Collection Date	Time	Type Comp Grab		Matrix					REMARKS <i>Temp 1.8-4.8°C</i>				
POM-S-ISLAND-1(0.0-0.5)	05/20/10	940		X	SO	X	X							
POM-S-6706-7-1(0.0-0.5)	05/20/10	930		X	SO	X	X							
Special Instructions/Comments: 72 HOUR Turnaround						<input type="checkbox"/> Special QA/QC instructions (✓)								
Laboratory Information and Receipt			Relinquished By			Received By			Relinquished By			Laboratory Received By		
Lab Name: Lancaster Labs	Cooler Custody Seal (✓)		Printed Name: <i>Ron Kuhn</i>			Printed Name:			Printed Name:			Printed Name: <i>Wesley Miller</i>		
<input checked="" type="checkbox"/> Cooler packed with ice (✓)	<input checked="" type="checkbox"/> Intact <input type="checkbox"/> Not Intact		Signature: <i>[Signature]</i>			Signature:			Signature:			Signature: <i>[Signature]</i>		
Specify Turnaround Requirements: 72 HR.	Sample Receipt:		Firm: ARCADIS			Firm:			Firm:			Firm: LLI		
Shipping Tracking #: COURIER	Condition/Cooler Temp: <i>intact 2.2°C</i>		Date/Time: 5/21/10 1200			Date/Time:			Date/Time:			Date/Time: 5/21/10 1938		

Environmental Sample Administration Receipt Documentation Log

Client/Project: Arcadis
 Date of Receipt: 5/21/10
 Time of Receipt: 1938
 Source Code: 01
 Unpacker Emp. No.: 2308

Shipping Container Sealed: YES NO

Custody Seal Present * : YES NO

* Custody seal was intact unless otherwise noted in the discrepancy section

Package: Chilled Not Chilled

Temperature of Shipping Containers

Cooler #	Thermometer ID	Temperature (°C)	Temp Bottle (TB) or Surface Temp (ST)	Wet Ice (WI) or Dry Ice (DI) or Ice Packs (IP)	Ice Present? Y/N	Loose (L) Bagged Ice (B) or NA	Comments
1	0429951	2.6°	TB	WI	Y	B	
2	↓	2.2°	↓	↓	↓	↓	
3	↓	4.8°	↓	↓	↓	↓	
4	↓	1.8°	↓	↓	↓	↓	
5							
6							

Number of Trip Blanks received NOT listed on chain of custody: 0

Paperwork Discrepancy/Unpacking Problems:

Sample Administration Internal Chain of Custody

Name	Date	Time	Reason for Transfer
<u>[Signature]</u>	<u>5/21/10</u>	<u>2012</u>	<u>Unpacking to storage</u>
<u>[Signature]</u>	<u>5/21/10</u>	<u>2051</u>	<u>Place in Storage or Entry</u>
			<u>Entry</u>
			<u>Entry</u>

Lancaster Laboratories Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

N.D.	none detected	BMQL	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	MPN	Most Probable Number
IU	International Units	CP Units	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	NTU	nephelometric turbidity units
C	degrees Celsius	F	degrees Fahrenheit
Cal	(diet) calories	lb.	pound(s)
meq	milliequivalents	kg	kilogram(s)
g	gram(s)	mg	milligram(s)
ug	microgram(s)	l	liter(s)
ml	milliliter(s)	ul	microliter(s)
m3	cubic meter(s)	fib >5 um/ml	fibers greater than 5 microns in length per ml
<	less than – The number following the sign is the <u>limit of quantitation</u> , the smallest amount of analyte which can be reliably determined using this specific test.		
>	greater than		
ppm	parts per million – One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.		
ppb	parts per billion		
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture.		

U.S. EPA data qualifiers:

Organic Qualifiers

A	TIC is a possible aldol-condensation product
B	Analyte was also detected in the blank
C	Pesticide result confirmed by GC/MS
D	Compound quantitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
J	Estimated value
N	Presumptive evidence of a compound (TICs only)
P	Concentration difference between primary and confirmation columns >25%
U	Compound was not detected
X,Y,Z	Defined in case narrative

Inorganic Qualifiers

B	Value is <CRDL, but ≥IDL
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike amount not within control limits
S	Method of standard additions (MSA) used for calculation
U	Compound was not detected
W	Post digestion spike out of control limits
*	Duplicate analysis not within control limits
+	Correlation coefficient for MSA <0.995

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

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ANALYTICAL RESULTS

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

Prepared for:

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

June 08, 2010

Project: POM - ABD SHORELINE SAMPLING

Submittal Date: 05/28/2010

Group Number: 1196633

PO Number: LBIO-66380

Release Number: LA29481

State of Sample Origin: NJ

Client Sample Description

POM-S-6702-75-1(0.0-0.5) Grab Soil Sample

Lancaster Labs (LLI) #

5993472

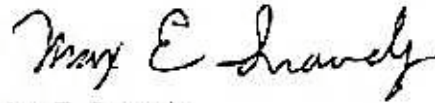
The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

ELECTRONIC LLI
COPY TO
1 COPY TO Data Package Group

Attn: EDD Group

Questions? Contact your Client Services Representative
Nancy J Bornholm at (717) 656-2300 Ext. 1310

Respectfully Submitted,



Max E. Snavely
Senior Specialist



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-6702-75-1(0.0-0.5) Grab Soil Sample
 ABD SHORELINE SAMPLING 2010

LLI Sample # SW 5993472
 LLI Group # 1196633
 Account # 07032

Project Name: POM - ABD SHORELINE SAMPLING

Collected: 05/27/2010 11:15 by RK

CRG-E.I.DuPont de Nemours & Co
 URS Corporation
 Iron Hill Corporate Center
 4051 Ogletown Road, Suite 300
 Newark DE 19713

Submitted: 05/28/2010 19:42
 Reported: 06/08/2010 12:30
 Discard: 07/09/2010

751-0 SDG#: ABD67-01

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
	SW-846 6020		mg/kg	mg/kg	mg/kg	
06135	Lead	7439-92-1	67.2	0.0326	0.217	2
	The matrix spike and matrix spike duplicate were out of specification for lead. The recovery of the post digestion spike performed on the background sample was 95%.					
	SW-846 7471A		mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.230	0.0129	0.112	1
Wet Chemistry						
	SM20 2540 G		%	%	%	
00111	Moisture	n.a.	11.4	0.50	0.50	1
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.					

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06135	Lead	SW-846 6020	1	101526150001A	06/03/2010 14:15	Choon Y Tian	2
00159	Mercury	SW-846 7471A	1	101525711001	06/02/2010 19:41	Nelli S Markaryan	1
06150	ICP/MS SW-846 Solid Digest	SW-846 3050B	1	101526150001	06/01/2010 20:40	Mirit S Shenouda	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	101525711001	06/02/2010 01:25	Mirit S Shenouda	1
00111	Moisture	SM20 2540 G	1	10152820001A	06/01/2010 18:44	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Quality Control Summary

 Client Name: CRG-E.I.DuPont de Nemours & Co
 Reported: 06/08/10 at 12:30 PM

Group Number: 1196633

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: 101525711001 Mercury	Sample number(s): 5993472 N.D. 0.0113 0.0986			mg/kg	90		68-133		
Batch number: 101526150001A Lead	Sample number(s): 5993472 N.D. 0.0291 0.194			mg/kg	110		80-120		
Batch number: 10152820001A Moisture	Sample number(s): 5993472				100		99-101		

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
 Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>RPD MAX</u>	<u>BKG Conc</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>
Batch number: 101525711001 Mercury	Sample number(s): 5993472 UNSPK: P993464 BKG: P993464 99 94 80-120 4 20					0.0290 J	0.0231 J	22* (1)	20
Batch number: 101526150001A Lead	Sample number(s): 5993472 UNSPK: 5993472 BKG: 5993472 153 (2) -137 (2) 75-125 15 20					59.6	53.2	11	20
Batch number: 10152820001A Moisture	Sample number(s): 5993472 BKG: P993464					57.9	73.4	24*	15

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

amt 7032 gmp 1196633 # 5993472



CHAIN OF CUSTODY LABORATORY ANALYSIS REQUEST FORM

Lab Work Order #

Send Results to:	Contact & Company Name: Ron Kuhn/ARCADIS	Telephone: 315-247-9920	Preservative	E	E							Keys Preservation Key: A. H2SO4 B. HCL C. HNO3 D. NaOH E. None F. G. H. Matrix Key: SO- Soil W- Water T- Tissue Container Information Key: 1. 40 mL Vial 2. 1 L Amber 3. 250 mL Plastic 4. 500 mL Plastic 5. Encore 6. 2 oz. Glass 7. 4 oz. Glass 8. 8 oz. Glass 9. 125 mL Plastic 10. 4 oz. Amber SE- Sediment SL- Sludge A- Air NL- NAPL/Oil SW- Sample Wipe		
	Address: 6723 Towpath Rd.	Fax:	Filtered (✓)											
	City State Zip Syracuse, NY 13214	E-mail Address: ronald.kuhn@arcadis-us.com	PARAMETER ANALYSIS & METHOD											
	Project Name/Location (City, State): AB Shoreline Sampling 2010	Project #: B0042322.0002.00002	Total Mercury (Method 7470) / Lead (8020)											
	Sampler's Printed Name: Ron Kuhn	Sampler's Signature: <i>[Signature]</i>												
Sample ID	Collection Date Time	Type Comp Grab	Matrix											
POM-S-6702-75-1(0.0-0.5)	05/27/10 1115	X	SO	X	X									
REMARKS <i>temp 5.0°C</i>														
Special Instructions/Comments: 72 HOUR Turnaround						Special QA/QC Instructions (✓)								
Laboratory Information and Receipt			Relinquished By			Received By			Relinquished By			Laboratory Received By		
Lab Name: Lancaster Labs	Cooler Custody Seal (✓)		Printed Name: Ron Kuhn			Printed Name:			Printed Name:			Printed Name: <i>Katie Hartlove</i>		
<input checked="" type="checkbox"/> Cooler packed with ice (✓)	<input type="checkbox"/> Intact <input type="checkbox"/> Not Intact		Signature: <i>[Signature]</i>			Signature: <i>[Signature]</i>			Signature: <i>[Signature]</i>			Signature: <i>[Signature]</i>		
Specify Turnaround Requirements: 72 HR.	Sample Receipt:		Firm: Arcadis			Firm:			Firm:			Firm: <i>LL</i>		
Shipping Tracking #: courier	Condition/Cooler Temp:		Date/Time: <i>5/28/10 1200</i>			Date/Time:			Date/Time:			Date/Time: <i>5/28/10 19:42</i>		

Environmental Sample Administration Receipt Documentation Log

Client/Project: Arcadis
 Date of Receipt: 5/28/10
 Time of Receipt: 19:42
 Source Code: 01
 Unpacker Emp. No.: 2114

Shipping Container Sealed: YES NO
 Custody Seal Present * : YES NO

* Custody seal was intact unless otherwise noted in the discrepancy section

Package: Chilled Not Chilled

Temperature of Shipping Containers							
Cooler #	Thermometer ID	Temperature (°C)	Temp Bottle (TB) or Surface Temp (ST)	Wet Ice (WI) or Dry Ice (DI) or Ice Packs (IP)	Ice Present? Y/N	Loose (L) Bagged Ice (B) or NA	Comments
1	9422	5.0	tb	WI	Y	B	
2							
3							
4							
5							
6							

Number of Trip Blanks received NOT listed on chain of custody. 0

Paperwork Discrepancy/Unpacking Problems:

Sample Administration Internal Chain of Custody			
Name	Date	Time	Reason for Transfer
<i>Marie Hanfland</i>	5/28/10	20:25	Unpacking to Storage
<i>Travis Bedard</i>	5/28/10	20:49	Place in Storage or Entry
			Entry
			Entry

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

RL	Reporting Limit	BMQL	Below Minimum Quantitation Level
N.D.	none detected	MPN	Most Probable Number
TNTC	Too Numerous To Count	CP Units	cobalt-chloroplatinate units
IU	International Units	NTU	nephelometric turbidity units
umhos/cm	micromhos/cm	ng	nanogram(s)
C	degrees Celsius	F	degrees Fahrenheit
meq	milliequivalents	lb.	pound(s)
g	gram(s)	kg	kilogram(s)
ug	microgram(s)	mg	milligram(s)
ml	milliliter(s)	l	liter(s)
m3	cubic meter(s)	ul	microliter(s)
<	less than - The number following the sign is the <u>limit of quantitation</u> , the smallest amount of analyte which can be reliably determined using this specific test.		
>	greater than		
J	estimated value – The result is \geq the Method Detection Limit (MDL) and $<$ the Limit of Quantitation (LOQ).		
ppm	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.		
ppb	parts per billion		
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.		

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers	Inorganic Qualifiers
A TIC is a possible aldol-condensation product	B Value is $<$ CRDL, but \geq IDL
B Analyte was also detected in the blank	E Estimated due to interference
C Pesticide result confirmed by GC/MS	M Duplicate injection precision not met
D Compound quantitated on a diluted sample	N Spike sample not within control limits
E Concentration exceeds the calibration range of the instrument	S Method of standard additions (MSA) used for calculation
N Presumptive evidence of a compound (TICs only)	U Compound was not detected
P Concentration difference between primary and confirmation columns $>$ 25%	W Post digestion spike out of control limits
U Compound was not detected	* Duplicate analysis not within control limits
X,Y,Z Defined in case narrative	+ Correlation coefficient for MSA $<$ 0.995

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

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**DUPONT POMPTON LAKES WORKS
DELTA UPLANDS SPRING SAMPLING 2010**

POMPTON LAKES, NJ

June 29, 2010

Prepared for

Marjorie Vetter, Parsons

Prepared by

DuPont CRG
Laboratory Services – Candia A. Carle
URS Corporation
Newark, Delaware

Memorandum

DATE: June 29, 2010

TO: Marjorie Vetter

FROM: Candia A. Carle

RE: DELTA UPLANDS SPRING SAMPLING 2010, POMPTON LAKES WORKS, POMPTON LAKES, NJ

Enclosed is the final data report for the Delta Uplands Spring Sampling 2010 samples collected at the Pompton Lakes Work site. Samples were collected on May 14, 25, 26, and June 10 and 15, 2010 for the analytical method references summarized in the table below:

Analysis	Method Reference
Metals – Pb, Hg, Se	SW 846 6010B/6020/7470A/7471A
Moisture	SM 2540G

Sample Receipt

Samples were received at Lancaster Laboratories, Lancaster, PA, on May 14, 26 and June 11 and 16, 2010. All samples were received in satisfactory condition and within the EPA temperature guidelines.

Sample and Field Information

Samples collected on 5/14/10 were originally identified in the “Matrix” column on the chain as sediment (“SE”). Although the sample ID included the “S” for sample type soil, the lab logged the samples in using the sample type “E” (sediment). The chain was corrected to indicate “SO” (soil) in the matrix column and re-submitted to the lab where the IDs were correctly changed to include the type “S”.

Data Review

The electronic data submitted for this sampling event was reviewed via the automated DuPont Data Review (DDR) process.

No major QC exceptions were noted during the review.

Positive results between the method detection limit (MDL) and quantitation limit, not otherwise qualified, were qualified J and should be considered to be estimated values.

Please refer to the DDR Narrative Report for specific data qualification.

The Lancaster Laboratories data reports are included in this report as an attachment. Please do not hesitate to contact me if you have any questions regarding this report.

DuPont In-House Review (DDR)

The DDR is an automated internal review process used by the ADQM group to determine if the data is usable. The data is run through this automated program where a series of checks are performed on the data. The data is evaluated against hold time criteria, checked for blank contamination, assessed against matrix spike(MS)/matrix spike duplicate (MSD) recoveries, assessed against relative percent differences (RPDs) between these samples, assessed against laboratory control sample(LCS)/control sample duplicate (LCSD) recoveries, assessed against RPDs between these samples, assessed against RPDs between laboratory replicates, and assessed against surrogate spike recoveries. The DDR applies the following data qualifiers to analysis results, as warranted:

Qualifier	Definition
B	Not detected substantially above the level reported in the laboratory or field blanks.
R	Unusable result. Analyte may or may not be present in the sample.
J	Analyte present. Reported value may not be accurate or precise.
UJ	Not detected. Reporting limit may not be accurate or precise.

Corporate Environmental Database
DDR Narrative Report

Site: POM - POMPTON LAKES WORKS

6/28/2010 15:49:00

Project: DELTA UPLANDS SPRING 2010

Page 1 of 1

Reporting Limit: MDL

DDR Standards LABSTATS

The reported result is greater than/equal to the MDL and less than the PQL; it should be considered an estimated value.

Sample ID	Date Sampled	Lab ID	Analyte	Result	Units	MDL	PQL	Qual	Analytical Methods		
									Analysis	Preprep-	Prep-
POM-S-536-348(0.0-0.5)	5/14/2010	5980920-SE FS	SELENIUM	1.36	MG/K	1.20	2.45	J	6010B		3050B
POM-S-536-358(0.0-0.5)	6/15/2010	6009072-SE FS	SELENIUM	6.24	MG/K	4.45	9.08	J	6010B		3050B

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Reporting Limit: MDL

Analyte/Parameter	Result	Qualifiers		Unit	Detection Limit		Analytical Methods		
		LAB	DDR		MDL	PQL	Analysis	Preprep-	Prep-
Sampling Point: 536-347 Date sampled: May 14, 2010				Sampleno: POM-S-536-347(0.0-0.5) Sample type: Soil					
MOISTURE	79.8			%	0.50	0.50	SM 2540 G		
SELENIUM	12.6			MG/KG	4.85	9.90	6010B		3050B
Sampling Point: 536-348 Date sampled: May 14, 2010				Sampleno: POM-S-536-348(0.0-0.5) Sample type: Soil					
MOISTURE	21.5			%	0.50	0.50	SM 2540 G		
SELENIUM	1.36	J	J	MG/KG	1.20	2.45	6010B		3050B
Sampling Point: 536-349 Date sampled: May 25, 2010				Sampleno: POM-S-536-349(1.0-1.5) Sample type: Soil					
LEAD	157			MG/KG	0.672	1.68	6010B		3050B
MOISTURE	10.7			%	0.50	0.50	SM 2540 G		
Sampling Point: 536-350 Date sampled: May 25, 2010				Sampleno: POM-S-536-350(4.0-4.5) Sample type: Soil					
LEAD	233			MG/KG	0.632	1.58	6010B		3050B
MOISTURE	5.0			%	0.50	0.50	SM 2540 G		
Sampling Point: 536-351 Date sampled: May 25, 2010				Sampleno: POM-S-536-351(3.0-3.5) Sample type: Soil					
LEAD	138			MG/KG	0.626	1.56	6010B		3050B
MOISTURE	5.1			%	0.50	0.50	SM 2540 G		
Sampling Point: 536-358 Date sampled: Jun 15, 2010				Sampleno: POM-S-536-358(0.0-0.5) Sample type: Soil					
MOISTURE	78.4			%	0.50	0.50	SM 2540 G		
SELENIUM	6.24	J	J	MG/KG	4.45	9.08	6010B		3050B
Sampling Point: 536-302D Date sampled: Jun 10, 2010				Sampleno: POM-S-536-302D(8.0-8.5) Sample type: Soil					
MERCURY	0.733			MG/KG	0.0167	0.145	7471A		7471A MOD.
MOISTURE	31.2			%	0.50	0.50	SM 2540 G		
Sampling Point: 536-356 Date sampled: May 25, 2010				Sampleno: POM-S-536-356(6.0-6.5) Sample type: Soil					
LEAD	469			MG/KG	0.811	2.03	6010B		3050B
MERCURY	491			MG/KG	15.4	134	7471A		7471A MOD.
MOISTURE	26.0			%	0.50	0.50	SM 2540 G		
Sampling Point: 536-356 Date sampled: May 25, 2010				Sampleno: POM-S-536-356(6.5-7.0) Sample type: Soil					
LEAD	1560			MG/KG	1.05	2.61	6010B		3050B
MERCURY	899			MG/KG	20.4	178	7471A		7471A MOD.

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Analyte/Parameter	Result	Qualifiers		Unit	Detection Limit		Analytical Methods		
		LAB	DDR		MDL	PQL	Analysis	Preprep-	Prep-
Sampling Point: 536-356		Sampleno:	POM-S-536-356(6.5-7.0)						
Date sampled: May 25, 2010		Sample type:	Soil						
MOISTURE	44.3			%	0.50	0.50	SM 2540 G		
Sampling Point: 536-356		Sampleno:	POM-S-536-356(7.0-7.5)						
Date sampled: Jun 10, 2010		Sample type:	Soil						
LEAD	4.10			MG/KG	0.0348	0.232	6020	3050B	
MERCURY	0.453			MG/KG	0.0132	0.115	7471A	7471A MOD.	
MOISTURE	17.2			%	0.50	0.50	SM 2540 G		
Sampling Point: 536-357		Sampleno:	POM-S-536-357(6.0-6.5)						
Date sampled: Jun 10, 2010		Sample type:	Soil						
LEAD	6.19			MG/KG	0.0371	0.248	6020	3050B	
MERCURY	0.318			MG/KG	0.0134	0.117	7471A	7471A MOD.	
MOISTURE	20.0			%	0.50	0.50	SM 2540 G		

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Location: 536-356-FBLK

Field Sample ID: POM-K-536-356-FBLK

Date Sampled: 5/26/2010 13:00:00

Sample Type: Blank Water

Lab Sample ID: 5990724-HG FB

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MERCURY	< 0.000056	U		MG/L	1	0.00020	0.000056	06/02/10	7470A		METHOD
LEAD	< 0.0069	U		MG/L	1	0.0150	0.0069	06/03/10	6010B		3010A

Location: 536-350

Field Sample ID: POM-S-536-350(4.0-4.5)

Date Sampled: 5/25/2010 13:30:00

Sample Type: Soil

Lab Sample ID: 5990719-MOIST FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MOISTURE	5.0			%	1	0.50	0.50	05/28/10	SM 2540 G		
LEAD	233			MG/KG	1	1.58	0.632	05/31/10	6010B		3050B

Location: 536-349

Field Sample ID: POM-S-536-349(1.0-1.5)

Date Sampled: 5/25/2010 14:00:00

Sample Type: Soil

Lab Sample ID: 5990720-MOIST FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MOISTURE	10.7			%	1	0.50	0.50	05/28/10	SM 2540 G		
LEAD	157			MG/KG	1	1.68	0.672	05/31/10	6010B		3050B

Location: 536-356

Field Sample ID: POM-S-536-356(6.0-6.5)

Date Sampled: 5/25/2010 16:00:00

Sample Type: Soil

Lab Sample ID: 5990721-HG FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MERCURY	491			MG/KG	1000	134	15.4	05/28/10	7471A		7471A MOD.
MOISTURE	26.0			%	1	0.50	0.50	05/28/10	SM 2540 G		
LEAD	469			MG/KG	1	2.03	0.811	05/31/10	6010B		3050B

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Location: 536-356

Field Sample ID: POM-S-536-356(6.5-7.0)

Date Sampled: 5/25/2010 16:00:00

Sample Type: Soil

Lab Sample ID: 5990722-HG FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MERCURY	899			MG/KG	1000	178	20.4	05/28/10	7471A		7471A MOD.
MOISTURE	44.3			%	1	0.50	0.50	05/28/10	SM 2540 G		
LEAD	1560			MG/KG	1	2.61	1.05	05/31/10	6010B		3050B

Location: 536-351

Field Sample ID: POM-S-536-351(3.0-3.5)

Date Sampled: 5/25/2010 13:40:00

Sample Type: Soil

Lab Sample ID: 5990723-MOIST FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MOISTURE	5.1			%	1	0.50	0.50	05/28/10	SM 2540 G		
LEAD	138			MG/KG	1	1.56	0.626	05/31/10	6010B		3050B

Location: 536-347

Field Sample ID: POM-S-536-347(0.0-0.5)

Date Sampled: 5/14/2010 10:30:00

Sample Type: Soil

Lab Sample ID: 5980919-MOIST FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MOISTURE	79.8			%	1	0.50	0.50	05/18/10	SM 2540 G		
SELENIUM	12.6			MG/KG	1	9.90	4.85	05/19/10	6010B		3050B

Location: 536-348

Field Sample ID: POM-S-536-348(0.0-0.5)

Date Sampled: 5/14/2010 11:30:00

Sample Type: Soil

Lab Sample ID: 5980920-MOIST FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MOISTURE	21.5			%	1	0.50	0.50	05/18/10	SM 2540 G		
SELENIUM	1.36	J	J	MG/KG	1	2.45	1.20	05/19/10	6010B		3050B

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Location: 536-302D

Field Sample ID: POM-S-536-302D(8.0-8.5)

Date Sampled: 6/10/2010 13:30:00

Sample Type: Soil

Lab Sample ID: 6005070-HG FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MERCURY	0.733			MG/KG	1	0.145	0.0167	06/15/10	7471A		7471A MOD.
MOISTURE	31.2			%	1	0.50	0.50	06/14/10	SM 2540 G		

Location: 536-356

Field Sample ID: POM-S-536-356(7.0-7.5)

Date Sampled: 6/10/2010 14:30:00

Sample Type: Soil

Lab Sample ID: 6005071-HG FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MERCURY	0.453			MG/KG	1	0.115	0.0132	06/15/10	7471A		7471A MOD.
MOISTURE	17.2			%	1	0.50	0.50	06/14/10	SM 2540 G		
LEAD	4.10			MG/KG	2	0.232	0.0348	06/15/10	6020		3050B

Location: 536-357

Field Sample ID: POM-S-536-357(6.0-6.5)

Date Sampled: 6/10/2010 15:00:00

Sample Type: Soil

Lab Sample ID: 6005072-HG FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods		
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-
Analytes											
MERCURY	0.318			MG/KG	1	0.117	0.0134	06/15/10	7471A		7471A MOD.
MOISTURE	20.0			%	1	0.50	0.50	06/14/10	SM 2540 G		
LEAD	6.19			MG/KG	2	0.248	0.0371	06/15/10	6020		3050B

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Reporting Limit: MDL

Location: 536-358

Field Sample ID: POM-S-536-358(0.0-0.5)

Date Sampled: 6/15/2010 12:20:00

Sample Type: Soil

Lab Sample ID: 6009072-MOIST FS

Analyte/Parameter	Result	Qualifiers		Unit	Dil.	Detection Limit		Analysis Date	Analytical Methods			
		LAB	DDR			PQL	MDL		Analysis-	Prep-	Preprep-	
<u>Analytes</u>												
MOISTURE	78.4			%	1	0.50	0.50	06/17/10	SM 2540 G			
SELENIUM	6.24	J	J	MG/KG	1	9.08	4.45	06/18/10	6010B		3050B	

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Batch Identifier 274265 SM 2540 G 18-MAY-10 10138820004A 9001

Method Number: SM 2540 G Prep Method: Pre-prep:
Batch Start Date: 05/18/2010 Instrument: 9001

Analyte/Parameter	Result	Unit	MDL	PQL	RPR	RPR Limits		RPD	
						Min	Max	RPD	Max
Sample Type LCS	Lab Sample ID: LC13814Q-MOIST LCS			Lab: LANCAS					
MOISTURE	89.3	%	0.50	0.50	100	99	101		
Sample Type REP	Lab Sample ID: P978556-MOIST REP			Lab: LANCAS					
MOISTURE	8.0	%	0.50	0.50				2	15

The following field samples are included in this batch:

Sampleno	Datesmpl	Lab Id	Lab
POM-S-536-347(0.0-0.5)	5/14/2010	5980919-MOIST FS	LANCAS
POM-S-536-348(0.0-0.5)	5/14/2010	5980920-MOIST FS	LANCAS

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Batch Identifier 274266 3050B 6010B 17-MAY-10 101375708002 16315

Method Number: 6010B Prep Method: 3050B Pre-prep:
Batch Start Date: 05/17/2010 Instrument: 16315

Analyte/Parameter	Result	Unit	MDL	PQL	RPR	RPR Limits		RPD	
						Min	Max	RPD	Max
Sample Type SILVER	LCS 45.9	Lab Sample ID: P13708BQQ-AG MG/KG	0.180	Lab: LANCAS 0.500	99	66	134		
Sample Type ALUMINUM	LCS 14300	Lab Sample ID: P13708BQQ-AL MG/KG	5.03	Lab: LANCAS 20.0	135	52	147		
Sample Type BERYLLIUM	LCS 75.5	Lab Sample ID: P13708BQQ-BE MG/KG	0.0680	Lab: LANCAS 0.500	102	82	118		
Sample Type CALCIUM	LCS 9910	Lab Sample ID: P13708BQQ-CA MG/KG	6.13	Lab: LANCAS 20.0	102	82	118		
Sample Type CADMIUM	LCS 230	Lab Sample ID: P13708BQQ-CD MG/KG	0.140	Lab: LANCAS 0.500	94	82	118		
Sample Type COBALT	LCS 80.9	Lab Sample ID: P13708BQQ-CO MG/KG	0.190	Lab: LANCAS 0.500	94	82	118		
Sample Type CHROMIUM	LCS 82.1	Lab Sample ID: P13708BQQ-CR MG/KG	0.590	Lab: LANCAS 1.50	102	80	120		
Sample Type IRON	LCS 22700	Lab Sample ID: P13708BQQ-FE MG/KG	4.71	Lab: LANCAS 20.0	124	51	149		
Sample Type POTASSIUM	LCS 5170	Lab Sample ID: P13708BQQ-K MG/KG	13.1	Lab: LANCAS 50.0	115	72	128		
Sample Type MAGNESIUM	LCS 4440	Lab Sample ID: P13708BQQ-MG MG/KG	2.54	Lab: LANCAS 10.0	108	75	125		
Sample Type MANGANESE	LCS 433	Lab Sample ID: P13708BQQ-MN MG/KG	0.0560	Lab: LANCAS 0.500	96	81	119		
Sample Type SODIUM	LCS 1090	Lab Sample ID: P13708BQQ-NA MG/KG	37.3	Lab: LANCAS 100	103	74	126		
Sample Type NICKEL	LCS 91.8	Lab Sample ID: P13708BQQ-NI MG/KG	0.180	Lab: LANCAS 1.00	95	80	120		
Sample Type SELENIUM	LCS 186	Lab Sample ID: P13708BQQ-SE MG/KG	0.980	Lab: LANCAS 2.00	105	79	122		
Sample Type VANADIUM	LCS 128	Lab Sample ID: P13708BQQ-V MG/KG	0.170	Lab: LANCAS 0.500	111	80	120		
Sample Type ZINC	LCS 383	Lab Sample ID: P13708BQQ-ZN MG/KG	0.660	Lab: LANCAS 2.00	101	78	122		
Sample Type SILVER	MB < 0.180	Lab Sample ID: P13708BBB-AG MG/KG	0.180	Lab: LANCAS 0.500					
Sample Type ALUMINUM	MB 6.75	Lab Sample ID: P13708BBB-AL MG/KG	5.03	Lab: LANCAS 20.0					
Sample Type BERYLLIUM	MB 0.128	Lab Sample ID: P13708BBB-BE MG/KG	0.0680	Lab: LANCAS 0.500					
Sample Type CALCIUM	MB 11.8	Lab Sample ID: P13708BBB-CA MG/KG	6.13	Lab: LANCAS 20.0					
Sample Type CADMIUM	MB < 0.140	Lab Sample ID: P13708BBB-CD MG/KG	0.140	Lab: LANCAS 0.500					
Sample Type COBALT	MB < 0.190	Lab Sample ID: P13708BBB-CO MG/KG	0.190	Lab: LANCAS 0.500					
Sample Type CHROMIUM	MB < 0.590	Lab Sample ID: P13708BBB-CR MG/KG	0.590	Lab: LANCAS 1.50					
Sample Type IRON	MB < 4.71	Lab Sample ID: P13708BBB-FE MG/KG	4.71	Lab: LANCAS 20.0					
Sample Type POTASSIUM	MB < 13.1	Lab Sample ID: P13708BBB-K MG/KG	13.1	Lab: LANCAS 50.0					
Sample Type MAGNESIUM	MB < 2.54	Lab Sample ID: P13708BBB-MG MG/KG	2.54	Lab: LANCAS 10.0					
Sample Type MANGANESE	MB < 0.0560	Lab Sample ID: P13708BBB-MN MG/KG	0.0560	Lab: LANCAS 0.500					
Sample Type SODIUM	MB < 37.3	Lab Sample ID: P13708BBB-NA MG/KG	37.3	Lab: LANCAS 100					
Sample Type NICKEL	MB < 0.180	Lab Sample ID: P13708BBB-NI MG/KG	0.180	Lab: LANCAS 1.00					
Sample Type SELENIUM	MB < 0.980	Lab Sample ID: P13708BBB-SE MG/KG	0.980	Lab: LANCAS 2.00					
Sample Type VANADIUM	MB < 0.170	Lab Sample ID: P13708BBB-V MG/KG	0.170	Lab: LANCAS 0.500					

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Analyte/Parameter	Result	Unit	MDL	PQL	RPR	RPR Limits		RPD	
						Min	Max	RPD	Max
Sample Type ZINC	MB 0.690	Lab Sample ID: P13708BBB-ZN MG/KG	MB 0.660	Lab: LANCAS 2.00					
Sample Type SILVER	MS 4.65	Lab Sample ID: 5980934-AG MG/KG	MS 0.180	Lab: LANCAS 0.500	89	75	125		
Sample Type ALUMINIUM	MS 3210	Lab Sample ID: 5980934-AL MG/KG	MS 5.03	Lab: LANCAS 20.0	NC	90	110	NC	
Sample Type BERYLLIUM	MS 5.18	Lab Sample ID: 5980934-BE MG/KG	MS 0.0680	Lab: LANCAS 0.500	100	83	111		
Sample Type CALCIUM	MS 155000	Lab Sample ID: 5980934-CA MG/KG	MS 30.7	Lab: LANCAS 100	NC	75	125	NC	
Sample Type CADMIUM	MS 5.27	Lab Sample ID: 5980934-CD MG/KG	MS 0.140	Lab: LANCAS 0.500	92	75	125		
Sample Type COBALT	MS 45.1	Lab Sample ID: 5980934-CO MG/KG	MS 0.190	Lab: LANCAS 0.500	89	75	122		
Sample Type CHROMIUM	MS 24.0	Lab Sample ID: 5980934-CR MG/KG	MS 0.590	Lab: LANCAS 1.50	97	75	125		
Sample Type IRON	MS 2900	Lab Sample ID: 5980934-FE MG/KG	MS 4.71	Lab: LANCAS 20.0	NC	75	125	NC	
Sample Type POTASSIUM	MS 1640	Lab Sample ID: 5980934-K MG/KG	MS 13.1	Lab: LANCAS 50.0	135	75	125		
Sample Type MAGNESIUM	MS 767	Lab Sample ID: 5980934-MG MG/KG	MS 2.54	Lab: LANCAS 10.0	114	75	125		
Sample Type MANGANESE	MS 83.1	Lab Sample ID: 5980934-MN MG/KG	MS 0.0560	Lab: LANCAS 0.500	100	75	125		
Sample Type SODIUM	MS 1390	Lab Sample ID: 5980934-NA MG/KG	MS 37.3	Lab: LANCAS 100	116	75	125		
Sample Type NICKEL	MS 48.3	Lab Sample ID: 5980934-NI MG/KG	MS 0.180	Lab: LANCAS 1.00	90	75	125		
Sample Type SELENIUM	MS 17.1	Lab Sample ID: 5980934-SE MG/KG	MS 0.980	Lab: LANCAS 2.00	114	75	125		
Sample Type VANADIUM	MS 55.6	Lab Sample ID: 5980934-V MG/KG	MS 0.170	Lab: LANCAS 0.500	98	75	125		
Sample Type ZINC	MS 72.2	Lab Sample ID: 5980934-ZN MG/KG	MS 0.660	Lab: LANCAS 2.00	119	75	125		
Sample Type SILVER	MSD 4.72	Lab Sample ID: 5980934-AG MG/KG	MSD 0.180	Lab: LANCAS 0.500	90	75	125	1	20
Sample Type ALUMINIUM	MSD 2900	Lab Sample ID: 5980934-AL MG/KG	MSD 5.03	Lab: LANCAS 20.0	NC	90	110	NC	20
Sample Type BERYLLIUM	MSD 5.22	Lab Sample ID: 5980934-BE MG/KG	MSD 0.0680	Lab: LANCAS 0.500	100	83	111	1	20
Sample Type CALCIUM	MSD 156000	Lab Sample ID: 5980934-CA MG/KG	MSD 30.7	Lab: LANCAS 100	NC	75	125	NC	20
Sample Type CADMIUM	MSD 5.24	Lab Sample ID: 5980934-CD MG/KG	MSD 0.140	Lab: LANCAS 0.500	92	75	125	1	20
Sample Type COBALT	MSD 45.1	Lab Sample ID: 5980934-CO MG/KG	MSD 0.190	Lab: LANCAS 0.500	89	75	122	0	20
Sample Type CHROMIUM	MSD 23.9	Lab Sample ID: 5980934-CR MG/KG	MSD 0.590	Lab: LANCAS 1.50	96	75	125	1	20
Sample Type IRON	MSD 2590	Lab Sample ID: 5980934-FE MG/KG	MSD 4.71	Lab: LANCAS 20.0	NC	75	125	NC	20
Sample Type POTASSIUM	MSD 1590	Lab Sample ID: 5980934-K MG/KG	MSD 13.1	Lab: LANCAS 50.0	130	75	125	3	20
Sample Type MAGNESIUM	MSD 652	Lab Sample ID: 5980934-MG MG/KG	MSD 2.54	Lab: LANCAS 10.0	57	75	125	16	20
Sample Type MANGANESE	MSD 86.1	Lab Sample ID: 5980934-MN MG/KG	MSD 0.0560	Lab: LANCAS 0.500	106	75	125	4	20
Sample Type SODIUM	MSD 1290	Lab Sample ID: 5980934-NA MG/KG	MSD 37.3	Lab: LANCAS 100	106	75	125	7	20
Sample Type NICKEL	MSD 47.5	Lab Sample ID: 5980934-NI MG/KG	MSD 0.180	Lab: LANCAS 1.00	89	75	125	2	20
Sample Type SELENIUM	MSD 17.1	Lab Sample ID: 5980934-SE MG/KG	MSD 0.980	Lab: LANCAS 2.00	114	75	125	0	20
Sample Type VANADIUM	MSD 55.7	Lab Sample ID: 5980934-V MG/KG	MSD 0.170	Lab: LANCAS 0.500	98	75	125	0	20
Sample Type ZINC	MSD 72.2	Lab Sample ID: 5980934-ZN MG/KG	MSD 0.660	Lab: LANCAS 2.00	119	75	125	0	20
Sample Type SILVER	REP 0.214	Lab Sample ID: 5980934-AG MG/KG	REP 0.180	Lab: LANCAS 0.500				2	20

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Analyte/Parameter	Result	Unit	MDL	PQL	RPR	RPR Limits		RPD	
						Min	Max	RPD	Max
Sample Type ALUMINUM	REP 2460	MG/KG	5.03	20.0				29	20
Sample Type BERYLLIUM	REP 0.223	MG/KG	0.0680	0.500				14	20
Sample Type CALCIUM	REP 159000	MG/KG	30.7	100				2	20
Sample Type CADMIUM	REP 0.658	MG/KG	0.140	0.500				2	20
Sample Type COBALT	REP 1.52	MG/KG	0.190	0.500				68	20
Sample Type CHROMIUM	REP 5.60	MG/KG	0.590	1.50				20	20
Sample Type IRON	REP 3090	MG/KG	4.71	20.0				39	20
Sample Type POTASSIUM	REP 491	MG/KG	13.1	50.0				52	20
Sample Type MAGNESIUM	REP 501	MG/KG	2.54	10.0				7	20
Sample Type MANGANESE	REP 35.1	MG/KG	0.0560	0.500				5	20
Sample Type SODIUM	REP 246	MG/KG	37.3	100				9	20
Sample Type NICKEL	REP 3.69	MG/KG	0.180	1.00				20	20
Sample Type SELENIUM	REP < 0.980	MG/KG	0.980	2.00				0	20
Sample Type VANADIUM	REP 6.80	MG/KG	0.170	0.500				3	20
Sample Type ZINC	REP 44.0	MG/KG	0.660	2.00				110	20

The following field samples are included in this batch:

Sampleno	Datesmpl	Lab Id	Lab
POM-S-536-347(0.0-0.5)	5/14/2010	5980919-SE FS	LANCAS
POM-S-536-348(0.0-0.5)	5/14/2010	5980920-SE FS	LANCAS

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Batch Identifier 276054 3010A 6010B 29-MAY-10 101485705005 16315

Method Number: 6010B Prep Method: 3010A Pre-prep:
Batch Start Date: 05/29/2010 Instrument: 16315

Analyte/Parameter	Result	Unit	MDL	PQL	RPR	RPR Limits		RPD	
						Min	Max	RPD	Max
Sample Type ALUMINIUM	LCS 2.04	Lab Sample ID: P14805EQQ-AL MG/L	0.0802	Lab: LANCAS 0.200	102	90	112		
Sample Type BARIUM	LCS 1.99	Lab Sample ID: P14805EQQ-BA MG/L	0.00060	Lab: LANCAS 0.0050	100	90	110		
Sample Type BERYLLIUM	LCS 0.0546	Lab Sample ID: P14805EQQ-BE MG/L	0.0014	Lab: LANCAS 0.0050	109	90	112		
Sample Type CADMIUM	LCS 0.0510	Lab Sample ID: P14805EQQ-CD MG/L	0.0020	Lab: LANCAS 0.0050	102	90	112		
Sample Type COBALT	LCS 0.503	Lab Sample ID: P14805EQQ-CO MG/L	0.0021	Lab: LANCAS 0.0050	101	90	110		
Sample Type COPPER	LCS 0.255	Lab Sample ID: P14805EQQ-CU MG/L	0.0027	Lab: LANCAS 0.0100	102	90	112		
Sample Type IRON	LCS 1.02	Lab Sample ID: P14805EQQ-FE MG/L	0.0522	Lab: LANCAS 0.200	102	90	112		
Sample Type MANGANESE	LCS 0.507	Lab Sample ID: P14805EQQ-MN MG/L	0.00084	Lab: LANCAS 0.0050	101	90	110		
Sample Type NICKEL	LCS 0.508	Lab Sample ID: P14805EQQ-NI MG/L	0.0018	Lab: LANCAS 0.0100	102	90	111		
Sample Type LEAD	LCS 0.165	Lab Sample ID: P14805EQQ-PB MG/L	0.0069	Lab: LANCAS 0.0150	110	88	110		
Sample Type ZINC	LCS 0.514	Lab Sample ID: P14805EQQ-ZN MG/L	0.0081	Lab: LANCAS 0.0200	103	90	111		
Sample Type ALUMINIUM	MB < 0.0802	Lab Sample ID: P14805EBB-AL MG/L	0.0802	Lab: LANCAS 0.200					
Sample Type BARIUM	MB < 0.00060	Lab Sample ID: P14805EBB-BA MG/L	0.00060	Lab: LANCAS 0.0050					
Sample Type BERYLLIUM	MB < 0.0014	Lab Sample ID: P14805EBB-BE MG/L	0.0014	Lab: LANCAS 0.0050					
Sample Type CADMIUM	MB < 0.0020	Lab Sample ID: P14805EBB-CD MG/L	0.0020	Lab: LANCAS 0.0050					
Sample Type COBALT	MB < 0.0021	Lab Sample ID: P14805EBB-CO MG/L	0.0021	Lab: LANCAS 0.0050					
Sample Type COPPER	MB < 0.0027	Lab Sample ID: P14805EBB-CU MG/L	0.0027	Lab: LANCAS 0.0100					
Sample Type IRON	MB < 0.0522	Lab Sample ID: P14805EBB-FE MG/L	0.0522	Lab: LANCAS 0.200					
Sample Type MANGANESE	MB < 0.00084	Lab Sample ID: P14805EBB-MN MG/L	0.00084	Lab: LANCAS 0.0050					
Sample Type NICKEL	MB < 0.0018	Lab Sample ID: P14805EBB-NI MG/L	0.0018	Lab: LANCAS 0.0100					
Sample Type LEAD	MB < 0.0069	Lab Sample ID: P14805EBB-PB MG/L	0.0069	Lab: LANCAS 0.0150					
Sample Type ZINC	MB < 0.0081	Lab Sample ID: P14805EBB-ZN MG/L	0.0081	Lab: LANCAS 0.0200					
Sample Type ALUMINIUM	MS 80.5	Lab Sample ID: 5990779-AL MG/L	0.0802	Lab: LANCAS 0.200	NC	75	125	NC	
Sample Type BARIUM	MS 2.76	Lab Sample ID: 5990779-BA MG/L	0.00060	Lab: LANCAS 0.0050	93	78	118		
Sample Type BERYLLIUM	MS 0.0571	Lab Sample ID: 5990779-BE MG/L	0.0014	Lab: LANCAS 0.0050	106	87	114		
Sample Type CADMIUM	MS 0.0486	Lab Sample ID: 5990779-CD MG/L	0.0020	Lab: LANCAS 0.0050	97	83	116		
Sample Type COBALT	MS 0.513	Lab Sample ID: 5990779-CO MG/L	0.0021	Lab: LANCAS 0.0050	97	87	112		
Sample Type COPPER	MS 0.288	Lab Sample ID: 5990779-CU MG/L	0.0027	Lab: LANCAS 0.0100	101	86	122		
Sample Type IRON	MS 116	Lab Sample ID: 5990779-FE MG/L	0.0522	Lab: LANCAS 0.200	NC	75	125	NC	
Sample Type MANGANESE	MS 1.31	Lab Sample ID: 5990779-MN MG/L	0.00084	Lab: LANCAS 0.0050	98	75	125		
Sample Type NICKEL	MS 0.636	Lab Sample ID: 5990779-NI MG/L	0.0018	Lab: LANCAS 0.0100	98	86	115		

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Analyte/Parameter	Result	Unit	MDL	PQL	RPR	RPR Limits		RPD	
						Min	Max	RPD	Max
Sample Type MS LEAD	0.170	MG/L	0.0069	0.0150	113	75	125		
Sample Type MS ZINC	0.700	MG/L	0.0081	0.0200	102	85	117		
Sample Type MSD ALUMINIUM	86.0	MG/L	0.0802	0.200	NC	75	125	NC	20
Sample Type MSD BARIUM	2.76	MG/L	0.00060	0.0050	93	78	118	0	20
Sample Type MSD BERYLLIUM	0.0577	MG/L	0.0014	0.0050	107	87	114	1	20
Sample Type MSD CADMIUM	0.0485	MG/L	0.0020	0.0050	97	83	116	0	20
Sample Type MSD COBALT	0.516	MG/L	0.0021	0.0050	98	87	112	1	20
Sample Type MSD COPPER	0.290	MG/L	0.0027	0.0100	102	86	122	1	20
Sample Type MSD IRON	116	MG/L	0.0522	0.200	NC	75	125	NC	20
Sample Type MSD MANGANESE	1.31	MG/L	0.00084	0.0050	97	75	125	0	20
Sample Type MSD NICKEL	0.641	MG/L	0.0018	0.0100	99	86	115	1	20
Sample Type MSD LEAD	0.164	MG/L	0.0069	0.0150	109	75	125	4	20
Sample Type MSD ZINC	0.692	MG/L	0.0081	0.0200	100	85	117	1	20
Sample Type REP ALUMINIUM	31.8	MG/L	0.0802	0.200				2	20
Sample Type REP BARIUM	0.897	MG/L	0.00060	0.0050				0	20
Sample Type REP BERYLLIUM	0.0040	MG/L	0.0014	0.0050				1	20
Sample Type REP CADMIUM	< 0.0020	MG/L	0.0020	0.0050				0	20
Sample Type REP COBALT	0.0282	MG/L	0.0021	0.0050				2	20
Sample Type REP COPPER	0.0346	MG/L	0.0027	0.0100				2	20
Sample Type REP IRON	110	MG/L	0.0522	0.200				1	20
Sample Type REP MANGANESE	0.813	MG/L	0.00084	0.0050				1	20
Sample Type REP NICKEL	0.145	MG/L	0.0018	0.0100				2	20
Sample Type REP LEAD	< 0.0069	MG/L	0.0069	0.0150				0	20
Sample Type REP ZINC	0.185	MG/L	0.0081	0.0200				4	20

The following field samples are included in this batch:

Sampleno	Datesmpl	Lab Id	Lab
POM-K-536-356-FBLK	5/26/2010	5990724-PB FB	LANCAS

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Batch Identifier 276227 METHOD 7470A 01-JUN-10 101525713004 62347

Method Number: 7470A Prep Method: METHOD Pre-prep:
Batch Start Date: 06/01/2010 Instrument: 62347

Analyte/Parameter	Result	Unit	MDL	PQL	RPR	RPR Limits		RPD	
						Min	Max	RPD	Max
Sample Type MERCURY	LCS 0.00093	Lab Sample ID: P15213DQQ-HG LCS MG/L	0.000056	Lab: LANCAS 0.00020	93	80	120		
Sample Type MERCURY	MB < 0.000056	Lab Sample ID: P15213DBB-HG MB MG/L	0.000056	Lab: LANCAS 0.00020					
Sample Type MERCURY	MS 0.00087	Lab Sample ID: 5987016-HG MS MG/L	0.000056	Lab: LANCAS 0.00020	87	80	120		
Sample Type MERCURY	MSD 0.00091	Lab Sample ID: 5987016-HG MSD MG/L	0.000056	Lab: LANCAS 0.00020	91	80	120	4	20
Sample Type MERCURY	REP < 0.000056	Lab Sample ID: 5987016-HG REP MG/L	0.000056	Lab: LANCAS 0.00020				0	20

The following field samples are included in this batch:

Sampleno	Datesmpl	Lab Id	Lab
POM-K-536-356-FBLK	5/26/2010	5990724-HG FB	LANCAS

Batch Identifier 276230 7471A MOD. 7471A 28-MAY-10 101475711002 62347

Method Number: 7471A Prep Method: 7471A MOD. Pre-prep:
Batch Start Date: 05/28/2010 Instrument: 62347

Analyte/Parameter	Result	Unit	MDL	PQL	RPR	RPR Limits		RPD	
						Min	Max	RPD	Max
Sample Type MERCURY	LCS 2.87	Lab Sample ID: P14711BQQ-HG LCS MG/KG	0.112	Lab: LANCAS 0.975	97	68	133		
Sample Type MERCURY	MB < 0.0113	Lab Sample ID: P14711BBB-HG MB MG/KG	0.0113	Lab: LANCAS 0.0982					
Sample Type MERCURY	MS 260	Lab Sample ID: 5990721-HG MS MG/KG	5.64	Lab: LANCAS 49.1	NC	80	120	NC	
Sample Type MERCURY	MSD 370	Lab Sample ID: 5990721-HG MSD MG/KG	5.63	Lab: LANCAS 49.1	NC	80	120	NC	20
Sample Type MERCURY	REP 357	Lab Sample ID: 5990721-HG REP MG/KG	5.63	Lab: LANCAS 49.1				2	20

The following field samples are included in this batch:

Sampleno	Datesmpl	Lab Id	Lab
POM-S-536-356(6.0-6.5)	5/25/2010	5990721-HG FS	LANCAS
POM-S-536-356(6.5-7.0)	5/25/2010	5990722-HG FS	LANCAS

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Batch Identifier 276231 SM 2540 G 28-MAY-10 10148820001B 9001

Method Number: SM 2540 G Prep Method: Pre-prep:
Batch Start Date: 05/28/2010 Instrument: 9001

Analyte/Parameter	Result	Unit	MDL	PQL	RPR	RPR Limits		RPD	
						Min	Max	RPD	Max
Sample Type MOISTURE	LCS	Lab Sample ID: LC14811Q-MOIST LCS		Lab: LANCAS					
	89.3	%	0.50	0.50	100	99	101		
Sample Type MOISTURE	REP	Lab Sample ID: P990651-MOIST REP		Lab: LANCAS					
	5.1	%	0.50	0.50				3	15

The following field samples are included in this batch:

Sampleno	Datesmpl	Lab Id	Lab
POM-S-536-349(1.0-1.5)	5/25/2010	5990720-MOIST FS	LANCAS
POM-S-536-350(4.0-4.5)	5/25/2010	5990719-MOIST FS	LANCAS
POM-S-536-351(3.0-3.5)	5/25/2010	5990723-MOIST FS	LANCAS
POM-S-536-356(6.0-6.5)	5/25/2010	5990721-MOIST FS	LANCAS
POM-S-536-356(6.5-7.0)	5/25/2010	5990722-MOIST FS	LANCAS

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Batch Identifier 276232 3050B 6010B 30-MAY-10 101485708001 16417

Method Number: 6010B Prep Method: 3050B Pre-prep:
Batch Start Date: 05/30/2010 Instrument: 16417

Analyte/Parameter	Result	Unit	MDL	PQL	RPR	RPR Limits		RPD	
						Min	Max	RPD	Max
Sample Type SILVER	LCS 45.9	Lab Sample ID: P14808AQQ-AG MG/KG	0.180	Lab: LANCAS 0.500	99	66	134		
Sample Type ARSENIC	LCS 107	Lab Sample ID: P14808AQQ-AS MG/KG	0.950	Lab: LANCAS 2.00	100	80	120		
Sample Type BARIUM	LCS 310	Lab Sample ID: P14808AQQ-BA MG/KG	0.0400	Lab: LANCAS 0.500	94	79	121		
Sample Type BERYLLIUM	LCS 72.2	Lab Sample ID: P14808AQQ-BE MG/KG	0.0680	Lab: LANCAS 0.500	97	82	118		
Sample Type CADMIUM	LCS 228	Lab Sample ID: P14808AQQ-CD MG/KG	0.140	Lab: LANCAS 0.500	94	82	118		
Sample Type COBALT	LCS 81.3	Lab Sample ID: P14808AQQ-CO MG/KG	0.190	Lab: LANCAS 0.500	95	82	118		
Sample Type CHROMIUM	LCS 82.0	Lab Sample ID: P14808AQQ-CR MG/KG	0.590	Lab: LANCAS 1.50	102	80	120		
Sample Type COPPER	LCS 67.7	Lab Sample ID: P14808AQQ-CU MG/KG	0.200	Lab: LANCAS 1.00	104	80	120		
Sample Type NICKEL	LCS 91.2	Lab Sample ID: P14808AQQ-NI MG/KG	0.180	Lab: LANCAS 1.00	94	80	120		
Sample Type LEAD	LCS 96.4	Lab Sample ID: P14808AQQ-PB MG/KG	0.600	Lab: LANCAS 1.50	90	80	120		
Sample Type ANTIMONY	LCS 119	Lab Sample ID: P14808AQQ-SB MG/KG	1.00	Lab: LANCAS 2.00	115	11	208		
Sample Type SELENIUM	LCS 187	Lab Sample ID: P14808AQQ-SE MG/KG	0.980	Lab: LANCAS 2.00	106	79	122		
Sample Type TIN	LCS 175	Lab Sample ID: P14808AQQ-SN MG/KG	1.00	Lab: LANCAS 10.0	96	77	122		
Sample Type THALLIUM	LCS 257	Lab Sample ID: P14808AQQ-TL MG/KG	1.45	Lab: LANCAS 3.00	95	81	119		
Sample Type VANADIUM	LCS 125	Lab Sample ID: P14808AQQ-V MG/KG	0.170	Lab: LANCAS 0.500	109	80	120		
Sample Type ZINC	LCS 374	Lab Sample ID: P14808AQQ-ZN MG/KG	0.660	Lab: LANCAS 2.00	99	78	122		
Sample Type SILVER	MB < 0.180	Lab Sample ID: P14808ABB-AG MG/KG	0.180	Lab: LANCAS 0.500					
Sample Type ARSENIC	MB < 0.950	Lab Sample ID: P14808ABB-AS MG/KG	0.950	Lab: LANCAS 2.00					
Sample Type BARIUM	MB < 0.0400	Lab Sample ID: P14808ABB-BA MG/KG	0.0400	Lab: LANCAS 0.500					
Sample Type BERYLLIUM	MB < 0.0680	Lab Sample ID: P14808ABB-BE MG/KG	0.0680	Lab: LANCAS 0.500					
Sample Type CADMIUM	MB < 0.140	Lab Sample ID: P14808ABB-CD MG/KG	0.140	Lab: LANCAS 0.500					
Sample Type COBALT	MB < 0.190	Lab Sample ID: P14808ABB-CO MG/KG	0.190	Lab: LANCAS 0.500					
Sample Type CHROMIUM	MB < 0.590	Lab Sample ID: P14808ABB-CR MG/KG	0.590	Lab: LANCAS 1.50					
Sample Type COPPER	MB < 0.200	Lab Sample ID: P14808ABB-CU MG/KG	0.200	Lab: LANCAS 1.00					
Sample Type NICKEL	MB 0.416	Lab Sample ID: P14808ABB-NI MG/KG	0.180	Lab: LANCAS 1.00					
Sample Type LEAD	MB < 0.600	Lab Sample ID: P14808ABB-PB MG/KG	0.600	Lab: LANCAS 1.50					
Sample Type ANTIMONY	MB < 1.00	Lab Sample ID: P14808ABB-SB MG/KG	1.00	Lab: LANCAS 2.00					
Sample Type SELENIUM	MB < 0.980	Lab Sample ID: P14808ABB-SE MG/KG	0.980	Lab: LANCAS 2.00					
Sample Type TIN	MB 1.70	Lab Sample ID: P14808ABB-SN MG/KG	1.00	Lab: LANCAS 10.0					
Sample Type THALLIUM	MB < 1.45	Lab Sample ID: P14808ABB-TL MG/KG	1.45	Lab: LANCAS 3.00					
Sample Type VANADIUM	MB < 0.170	Lab Sample ID: P14808ABB-V MG/KG	0.170	Lab: LANCAS 0.500					

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Analyte/Parameter	Result	Unit	MDL	PQL	RPR	RPR Limits		RPD	
						Min	Max	RPD	Max
Sample Type ZINC	MB Lab Sample ID: P14808ABB-ZN MB < 0.660	MG/KG	0.660	2.00					
Sample Type SILVER	MS Lab Sample ID: 5990719-AG MS 5.04	MG/KG	0.180	0.500	92	75	125		
Sample Type ARSENIC	MS Lab Sample ID: 5990719-AS MS 16.5	MG/KG	0.950	2.00	91	75	125		
Sample Type BARIUM	MS Lab Sample ID: 5990719-BA MS 236	MG/KG	0.0400	0.500	96	75	125		
Sample Type BERYLLIUM	MS Lab Sample ID: 5990719-BE MS 5.45	MG/KG	0.0680	0.500	101	83	111		
Sample Type CADMIUM	MS Lab Sample ID: 5990719-CD MS 5.57	MG/KG	0.140	0.500	94	75	125		
Sample Type COBALT	MS Lab Sample ID: 5990719-CO MS 53.4	MG/KG	0.190	0.500	94	75	122		
Sample Type CHROMIUM	MS Lab Sample ID: 5990719-CR MS 40.2	MG/KG	0.590	1.50	91	75	125		
Sample Type COPPER	MS Lab Sample ID: 5990719-CU MS 56.4	MG/KG	0.200	1.00	98	75	125		
Sample Type NICKEL	MS Lab Sample ID: 5990719-NI MS 61.0	MG/KG	0.180	1.00	90	75	125		
Sample Type LEAD	MS Lab Sample ID: 5990719-PB MS 243	MG/KG	0.600	1.50	NC	75	125	NC	
Sample Type ANTIMONY	MS Lab Sample ID: 5990719-SB MS 37.5	MG/KG	1.00	2.00	75	75	125		
Sample Type SELENIUM	MS Lab Sample ID: 5990719-SE MS 15.2	MG/KG	0.980	2.00	101	75	125		
Sample Type TIN	MS Lab Sample ID: 5990719-SN MS 373	MG/KG	1.00	10.0	92	80	110		
Sample Type THALLIUM	MS Lab Sample ID: 5990719-TL MS 14.8	MG/KG	1.45	3.00	99	75	125		
Sample Type VANADIUM	MS Lab Sample ID: 5990719-V MS 93.4	MG/KG	0.170	0.500	97	75	125		
Sample Type ZINC	MS Lab Sample ID: 5990719-ZN MS 131	MG/KG	0.660	2.00	87	75	125		
Sample Type SILVER	MSD Lab Sample ID: 5990719-AG MSD 5.25	MG/KG	0.180	0.500	96	75	125	4	20
Sample Type ARSENIC	MSD Lab Sample ID: 5990719-AS MSD 17.1	MG/KG	0.950	2.00	95	75	125	4	20
Sample Type BARIUM	MSD Lab Sample ID: 5990719-BA MSD 245	MG/KG	0.0400	0.500	101	75	125	4	20
Sample Type BERYLLIUM	MSD Lab Sample ID: 5990719-BE MSD 5.60	MG/KG	0.0680	0.500	104	83	111	3	20
Sample Type CADMIUM	MSD Lab Sample ID: 5990719-CD MSD 5.64	MG/KG	0.140	0.500	96	75	125	1	20
Sample Type COBALT	MSD Lab Sample ID: 5990719-CO MSD 54.1	MG/KG	0.190	0.500	95	75	122	1	20
Sample Type CHROMIUM	MSD Lab Sample ID: 5990719-CR MSD 43.2	MG/KG	0.590	1.50	105	75	125	7	20
Sample Type COPPER	MSD Lab Sample ID: 5990719-CU MSD 62.5	MG/KG	0.200	1.00	122	75	125	10	20
Sample Type NICKEL	MSD Lab Sample ID: 5990719-NI MSD 64.9	MG/KG	0.180	1.00	98	75	125	6	20
Sample Type LEAD	MSD Lab Sample ID: 5990719-PB MSD 244	MG/KG	0.600	1.50	NC	75	125	NC	20
Sample Type ANTIMONY	MSD Lab Sample ID: 5990719-SB MSD 36.4	MG/KG	1.00	2.00	73	75	125	3	20
Sample Type SELENIUM	MSD Lab Sample ID: 5990719-SE MSD 15.2	MG/KG	0.980	2.00	101	75	125	0	20
Sample Type TIN	MSD Lab Sample ID: 5990719-SN MSD 369	MG/KG	1.00	10.0	91	80	110	1	20
Sample Type THALLIUM	MSD Lab Sample ID: 5990719-TL MSD 14.7	MG/KG	1.45	3.00	98	75	125	1	20
Sample Type VANADIUM	MSD Lab Sample ID: 5990719-V MSD 99.6	MG/KG	0.170	0.500	109	75	125	6	20
Sample Type ZINC	MSD Lab Sample ID: 5990719-ZN MSD 147	MG/KG	0.660	2.00	118	75	125	11	20
Sample Type SILVER	REP Lab Sample ID: 5990719-AG REP 0.452	MG/KG	0.180	0.500				5	20

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Analyte/Parameter	Result	Unit	MDL	PQL	RPR	RPR Limits		RPD	
						Min	Max	RPD	Max
Sample Type	REP	Lab Sample ID: 5990719-AS REP			Lab: LANCAS				
ARSENIC	2.97	MG/KG	0.950	2.00				3	20
Sample Type	REP	Lab Sample ID: 5990719-BA REP			Lab: LANCAS				
BARIUM	55.3	MG/KG	0.0400	0.500				24	20
Sample Type	REP	Lab Sample ID: 5990719-BE REP			Lab: LANCAS				
BERYLLIUM	0.418	MG/KG	0.0680	0.500				0	20
Sample Type	REP	Lab Sample ID: 5990719-CD REP			Lab: LANCAS				
CADMIUM	0.937	MG/KG	0.140	0.500				8	20
Sample Type	REP	Lab Sample ID: 5990719-CO REP			Lab: LANCAS				
COBALT	6.86	MG/KG	0.190	0.500				5	20
Sample Type	REP	Lab Sample ID: 5990719-CR REP			Lab: LANCAS				
CHROMIUM	22.5	MG/KG	0.590	1.50				2	20
Sample Type	REP	Lab Sample ID: 5990719-CU REP			Lab: LANCAS				
COPPER	32.9	MG/KG	0.200	1.00				3	20
Sample Type	REP	Lab Sample ID: 5990719-NI REP			Lab: LANCAS				
NICKEL	14.7	MG/KG	0.180	1.00				8	20
Sample Type	REP	Lab Sample ID: 5990719-PB REP			Lab: LANCAS				
LEAD	230	MG/KG	0.600	1.50				4	20
Sample Type	REP	Lab Sample ID: 5990719-SB REP			Lab: LANCAS				
ANTIMONY	< 1.00	MG/KG	1.00	2.00				0	20
Sample Type	REP	Lab Sample ID: 5990719-SE REP			Lab: LANCAS				
SELENIUM	< 0.980	MG/KG	0.980	2.00				0	20
Sample Type	REP	Lab Sample ID: 5990719-SN REP			Lab: LANCAS				
TIN	3.34	MG/KG	1.00	10.0				28	20
Sample Type	REP	Lab Sample ID: 5990719-TL REP			Lab: LANCAS				
THALLIUM	< 1.45	MG/KG	1.45	3.00				0	20
Sample Type	REP	Lab Sample ID: 5990719-V REP			Lab: LANCAS				
VANADIUM	50.4	MG/KG	0.170	0.500				12	20
Sample Type	REP	Lab Sample ID: 5990719-ZN REP			Lab: LANCAS				
ZINC	89.7	MG/KG	0.660	2.00				2	20

The following field samples are included in this batch:

Sampleno	Datesmpl	Lab Id	Lab
POM-S-536-349(1.0-1.5)	5/25/2010	5990720-PB FS	LANCAS
POM-S-536-350(4.0-4.5)	5/25/2010	5990719-PB FS	LANCAS
POM-S-536-351(3.0-3.5)	5/25/2010	5990723-PB FS	LANCAS
POM-S-536-356(6.0-6.5)	5/25/2010	5990721-PB FS	LANCAS
POM-S-536-356(6.5-7.0)	5/25/2010	5990722-PB FS	LANCAS

Batch Identifier 276949 7471A MOD. 7471A 15-JUN-10 101655711001 62347

Method Number: 7471A Prep Method: 7471A MOD. Pre-prep:
Batch Start Date: 06/15/2010 Intrument: 62347

Analyte/Parameter	Result	Unit	MDL	PQL	RPR	RPR Limits		RPD	
						Min	Max	RPD	Max
Sample Type	LCS	Lab Sample ID: P16511AQQ-HG LCS			Lab: LANCAS				
MERCURY	2.53	MG/KG	0.0562	0.489	85	68	133		
Sample Type	MB	Lab Sample ID: P16511ABB-HG MB			Lab: LANCAS				
MERCURY	< 0.0111	MG/KG	0.0111	0.0964					
Sample Type	MS	Lab Sample ID: 6005070-HG MS			Lab: LANCAS				
MERCURY	0.724	MG/KG	0.0111	0.0968	136	80	120		
Sample Type	MSD	Lab Sample ID: 6005070-HG MSD			Lab: LANCAS				
MERCURY	0.760	MG/KG	0.0111	0.0968	158	80	120	5	20
Sample Type	REP	Lab Sample ID: 6005070-HG REP			Lab: LANCAS				
MERCURY	0.692	MG/KG	0.0111	0.0968				31	20

The following field samples are included in this batch:

Sampleno	Datesmpl	Lab Id	Lab
POM-S-536-302D(8.0-8.5)	6/10/2010	6005070-HG FS	LANCAS
POM-S-536-356(7.0-7.5)	6/10/2010	6005071-HG FS	LANCAS
POM-S-536-357(6.0-6.5)	6/10/2010	6005072-HG FS	LANCAS

**Corporate Environmental Database
Lab Analysis QAQC Report**

Site: POMPTON LAKES WORKS
Project: DELTA UPLANDS SPRING 2010

6/28/2010
Page 12 of 13

Batch Identifier 276950 SM 2540 G 14-JUN-10 10165820004B 9001

Method Number: SM 2540 G Prep Method: Pre-prep:
Batch Start Date: 06/14/2010 Instrument: 9001

Analyte/Parameter	Result	Unit	MDL	PQL	RPR	RPR Limits		RPD	RPD Max
						Min	Max		
Sample Type LCS	Lab Sample ID: LC16514Q-MOIST LCS			Lab: LANCAS					
MOISTURE	89.5	%	0.50	0.50	100	99	101		
Sample Type REP	Lab Sample ID: P003252-MOIST REP			Lab: LANCAS					
MOISTURE	17.4	%	0.50	0.50				2	15

The following field samples are included in this batch:

Sampleno	Datesmpl	Lab Id	Lab
POM-S-536-302D(8.0-8.5)	6/10/2010	6005070-MOIST FS	LANCAS
POM-S-536-356(7.0-7.5)	6/10/2010	6005071-MOIST FS	LANCAS
POM-S-536-357(6.0-6.5)	6/10/2010	6005072-MOIST FS	LANCAS

Batch Identifier 276951 3050B 6020 14-JUN-10 101656150001A 11332

Method Number: 6020 Prep Method: 3050B Pre-prep:
Batch Start Date: 06/14/2010 Instrument: 11332

Analyte/Parameter	Result	Unit	MDL	PQL	RPR	RPR Limits		RPD	RPD Max
						Min	Max		
Sample Type LCS	Lab Sample ID: P16550AQQ-PB LCS			Lab: LANCAS					
LEAD	111	MG/KG	0.375	2.50	104	80	120		
Sample Type MB	Lab Sample ID: P16550ABB-PB MB			Lab: LANCAS					
LEAD	< 0.0300	MG/KG	0.0300	0.200					
Sample Type MS	Lab Sample ID: 6003431-PB MS			Lab: LANCAS					
LEAD	73.1	MG/KG	0.0300	0.200	NC	75	125	NC	
Sample Type MSD	Lab Sample ID: 6003431-PB MSD			Lab: LANCAS					
LEAD	109	MG/KG	0.150	1.00	NC	75	125	NC	20
Sample Type REP	Lab Sample ID: 6003431-PB REP			Lab: LANCAS					
LEAD	86.7	MG/KG	0.0300	0.200				7	20

The following field samples are included in this batch:

Sampleno	Datesmpl	Lab Id	Lab
POM-S-536-356(7.0-7.5)	6/10/2010	6005071-PB FS	LANCAS
POM-S-536-357(6.0-6.5)	6/10/2010	6005072-PB FS	LANCAS

Batch Identifier 277189 SM 2540 G 17-JUN-10 10168820002A 9001

Method Number: SM 2540 G Prep Method: Pre-prep:
Batch Start Date: 06/17/2010 Instrument: 9001

Analyte/Parameter	Result	Unit	MDL	PQL	RPR	RPR Limits		RPD	RPD Max
						Min	Max		
Sample Type LCS	Lab Sample ID: LC16812Q-MOIST LCS			Lab: LANCAS					
MOISTURE	89.5	%	0.50	0.50	100	99	101		
Sample Type REP	Lab Sample ID: P006208-MOIST REP			Lab: LANCAS					
MOISTURE	12.2	%	0.50	0.50				0	15

The following field samples are included in this batch:

Sampleno	Datesmpl	Lab Id	Lab
POM-S-536-358(0.0-0.5)	6/15/2010	6009072-MOIST FS	LANCAS

**Corporate Environmental Database
Lab Analysis QAQC Report**

Site: POMPTON LAKES WORKS
Project: DELTA UPLANDS SPRING 2010

6/28/2010
Page 13 of 13

Batch Identifier 277190 3050B 6010B 17-JUN-10 101685708001 11016

Method Number: 6010B Prep Method: 3050B Pre-prep:
Batch Start Date: 06/17/2010 Intrument: 11016

Analyte/Parameter	Result	Unit	MDL	PQL	RPR	RPR Limits		RPD	
						Min	Max	RPD	Max
Sample Type SELENIUM	LCS 176	MG/KG	0.980	2.00	100	79	122		
Sample Type SELENIUM	MB < 0.980	MG/KG	0.980	2.00					
Sample Type SELENIUM	MS 15.6	MG/KG	0.980	2.00	104	75	125		
Sample Type SELENIUM	MSD 15.4	MG/KG	0.980	2.00	103	75	125	1	20
Sample Type SELENIUM	REP < 0.980	MG/KG	0.980	2.00				0	20

The following field samples are included in this batch:

Sampleno	Datesmpl	Lab Id	Lab
POM-S-536-358(0.0-0.5)	6/15/2010	6009072-SE FS	LANCAS

REVISED

ANALYTICAL RESULTS

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

Prepared for:

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

June 08, 2010

Project: POM - DELTA UPLANDS SAMPLING

Submittal Date: 05/14/2010

Group Number: 1194691

PO Number: LBIO-66380

Release Number: LA29

State of Sample Origin: NJ

Client Sample DescriptionPOM-S-536-347(0.0-0.5) Grab Soil Sample
POM-S-536-348(0.0-0.5) Grab Soil SampleLancaster Labs (LLI) #5980919
5980920

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.


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REVISED

Questions? Contact your Client Services Representative
Nancy J Bornholm at (717) 656-2300 Ext. 1310

Respectfully Submitted,



Robert Strocko Jr.
Manager



Analysis Report

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Sample Description: POM-S-536-347(0.0-0.5) Grab Soil Sample
ABD DELTA UPLANDS

LLI Sample # SW 5980919
LLI Group # 1194691
Account # 07032

Project Name: POM - DELTA UPLANDS SAMPLING

Collected: 05/14/2010 10:30 by RK

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 05/14/2010 20:16

Reported: 06/08/2010 12:31

Discard: 07/09/2010

347-- SDG#: ABD53-01

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010B	mg/kg	mg/kg	mg/kg	
06936	Selenium	7782-49-2	12.6	4.85	9.90	1
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	79.8	0.50	0.50	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.						

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06936	Selenium	SW-846 6010B	1	101375708002	05/19/2010 04:24	Tara L Snyder	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	101375708002	05/17/2010 20:03	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	10138820004A	05/18/2010 17:38	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 1
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Sample Description: POM-S-536-348(0.0-0.5) Grab Soil Sample
ABD DELTA UPLANDS

LLI Sample # SW 5980920
LLI Group # 1194691
Account # 07032

Project Name: POM - DELTA UPLANDS SAMPLING

Collected: 05/14/2010 11:30 by RK

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 05/14/2010 20:16

Reported: 06/08/2010 12:31

Discard: 07/09/2010

348-- SDG#: ABD53-02

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
06936	Selenium	SW-846 6010B 7782-49-2	mg/kg 1.36 J	mg/kg 1.20	mg/kg 2.45	1
Wet Chemistry						
00111	Moisture	SM20 2540 G n.a.	% 21.5	% 0.50	% 0.50	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.						

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06936	Selenium	SW-846 6010B	1	101375708002	05/19/2010 04:27	Tara L Snyder	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	101375708002	05/17/2010 20:03	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	10138820004A	05/18/2010 17:38	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Quality Control Summary

 Client Name: CRG-E.I.DuPont de Nemours & Co
 Reported: 06/08/10 at 12:31 PM

Group Number: 1194691

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: 101375708002 Selenium	Sample number(s): 5980919-5980920								
	N.D.	0.980	2.00	mg/kg	105		79-122		
Batch number: 10138820004A Moisture	Sample number(s): 5980919-5980920				100		99-101		

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
 Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>RPD MAX</u>	<u>BKG Conc</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>
Batch number: 101375708002 Selenium	Sample number(s): 5980919-5980920 UNSPK: P980934 BKG: P980934								
	114	114	75-125	0	20	N.D.	N.D.	0 (1)	20
Batch number: 10138820004A Moisture	Sample number(s): 5980919-5980920 BKG: P978556								
						7.8	8.0	2	15

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

acct 7032 grp 1194691 # 5980919-20



CHAIN OF CUSTODY LABORATORY ANALYSIS REQUEST FORM

Lab Work Order #

Send Results to:	Contact & Company Name: Ron Kuhn/ARCADIS	Telephone: 315-247-9920	Preservative	E	E	E	E					<p>Keys</p> <p>Preservation Key: A. H2SO4 B. HCL C. HNO3 D. NaOH E. None</p> <p>Container Information Key: 1. 40 mL Vial 2. 1 L Amber 3. 250 mL Plastic 4. 500 mL Plastic 5. Encore 6. 2 oz. Glass 7. 4 oz. Glass 8. 8 oz. Glass 9. 125 mL Plastic 10. 4 oz. Amber</p> <p>Matrix Key: SO- Soil W- Water T- Tissue SE- Sediment SL- Sludge A- Air NL- NAPL/Oil SW- Sample Wipe</p>
	Address: 6723 Towpath Rd.	Fax:	Filtered (✓)									
	City State Zip Syracuse, NY 13214	E-mail Address: ronald.kuhn@arcadis-us.com	# of Containers	1	1	1	1					
	Project Name/Location (City, State): Acid Brook Delta, Pompton Lakes, NJ	Project #: B0042322.0002.00002	Container Information									
Sampler's Printed Name: Ron Kuhn	Sampler's Signature: 	PARAMETER ANALYSIS & METHOD										
Sample ID	Collection Date Time	Type Comp Grab	Matrix	Selenium (Method 8010B)	Lead (Method 8010B)	Total Mercury (Method 7471A)	MS/MSD					REMARKS
POM-S-536-347(0.0-0.5)	05/14/10 1030	X SE	X									
POM-S-536-348(0.0-0.5)	05/14/10 1130	X SE	X									
Special Instructions/Comments: Standard Turnaround						Special QA/QC Instructions (✓)						
Laboratory Information and Receipt				Relinquished By		Received By		Relinquished By		Laboratory Received By		
Lab Name: Lancaster Labs	Cooler Custody Seal (✓)			Printed Name: Ron Kuhn		Printed Name:		Printed Name:		Printed Name: Katherine Metzger		
<input checked="" type="checkbox"/> Cooler packed with ice (✓)	<input type="checkbox"/> Intact <input type="checkbox"/> Not Intact			Signature: 		Signature:		Signature:		Signature: 		
Specify Turnaround Requirements: 72 HR.	Sample Receipt:			Firm: ARCADIS		Firm:		Firm:		Firm: LI		
Shipping Tracking #: COURIER	Condition/Cooler Temp: 5.1°			Date/Time: 5/14/10 1400		Date/Time:		Date/Time:		Date/Time: 5/14/10 2016		

Environmental Sample Administration Receipt Documentation Log

T-103
5/14/10

Client/Project: Arcadis

Shipping Container Sealed: YES NO

Date of Receipt: 5/14/10

Custody Seal Present *: YES NO

Time of Receipt: 2016

* Custody seal was intact unless otherwise noted in the discrepancy section

Source Code: 01

Package: Chilled Not Chilled

Unpacker Emp. No.: 2241

Temperature of Shipping Containers

Cooler #	Thermometer ID	Temperature (°C)	Temp Bottle (TB) or Surface Temp (ST)	Wet Ice (WI) or Dry Ice (DI) or Ice Packs (IP)	Ice Present? Y/N	Loose (L) Bagged Ice (B) or NA	Comments
1	429951	5.1	TB	WI	Y	B	
2							
3							
4							
5							
6							

Number of Trip Blanks received NOT listed on chain of custody: 0

Paperwork Discrepancy/Unpacking Problems:

Sample Administration Internal Chain of Custody

Name	Date	Time	Reason for Transfer
<i>[Signature]</i>	5/14/10	2035	Unpacking <i>to storage</i>
<i>Maughbedard</i>	5/14/10	2102	Place in Storage or Entry
			Entry
			Entry

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

RL	Reporting Limit	BMQL	Below Minimum Quantitation Level
N.D.	none detected	MPN	Most Probable Number
TNTC	Too Numerous To Count	CP Units	cobalt-chloroplatinate units
IU	International Units	NTU	nephelometric turbidity units
umhos/cm	micromhos/cm	ng	nanogram(s)
C	degrees Celsius	F	degrees Fahrenheit
meq	milliequivalents	lb.	pound(s)
g	gram(s)	kg	kilogram(s)
ug	microgram(s)	mg	milligram(s)
ml	milliliter(s)	l	liter(s)
m3	cubic meter(s)	ul	microliter(s)
<	less than - The number following the sign is the <u>limit of quantitation</u> , the smallest amount of analyte which can be reliably determined using this specific test.		
>	greater than		
J	estimated value – The result is \geq the Method Detection Limit (MDL) and $<$ the Limit of Quantitation (LOQ).		
ppm	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.		
ppb	parts per billion		
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.		

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers	Inorganic Qualifiers
A TIC is a possible aldol-condensation product	B Value is $<$ CRDL, but \geq IDL
B Analyte was also detected in the blank	E Estimated due to interference
C Pesticide result confirmed by GC/MS	M Duplicate injection precision not met
D Compound quantitated on a diluted sample	N Spike sample not within control limits
E Concentration exceeds the calibration range of the instrument	S Method of standard additions (MSA) used for calculation
N Presumptive evidence of a compound (TICs only)	U Compound was not detected
P Concentration difference between primary and confirmation columns $>$ 25%	W Post digestion spike out of control limits
U Compound was not detected	* Duplicate analysis not within control limits
X,Y,Z Defined in case narrative	+ Correlation coefficient for MSA $<$ 0.995

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

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ANALYTICAL RESULTS

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

Prepared for:

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

June 04, 2010

Project: POM - DELTA UPLANDS SAMPLING

Submittal Date: 05/26/2010

Group Number: 1196170

PO Number: LBIO-66380

Release Number: LA29481

State of Sample Origin: NJ

Client Sample DescriptionPOM-S-536-350(4.0-4.5) Grab Soil Sample
POM-S-536-349(1.0-1.5) Grab Soil Sample
POM-S-536-356(6.0-6.5) Grab Soil Sample
POM-S-536-356(6.5-7.0) Grab Soil Sample
POM-S-536-351(3.0-3.5) Grab Soil Sample
POM-K-536-356-FBLK Grab Blank Water SampleLancaster Labs (LLI) #5990719
5990720
5990721
5990722
5990723
5990724

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

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Attn: EDD Group

Questions? Contact your Client Services Representative
Nancy J Bornholm at (717) 656-2300 Ext. 1310

Respectfully Submitted,



Max E. Snavelly
Senior Specialist



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-350(4.0-4.5) Grab Soil Sample
DELTA UPLANDS SPRING SAMPLING 2010

LLI Sample # SW 5990719
LLI Group # 1196170
Account # 07032

Project Name: POM - DELTA UPLANDS SAMPLING

Collected: 05/25/2010 13:30 by RK

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 05/26/2010 19:45
Reported: 06/04/2010 10:32
Discard: 07/05/2010

350-4 SDG#: ABD65-01

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
06955	Lead	SW-846 6010B 7439-92-1	mg/kg 233	mg/kg 0.632	mg/kg 1.58	1
The matrix spike and matrix spike duplicate were out of specification for lead. The recovery of the post digestion spike performed on the background sample was 81%.						
Wet Chemistry						
00111	Moisture	SM20 2540 G n.a.	% 5.0	% 0.50	% 0.50	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.						

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	101485708001	05/31/2010 06:13	Tara L Snyder	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	101485708001	05/30/2010 19:39	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	10148820001B	05/28/2010 17:41	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: POM-S-536-349(1.0-1.5) Grab Soil Sample
DELTA UPLANDS SPRING SAMPLING 2010

LLI Sample # SW 5990720
LLI Group # 1196170
Account # 07032

Project Name: POM - DELTA UPLANDS SAMPLING

Collected: 05/25/2010 14:00 by RK

CRG-E.I.DuPont de Nemours & Co
 URS Corporation
 Iron Hill Corporate Center
 4051 Ogletown Road, Suite 300
 Newark DE 19713

Submitted: 05/26/2010 19:45
 Reported: 06/04/2010 10:32
 Discard: 07/05/2010

349-1 SDG#: ABD65-02

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
06955	Lead	SW-846 6010B 7439-92-1	mg/kg 157	mg/kg 0.672	mg/kg 1.68	1
	The matrix spike and matrix spike duplicate were out of specification for lead. The recovery of the post digestion spike performed on the background sample was 81%.					
Wet Chemistry						
00111	Moisture	SM20 2540 G n.a.	% 10.7	% 0.50	% 0.50	1
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.					

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	101485708001	05/31/2010 06:36	Tara L Snyder	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	101485708001	05/30/2010 19:39	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	10148820001B	05/28/2010 17:41	Scott W Freisher	1

Sample Description: POM-S-536-356(6.0-6.5) Grab Soil Sample
DELTA UPLANDS SPRING SAMPLING 2010

LLI Sample # SW 5990721
LLI Group # 1196170
Account # 07032

Project Name: POM - DELTA UPLANDS SAMPLING

Collected: 05/25/2010 16:00 by RK

CRG-E.I.DuPont de Nemours & Co
 URS Corporation
 Iron Hill Corporate Center
 4051 Ogletown Road, Suite 300
 Newark DE 19713

Submitted: 05/26/2010 19:45

Reported: 06/04/2010 10:32

Discard: 07/05/2010

356-6 SDG#: ABD65-03

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
06955	Lead	SW-846 6010B 7439-92-1	mg/kg 469	mg/kg 0.811	mg/kg 2.03	1
The matrix spike and matrix spike duplicate were out of specification for lead. The recovery of the post digestion spike performed on the background sample was 81%.						
00159	Mercury	SW-846 7471A 7439-97-6	mg/kg 491	mg/kg 15.4	mg/kg 134	1000
Wet Chemistry						
00111	Moisture	SM20 2540 G n.a.	% 26.0	% 0.50	% 0.50	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.						

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	101485708001	05/31/2010 06:45	Tara L Snyder	1
00159	Mercury	SW-846 7471A	1	101475711002	05/28/2010 21:58	Nelli S Markaryan	1000
05708	SW SW846 ICP Digest	SW-846 3050B	1	101485708001	05/30/2010 19:39	Annamaria Stipkovits	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	101475711002	05/28/2010 01:55	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	10148820001B	05/28/2010 17:41	Scott W Freisher	1

Sample Description: POM-S-536-356(6.5-7.0) Grab Soil Sample
DELTA UPLANDS SPRING SAMPLING 2010

LLI Sample # SW 5990722
LLI Group # 1196170
Account # 07032

Project Name: POM - DELTA UPLANDS SAMPLING

Collected: 05/25/2010 16:00 by RK

CRG-E.I.DuPont de Nemours & Co
 URS Corporation
 Iron Hill Corporate Center
 4051 Ogletown Road, Suite 300
 Newark DE 19713

Submitted: 05/26/2010 19:45
 Reported: 06/04/2010 10:32
 Discard: 07/05/2010

356-7 SDG#: ABD65-04

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
06955	Lead	SW-846 6010B 7439-92-1	mg/kg 1,560	mg/kg 1.05	mg/kg 2.61	1
The matrix spike and matrix spike duplicate were out of specification for lead. The recovery of the post digestion spike performed on the background sample was 81%.						
00159	Mercury	SW-846 7471A 7439-97-6	mg/kg 899	mg/kg 20.4	mg/kg 178	1000
Wet Chemistry						
00111	Moisture	SM20 2540 G n.a.	% 44.3	% 0.50	% 0.50	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.						

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	101485708001	05/31/2010 06:48	Tara L Snyder	1
00159	Mercury	SW-846 7471A	1	101475711002	05/28/2010 22:06	Nelli S Markaryan	1000
05708	SW SW846 ICP Digest	SW-846 3050B	1	101485708001	05/30/2010 19:39	Annamaria Stipkovits	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	101475711002	05/28/2010 01:55	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	10148820001B	05/28/2010 17:41	Scott W Freisher	1



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-351(3.0-3.5) Grab Soil Sample
 DELTA UPLANDS SPRING SAMPLING 2010

LLI Sample # SW 5990723
 LLI Group # 1196170
 Account # 07032

Project Name: POM - DELTA UPLANDS SAMPLING

Collected: 05/25/2010 13:40 by RK

CRG-E.I.DuPont de Nemours & Co
 URS Corporation
 Iron Hill Corporate Center
 4051 Ogletown Road, Suite 300
 Newark DE 19713

Submitted: 05/26/2010 19:45
 Reported: 06/04/2010 10:32
 Discard: 07/05/2010

351-3 SDG#: ABD65-05

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
06955	Lead	SW-846 6010B 7439-92-1	mg/kg 138	mg/kg 0.626	mg/kg 1.56	1
The matrix spike and matrix spike duplicate were out of specification for lead. The recovery of the post digestion spike performed on the background sample was 81%.						
Wet Chemistry						
00111	Moisture	SM20 2540 G n.a.	% 5.1	% 0.50	% 0.50	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.						

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	101485708001	05/31/2010 06:50	Tara L Snyder	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	101485708001	05/30/2010 19:39	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	10148820001B	05/28/2010 17:41	Scott W Freisher	1

*=This limit was used in the evaluation of the final result



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-K-536-356-FBLK Grab Blank Water Sample
DELTA UPLANDS SPRING SAMPLING 2010

LLI Sample # WW 5990724
LLI Group # 1196170
Account # 07032

Project Name: POM - DELTA UPLANDS SAMPLING

Collected: 05/26/2010 13:00 by RK

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 05/26/2010 19:45

Reported: 06/04/2010 10:32

Discard: 07/05/2010

356FB SDG#: ABD65-06FB*

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals						
07055	Lead	SW-846 6010B 7439-92-1	mg/l N.D.	mg/l 0.0069	mg/l 0.0150	1
00259	Mercury	SW-846 7470A 7439-97-6	mg/l N.D.	mg/l 0.000056	mg/l 0.00020	1

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	101485705005	06/03/2010 06:46	Tara L Snyder	1
00259	Mercury	SW-846 7470A	1	101525713004	06/02/2010 14:47	Nelli S Markaryan	1
05705	WW/TL SW 846 ICP Digest (tot)	SW-846 3010A	1	101485705005	05/29/2010 09:24	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	101485713008	05/29/2010 11:10	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	2	101525713004	06/01/2010 18:00	Nelli S Markaryan	1

*=This limit was used in the evaluation of the final result

Quality Control Summary

 Client Name: CRG-E.I.DuPont de Nemours & Co
 Reported: 06/04/10 at 10:32 AM

Group Number: 1196170

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: 101475711002 Mercury	Sample number(s): 5990721-5990722 N.D.	0.0113	0.0982	mg/kg	97		68-133		
Batch number: 101485705005 Lead	Sample number(s): 5990724 N.D.	0.0069	0.0150	mg/l	110		88-110		
Batch number: 101485708001 Lead	Sample number(s): 5990719-5990723 N.D.	0.600	1.50	mg/kg	90		80-120		
Batch number: 101525713004 Mercury	Sample number(s): 5990724 N.D.	0.00005 6	0.00020	mg/l	93		80-120		
Batch number: 10148820001B Moisture	Sample number(s): 5990719-5990723				100		99-101		

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
 Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>RPD MAX</u>	<u>BKG Conc</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>
Batch number: 101475711002 Mercury	Sample number(s): 5990721-5990722 -63144 (2)	4320 (2)	80-120	35*	20	UNSPK: 5990721 363	BKG: 5990721 357	2 (1)	20
Batch number: 101485705005 Lead	Sample number(s): 5990724 113	109	75-125	4	20	UNSPK: P990779 N.D.	BKG: P990779 N.D.	0 (1)	20
Batch number: 101485708001 Lead	Sample number(s): 5990719-5990723 146 (2)	153 (2)	75-125	0	20	UNSPK: 5990719 222	BKG: 5990719 230	4	20
Batch number: 101525713004 Mercury	Sample number(s): 5990724 87	91	80-120	4	20	UNSPK: P987016 N.D.	BKG: P987016 N.D.	0 (1)	20
Batch number: 10148820001B Moisture	Sample number(s): 5990719-5990723					BKG: P990651 5.3	5.1	3	15

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.



CHAIN OF CUSTODY LABORATORY ANALYSIS REQUEST FORM

Lab Work Order #

004 7032 gpp 1196170 # 5990719-24

Send Results to:	Contact & Company Name: Ron Kuhn/ARCADIS	Telephone: 315-247-9920	Preservation a	E	E	E	E								
	Address: 6723 Towpath Rd.	Fax:	Filtered (✓)												
	City State Zip Syracuse, NY 13214	E-mail Address: ronald.kuhn@arcadis-us.com	# of Containers Container Information	1	1	1	1								
	PARAMETER ANALYSIS & METHOD														

Project Name/Location (City, State): Acid Brook Delta, Pompton Lakes, NJ	Project #: B0042322.0002.00002
Sampler's Printed Name: Ron Kuhn	Sampler's Signature:

- Keys**
- Preservation Key:**
A. H2SO4
B. HCL
C. HNO3
D. NaOH
E. None
F.
G.
H.
- Container Information Key:**
1. 40 mL Vial
2. 1 L Amber
3. 250 mL Plastic
4. 500 mL Plastic
5. Encore
6. 2 oz. Glass
7. 4 oz. Glass
8. 8 oz. Glass
9. 125 mL Plastic
10. 4 oz. Amber
- Matrix Key:**
SO- Soil
W- Water
T- Tissue
SE- Sediment
SL- Sludge
A- Air
NL- NAPL/OI
SW- Sample Wipe

Sample ID	Collection		Type		Matrix	Selenium (Method 6010B)	Lead (Method 6010B)	Total Mercury (Method 1631A)	MS/MSD											
	Date	Time	Comp	Grab																
POM-S-536-350(4.0-4.5)	05/25/10	1330		X	SO		x													
POM-S-536-349(1.0-1.5)	05/25/10	1400		X	SO		x													
POM-S-536-356(6.0-6.5)	05/25/10	1600		X	SO		x	x												
POM-S-536-356(6.5-7.0)	05/25/10	1600		X	SO		x	x												
POM-S-536-351(3.0-3.5)	05/25/10	1340		X	SO		x													
POM-K-536-356-FBLK	05/28/10	1300		X	W		x	x												

Temp. 4.2°C

Special instructions/Comments: Standard Turnaround Special QA/QC Instructions (✓)

Laboratory Information and Receipt		Relinquished By		Received By		Relinquished By		Laboratory Received By	
Lab Name: Lancaster Labs	Cooler Custody Seal (✓) <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Not Intact	Printed Name: Ron Kuhn	Signature: 	Printed Name:	Signature:	Printed Name:	Signature:	Printed Name: Wesley Miller	Signature:
<input checked="" type="checkbox"/> Cooler packed with ice (✓)	Specify Turnaround Requirements: 72 HR.	Firm: ARCADIS	Date/Time: 5/26/10 1400	Firm:	Date/Time:	Firm:	Date/Time:	Firm: LLI	Date/Time: 5/26/10 1945
Shipping Tracking #: COURIER	Condition/Cooler Temp: Intact 4.2°C								



Environmental Sample Administration Receipt Documentation Log

Client/Project: Arcadis
 Date of Receipt: 5/26/10
 Time of Receipt: 1945
 Source Code: 01
 Unpacker Emp. No.: 2308

Shipping Container Sealed: YES NO

Custody Seal Present * : YES NO

* Custody seal was intact unless otherwise noted in the discrepancy section

Package: Chilled Not Chilled

Temperature of Shipping Containers							
Cooler #	Thermometer ID	Temperature (°C)	Temp Bottle (TB) or Surface Temp (ST)	Wet Ice (WI) or Dry Ice (DI) or Ice Packs (IP)	Ice Present? Y/N	Loose (L) Bagged Ice (B) or NA	Comments
1	0424951	4.2°	TB	WI	Y	B	
2							
3							
4							
5							
6							

Number of Trip Blanks received NOT listed on chain of custody: 0

Paperwork Discrepancy/Unpacking Problems:

Sample Administration Internal Chain of Custody			
Name	Date	Time	Reason for Transfer
<i>[Signature]</i>	5/26/10	1946	Unpacking to storage
<i>Braunfeld</i>	5/26/10	1959	Place in Storage or <input checked="" type="radio"/> Entry
			Entry
			Entry

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

RL	Reporting Limit	BMQL	Below Minimum Quantitation Level
N.D.	none detected	MPN	Most Probable Number
TNTC	Too Numerous To Count	CP Units	cobalt-chloroplatinate units
IU	International Units	NTU	nephelometric turbidity units
umhos/cm	micromhos/cm	ng	nanogram(s)
C	degrees Celsius	F	degrees Fahrenheit
meq	milliequivalents	lb.	pound(s)
g	gram(s)	kg	kilogram(s)
ug	microgram(s)	mg	milligram(s)
ml	milliliter(s)	l	liter(s)
m3	cubic meter(s)	ul	microliter(s)
<	less than - The number following the sign is the <u>limit of quantitation</u> , the smallest amount of analyte which can be reliably determined using this specific test.		
>	greater than		
J	estimated value – The result is \geq the Method Detection Limit (MDL) and $<$ the Limit of Quantitation (LOQ).		
ppm	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.		
ppb	parts per billion		
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.		

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers	Inorganic Qualifiers
A TIC is a possible aldol-condensation product	B Value is $<$ CRDL, but \geq IDL
B Analyte was also detected in the blank	E Estimated due to interference
C Pesticide result confirmed by GC/MS	M Duplicate injection precision not met
D Compound quantitated on a diluted sample	N Spike sample not within control limits
E Concentration exceeds the calibration range of the instrument	S Method of standard additions (MSA) used for calculation
N Presumptive evidence of a compound (TICs only)	U Compound was not detected
P Concentration difference between primary and confirmation columns $>$ 25%	W Post digestion spike out of control limits
U Compound was not detected	* Duplicate analysis not within control limits
X,Y,Z Defined in case narrative	+ Correlation coefficient for MSA $<$ 0.995

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL LANCASTER LABORATORIES BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF LANCASTER LABORATORIES AND (B) WHETHER LANCASTER LABORATORIES HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Lancaster Laboratories which includes any conditions that vary from the Standard Terms and Conditions, and Lancaster hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

ANALYTICAL RESULTS

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

Prepared for:

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

June 17, 2010

Project: POM - ABD SPRING SAMPLING

Submittal Date: 06/11/2010

Group Number: 1198570

PO Number: LBIO-66380

Release Number: LA29

State of Sample Origin: NJ

Client Sample DescriptionPOM-S-536-302D(8.0-8.5) Soil Sample
POM-S-536-356(7.0-7.5) Soil Sample
POM-S-536-357(6.0-6.5) Soil SampleLancaster Labs (LLI) #6005070
6005071
6005072


The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

ELECTRONIC LLI
COPY TO
1 COPY TO Data Package Group

Attn: EDD Group

Questions? Contact your Client Services Representative
Nancy J Bornholm at (717) 656-2300 Ext. 1310

Respectfully Submitted,



Robert Strocko Jr.
Manager



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-302D(8.0-8.5) Soil Sample
ABD SPRING SAMPLING 2010

LLI Sample # SW 6005070
LLI Group # 1198570
Account # 07032

Project Name: POM - ABD SPRING SAMPLING

Collected: 06/10/2010 13:30 by RK

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 06/11/2010 21:35

Reported: 06/17/2010 09:17

Discard: 07/18/2010

302D8 SDG#: ABD83-01

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
00159	Mercury	SW-846 7471A 7439-97-6	mg/kg 0.733	mg/kg 0.0167	mg/kg 0.145	1
Wet Chemistry						
00111	Moisture	SM20 2540 G n.a.	% 31.2	% 0.50	% 0.50	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.						

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	101655711001	06/15/2010 10:17	Damary Valentin	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	101655711001	06/15/2010 02:05	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	10165820004B	06/14/2010 16:12	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: POM-S-536-356(7.0-7.5) Soil Sample
ABD SPRING SAMPLING 2010

LLI Sample # SW 6005071
LLI Group # 1198570
Account # 07032

Project Name: POM - ABD SPRING SAMPLING

Collected: 06/10/2010 14:30 by RK

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 06/11/2010 21:35
Reported: 06/17/2010 09:17
Discard: 07/18/2010

35670 SDG#: ABD83-02

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
06135	Lead	SW-846 6020 7439-92-1	mg/kg 4.10	mg/kg 0.0348	mg/kg 0.232	2
The matrix spike and matrix spike duplicate were out of specification for lead. The recovery of the post digestion spike performed on the background sample was 99%.						
00159	Mercury	SW-846 7471A 7439-97-6	mg/kg 0.453	mg/kg 0.0132	mg/kg 0.115	1
Wet Chemistry						
00111	Moisture	SM20 2540 G n.a.	% 17.2	% 0.50	% 0.50	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.						

General Sample Comments

State of New Jersey Lab Certification No. PA011
State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06135	Lead	SW-846 6020	1	101656150001A	06/15/2010 10:58	Choon Y Tian	2
00159	Mercury	SW-846 7471A	1	101655711001	06/15/2010 10:24	Damary Valentin	1
06150	ICP/MS SW-846 Solid Digest	SW-846 3050B	1	101656150001	06/14/2010 21:08	Annamaria Stipkovits	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	101655711001	06/15/2010 02:05	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	10165820004B	06/14/2010 16:12	Scott W Freisher	1

Sample Description: POM-S-536-357(6.0-6.5) Soil Sample
ABD SPRING SAMPLING 2010

LLI Sample # SW 6005072
LLI Group # 1198570
Account # 07032

Project Name: POM - ABD SPRING SAMPLING

Collected: 06/10/2010 15:00 by RK

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 06/11/2010 21:35

Reported: 06/17/2010 09:17

Discard: 07/18/2010

35760 SDG#: ABD83-03*

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
	SW-846 6020		mg/kg	mg/kg	mg/kg	
06135	Lead	7439-92-1	6.19	0.0371	0.248	2
	The matrix spike and matrix spike duplicate were out of specification for lead. The recovery of the post digestion spike performed on the background sample was 99%.					
	SW-846 7471A		mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.318	0.0134	0.117	1
Wet Chemistry						
	SM20 2540 G		%	%	%	
00111	Moisture	n.a.	20.0	0.50	0.50	1
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.					

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06135	Lead	SW-846 6020	1	101656150001A	06/15/2010 11:01	Choon Y Tian	2
00159	Mercury	SW-846 7471A	1	101655711001	06/15/2010 10:25	Damary Valentin	1
06150	ICP/MS SW-846 Solid Digest	SW-846 3050B	1	101656150001	06/14/2010 21:08	Annamaria Stipkovits	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	101655711001	06/15/2010 02:05	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	10165820004B	06/14/2010 16:12	Scott W Freisher	1

Quality Control Summary

 Client Name: CRG-E.I.DuPont de Nemours & Co
 Reported: 06/17/10 at 09:17 AM

Group Number: 1198570

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: 101655711001 Mercury	Sample number(s): 6005070-6005072 N.D.			0.0111 0.0964 mg/kg	85		68-133		
Batch number: 101656150001A Lead	Sample number(s): 6005071-6005072 N.D.			0.0300 0.200 mg/kg	104		80-120		
Batch number: 10165820004B Moisture	Sample number(s): 6005070-6005072				100		99-101		

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
 Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>RPD MAX</u>	<u>BKG Conc</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>	
Batch number: 101655711001 Mercury	Sample number(s): 6005070-6005072 136* 158*			80-120	5	20	0.504	0.692	31*	20
Batch number: 101656150001A Lead	Sample number(s): 6005071-6005072 -657 527 (2)			75-125	39*	20	92.8	86.7	7	20
Batch number: 10165820004B Moisture	Sample number(s): 6005070-6005072					BKG: P003252 17.6	17.4	2		15

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.



CHAIN OF CUSTODY LABORATORY ANALYSIS REQUEST FORM

Lab Work Order #

7032/1198570/6005070-72

Send Results to:	Contact & Company Name: Ron Kuhn/ARCADIS		Telephone: 315-247-9920		Preservative	E	E	E								Keys Preservation Key: A. H2SO4 B. HCL C. HNO3 D. NaOH E. None F. G. H. Container Information Key: 1. 40 mL Vial 2. 1 L Amber 3. 250 mL Plastic 4. 500 mL Plastic 5. Encore 6. 2 oz. Glass 7. 4 oz. Glass 8. 8 oz. Glass 9. 125 mL Plastic 10. 4 oz. Amber Matrix Key: SO- Soil W- Water T- Tissue SE- Sediment SL- Sludge A- Air NL- NAPL/Oil SW- Sample Wipe			
	Address: 6723 Towpath Rd.		Fax: -		Filtered (✓)														
	City State Zip Syracuse, NY 13214		E-mail Address: ronald.kuhn@arcadis-us.com		# of Containers	1	1	1											
	Project Name/Location (City, State): Acid Brook Delta, Pompton Lakes, NJ		Project #: B0042322.0002.00002		Container Information														
	Sampler's Printed Name: Ron Kuhn		Sampler's Signature 		PARAMETER ANALYSIS & METHOD														
				<div style="display: flex; justify-content: space-around;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Total Mercury (Method 7891)</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Total Mercury (Method 7891) and Lead</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">MS/MSD</div> </div>															
Sample ID		Collection		Type		Matrix													
		Date	Time	Comp	Grab														
POM-S-536-302D(8.0-8.5)		06/10/10	1330		X	SO	X												
POM-S-536-356(7.0-7.5)		6/10/10	1430		X	SO		X											
POM-S-536-357(6.0-6.5)		6/10/10	1500		X	SO		X											
Special Instructions/Comments: 72 HOUR Turnaround												<input type="checkbox"/> Special QA/QC Instructions (✓)							
Laboratory Information and Receipt				Relinquished By				Received By				Relinquished By				Laboratory Received By			
Lab Name: Lancaster Labs				Cooler Custody Seal (✓)				Printed Name: Ron Kuhn				Printed Name:				Printed Name:			
<input checked="" type="checkbox"/> Cooler packed with ice (✓)				<input checked="" type="checkbox"/> Intact <input type="checkbox"/> Not Intact				Signature:				Signature:				Signature:			
Specify Turnaround Requirements: 72 HR.				Sample Receipt:				Firm: ARCADIS				Firm:				Firm:			
Shipping Tracking #: Courier				Condition/Cooler Temp: 4.5°C				Date/Time: 6/11/10, 1600				Date/Time:				Date/Time: 7:35			

**Environmental Sample Administration
Receipt Documentation Log**

Client/Project: Arcaadis
 Date of Receipt: 6/11/10
 Time of Receipt: 2135
 Source Code: 01
 Unpacker Emp. No.: 2241

Shipping Container Sealed: YES NO
 Custody Seal Present * : YES NO

* Custody seal was intact unless otherwise noted in the discrepancy section

Package: Chilled Not Chilled

Temperature of Shipping Containers							
Cooler #	Thermometer ID	Temperature (°C)	Temp Bottle (TB) or Surface Temp (ST)	Wet Ice (WI) or Dry Ice (DI) or Ice Packs (IP)	Ice Present? Y/N	Loose (L) Bagged Ice (B) or NA	Comments
1	9422	4.5	TB	WI	Y	B	
2							
3							
4							
5							
6							

Number of Trip Blanks received NOT listed on chain of custody. 0

Paperwork Discrepancy/Unpacking Problems:

Sample Administration Internal Chain of Custody			
Name	Date	Time	Reason for Transfer
<u>[Signature]</u>	<u>6/11/10</u>	<u>2050</u>	<u>Unpacking to Storage</u>
<u>[Signature]</u>	<u>6/11/10</u>	<u>2158</u>	Place in Storage or <u>Entry</u>
			Entry
			Entry

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

RL	Reporting Limit	BMQL	Below Minimum Quantitation Level
N.D.	none detected	MPN	Most Probable Number
TNTC	Too Numerous To Count	CP Units	cobalt-chloroplatinate units
IU	International Units	NTU	nephelometric turbidity units
umhos/cm	micromhos/cm	ng	nanogram(s)
C	degrees Celsius	F	degrees Fahrenheit
meq	milliequivalents	lb.	pound(s)
g	gram(s)	kg	kilogram(s)
ug	microgram(s)	mg	milligram(s)
ml	milliliter(s)	l	liter(s)
m3	cubic meter(s)	ul	microliter(s)
<	less than - The number following the sign is the <u>limit of quantitation</u> , the smallest amount of analyte which can be reliably determined using this specific test.		
>	greater than		
J	estimated value – The result is \geq the Method Detection Limit (MDL) and $<$ the Limit of Quantitation (LOQ).		
ppm	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.		
ppb	parts per billion		
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.		

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers	Inorganic Qualifiers
A TIC is a possible aldol-condensation product	B Value is $<$ CRDL, but \geq IDL
B Analyte was also detected in the blank	E Estimated due to interference
C Pesticide result confirmed by GC/MS	M Duplicate injection precision not met
D Compound quantitated on a diluted sample	N Spike sample not within control limits
E Concentration exceeds the calibration range of the instrument	S Method of standard additions (MSA) used for calculation
N Presumptive evidence of a compound (TICs only)	U Compound was not detected
P Concentration difference between primary and confirmation columns $>$ 25%	W Post digestion spike out of control limits
U Compound was not detected	* Duplicate analysis not within control limits
X,Y,Z Defined in case narrative	+ Correlation coefficient for MSA $<$ 0.995

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

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ANALYTICAL RESULTS

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

Prepared for:

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

June 22, 2010

Project: POM - DELTA UPLANDS

Submittal Date: 06/16/2010
Group Number: 1199208
PO Number: LBIO-66380
Release Number: LA28530
State of Sample Origin: NJClient Sample Description
POM-S-536-358(0.0-0.5) Grab Soil SampleLancaster Labs (LLI) #
6009072

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

ELECTRONIC Parsons
COPY TO
ELECTRONIC LLI
COPY TO
1 COPY TO Data Package Group

Attn: George Nemeth

Attn: EDD Group

Questions? Contact your Client Services Representative
Nancy J Bornholm at (717) 656-2300 Ext. 1310

Respectfully Submitted,



Max E. Snavely
Senior Specialist



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: POM-S-536-358(0.0-0.5) Grab Soil Sample
DELTA UPLANDS SPRING 2010

LLI Sample # SW 6009072
LLI Group # 1199208
Account # 07032

Project Name: POM - DELTA UPLANDS

Collected: 06/15/2010 12:20 by RK

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 06/16/2010 10:30

Reported: 06/22/2010 10:09

Discard: 07/23/2010

35800 SDG#: ABD86-01*

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010B	mg/kg	mg/kg	mg/kg	
06936	Selenium	7782-49-2	6.24 J	4.45	9.08	1
Wet Chemistry						
		SM20 2540 G	%	%	%	
00111	Moisture	n.a.	78.4	0.50	0.50	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.						

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06936	Selenium	SW-846 6010B	1	101685708001	06/18/2010 08:12	Joanne M Gates	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	101685708001	06/17/2010 19:54	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	10168820002A	06/17/2010 17:40	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Quality Control Summary

 Client Name: CRG-E.I.DuPont de Nemours & Co
 Reported: 06/22/10 at 10:09 AM

Group Number: 1199208

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: 101685708001 Selenium	Sample number(s): 6009072 N.D.	0.980	2.00	mg/kg	100		79-122		
Batch number: 10168820002A Moisture	Sample number(s): 6009072				100		99-101		

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
 Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>RPD MAX</u>	<u>BKG Conc</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>
Batch number: 101685708001 Selenium	Sample number(s): 6009072 104	UNSPK: P007579 103	BKG: P007579 75-125	1	20	N.D.	N.D.	0 (1)	20
Batch number: 10168820002A Moisture	Sample number(s): 6009072	BKG: P006208				12.2	12.2	0	15

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.



CHAIN OF CUSTODY LABORATORY ANALYSIS REQUEST FORM

Lab Work Order #

7032/1199209/6009072

Send Results to:	Contact & Company Name: Ron Kuhn/ARCADIS		Telephone: 315-247-9920		Preservative	E	E									Keys Preservation Key: A. H2SO4 B. HCL C. HNO3 D. NaOH E. None F. G. H. Container Information Key: 1. 40 mL Vial 2. 1 L Amber 3. 250 mL Plastic 4. 500 mL Plastic 5. Encore 6. 2 oz. Glass 7. 4 oz. Glass 8. 8 oz. Glass 9. 125 mL Plastic 10. 4 oz. Amber Matrix Key: SO- Soil W- Water T- Tissue SE- Sediment SL- Sludge A- Air NL- NAP/OL SW- Sample Wipe			
	Address: 6723 Towpath Rd.		Fax: --		Filtered (✓)														
	City State Zip Syracuse, NY 13214		E-mail Address: ronald.kuhn@arcadis-us.com		# of Containers	1	1												
	Project Name/Location (City, State): Acid Brook Delta, Pompton Lakes, NJ		Project #: B0042322.0002.00002		Container Identification														
	Sampler's Printed Name: Ron Kuhn		Sampler's Signature <i>Ron Kuhn</i>		PARAMETER ANALYSIS & METHOD														
					Selenium	MS/MSD													
Sample ID	Collection Date	Time	Type		Matrix														
POM-S-536-358(0.0-0.5)	06/15/10	1220		Comp Grab	X	SO	X												
REMARKS																			
Special Instructions/Comments: 72 HOUR Turnaround																			
<input type="checkbox"/> Special QA/QC Instructions (✓)																			
Laboratory Information and Receipt				Relinquished By				Received By				Relinquished By				Laboratory Received By			
Lab Name: Lancaster Labs		Cooler Custody Seal (✓)		Printed Name: Ron Kuhn		Printed Name:		Printed Name:		Printed Name:		Printed Name:		Printed Name:		Printed Name: Wesley Miller			
<input checked="" type="checkbox"/> Cooler packed with ice (✓)		<input checked="" type="checkbox"/> Intact <input type="checkbox"/> Not Intact		Signature: <i>Ron Kuhn</i>		Signature:		Signature:		Signature:		Signature:		Signature:		Signature:			
Specify Turnaround Requirements: 72 HR.		Sample Receipt:		Firm: ARCADIS		Firm:		Firm:		Firm:		Firm:		Firm: LCI		Firm:			
Shipping Tracking #: Courier		Condition/Cooler Temp: Intact 2.6°C		Date/Time: 6/16/10, 1300		Date/Time:		Date/Time:		Date/Time:		Date/Time:		Date/Time: 6/16/10 1030		Date/Time:			

**Environmental Sample Administration
Receipt Documentation Log**

Client/Project: Arcadis
 Date of Receipt: 6/16/10
 Time of Receipt: 2030
 Source Code: 01
 Unpacker Emp. No.: 2308

Shipping Container Sealed: YES NO

Custody Seal Present * : YES NO

* Custody seal was intact unless otherwise noted in the discrepancy section

Package: Chilled Not Chilled

Temperature of Shipping Containers							
Cooler #	Thermometer ID	Temperature (°C)	Temp Bottle (TB) or Surface Temp (ST)	Wet Ice (WI) or Dry Ice (DI) or Ice Packs (IP)	Ice Present? Y/N	Loose (L) Bagged Ice (B) or NA	Comments
1	0129951	2.6°	TB	WI	Y	B	
2	↓	4.0°	↓	↓	↓	↓	
3							
4							
5							
6							

Number of Trip Blanks received NOT listed on chain of custody. 0

Paperwork Discrepancy/Unpacking Problems:

Pum-S-536-320(4.0-4.5) MS/MSD time=1015
Pum-S-536-119D(1.0-1.5) = P0Pum-S-536-119D(1.0-1.5)
Pum-S-536-307(3.0-3.5), (4.0-4.5), (2.0-2.5)-Dup, and (4.0-4.5) MS/MSD time=1400

Sample Administration Internal Chain of Custody			
Name	Date	Time	Reason for Transfer
<i>[Signature]</i>	6/16/10	2115	Unpacking to Storage
<i>[Signature]</i>	6/16/10	2153	Place in Storage or Entry
			Entry
			Entry

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

RL	Reporting Limit	BMQL	Below Minimum Quantitation Level
N.D.	none detected	MPN	Most Probable Number
TNTC	Too Numerous To Count	CP Units	cobalt-chloroplatinate units
IU	International Units	NTU	nephelometric turbidity units
umhos/cm	micromhos/cm	ng	nanogram(s)
C	degrees Celsius	F	degrees Fahrenheit
meq	milliequivalents	lb.	pound(s)
g	gram(s)	kg	kilogram(s)
ug	microgram(s)	mg	milligram(s)
ml	milliliter(s)	l	liter(s)
m3	cubic meter(s)	ul	microliter(s)
<	less than - The number following the sign is the <u>limit of quantitation</u> , the smallest amount of analyte which can be reliably determined using this specific test.		
>	greater than		
J	estimated value – The result is \geq the Method Detection Limit (MDL) and $<$ the Limit of Quantitation (LOQ).		
ppm	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.		
ppb	parts per billion		
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.		

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers	Inorganic Qualifiers
A TIC is a possible aldol-condensation product	B Value is $<$ CRDL, but \geq IDL
B Analyte was also detected in the blank	E Estimated due to interference
C Pesticide result confirmed by GC/MS	M Duplicate injection precision not met
D Compound quantitated on a diluted sample	N Spike sample not within control limits
E Concentration exceeds the calibration range of the instrument	S Method of standard additions (MSA) used for calculation
N Presumptive evidence of a compound (TICs only)	U Compound was not detected
P Concentration difference between primary and confirmation columns $>$ 25%	W Post digestion spike out of control limits
U Compound was not detected	* Duplicate analysis not within control limits
X,Y,Z Defined in case narrative	+ Correlation coefficient for MSA $<$ 0.995

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

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APPENDIX E

Table 1
Sample Summary and XRF Results
Acid Brook Delta Uplands

Area	Proposed Depth, Analyte(s)			Initial Sample				Step Out 1				Step Out 2				Step Out 3								
	Surface (0-0.5 foot) Criteria (ppm)			BoringID	Top (feet)	400	20.5	390	3100	BoringID	Top (feet)	400	20.5	390	BoringID	Top (feet)	400	20.5	390	BoringID	Top (feet)	400	20.5	390
	Subsurface (>0.5 foot) NDRDCSRS					400	23	5.05	1100			400	23	5.05			400	23	5.05			400	23	5.05
	Top (feet)	Analyte(s)	Delineating	Lead (ppm)	Mercury (ppm)	Selenium (ppm)	Copper (ppm)	Lead (ppm)	Mercury (ppm)	Selenium (ppm)	Lead (ppm)	Mercury (ppm)	Selenium (ppm)	Lead (ppm)	Mercury (ppm)	Selenium (ppm)	Lead (ppm)	Mercury (ppm)	Selenium (ppm)					
A	2	Hg	vertical	536N-36D	2		ND<10																	
A	0.5	Hg	vertical	536N-15D	0.5		NR, rock																	
A	0	Hg, Se	horizontal	536N-273	0		12	ND<3																
A	1.5	Hg	horizontal	536N-273	1.5		12																	
A	1.5	Pb, Hg	horizontal	536N-274	1.5	ND<8	ND<8																	
A	0	Pb, Hg, Se	horizontal	536N-275	0	177	22	6	536N-334	0		30												
A	1.5	Pb, Hg	horizontal	536N-275	1.5	265	51			1.5		ND<8												
A	0	Pb, Hg, Se	horizontal	536N-276	0	75	12	ND<4	536N-346	0		NA												
A	1.5	Pb, Hg	horizontal	536N-276	1.5	ND<8	ND<8																	
A	1.5	Pb, Hg	horizontal	536N-277	1.5	13	ND<8																	
B	0	Pb, Se	horizontal	536N-278	0	105		4																
B	0	Pb, Se	horizontal	536N-279	0	61		ND<2	536N-347															
B	0.5	Pb, Se	vertical & bottom	536N-6D	0.5	271		7																
B	0	Pb	horizontal	536N-280	0	792			536N-326	0	221													
B	0	Pb	horizontal	536N-281	0	503			536N-327	0	387													
B	0	Hg	horizontal	536N-282	0		35		536N-329	0		ND<7		536N-344	0	NA			536N-345	0		NA		
B	1,2,3,4,5	Pb, Hg	horizontal	536N-282	1	285	313			1		40		1	12			1	NA		1	NA		
					2	480	896			2	348	412		2	39			2			2	205		
					3	47	96			3		ND<7												
					4	ND<7	ND<7																	
B	0,1,2,3,4,5	Pb, Hg	horizontal	536N-283	5	ND<7	ND<6																	
					0	77	ND<7																	
					1	99	ND<9																	
					2	298	568																	
					3	16	12																	
					4	ND<7	ND<6																	
B	1,2,3,4,5	Pb, Hg	horizontal	536N-284	5	ND<8	ND<9																	
					1	614	917																	
					2	19	31																	
					3	ND<8	ND<7																	
					4	12	ND<7																	
B	1,2,3,4,5	Pb, Hg	horizontal	536N-285	5	ND<7	ND<7																	
					1	237	207		536N-332	1		770		536N-342	1	739			536N-343	1		ND<8		
					2	357	402			2		100			2	68				2		ND<7		
					3	403	586			3		31			3	28				3		152		
					4	15	21			4		24			4	827				4		146		
					5	342	423			5		13			5	NA				5		NA		
B	4	Pb, Hg	bottom	536N-70D	4	11	14																	
B	0,1,2,3	Pb, Hg	horizontal	536N-286	0	555	27		536N-330	0	NA, 275	8, 30		536N-338	0	NA			536N-339	0		NA		
					1	184	23			1	NA, NA	122, 10			1	16				1		NA		
					2	540	956			2	191, 211	226, 447			2	12				2		NA		
					3	36	60			3	NA, NA	852, 1981			3	1222				3		750		
B	0,1,2,3	Pb, Hg	horizontal	536N-287	0	564	240		536N-331	0	356	57		536N-340	0	54			536N-341	0		30		
					1	153	13			1	NA	NA			1	NA				1		NA		
					2	338	593			2	25	25			2	300				2		2488		
					3	27	24			3	NA	11												
B	0,1,2,3	Pb, Hg	horizontal	536N-288	1	355	11																	
					2	494	1017																	
					3	39	65																	
					4	462	19																	
B	1,2,3	Pb, Hg	horizontal	536N-289	1	21	10																	
					2	230	429																	
					3	95	135																	
B	1,2,3	Pb, Hg	bottom	536N-290	0	NA	NA		536N-336	0	177	17		536N-337	0	NA								
					1	233	161			1	NA	151			1	489								
					2	541	735			2	NR	472			2	39								
					3	313	451			3	NA	15			3	NA								
B	1,2,3	Pb, Hg	bottom	536N-291	1	116	98		536N-290D	REFUSAL, MOVE TO 290D2				536N-290D2										
					2	86	263																	
					3	NA	365		536N-291D	4		12												

**Table 1
Sample Summary and XRF Results
Acid Brook Delta Uplands**

Area	Proposed Depth, Analyte(s)			Initial Sample				Step Out 1				Step Out 2				Step Out 3									
	Surface (0-0.5 foot) Criteria (ppm)			BoringID	Top (feet)	400	20.5	390	3100	BoringID	Top (feet)	400	20.5	390	BoringID	Top (feet)	400	20.5	390	BoringID	Top (feet)	400	20.5	390	
	Subsurface (>0.5 foot) NDRDCSRS					Lead (ppm)	Mercury (ppm)	Selenium (ppm)	Copper (ppm)			Lead (ppm)	Mercury (ppm)	Selenium (ppm)			Lead (ppm)	Mercury (ppm)	Selenium (ppm)			Lead (ppm)	Mercury (ppm)	Selenium (ppm)	
	Top (feet)	Analyte(s)	Delineating																						
B	1,2,3	Pb, Hg	bottom	536N-292	1	76	228																		
					2	319	829																		
					3	ND<8	ND<8																		
B	1,2,3	Pb, Hg	bottom	536N-293	Not Collected, under water																				
B	1,2,3	Pb, Hg	bottom	536N-294	1	283	694																		
					2	NA	55																		
					3	NA	9																		
B	1,2,3	Pb, Hg	bottom	536N-295	1	593	425																		
					2	11	ND<8																		
					3	ND<7	ND<7																		
B	1,2,3	Pb, Hg	bottom	536N-296	1	819	1231																		
					2	62	64																		
					3	117	89																		
B	1,2,3	Pb, Hg	bottom	536N-297	1	35	12		536N-296D	REFUSAL, MOVE TO 296D2				536N-296D2	4		ND<9								
					2	NA	NA																		
					3	NA	NA																		
B	1,2,3	Pb, Hg	bottom	536N-298	Not Collected, under water																				
C	0	Pb, Hg, Se	horizontal	536N-299	0	129	16	9	536N-335	0		NA													
C	1,2,3	Pb, Hg	horizontal	536N-299	1	186	18			1		NA													
					2	374	89			2		ND<8													
					3	207	44			3		ND<9													
C	1,2,3,4	Pb, Hg	vertical & bottom	536N-19D	1	347	44																		
					2	245	30																		
					3	19	37																		
					4	674	389																		
C	0	Pb, Se	horizontal	536N-300	0	57		3	536N-19D2	5	NR	10													
C	0	Pb, Se	horizontal	536N-305	0	183		ND<3	536N-348																
C	1,2,3,4	Pb, Hg	vertical & bottom	536N-33D	1	309	57																		
					2	NA	17																		
					3	NA	NA																		
					4	NA	NA																		
C	1,2,3,4,5	Pb, Hg	vertical & bottom	536N-34D	1	400	61																		
					2	588	120																		
					3	167	27																		
					4	1578	570																		
					5	22	23																		
C	1	Pb, Hg, Cu	vertical	536N-35D	1	367	53		617	536N-34D2	6	9													
										536N-35D2	2	50													
											3	57													
											4	154													
											5	185													
											6	58													
											7	ND<9													
C	4	Pb, Hg	vertical	536N-116D	4	472	99																		
C	4	Pb, Hg	vertical	536N-118D	4	881	219																		
					4.5	1312	942			536N-118D2	6	NR	56												
											7	NR	ND<8												
C	1	Pb, Hg	vertical	536N-119D	Not Collected, under water																				
C	4	Hg	vertical & bottom	536N-5D	Not Collected, under water																				
C	1,2,3,4	Pb, Hg	bottom	536N-306	1	381	68																		
					2	739	213																		
					3	45	ND<7																		
					4	NA	NA																		
C	1,2,3,4	Pb, Hg	bottom	536N-307	Not Collected, under water																				
C	1,2,3,4	Pb, Hg	bottom	536N-308	Not Collected, under water																				
C	1,2,3,4,5,6	Pb, Hg	bottom	536N-309	Not Collected, under water																				
C	1,2,3,4,5,6	Pb, Hg	bottom	536N-310	1	933	36																		
					2	573	179																		
					3	148	33																		

**Table 1
Sample Summary and XRF Results
Acid Brook Delta Uplands**

Area	Proposed Depth, Analyte(s)			Initial Sample				Step Out 1			Step Out 2			Step Out 3						
	Surface (0-0.5 foot) Criteria (ppm)			BoringID	Top (feet)	400	20.5	390	3100	BoringID	Top (feet)	400	20.5	390	BoringID	Top (feet)	400	20.5	390	
	Subsurface (>0.5 foot) NDRDCSRS					Lead (ppm)	Mercury (ppm)	Selenium (ppm)	Copper (ppm)			Lead (ppm)	Mercury (ppm)	Selenium (ppm)			Lead (ppm)	Mercury (ppm)	Selenium (ppm)	
	Top (feet)	Analyte(s)	Delineating	Lead (ppm)	Mercury (ppm)	Selenium (ppm)	Copper (ppm)	Lead (ppm)	Mercury (ppm)	Selenium (ppm)	Lead (ppm)	Mercury (ppm)	Selenium (ppm)	Lead (ppm)	Mercury (ppm)	Selenium (ppm)				
					4	NA	88													
					5	NA	1469													
					6	NA	ND<7													
C	1,2,3,4,5,6	Pb, Hg	bottom	536N-311	Not Collected, under water															
C	1,2,3,4,5,6	Pb, Hg	bottom	536N-312	Not Collected, under water															
C	1,2,3,4,5,6	Pb, Hg	bottom	536N-313	1	183	16													
					2	219	41													
					3	52	10													
					4	319	51													
					5	1746	633													
					6	68	21													
C	1,2,3,4,5,6	Pb, Hg	bottom	536N-314	1	406	51													
					2	304	40													
					3	NA	42													
					4	NA	12													
					5	NA	NA													
					6	NA	NA													
C	1,2,3,4,5,6	Pb, Hg	bottom	536N-315	1	296	40													
					2	NA	79													
					3	NA	92													
					4	NA	25													
					5	NA	33													
					6	NA	318													
					7	NA	8													
C	1,2,3,4,5,6	Pb, Hg	bottom	536N-316	1	180	88													
					2	428	107													
					3	1653	365													
					4	270	278													
					5	NA	ND<6													
					6	NA	NA													
C	1,2,3,4,5,6	Pb, Hg	bottom	536N-317	1	367	75													
					2	515	145													
					3	1298	302													
					4	NA<7	ND<8													
					5	NA	NA													
					6	NA	NA													
C	1,2,3,4,5,6	Pb, Hg	bottom	536N-318	Not Collected, under water															
C	1,2,3,4,5,6	Pb, Hg	bottom	536N-319	Not Collected, under water															
C	1,2,3,4,5,6	Pb, Hg	bottom	536N-320	Not Collected, under water															
C	1,2,3,4,5,6	Pb, Hg	bottom	536N-266	Not Collected, under water															
C	1,2,3,4,5,6	Pb, Hg	bottom	536N-267	Not Collected, under water															
C	1,2,3,4,5,6	Pb, Hg	bottom	536N-268	Not Collected, under water															
C	1,2,3,4,5,6	Pb, Hg	bottom	536N-269	Not Collected, under water															
C	1,2,3,4,5,6	Pb, Hg	bottom	536N-270	Not Collected, under water															
C	1,2,3,4,5,6	Pb, Hg	bottom	536N-271	Not Collected, under water															
C	1,2,3,4,5,6	Pb, Hg	bottom	536N-272	Not Collected, under water															
C:D1	5.5	Hg	vertical & bottom	536N-32D	5.5		90			536N-32D2	6.5		332			536N-302D				
											7.5		190							
C:D1	0	Pb, Se	horizontal	536N-301	0	126				536N-333	5		15							
C:D1	5	Hg	horizontal	536N-301	5		72													
C:D1	5	Hg	horizontal	536N-302	5		93													
C:D1	5	Hg	horizontal	536N-303	5		190													
					5.5		35													
C:D1	5	Hg	horizontal	536N-304	5		53													
C:D2	5.5	Pb, Hg	vertical & bottom	536N-20D	5.5	173	36			536N-20D2	6		ND<9							
C:D2	5.5	Hg	vertical & bottom	536N-1D	5.5		ND<7													
C:D2	5.5	Hg	vertical & bottom	536N-21D	5.5		548													
					6		82			536N-21D2	7		ND<7							
C:D2	5	Pb, Hg	horizontal	536N-321	5	8	ND<7													

**Table 1
Sample Summary and XRF Results
Acid Brook Delta Uplands**

Area	Proposed Depth, Analyte(s)			Initial Sample				Step Out 1					Step Out 2					Step Out 3							
	Surface (0-0.5 foot) Criteria (ppm)			BoringID	Top (feet)	400	20.5	390	3100	BoringID	Top (feet)	400	20.5	390	BoringID	Top (feet)	400	20.5	390	BoringID	Top (feet)	400	20.5	390	
	Subsurface (>0.5 foot) NDRDCSRS					Lead (ppm)	Mercury (ppm)	Selenium (ppm)	Copper (ppm)			Lead (ppm)	Mercury (ppm)	Selenium (ppm)			Lead (ppm)	Mercury (ppm)	Selenium (ppm)			Lead (ppm)	Mercury (ppm)	Selenium (ppm)	
	Top (feet)	Analyte(s)	Delineating	Lead (ppm)	Mercury (ppm)	Selenium (ppm)	Copper (ppm)	Lead (ppm)	Mercury (ppm)	Selenium (ppm)	Lead (ppm)	Mercury (ppm)	Selenium (ppm)	Lead (ppm)	Mercury (ppm)	Selenium (ppm)	Lead (ppm)	Mercury (ppm)	Selenium (ppm)	Lead (ppm)	Mercury (ppm)	Selenium (ppm)	Lead (ppm)	Mercury (ppm)	Selenium (ppm)
C:D2	5	Pb, Hg	horizontal	536N-322	5	225	685																		
C:D2	5	Pb, Hg	horizontal	536N-323	5.5	525	432																		
C:D2	5	Hg	horizontal	536N-324	5	998	388																		
E1	0	Pb	bottom	536N-25D	0	101	needed 0.5-1'		536N-349																
E1	0	Pb	horizontal	536N-235	0	184																			
E1	0	Pb	horizontal	536N-236	0	442			536N-328	0	91														
E1	0	Pb	horizontal	536N-237	0	220																			
E1	3	Pb	bottom	536N-26D	3	91	needed 3.5-4'		536N-350																
E1	3	Pb	horizontal	536N-238	3	80			536N-351																
E1	3	Pb	horizontal	536N-239	3	53																			
E1	3	Pb	horizontal	536N-240	3	22																			
E1	3	Pb	horizontal	536N-241	3	237																			
E2	2	Pb	bottom	536N-31D	2	371																			
E2	1.5	Pb	horizontal	536N-242	1.5	294																			
E2	1.5	Pb	horizontal	536N-243	1.5	279																			
E2	1.5	Pb	horizontal	536N-244	1.5	105																			
E2	1.5	Pb	horizontal	536N-245	1.5	74																			
E3	1	Pb	bottom	536N-80D	1	338																			
E3	0	Pb	horizontal	536N-246	0	NR																			
E3	0	Pb	horizontal	536N-247	0	154																			
E3	0	Pb	horizontal	536N-248	0	170																			
E3	0	Pb	horizontal	536N-249	0	NR																			
E4	6.5	Pb, Hg	vertical & bottom	536N-64D	Not collected: refusal at depth, large cobble and gravel. Resampled during spring event.				536N-356					536N-356D											
E4	6	Pb, Hg	horizontal	536N-250	6	ND<7	ND<6																		
E4	6	Pb, Hg	horizontal	536N-251	6	ND<8	ND<8																		
E4	6	Pb, Hg	horizontal	536N-252	Not Collected, under water. Location moved and sampled during spring event.				536N-357																
E4	6	Pb, Hg	horizontal	536N-253	6	ND<8	ND<9																		
E5	5	Pb	horizontal	536N-254	5	ND<10																			
E5	5	Pb	horizontal	536N-255	5	ND<8																			
E5	5	Pb	horizontal	536N-256	5	482																			
E5	5	Pb	horizontal	536N-257	5	ND<8																			
E6	3.5	Pb	vertical & bottom	536N-58D	3.5	16																			
E6	3	Pb	horizontal	536N-258	3	12																			
E6	3	Pb	horizontal	536N-259	3	28																			
E6	3	Pb	horizontal	536N-260	3	ND<9																			
E6	3	Pb	horizontal	536N-261	3	ND<9																			
E7	0.5	Hg	vertical & bottom	536N-50D	0.5		ND<11																		
E7	0	Hg	horizontal	536N-262	0		ND<9		536N-325	0		12													
E7	0	Hg	horizontal	536N-263	0		37																		
E7	0	Hg	horizontal	536N-264	0		12																		
E7	0	Hg	horizontal	536N-265	0		ND<6																		

Notes: Cu = copper
Pb = lead
Hg = mercury
Se = selenium
Top = top depth of 6-inch sample
NA = Not analyzed
NR = Not recorded
ND< = Not detected above limit shown

Table 2
Field XRF Results versus Lancaster Laboratory Results
Delta Uplands

Area	SRCNAME or Boring ID	TOP (feet)	BOTTOM (feet)	DATE SAMPLED	Duplicate	ANALYTE	XRF Result (mg/kg)	Lancaster RESULT (mg/kg)	Surface (0-0.5') Criteria (mg/kg)	Subsurface (>0.5') NJ RDC SRS (mg/kg)	Above Criteria?
A	536N-273	0	0.5	03-Dec-09		MERCURY	12	3.51	20.5		-
A	536N-273	0	0.5	03-Dec-09		SELENIUM	ND<3	ND (1.17)	5.05		-
A	536N-273	1.5	2	03-Dec-09		MERCURY	12	2.83		23	-
A	536N-274	1.5	2	03-Dec-09		LEAD	ND<8	5.13		400	-
A	536N-274	1.5	2	03-Dec-09		MERCURY	ND<8	0.051 J		23	-
A	536N-276	0	0.5	01-Dec-09		LEAD	75	50.5	400		-
A	536N-276	0	0.5	01-Dec-09		MERCURY	12	5.09	20.5		-
A	536N-276	0	0.5	01-Dec-09		SELENIUM	ND<4	3.64	5.05		-
A	536N-276	1.5	2	04-Dec-09		LEAD	ND<8	3.55		400	-
A	536N-276	1.5	2	04-Dec-09		MERCURY	ND<8	0.0148 J		23	-
A	536N-277	1.5	2	22-Dec-09		LEAD	13	35.1 J		400	-
A	536N-277	1.5	2	22-Dec-09		MERCURY	ND<8	4.17		23	-
A	536N-334	1.5	2	22-Dec-09		MERCURY	ND<8	0.0249 J		23	-
A	536N-36D	2	2.5	21-Dec-09		MERCURY	ND<10	4.7		23	-
A->C	536N-275	0	0.5	02-Dec-09		LEAD	177	302	400		-
A->C	536N-275	0	0.5	02-Dec-09		MERCURY	22	22.9	20.5		YES
A->C	536N-275	0	0.5	02-Dec-09		SELENIUM	6	12.8	5.05		YES
A->C	536N-275	1.5	2	01-Dec-09		LEAD	265	424		400	YES
B	536N-278	0	0.5	01-Dec-09		LEAD	105	126	400		-
B	536N-278	0	0.5	01-Dec-09		SELENIUM	4	4.23	5.05		-
B	536N-279	0	0.5	01-Dec-09		LEAD	61	324	400		-
B	536N-279	0	0.5	01-Dec-09		SELENIUM	ND<2	7.68 J	5.05		YES
B	536N-282	1	1.5	07-Dec-09		LEAD	285	353		400	-
B	536N-282	3	3.5	07-Dec-09		LEAD	47	5.61		400	-
B	536N-282	4	4.5	07-Dec-09		LEAD	ND<7	12.7		400	-
B	536N-282	4	4.5	07-Dec-09		MERCURY	ND<7	17.3 J		23	-
B	536N-282	5	5.5	07-Dec-09		LEAD	ND<7	8.76		400	-
B	536N-282	5	5.5	07-Dec-09		MERCURY	ND<6	1.12 J		23	-
B	536N-283	0	0.5	14-Dec-09		LEAD	77	311	400		-
B	536N-283	0	0.5	14-Dec-09		MERCURY	ND<7	25.9	20.5		YES
B	536N-283	1	1.5	07-Dec-09		LEAD	99	235		400	-
B	536N-283	1	1.5	07-Dec-09		MERCURY	ND<9	9.8 J		23	-
B	536N-283	2	2.5	07-Dec-09		LEAD	298	1370		400	YES
B	536N-283	3	3.5	07-Dec-09		LEAD	16	10.7		400	-
B	536N-283	3	3.5	07-Dec-09		MERCURY	12	7.45 J		23	-
B	536N-283	4	4.5	07-Dec-09		LEAD	ND<7	4.25		400	-
B	536N-283	4	4.5	07-Dec-09		MERCURY	ND<6	0.211 J		23	-
B	536N-283	5	5.5	07-Dec-09		LEAD	ND<8	6.12		400	-
B	536N-283	5	5.5	07-Dec-09		MERCURY	ND<9	0.0229 J		23	-
B	536N-284	2	2.5	07-Dec-09		LEAD	19	16.5		400	-
B	536N-284	3	3.5	07-Dec-09		LEAD	ND<8	4.89		400	-
B	536N-284	3	3.5	07-Dec-09		MERCURY	ND<7	0.042 J		23	-
B	536N-284	4	4.5	07-Dec-09		LEAD	12	12.3		400	-
B	536N-284	4	4.5	07-Dec-09		MERCURY	NJ<7	ND (0.0158)		23	-
B	536N-284	5	5.5	07-Dec-09		LEAD	ND<7	3.82		400	-
B	536N-284	5	5.5	07-Dec-09		MERCURY	ND<7	0.0557 J		23	-
B	536N-285	1	1.5	10-Dec-09		LEAD	237	609		400	YES
B	536N-285	2	2.5	10-Dec-09		LEAD	357	826		400	YES
B	536N-285	2	2.5	10-Dec-09	DUP	LEAD	357	776		400	YES
B	536N-285	4	4.5	10-Dec-09		LEAD	15	20.5		400	-
B	536N-285	5	5.5	10-Dec-09		LEAD	342	1040		400	YES
B	536N-286	1	1.5	04-Dec-09		LEAD	184	77.6		400	-
B	536N-286	3	3.5	04-Dec-09		LEAD	36	131		400	-
B	536N-287	1	1.5	04-Dec-09		LEAD	153	91.1		400	-

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Delta Uplands

Area	SRCNAME or Boring ID	TOP (feet)	BOTTOM (feet)	DATE SAMPLED	Duplicate	ANALYTE	XRF Result (mg/kg)	Lancaster RESULT (mg/kg)	Surface (0-0.5') Criteria (mg/kg)	Subsurface (>0.5') NJ RDC SRS (mg/kg)	Above Criteria?
B	536N-287	1	1.5	04-Dec-09		MERCURY	13	5.35		23	-
B	536N-287	2	2.5	04-Dec-09		LEAD	338	301		400	-
B	536N-287	3	3.5	04-Dec-09		LEAD	27	166		400	-
B	536N-288	1	1.5	08-Dec-09		LEAD	355	510		400	YES
B	536N-288	1	1.5	08-Dec-09		MERCURY	11	8.03 J		23	-
B	536N-288	3	3.5	08-Dec-09		LEAD	39	133		400	-
B	536N-289	1	1.5	07-Dec-09		LEAD	21	50.2		400	-
B	536N-289	1	1.5	07-Dec-09		MERCURY	10	4.8 J		23	-
B	536N-289	2	2.5	07-Dec-09		LEAD	230	260		400	-
B	536N-289	3	3.5	07-Dec-09		LEAD	95	840		400	YES
B	536N-290	3	3.5	02-Dec-09		LEAD	313	235		400	-
B	536N-291	1	1.5	03-Dec-09		LEAD	116	189		400	-
B	536N-292	1	1.5	09-Dec-09		LEAD	76	116		400	-
B	536N-292	2	2.5	09-Dec-09		LEAD	319	1090		400	YES
B	536N-292	3	3.5	09-Dec-09		LEAD	ND<8	5.4		400	-
B	536N-292	3	3.5	09-Dec-09		MERCURY	ND<8	0.464 J		23	-
B	536N-294	1	1.5	10-Dec-09		LEAD	283	626		400	YES
B	536N-294	3	3.5	10-Dec-09		MERCURY	9	0.536 J		23	-
B	536N-295	2	2.5	08-Dec-09	DUP	LEAD	11	6.25		400	-
B	536N-295	2	2.5	08-Dec-09		LEAD	11	6.17		400	-
B	536N-295	2	2.5	08-Dec-09	DUP	MERCURY	ND<8	0.353 J		23	-
B	536N-295	2	2.5	08-Dec-09		MERCURY	ND<8	0.226 J		23	-
B	536N-295	3	3.5	08-Dec-09		LEAD	ND<7	23.5		400	-
B	536N-295	3	3.5	08-Dec-09		MERCURY	ND<7	8.92 J		23	-
B	536N-296	3	3.5	02-Dec-09		LEAD	117	324		400	-
B	536N-297	1	1.5	02-Dec-09		LEAD	35	8.79		400	-
B	536N-297	1	1.5	02-Dec-09	DUP	LEAD	35	4.96		400	-
B	536N-297	1	1.5	02-Dec-09	DUP	MERCURY	12	0.187		23	-
B	536N-297	1	1.5	02-Dec-09		MERCURY	12	0.0639 J		23	-
B	536N-326	0	0.5	18-Dec-09		LEAD	221	303	400		-
B	536N-329	0	0.5	18-Dec-09		MERCURY	ND<7	29.3	20.5		YES
B	536N-329	2	2.5	18-Dec-09		LEAD	348	922		400	YES
B	536N-329	3	3.5	18-Dec-09		MERCURY	ND<7	0.518		23	-
B	536N-330	0	0.5	22-Dec-09		LEAD	275	227 J	400		-
B	536N-330	0	0.5	17-Dec-09		MERCURY	8	43.1	20.5		YES
B	536N-330	1	1.5	22-Dec-09		MERCURY	10	3.44		23	-
B	536N-330	2	2.5	22-Dec-09		LEAD	191	299 J		400	-
B	536N-330	2	2.5	17-Dec-09		LEAD	211	386		400	-
B	536N-330	2	2.5	17-Dec-09	DUP	LEAD	191	346		400	-
B	536N-331	0	0.5	22-Dec-09		LEAD	356	522 J	400		YES
B	536N-331	2	2.5	22-Dec-09		LEAD	25	6.06 J		400	-
B	536N-331	3	3.5	22-Dec-09		MERCURY	11	1.3		23	-
B	536N-332	5	5.5	22-Dec-09		MERCURY	13	0.189		23	-
B	536N-336	0	0.5	07-Jan-10		LEAD	177	1050	400		YES
B	536N-336	0	0.5	07-Jan-10		MERCURY	17	103	20.5		YES
B	536N-338	3	3.5	07-Jan-10		MERCURY	15	14		23	-
B	536N-338	1	1.5	06-Jan-10		MERCURY	16	3.62		23	-
B	536N-348	2	2.5	06-Jan-10		MERCURY	12	9.91		23	-
B	536N-343	1	1.5	07-Jan-10		MERCURY	ND<8	7.59		23	-
B	536N-343	1	1.5	07-Jan-10	DUP	MERCURY	ND<8	5.23		23	-
B	536N-343	2	2.5	07-Jan-10		MERCURY	ND<7	0.405		23	-
B	536N-344	1	1.5	06-Jan-10		MERCURY	12	53.7		23	YES
B	536N-118D2	7	7.5	22-Dec-09		MERCURY	ND<7	0.0445 J		23	-
B	536N-291D	4	4.5	21-Dec-09		MERCURY	12	14.7		23	-

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B	536N-296D2	4	4.5	21-Dec-09		MERCURY		0.0342 J		23	-
B	536N-6D	0.5	1	01-Dec-09		LEAD	271	272		400	-
B	536N-70D	4	4.5	08-Dec-09		LEAD	11	15.6		400	-
B	536N-70D	4	4.5	08-Dec-09		MERCURY	14	4.84 J		23	-
C	536N-299	0	0.5	04-Dec-09		SELENIUM	9	5.51	5.05		YES
C	536N-299	0	0.5	04-Dec-09	DUP	SELENIUM	9	4.87	5.05		-
C	536N-299	1	1.5	09-Dec-09		LEAD	186	343		400	-
C	536N-299	1	1.5	09-Dec-09		MERCURY	18	12.1 J		23	-
C	536N-299	2	2.5	09-Dec-09		LEAD	374	555		400	YES
C	536N-299	3	3.5	09-Dec-09		LEAD	207	128		400	-
C	536N-300	0	0.5	01-Dec-09		LEAD	57	165	400		-
C	536N-300	0	0.5	21-Dec-09		SELENIUM	3	10	5.05		YES
C	536N-305	0	0.5	22-Dec-09		LEAD	183	174 J	400		-
C	536N-305	0	0.5	22-Dec-09		SELENIUM	ND<3	ND (1.2)	5.05		-
C	536N-306	3	3.5	21-Dec-09		LEAD	45	32.1 J		400	-
C	536N-306	3	3.5	21-Dec-09	DUP	LEAD	45	28.2 J		400	-
C	536N-306	3	3.5	21-Dec-09	DUP	MERCURY	ND<7	2.74		23	-
C	536N-306	3	3.5	21-Dec-09		MERCURY	ND<7	1.83		23	-
C	536N-310	3	3.5	16-Dec-09		LEAD	148	199		400	-
C	536N-310	6	6.5	16-Dec-09		MERCURY	ND<7	0.174		23	-
C	536N-313	6	6.5	14-Dec-09		LEAD	68	245		400	-
C	536N-313	6	6.5	14-Dec-09		MERCURY	21	61.1		23	YES
C	536N-314	2	2.5	16-Dec-09		LEAD	304	174		400	-
C	536N-314	4	4.5	16-Dec-09		MERCURY	12	7.65		23	-
C	536N-315	1	1.5	14-Dec-09		LEAD	296	478		400	YES
C	536N-315	7	7.5	14-Dec-09		MERCURY	8	1.74		23	-
C	536N-316	4	4.5	05-Jan-10		LEAD	270	660		400	YES
C	536N-316	5	5.5	05-Jan-10		MERCURY	ND<6	0.213		23	-
C	536N-317	4	4.5	05-Jan-10		LEAD	ND<7	11.8		400	-
C	536N-317	4	4.5	05-Jan-10		MERCURY	ND<8	2.71		23	-
C	536N-333	5	5.5	21-Dec-09		MERCURY	15	1.9		23	-
C	536N-335	2	2.5	22-Dec-09		MERCURY	ND<8	0.0807 J		23	-
C	536N-335	3	3.5	22-Dec-09		MERCURY	ND<9	0.066 J		23	-
C	536N-19D2	5	5.5	22-Dec-09		MERCURY	10	1.23		23	-
C	536N-1D	5.5	6	08-Dec-09		MERCURY	ND<7	26.8 J		23	YES
C	536N-33D	1	1.5	14-Dec-09		LEAD	309	394		400	-
C	536N-33D	2	2.5	14-Dec-09		MERCURY	17	12.3		23	-
C	536N-34D	5	5.5	15-Dec-09		LEAD	22	181		400	-
C	536N-34D2	6	6.5	05-Jan-10		MERCURY	9	32.6		23	YES
C	536N-35D	1	1.5	09-Dec-09		COPPER	617	880	1100		-
C	536N-35D	1	1.5	09-Dec-09		LEAD	367	630		400	YES
C	536N-35D2	7	7.5	05-Jan-10		MERCURY	ND<7	0.347		23	-
D1	536N-301	0	0.5	15-Dec-09		LEAD	126	145	400		-
D1	536N-301	0	0.5	15-Dec-09		SELENIUM	4	ND (1.13)	5.05		-
D2	536N-321	5	5.5	07-Dec-09		LEAD	8	40		400	-
D2	536N-321	5	5.5	07-Dec-09		MERCURY	ND<7	6.96 J		23	-
D2	536N-20D	5.5	6	08-Dec-09		LEAD	173	318		400	-
D2	536N-20D2	6	6.5	05-Jan-10		MERCURY	ND<9	0.0671 J		23	-
D2	536N-21D2	7	7.5	22-Dec-09		MERCURY	ND<7	0.0663 J		23	-
D2	536N-290D2	4	4.5	07-Jan-10		MERCURY	ND<6	ND (0.0165)		23	-
E1	536N-235	0	0.5	03-Dec-09		LEAD	184	234	400		-
E1	536N-237	0	0.5	02-Dec-09		LEAD	220	212	400		-
E1	536N-238	3	3.5	15-Dec-09		LEAD	80	80.4		400	-
E1	536N-239	3	3.5	15-Dec-09		LEAD	53	44.8		400	-

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E1	536N-240	3	3.5	15-Dec-09		LEAD	22	20.6		400	-
E1	536N-241	3	3.5	15-Dec-09		LEAD	237	241		400	-
E1	536N-328	0	0.5	22-Dec-09		LEAD	91	103 J	400		-
E1	536N-25D	0	0.5	03-Dec-09		LEAD	101	99	400		-
E1	536N-26D	3	3.5	16-Dec-09		LEAD	91	102		400	-
E2	536N-242	1.5	2	15-Dec-09		LEAD	294	348		400	-
E2	536N-243	1.5	2	16-Dec-09		LEAD	279	305		400	-
E2	536N-244	1.5	2	16-Dec-09		LEAD	105	105		400	-
E2	536N-245	1.5	2	16-Dec-09		LEAD	74	78.7		400	-
E2	536N-31D	2	2.5	15-Dec-09		LEAD	371	391		400	-
E3	536N-246	0	0.5	16-Dec-09		LEAD	NR	297	400		-
E3	536N-247	0	0.5	16-Dec-09		LEAD	154	208	400		-
E3	536N-248	0	0.5	16-Dec-09		LEAD	170	227	400		-
E3	536N-248	0	0.5	16-Dec-09	DUP	LEAD	170	225	400		-
E3	536N-249	0	0.5	16-Dec-09		LEAD	NR	257	400		-
E3	536N-80D	1	1.5	16-Dec-09		LEAD	338	328		400	-
E4	536N-250	6	6.5	16-Dec-09		LEAD	ND<7	4.68		400	-
E4	536N-250	6	6.5	16-Dec-09		MERCURY	ND<6	0.134 J		23	-
E4	536N-251	6	6.5	17-Dec-09		LEAD	ND<8	5.86		400	-
E4	536N-251	6	6.5	17-Dec-09		MERCURY	ND<8	0.0168 J		23	-
E4	536N-253	6	6.5	17-Dec-09		LEAD	ND<8	4.95		400	-
E4	536N-253	6	6.5	17-Dec-09		MERCURY	ND<9	0.083 J		23	-
E5	536N-254	5	5.5	17-Dec-09		LEAD	ND<10	7.82		400	-
E5	536N-255	5	5.5	17-Dec-09		LEAD	ND<8	4.29		400	-
E5	536N-257	5	5.5	17-Dec-09		LEAD	ND<8	7.77		400	-
E6	536N-258	3	3.5	17-Dec-09		LEAD	12	6.44		400	-
E6	536N-259	3	3.5	17-Dec-09		LEAD	28	38.4		400	-
E6	536N-260	3	3.5	18-Dec-09		LEAD	ND<9	11.9		400	-
E6	536N-261	3	3.5	18-Dec-09		LEAD	ND<9	9.18		400	-
E6	536N-58D	3.5	4	16-Dec-09		LEAD	16	7.01		400	-
E7	536N-262	0	0.5	03-Dec-09		MERCURY	ND<9	7.17	20.5		-
E7	536N-264	0	0.5	03-Dec-09		MERCURY	12	11.8	20.5		-
E7	536N-265	0	0.5	03-Dec-09		MERCURY	ND<6	3.23	20.5		-
E7	536N-325	0	0.5	18-Dec-09	DUP	MERCURY	12	15.3	20.5		-
E7	536N-325	0	0.5	18-Dec-09		MERCURY	12	10.2	20.5		-
E7	536N-50D	0.5	1	04-Dec-09		MERCURY	ND<11	0.458		23	-