

V-00373-4



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FINAL
Supplemental Site
Investigation Report

for the property at
The Niacet Corporation
47th Street
Niagara Falls, New York

Prepared for:
Union Carbide Corporation

Prepared by:
URS Corporation
Buffalo, New York

March 2006



June 1, 2005

Michael J. Hinton, P.E.
New York State Department of Environmental Conservation
Division of Environmental Remediation, Region 9
270 Michigan Avenue
Buffalo, New York 14203-2999

**Re: Voluntary Cleanup Program
Niacet Corporation Site #V00373-9
Supplemental Site Investigation Report**

Dear Mr. Hinton:

As you are aware, the supplemental site investigation activities have been completed at the Union Carbide Corporation (UCC) – Niacet Site located at 47th Street in Niagara Falls, New York. The investigations were conducted in accordance with the New York State Department of Environmental Conservation (NYSDEC) and New York State Department of Health (NYSDOH)-approved, “*Work Plan for the Supplemental Site Investigation/Remedial Alternatives Report (SI/RAR)*” prepared by URS Corporation (URS) and dated September 2003. The investigation included installation of soil borings, temporary piezometers, groundwater monitoring wells, collection of surface and subsurface soil and water samples and analysis of samples for mercury, and in a few cases semi-volatile organic compounds and metals.

URS, on behalf of UCC, is pleased to submit the enclosed, “*Supplemental Site Investigation Report*” for the above-referenced site. This document presents a brief overview of the investigation activities and a summary of the geologic and analytical data developed for the site. The boring logs, monitoring well construction details and data usability summary report (DUSR) are included as appendices.

In accordance with the Work Plan, the current investigations were designed to provide data on the nature and extent of mercury contamination across the entire site and, more specifically, to further delineate the mercury contamination in those areas previously identified as containing visible mercury.

Please review the report and provide any comments and/or questions you might have. Subsequently, the comments will be incorporated, as appropriate, and the final report produced. In the meantime, should you have any questions or require any additional information, please call me at 856-5636.

Sincerely,

URS Corporation

Robert R. Henschel, P.G.
Project Manager
Enc.

cc: Tim King – UCC
Larry Montani – Niacet
Matt Forcucci – NYSDOH
File: 11171085 (C-1)

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**FINAL
SUPPLEMENTAL
SITE INVESTIGATION REPORT
AT
THE NIACET CORPORATION
47TH STREET
NIAGARA FALLS, NEW YORK**

**Prepared for:
UNION CARBIDE CORPORATION**

**Prepared by:
URS CORPORATION, INC.
BUFFALO, NEW YORK**

MARCH 2006

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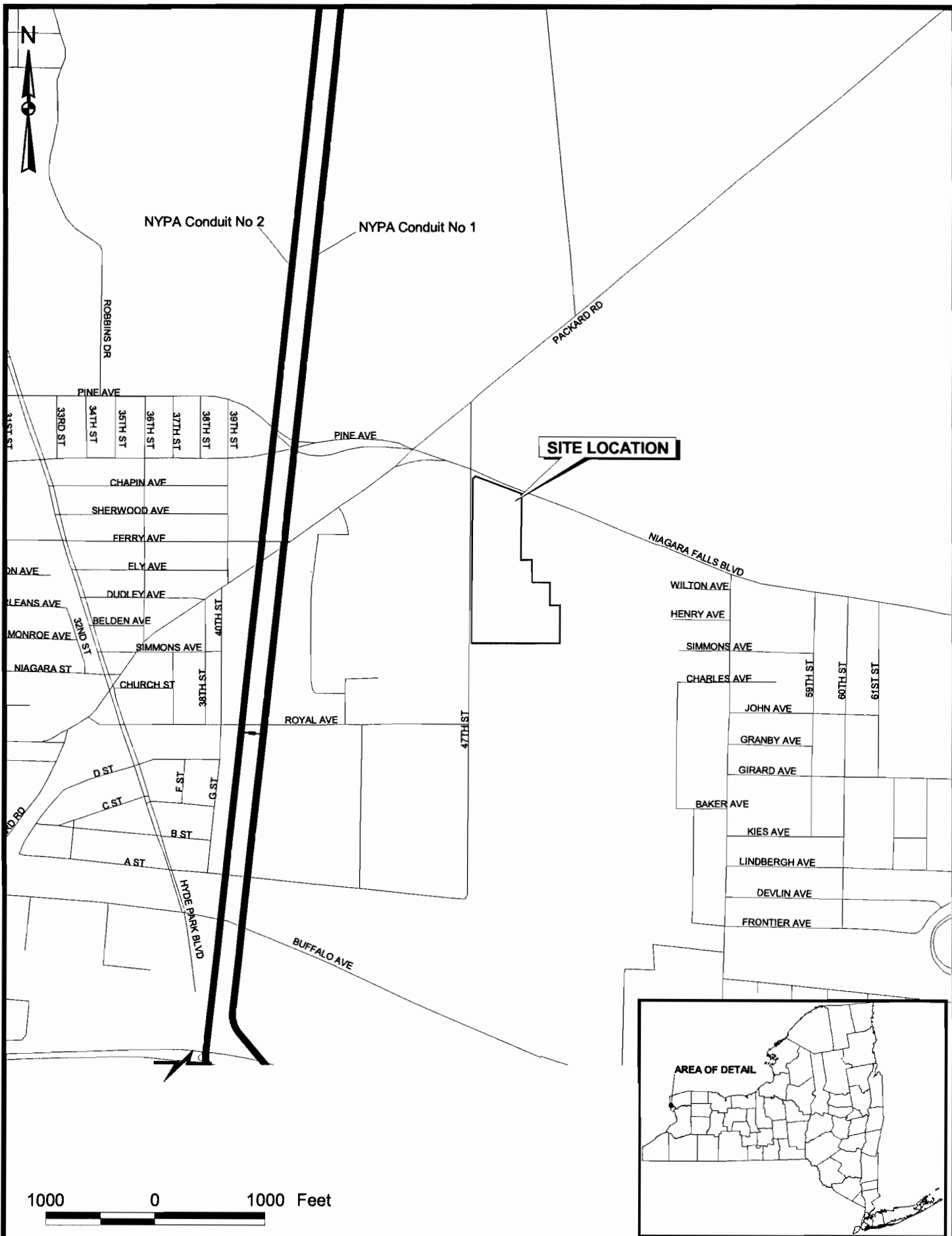
1.0 INTRODUCTION

The Union Carbide Corporation (Union Carbide) has contracted URS Corporation, Inc. (URS) to characterize the extent of mercury contamination discovered at the Niacet Corporation (Niacet) Property (Figure 1-1). The study will provide Union Carbide with the information necessary to select a remedial action. The site investigations will be performed under a voluntary cleanup agreement (VCA) between Union Carbide and the New York State Department of Environmental Conservation (NYSDEC). Following completion of the site investigations, Site Investigation/Remedial Alternatives Report (SI/RAR) will be prepared for the site in accordance with the suggested SI and RAR Report Format. This format is outlined in the New York State Department of Environmental Conservation (NYSDEC) Environmental Restoration Projects Program Policy (DEC-97-4058 [revised 12-22-97]).

The objectives of this project are: 1) to conduct the necessary site investigations as quickly, economically, and efficiently as possible in order to characterize the site and determine extent of contamination present; and 2) to identify, evaluate, and select a long-term remedial action that is cost-effective and environmentally sound.

An initial Site Investigation (SI) was conducted by URS during the spring of 2002. Based on the results of this SI, it was determined that supplemental investigations would be necessary to fully delineate the extent of mercury contamination at the site. A Work Plan for the Supplemental Site Investigation/Remedial Alternatives Report (SI/RAR) was prepared and submitted to the NYSDEC in January 2003. The Work Plan was revised to address NYSDEC comments and submitted final in September 2003. This Work Plan subsequently was approved by the Department on December 12, 2003.

The field investigations were conducted during the period of May 10 and June 1, 2004. This report presents a summary of the findings from the additional investigation activities conducted at the site.



N:\1171085_000001\GIS\site\location.apr SITE LOCATION
4/14/2005

URS

NIACET CORPORATION
SITE LOCATION MAP

FIGURE 1-1

1.1 Site History and Description

The Niacet facility, formerly Union Carbide Corporation is located on 19.42 acres at the intersection of 47th Street and Pine Avenue (Figure 1-2). Historical documentation indicates that the facility was initially constructed in 1925-26 and operated as the Niacet Chemical Company. The plant originally produced acetaldehyde, paraldehyde, aldol, and crotonaldehyde. Production of acetic acid by the oxidation of acetaldehyde was begun in 1928. The manufacture of sodium acetate and other acetates was begun in 1935. Vinyl acetate production was added in 1937 and increased steadily up through the late 1950's. In 1945 the Niacet Chemicals company was made the Niacet Chemicals Division of U.S. Vanadium Corporation. In 1951 the Niacet Chemicals Division became the Niacet Plant of the Union Carbide and Carbon Corporation. About the same time the idle Carbide and Carbon Chemicals Company methanol plant was added to the Niacet plant. A fumigant known as Carboxide was manufactured in the old methanol plant. Production of acetaldehyde and acetic acid was discontinued in 1952. In 1957 the name was changed to Union Carbide Corporation.

The plant produced a variety of wastes including mercury/aluminum sludge, 2-ethylhexoate, zinc acetate, acetic acid, acetate salts and overflows from the vinyl division. The liquid wastes consisting of zinc acetate, acetic acid, acetate salts and overflows from the vinyl division were discharged on a daily basis to the City sewer system to the Niagara Falls Waste Water Treatment Plant. Other wastes consisting of mercury/aluminum sludge and the 2-ethylhexoate were stored in 55-gallon drums for a 24-month period and then hauled from the facility and disposed at NEWCO Chemical Waste Systems, Inc. in Niagara Falls, NY and/or Interstate Metal Reclaiming in Kierney, NJ. Solid wastes generated at the facility consisted primarily of ash from the boilers and mercury furnace residue. In general, these wastes were reportedly hauled from the facility and used as fill materials. Mercury wastes were treated on-site in the Mercury Recovery facility and re-used.

In 1978 Niacet purchased the property from Union Carbide Corporation. Niacet currently manufactures specialty chemical products for food, pharmaceutical and industrial applications

In 1987 the United States Environmental Protection Agency (USEPA) performed a Potential Hazardous Waste Site Preliminary Assessment (PA) at the facility. The work was conducted by NUS

entire site. In order to further delineate the mercury contamination, a total of 108 soil borings (SB-01 to SB-106) were installed on a roughly 100 ft grid in all open areas of the site at the approximate locations shown in Figure 2-1. Approximately 13 of these borings were located in and around the former mercury recovery area and the area east of the new AST facility to further delineate the extent of elemental mercury observed in these areas. The exact number and location of the borings was determined in the field, in conjunction with the onsite NYSDEC representative. In addition, a total of four surface soil (i.e., 0-2") samples (B-01 to B-04) were collected on the offsite properties located immediately west of 47th Street and east of the Niacet facility at the approximate locations shown in Figure 2-1.

The soil investigation consisted of surface and subsurface soil sampling using direct push (e.g., geoprobe) sampling techniques. Marcor Environmental Services (Marcor) of Rochester, New York provided a truck-mounted geoprobe unit. The locations of the Geoprobe borings are shown on Figure 2-1. Air monitoring was conducted during all intrusive activities in accordance with the Community Air Monitoring Program found in the Health and Safety Plan (HASP). Air monitoring consisted of monitoring for mercury vapors using a mercury vapor analyzer (MVA) and volatile organic compounds (VOCs) using a Toxic Vapor Analyzer (TVA).

The primary objectives of the subsurface soil sampling program under this supplemental SI were to:

- define the site stratigraphy
- delineate the lateral and vertical extent of the visible mercury areas identified during the previous investigation
- provide representative coverage of the site to delineate the extent of possible disseminated mercury
- provide data on the possible offsite migration of mercury

At each borehole location, macrocore samples were collected continuously from the ground surface into the upper portion of the silty clay unit underlying the fill materials or to the top of bedrock, whichever was less. The recovered soil/fill was visually examined for the presence of

elemental mercury and screened for mercury vapors with an MVA and volatile organic vapors with a TVA. The soils were logged by a geologist. Copies of the boring logs are contained in Appendix A.

In general, three samples were collected from each boring. One sample was obtained from the 0-2" interval to characterize surface soil condition. A second, composite sample of the fill material also was obtained. This sample was formed by collecting discrete representative samples of the materials throughout the fill interval and placing them together in one sample jar. This sample was sent to the laboratory where it was composited for analysis, as necessary. The third sample was collected from the fill/silty clay interface. In general, this sample was collected from the fill materials immediately above the contact and the silty clay immediately below the contact.

Laboratory analyses for mercury were performed by Severn Trent Laboratories (STL), a NYSDOH – approved laboratory, on each sample. In addition, in accordance with the Work Plan, any soils that appeared to be visibly stained, exhibited elevated TVA readings or showed other evidence of contamination were analyzed for TCL VOCs, TCL SVOCs, PCBs and RCRA metals. A total of three samples (i.e. one each from SB- 020, SB-033 and SB-041) were analyzed.

All drilling and sampling activities were conducted in accordance with procedures outlined in the NYSDEC-approved Work Plan.

2.2 Groundwater Investigation

As outlined in the Work Plan, nine monitoring wells (mini-wells) were to be installed during this Supplemental SI to determine the potential migration of mercury in groundwater on and offsite, if any. Two wells were to be installed upgradient along the northeast margin of the site at boring locations MW-01 and SB-106 and seven wells were to be installed downgradient along the western perimeter of the site at boring locations SB-24, SB-38, SB-48, SB-56, SB-65, SB-77 and SB-078. However, field conditions encountered in the northern portion of the site did not allow installation of monitoring wells at locations SB-65, SB-77, SB-78 and SB-106. At each of these locations, bedrock was encountered at depths ranging from 2.0 feet in SB-77 to 4.0 feet in SB-78. Additionally, no evidence of groundwater in the fill materials overlying the bedrock was observed at these locations.

Consequently, due to the extremely thin fill layer and lack of groundwater at these locations, the monitoring wells were not installed. One additional monitoring well was installed at the location of SB-80 to compensate for the loss of the wells in the northern portion of the site.

A total of seven monitoring wells (MW-01 to MW-07) were installed at the locations shown on Figure 2-1. In general, the monitoring wells consist of a 2.0 – 5.6 foot section of 1-inch diameter, slotted (0.010”) Schedule 40 PVC pipe connected to solid PVC riser pipe extending to the ground surface. The wells were installed in the Geoprobe holes following completion of sampling. The annular space around the screen was backfilled with filter sand to within 1.3 to 3.5 feet of the ground surface. A minimum 0.5-foot thick bentonite seal was installed above the sand pack and the remainder of the hole filled with cement. A flush-mount curb box was installed to complete the installation. Copies of the Monitoring Well Construction Details are contained in Appendix B.

In addition to the monitoring wells, 14 temporary piezometers (PZ-01 to PZ-14) were installed at the locations shown in Figure 2-1 to allow water levels to be obtained. These piezometers were installed directly into the geoprobe boring and consist of 1-inch diameter PVC riser pipes with a 1.0 – 5.0 foot slotted screens (0.010 slots). The annular space around the screen/riser pipe was backfilled with sand to within 0.5 – 4.0 feet of the ground surface. The remainder of the boring was sealed with bentonite. Copies of the Piezometer Construction Details are contained in Appendix C.

All drill cuttings and soil cores were placed in zip-lock plastic bags, labeled with the soil boring information and containerized in United States Department of Transportation (USDOT) approved 55-gallon drums.

A round of groundwater elevation measurements (Table 2-1) was obtained once the wells and piezometers stabilized. The elevation of the groundwater in each well and piezometer was calculated and a groundwater contour map of the site prepared (Figure 2-2). In several cases, particularly along the western edge of the site, the piezometers and/or monitoring wells were dry. In these cases, the bottom elevation of the monitoring wells was plotted on the contour map as the groundwater elevation, and noted accordingly. Whereas this does not give a true depiction of the groundwater conditions at the site, it does provide a general indication of groundwater flow directions and gradients.

**TABLE 2-1
GROUNDWATER ELEVATION MEASUREMENTS
NIACET CORPORATION SITE #V00373-9**

Location ID / Type	Northing	Easting	Ground Elevation (ft)	Casing Elevation (ft)	Meas. point (Riser) Elev. (ft)	Geol. Zone	Specific Gravity	Date / Time	Depth to Water (ft)	Water Elev. (ft)	Product Thick. (ft)	Corrected Water Elev. (ft)	Remark
MW-01 MNW	1126571.580	1035117.980	576.69	576.69	576.25	A	1	5/28/2004 0000	4.69	571.56	0.00	571.56	
MW-02 MNW								6/1/2004 0000	4.53	571.72	0.00	571.72	
SB-002/PZ-01 PZ	1125826.897	1035224.658	571.35	NA	575.62	A	1	5/28/2004 0000	5.17	570.45	0.00	570.45	
PZ								6/1/2004 0000	5.05	570.57	0.00	570.57	
SB-007/PZ-11 PZ	1125807.226	1034709.719	571.85	NA	573.97	A	1	5/28/2004 0000	5.62	568.35	0.00	568.35	
PZ								6/1/2004 0000	7.05	566.92	0.00	566.92	
SB-009/PZ-02 PZ	1125928.868	1035272.489	571.73	NA	575.21	A	1	5/28/2004 0000	5.73	569.48	0.00	569.48	
PZ								6/1/2004 0000	5.72	569.49	0.00	569.49	
SB-017/PZ-04 PZ	1126031.114	1035015.271	572.37	NA	574.60	A	1	5/28/2004 0000	6.37	568.23	0.00	568.23	
PZ								6/1/2004 0000	6.15	568.45	0.00	568.45	
SB-024/MW- NA	1126127.075	1034671.437	570.42	570.42	570.00	A	1	5/28/2004 0000	NM	-	NM	-	Well Dry
MNW								6/1/2004 0000	NM	-	NM	-	Well Dry
SB-027/PZ-05 PZ	1126220.582	1035128.711	572.36	NA	572.19	A	1	5/28/2004 0000	1.77	570.42	0.00	570.42	
PZ								6/1/2004 0000	1.85	570.34	0.00	570.34	
SB-029/PZ-06 PZ	1126217.387	1034951.729	572.06	NA	571.91	A	1	5/28/2004 0000	1.38	570.53	0.00	570.53	
PZ								6/1/2004 0000	1.44	570.47	0.00	570.47	

NM - No Measurement

Geologic Zone:
A AquiferType:
MNW Monitoring Well
PZ Piezometer

The value noted in the column labeled Specific Gravity is an assumed value for free product, if found.

TABLE 2-1
GROUNDWATER ELEVATION MEASUREMENTS
NIACET CORPORATION SITE #V00373-9

Location ID / Type	Northing	Easting	Ground Elevation (ft)	Casing Elevation (ft)	Meas. point (Riser/Elev.(ft)	Geol. Zone	Specific Gravity	Date / Time	Depth to Water (ft)	Water Elev. (ft)	Product Thick. (ft)	Corrected Water Elev. (ft)	Remark
SB-033/PZ-03	1126326.642	1035280.159	573.45	NA	577.14	A	1	5/28/2004 0000	6.56	570.58	0.00	570.58	
PZ								6/1/2004 0000	6.62	570.52	0.00	570.52	
SB-038/MW-05	1126308.465	1034674.381	570.72	570.72	570.35	A	1	5/28/2004 0000	NM	-	NM	-	Well Dry
MNW								6/1/2004 0000	NM	-	NM	-	Well Dry
SB-044/MW-06	1126417.744	1034673.702	571.47	571.47	571.13	A	1	5/28/2004 0000	1.86	569.27	0.00	569.27	
MNW								6/1/2004 0000	1.97	569.16	0.00	569.16	
SB-046/PZ-10	1126521.525	1035030.947	576.26	NA	576.96	A	1	5/28/2004 0000	3.24	573.72	0.00	573.72	
PZ								6/1/2004 0000	3.96	573.00	0.00	573	
SB-048/MW-07	1126513.605	1034678.766	571.74	571.74	571.58	A	1	5/28/2004 0000	NM	-	NM	-	Well Dry
MNW								6/1/2004 0000	NM	-	NM	-	Well Dry
SB-054/PZ-09	1126723.788	1034933.632	576.91	NA	580.76	A	1	5/28/2004 0000	3.70	577.06	0.00	577.06	
PZ								6/1/2004 0000	7.62	573.14	0.00	573.14	
SB-056/MW-03	1126729.445	1034682.798	575.16	575.16	574.70	A	1	5/28/2004 0000	NM	-	NM	-	Well Dry
MNW								6/1/2004 0000	NM	-	NM	-	Well Dry
SB-061/PZ-07	1126933.010	1035107.292	576.41	NA	580.32	A	1	5/28/2004 0000	4.18	576.14	0.00	576.14	
PZ								6/1/2004 0000	8.10	572.22	0.00	572.22	

NM - No Measurement

Geologic Zone:
A AquiferType:
MNW
PZ
Monitoring Well
Piezometer

The value noted in the column labeled Specific Gravity is an assumed value for free product, if found.

**TABLE 2-1
GROUNDWATER ELEVATION MEASUREMENTS
NIACET CORPORATION SITE #V00373-9**

Location ID / Type	Northing	Eastings	Ground Elevation (ft)	Casing Elevation (ft)	Meas.point (Riser)Elev.(ft)	Geol. Zone	Specific Gravity	Date / Time	Depth to Water (ft)	Water Elev. (ft)	Product Thick. (ft)	Corrected Water Elev. (ft)	Remark
SB-063/PZ-08	1126918.791	1034925.367	576.96	NA	579.47	A	1	5/28/2004 0000	3.05	576.42	0.00	576.42	
PZ								6/1/2004 0000	6.08	573.39	0.00	573.39	
SB-080/MW-02	1126628.928	1034939.241	578.57	578.57	578.21	A	1	5/28/2004 0000	5.84	572.37	0.00	572.37	
MNW								6/1/2004 0000	5.84	572.37	0.00	572.37	
SB-081/PZ-12	1126015.582	1035414.385	571.52	NA	573.57	A	1	5/28/2004 0000	NM	-	NM	-	Well Dry
PZ								6/1/2004 0000	4.00	569.57	0.00	569.57	
SB-082/PZ-13	1125850.724	1035409.193	571.09	NA	573.35	A	1	5/28/2004 0000	NM	-	NM	-	Well Dry
PZ								6/1/2004 0000	2.88	570.47	0.00	570.47	
SB-088/PZ-14	1126975.142	1034939.215	577.57	NA	579.20	A	1	5/28/2004 0000	3.63	575.57	0.00	575.57	
PZ								6/1/2004 0000	2.72	576.48	0.00	576.48	

NM - No Measurement

Geologic Zone:
A AquiferType:
MNW Monitoring Well
PZ Piezometer

The value noted in the column labeled Specific Gravity is an assumed value for free product, if found.

Groundwater samples were collected from monitoring wells MW-01, MW-02 and MW-06 and analyzed at a New York State DOH-approved laboratory for mercury. The remaining four monitoring wells were dry, and could not be sampled. QA/QC samples were collected in accordance with USEPA QA procedures and NYSDEC contract laboratory protocols.

Upon completion, and prior to sampling, all mini-wells were developed to ensure good hydraulic communication with the aquifer. During development each monitoring well was purged of at least three well volumes. Purging was completed using a peristaltic pump and dedicated high-density polyethylene (HDPE) tubing. Well purge water was containerized in a 55-gal drum for offsite disposal. Groundwater samples were collected with dedicated, disposal HDPE tubing by a URS environmental technician. The samples were placed in an ice-filled cooler chest and shipped under proper chain-of-custody to STL for analysis. The well purging/sampling log for each well sampled was prepared and included the following information: date, time, purge volume, water quality information (pH, specific conductance, temperature, and turbidity), groundwater elevation, well MVA headspace readings, non-aqueous phase liquid presence, and analytical parameters/QC sampling. Copies of the Well Development Logs are contained in Appendix D.

2.3 Site Survey

Following completion of the Supplemental SI, the boreholes, monitoring wells and piezometer locations were surveyed for horizontal and vertical coordinates using Global Positioning Survey (GPS) techniques. The surveyed locations were plotted on the existing base map. Additionally, the ground surface elevations at each of the soil boring locations were utilized to generate a topographic contour map of the site. The topographic information is shown on Figure 2-1.

2.4 Data Validation and Tabulation

Following receipt of the analytical data, a limited data verification was performed on all samples analyzed and a data usability summary report (DUSR) prepared (Appendix F). The data verification was limited to a review of the following criteria:

- Holding times
- Data completeness
- Comparison of surrogate, spike, and duplicate recoveries to validation criteria
- Blank contamination
- 10% quantitation check that reported sample results are correct
- Proper sample analysis
- Sample chromatograms
- NYSDEC ASP Sample Preparation and Analysis Summary Forms

Where possible, discrepancies were resolved by URS chemists (i.e., no letters were written to the laboratory).

2.5 Decontamination/Investigation-Derived Waste

Some of the field equipment was disposable and did not require decontamination. If decontamination was required, the field equipment was washed with MercX©, Alconox© and rinsed with deionized water. Equipment was kept in a clean environment prior to sampling. Heavy equipment (i.e. geoprobe rig) was decontaminated via washing with MercX© followed by high-pressure steam cleaning on the temporary decontamination pad which was constructed of 2" x 6" wood framing lined with two layers of polyethylene sheeting. The polyethylene sheeting was secured to the top of the wood frame with 1" x 6' furring strips. A sump pit was located at the low point of the pad. All discarded equipment (latex gloves, trowels, paper towels, etc.) were drummed in accordance with applicable requirements. Decontamination water, soil cuttings, and purge water also were drummed. Following receipt of the analytical data, the IDW was separated into one of the following categories and repackaged as necessary for disposal:

Non-Hazardous Wastes

- USDOT Non-Regulated Soil
- USDOT Non-Regulated Water

Hazardous Wastes

- Soil contaminated with Mercury (Low Mercury < 260 mg/kg)

- Soil contaminated with Mercury (High Mercury > 260 mg/kg)
- Soil contaminated with Heavy Metals (High Mercury > 260 mg/kg)

A total of fourteen 55-gallon drums and one five-gallon pail of mercury-contaminated soils/PPE and five 55-gallon drums and one 5-gallon pail of mercury-contaminated water were transported to CWM Chemical Services in Model City, New York by Frank's Vacuum Service for disposal. Copies of the hazardous and non-hazardous waste disposal manifests are contained in Appendix G.

3.0 FINDINGS OF THE SUPPLEMENTAL SITE INVESTIGATIONS

3.1 Site Geology

3.1.1 Stratigraphy

Based on the results of the investigations, it appears that the stratigraphy of the site is relatively uniform. However, there are some variations locally. In general, the upper few inches to two feet consists of a dark brown to black, coarse, granular fill unit, containing fine to coarse gravel (coal, slag, rock, cinder and clinker), with some silty ash and cinders. Locally, this unit contains large amounts of industrial construction and demolition (C&D) debris. This unit is referred to as the “upper fill unit”. This is underlain by a “lower fill unit” consisting of a red brown silty clay with large amounts of rock and C&D. This lower fill unit is not present between Buildings 11 and 17 in the western portion of the site. In this area, the upper fill unit, which appears to be exclusively building demo debris, extends down to the top of the native clay units.

As indicated on Figure 3-1, the fill layer is very thin (i.e. < 2.0 feet) in the northwest corner of the site and gradually increases in thickness to the south. The maximum observed thickness is about 10 – 11 feet in areas just north of Pike’s Creek and in the southwest and southeast portions of the site near Buildings 106 and 108, respectively.

The fill materials in the northern portion of the site typically extend down to the top of the underlying bedrock surface, whereas in the southern portion of the site (i.e. south of Pike’s Creek), they are underlain by naturally occurring silty clays, comprised of both lacustrine and till materials. The silty clay materials vary in thickness from zero to more than eight feet.

In the southeastern portion of the site, it appears that the silty clay excavated during construction of the new AST facility (i.e. the lower fill and naturally occurring silty clay units), was spread over the existing ground surface in the eastern half of the sludge disposal area and Process Areas II and III.

Bedrock consisting of hard dolomitic limestone was encountered in most of the borings in the northern half of the site. Typically, the depth to bedrock is less than two feet (elevation 575) in the extreme northern portion of the site and gradually increases to more than 11 feet (elevation 566) just north of Pike's Creek and areas south of the Creek (Figure 3-2). Typically north – south and east – west geologic cross sections through the site are presented on Figures 3-3. The cross section locations are shown on Figure 3-1.

3.1.2 Hydrogeology

As noted on Figure 2-2, no groundwater was observed in the overburden materials in the northern and western portions of the site. In these areas, groundwater occurrence presumably is below the top of the bedrock surface.

In the eastern half of the site, groundwater flow is generally to the south and/or southeast. However, in the western portion of the site, groundwater flow is steeply to the west. This is most likely due to the presence of the large diameter, unlined brick sewer tunnel that extends north – south under 47th Street, just west of the site

3.2 Nature and Extent of Mercury Contamination

3.2.1 Standards, Criteria, and Guidance

The following standards, criteria, and guidance (SCG's) values were utilized in evaluating the levels of contamination detected in the various media at the site:

Soil

- NYSDEC Technical Administrative Guidance Memorandum (TAGM) 4046: *Determination of Soil Cleanup Objectives and Cleanup Levels* (dated January 1994, revised)
- USEPA Region III – Risk-Based Concentration Table, dated May 28, 2001

Groundwater

- NYSDEC Technical and Operations Guidance Series (TOGS) 1.1.1: “*Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, June 1998*”.

Based on these documents, the SCG’s for mercury are as follows:

• TAGM 4046	(Soil)	Residential	0.1 mg/kg
• USEPA RBCs	(Soil)	Residential	23 mg/kg
		Industrial	610 mg/kg
• TOGS 1.1.1(groundwater)	Class GA		0.7 ug/L

In addition to these SCGs, several permitted disposal facilities were contacted to determine the requirements for disposal of mercury-contaminated soils.

Mercury concentration

<260 mg/kg, no visible Hg

>260 mg/kg, no visible Hg

Visible Hg

Disposal Options

Stabilization with disposal in NY Haz waste landfill

Trans ship-to out-of-state facility

Stabilize and dispose in landfill

Trans-ship out of state for recovery by retort only

For purposes of developing and/or evaluating potential remedial alternatives, the mercury concentrations observed in soils at the site have been divided into the following categories:

Mercury Concentration

No visible mercury, < 0.1 mg/kg

No visible mercury, 0 - < 260 mg/kg

No visible mercury, 260 – 610 mg/kg

Potential Remedial Options

- Leave onsite, < TAGM 4046

- Leave onsite, < USEPA Industrial RBC

- Treat/Dispose in NY Haz waste landfill

- Leave onsite, < USEPA Industrial RBC

- Trans-ship out of state, Treat/Dispose in hazardous waste landfill

No visible mercury, > 610 mg/kg

>USEPA Industrial RBC

- Trans-ship out of state, Treat/Dispose in hazardous waste landfill

Visible mercury

- Trans-ship out of state, Retort Only

3.2.2 Surface Soils

The analytical results for the 68 onsite and four offsite (background) surface soil samples are summarized in Table 3-1, presented graphically on Figure 3-4 and contained in Appendix E.

On Site Areas

All of the surface soil samples, with the exception of SB-004 and SB-044, exhibited mercury concentrations (i.e. 0.113 to 433 mg/kg) that exceeded the TAGM 4046 criteria. However, only 7 locations, in the northern portion of the site (mostly in the mercury recovery area and transport corridors) exceeded the USEPA RBC for industrial sites.

Off Site Areas

Whereas the mercury concentrations in the two background samples collected east of the site (1.7 and 1.9 mg/kg) were somewhat lower than the concentrations observed in the background samples collected west of the site (5.0 and 13.4 mg/kg), all four offsite surface soil samples exhibited mercury concentrations that exceed the TAGM 4046 criteria. However, none of the concentrations exceed the USEPA RBCs for residential or industrial sites.

3.2.3 Fill Materials

As identified in Table 3-1 and on Figure 3-5, 82 of the 105 fill samples analyzed exhibited mercury concentrations that exceed the TAGM 4046 criteria. Of the 23 samples that did not exceed the criteria, 21 of these are located in the southern portion of the site (i.e. south of Pike's Creek). Only two samples north of the creek were below the TAGM 4046 criteria.

TABLE 3-1
SOIL ANALYTICAL RESULTS - INORGANICS
NIACET VCP

Location ID		BS-01	BS-02	BS-03	BS-04	MW-01
Sample ID		BS-01-0-2"	BS-02-0-2"	BS-03-0-2"	BS-04-0-2"	MW-01-0-2"
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		0.0-0.2	0.0-0.2	0.0-0.2	0.0-0.2	0.0-0.2
Date Sampled		05/28/04	05/28/04	05/28/04	05/28/04	05/17/04
Parameter	Units					
Metals						
Arsenic	MG/KG	NA	NA	NA	NA	NA
Barium	MG/KG	NA	NA	NA	NA	NA
Cadmium	MG/KG	NA	NA	NA	NA	NA
Chromium	MG/KG	NA	NA	NA	NA	NA
Lead	MG/KG	NA	NA	NA	NA	NA
Mercury	MG/KG	5.0	13.4	1.7	1.9	738
Selenium	MG/KG	NA	NA	NA	NA	NA
Silver	MG/KG	NA	NA	NA	NA	NA

Flags assigned during chemistry validation are shown.

Detection Limits shown are MDL

TABLE 3-1
SOIL ANALYTICAL RESULTS - INORGANICS
NIACET VCP

Location ID		MW-01	MW-01	SB-001	SB-001	SB-001
Sample ID		MW-01-0-9	MW-01-9	SB-01-0-2"	SB-01-0'-4'	SB-01-2'
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		0.0-9.0	9.0-9.0	0.0-0.2	0.0-0.4	2.0-2.0
Date Sampled		05/17/04	05/17/04	05/10/04	05/10/04	05/10/04
Parameter	Units					
Metals						
Arsenic	MG/KG	NA	NA	NA	NA	NA
Barium	MG/KG	NA	NA	NA	NA	NA
Cadmium	MG/KG	NA	NA	NA	NA	NA
Chromium	MG/KG	NA	NA	NA	NA	NA
Lead	MG/KG	NA	NA	NA	NA	NA
Mercury	MG/KG	20.6	4.5	0.113 J	0.763 J	170 J
Selenium	MG/KG	NA	NA	NA	NA	NA
Silver	MG/KG	NA	NA	NA	NA	NA

Flags assigned during chemistry validation are shown.

Detection Limits shown are MDL

TABLE 3-1
SOIL ANALYTICAL RESULTS - INORGANICS
NIACET VCP

Location ID		SB-002/PZ-01	SB-002/PZ-01	SB-002/PZ-01	SB-003	SB-003
Sample ID		SB-02-0-2"	SB-02-0'-3'	SB-02-3'	SB-03-0-2"	SB-03-0-12'
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		0.0-0.2	0.0-3.0	3.0-3.0	0.0-0.2	0.0-12.0
Date Sampled		05/10/04	05/10/04	05/10/04	05/12/04	05/12/04
Parameter	Units					
Metals						
Arsenic	MG/KG	NA	NA	NA	NA	NA
Barium	MG/KG	NA	NA	NA	NA	NA
Cadmium	MG/KG	NA	NA	NA	NA	NA
Chromium	MG/KG	NA	NA	NA	NA	NA
Lead	MG/KG	NA	NA	NA	NA	NA
Mercury	MG/KG	73.3 J	43.2 J	0.548 J	1.9 J	0.011 J
Selenium	MG/KG	NA	NA	NA	NA	NA
Silver	MG/KG	NA	NA	NA	NA	NA

Flags assigned during chemistry validation are shown.

Detection Limits shown are MDL

TABLE 3-1
SOIL ANALYTICAL RESULTS - INORGANICS
NIACET VCP

Location ID		SB-003	SB-004	SB-004	SB-004	SB-005
Sample ID		SB-03-12'	SB-04-0-2"	SB-04-0-3.5'	SB-04-3.5'	SB-05-0-2"
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		12.0-12.0	0.0-0.2	0.0-3.5	3.5-3.5	0.0-0.2
Date Sampled		05/12/04	05/12/04	05/12/04	05/12/04	05/12/04
Parameter	Units					
Metals						
Arsenic	MG/KG	NA	NA	NA	NA	NA
Barium	MG/KG	NA	NA	NA	NA	NA
Cadmium	MG/KG	NA	NA	NA	NA	NA
Chromium	MG/KG	NA	NA	NA	NA	NA
Lead	MG/KG	NA	NA	NA	NA	NA
Mercury	MG/KG	0.011 UJ	0.010 UJ	0.014 J	113 J	13.1 J
Selenium	MG/KG	NA	NA	NA	NA	NA
Silver	MG/KG	NA	NA	NA	NA	NA

Flags assigned during chemistry validation are shown.

Detection Limits shown are MDL

**TABLE 3-1
SOIL ANALYTICAL RESULTS - INORGANICS
NIACET VCP**

Location ID		SB-005	SB-005	SB-006	SB-006	SB-006
Sample ID		SB-05-0-4'	SB-05-4'	SB-06-0-2'	SB-06-0-5'	SB-06-5'
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		0.0-4.0	4.0-4.0	0.0-0.2	0.0-5.0	5.0-5.0
Date Sampled		05/12/04	05/12/04	05/24/04	05/24/04	05/24/04
Parameter	Units					
Metals						
Arsenic	MG/KG	NA	NA	NA	NA	NA
Barium	MG/KG	NA	NA	NA	NA	NA
Cadmium	MG/KG	NA	NA	NA	NA	NA
Chromium	MG/KG	NA	NA	NA	NA	NA
Lead	MG/KG	NA	NA	NA	NA	NA
Mercury	MG/KG	0.068 J	0.012 UJ	2.2	0.011 U	0.035 B
Selenium	MG/KG	NA	NA	NA	NA	NA
Silver	MG/KG	NA	NA	NA	NA	NA

Flags assigned during chemistry validation are shown.

Detection Limits shown are MDL

TABLE 3-1
SOIL ANALYTICAL RESULTS - INORGANICS
NIACET VCP

Location ID		SB-007/PZ-11	SB-007/PZ-11	SB-007/PZ-11	SB-008	SB-008
Sample ID		SB-07-0-2"	SB-07-0-5'	SB-07-5'	SB-08-0-2"	SB-08-0-1.6'
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		0.0-0.2	0.0-5.0	5.0-5.0	0.0-0.2	0.0-1.6
Date Sampled		05/24/04	05/24/04	05/24/04	05/11/04	05/11/04
Parameter	Units					
Metals						
Arsenic	MG/KG	NA	NA	NA	NA	NA
Barium	MG/KG	NA	NA	NA	NA	NA
Cadmium	MG/KG	NA	NA	NA	NA	NA
Chromium	MG/KG	NA	NA	NA	NA	NA
Lead	MG/KG	NA	NA	NA	NA	NA
Mercury	MG/KG	1.4	0.015 B	0.011 B	21.7 J	1.3 J
Selenium	MG/KG	NA	NA	NA	NA	NA
Silver	MG/KG	NA	NA	NA	NA	NA

Flags assigned during chemistry validation are shown.

Detection Limits shown are MDL

TABLE 3-1
SOIL ANALYTICAL RESULTS - INORGANICS
NIACET VCP

Location ID		SB-008	SB-009/PZ-02	SB-009/PZ-02	SB-009/PZ-02	SB-009/PZ-02
Sample ID		SB-08-1.6'	SB-09-0-2"	SB-09-0-10'	SB-09-10' ACROSS	SB-09-10' BELOW
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		1.6-1.6	0.0-0.2	0.0-10.0	10.0-10.0	10.0-10.0
Date Sampled		05/11/04	05/11/04	05/11/04	05/11/04	05/11/04
Parameter	Units					
Metals						
Arsenic	MG/KG	NA	NA	NA	NA	NA
Barium	MG/KG	NA	NA	NA	NA	NA
Cadmium	MG/KG	NA	NA	NA	NA	NA
Chromium	MG/KG	NA	NA	NA	NA	NA
Lead	MG/KG	NA	NA	NA	NA	NA
Mercury	MG/KG	0.653 J	66.2 J	0.010 UJ	0.010 UJ	0.010 UJ
Selenium	MG/KG	NA	NA	NA	NA	NA
Silver	MG/KG	NA	NA	NA	NA	NA

Flags assigned during chemistry validation are shown.

Detection Limits shown are MDL

TABLE 3-1
SOIL ANALYTICAL RESULTS - INORGANICS
NIACET VCP

Location ID		SB-010	SB-010	SB-010	SB-011	SB-011
Sample ID		SB-10-0-2"	SB-10-0-10.4'	SB-10-10.4'	SB-11-0-2"	SB-11-0-10.5
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		0.0-0.2	1.0-10.4	10.4-10.4	0.0-0.2	0.0-10.5
Date Sampled		05/12/04	05/12/04	05/12/04	05/13/04	05/13/04
Parameter	Units					
Metals						
Arsenic	MG/KG	NA	NA	NA	NA	NA
Barium	MG/KG	NA	NA	NA	NA	NA
Cadmium	MG/KG	NA	NA	NA	NA	NA
Chromium	MG/KG	NA	NA	NA	NA	NA
Lead	MG/KG	NA	NA	NA	NA	NA
Mercury	MG/KG	1.1 J	2.3 J	0.023 BJ	1.5 J	0.082 J
Selenium	MG/KG	NA	NA	NA	NA	NA
Silver	MG/KG	NA	NA	NA	NA	NA

Flags assigned during chemistry validation are shown.

Detection Limits shown are MDL

TABLE 3-1
SOIL ANALYTICAL RESULTS - INORGANICS
NIACET VCP

Location ID		SB-011	SB-012	SB-012	SB-013	SB-013
Sample ID		SB-11-10.5	SB-12-0-10'	SB-12-10'	SB-13-0-2"	SB-13-0-2'
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		10.0-10.0	0.0-10.0	10.0-10.0	0.0-0.2	0.0-2.0
Date Sampled		05/13/04	05/24/04	05/24/04	05/25/04	05/25/04
Parameter	Units					
Metals						
Arsenic	MG/KG	NA	NA	NA	NA	NA
Barium	MG/KG	NA	NA	NA	NA	NA
Cadmium	MG/KG	NA	NA	NA	NA	NA
Chromium	MG/KG	NA	NA	NA	NA	NA
Lead	MG/KG	NA	NA	NA	NA	NA
Mercury	MG/KG	0.082 J	0.011 B	0.011 B	2.3 J	0.046 J
Selenium	MG/KG	NA	NA	NA	NA	NA
Silver	MG/KG	NA	NA	NA	NA	NA

Flags assigned during chemistry validation are shown.

Detection Limits shown are MDL

**TABLE 3-1
SOIL ANALYTICAL RESULTS - INORGANICS
NIACET VCP**

Location ID		SB-013	SB-014	SB-014	SB-014	SB-015
Sample ID		SB-13-2'	SB-14-0-2"	SB-14-0-2.3'	SB-14-2.3'	SB-15-0-2"
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		2.0-2.0	0.0-0.2	0.0-2.3	2.3-2.3	0.0-0.2
Date Sampled		05/25/04	05/11/04	05/11/04	05/11/04	05/11/04
Parameter	Units					
Metals						
Arsenic	MG/KG	NA	NA	NA	NA	NA
Barium	MG/KG	NA	NA	NA	NA	NA
Cadmium	MG/KG	NA	NA	NA	NA	NA
Chromium	MG/KG	NA	NA	NA	NA	NA
Lead	MG/KG	NA	NA	NA	NA	NA
Mercury	MG/KG	0.072 J	7.9 J	1.1 J	0.914 J	118 J
Selenium	MG/KG	NA	NA	NA	NA	NA
Silver	MG/KG	NA	NA	NA	NA	NA

Flags assigned during chemistry validation are shown.

Detection Limits shown are MDL

TABLE 3-1
SOIL ANALYTICAL RESULTS - INORGANICS
NIACET VCP

Location ID		SB-015	SB-015	SB-016	SB-016	SB-016
Sample ID		SB-15-0-3'	SB-15-3'	SB-16-0-2"	SB-16-0-2'	SB-16-2'-7'
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		0.0-3.0	3.0-3.0	0.0-0.2	0.0-0.2	2.0-7.0
Date Sampled		05/11/04	05/11/04	05/12/04	05/12/04	05/12/04
Parameter	Units					
Metals						
Arsenic	MG/KG	NA	NA	NA	NA	NA
Barium	MG/KG	NA	NA	NA	NA	NA
Cadmium	MG/KG	NA	NA	NA	NA	NA
Chromium	MG/KG	NA	NA	NA	NA	NA
Lead	MG/KG	NA	NA	NA	NA	NA
Mercury	MG/KG	14.2 J	0.461 J	4.7 J	25.1 J	0.011 UJ
Selenium	MG/KG	NA	NA	NA	NA	NA
Silver	MG/KG	NA	NA	NA	NA	NA

Flags assigned during chemistry validation are shown.

Detection Limits shown are MDL

TABLE 3-1
SOIL ANALYTICAL RESULTS - INORGANICS
NIACET VCP

Location ID		SB-016	SB-017/PZ-04	SB-017/PZ-04	SB-017/PZ-04	SB-018
Sample ID		SB-16-7'	SB-17-0-2"	SB-17-0-6	SB-17-6	SB-18-0-11.5'
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		7.0-7.0	0.0-0.2	0.0-6.0	6.0-6.0	0.0-11.5
Date Sampled		05/12/04	05/13/04	05/13/04	05/13/04	05/24/04
Parameter	Units					
Metals						
Arsenic	MG/KG	NA	NA	NA	NA	NA
Barium	MG/KG	NA	NA	NA	NA	NA
Cadmium	MG/KG	NA	NA	NA	NA	NA
Chromium	MG/KG	NA	NA	NA	NA	NA
Lead	MG/KG	NA	NA	NA	NA	NA
Mercury	MG/KG	0.010 UJ	7.1 J	0.220 J	0.305 J	0.237
Selenium	MG/KG	NA	NA	NA	NA	NA
Silver	MG/KG	NA	NA	NA	NA	NA

Flags assigned during chemistry validation are shown.

Detection Limits shown are MDL

TABLE 3-1
SOIL ANALYTICAL RESULTS - INORGANICS
NIACET VCP

Location ID		SB-018	SB-019	SB-019	SB-019	SB-020
Sample ID		SB-18-11.5'	SB-19-0-2"	SB-19-0-2'	SB-19-2'	SB-20-0-2'
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		11.5-11.5	0.0-0.2	0.0-2.0	2.0-2.0	0.0-0.2
Date Sampled		05/24/04	05/11/04	05/11/04	05/11/04	05/11/04
Parameter	Units					
Metals						
Arsenic	MG/KG	NA	NA	NA	NA	NA
Barium	MG/KG	NA	NA	NA	NA	NA
Cadmium	MG/KG	NA	NA	NA	NA	NA
Chromium	MG/KG	NA	NA	NA	NA	NA
Lead	MG/KG	NA	NA	NA	NA	NA
Mercury	MG/KG	0.116	55.6 J	59.3 J	0.069 BJ	13.4 J
Selenium	MG/KG	NA	NA	NA	NA	NA
Silver	MG/KG	NA	NA	NA	NA	NA

Flags assigned during chemistry validation are shown.

Detection Limits shown are MDL

TABLE 3-1
SOIL ANALYTICAL RESULTS - INORGANICS
NIACET VCP

Location ID		SB-020	SB-020	SB-020	SB-020	SB-020
Sample ID		SB-20-0'-7'	SB-20-7'	SB-20-7-11	SB-20-10'	SB-20-11'
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		0.0-7.0	7.0-7.0	7.0-11.0	10.0-10.0	11.0-11.0
Date Sampled		05/11/04	05/11/04	05/11/04	05/11/04	05/11/04
Parameter	Units					
Metals						
Arsenic	MG/KG	NA	NA	NA	2.7	NA
Barium	MG/KG	NA	NA	NA	36.5	NA
Cadmium	MG/KG	NA	NA	NA	0.063 U	NA
Chromium	MG/KG	NA	NA	NA	10.2	NA
Lead	MG/KG	NA	NA	NA	7.1	NA
Mercury	MG/KG	23.0 J	0.140 J	0.317 J	0.26	0.009 UJ
Selenium	MG/KG	NA	NA	NA	1.1 U	NA
Silver	MG/KG	NA	NA	NA	0.14 U	NA

Flags assigned during chemistry validation are shown.

Detection Limits shown are MDL

TABLE 3-1
SOIL ANALYTICAL RESULTS - INORGANICS
NIACET VCP

Location ID		SB-021	SB-021	SB-021	SB-021	SB-022
Sample ID		SB-21-0-2"	SB-21-0-2'	SB-21-2-7.5	SB-21-7.5	SB-22-0-6.5
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		0.0-0.2	0.0-2.0	2.0-2.8	7.5-7.5	0.0-6.5
Date Sampled		05/12/04	05/12/04	05/12/04	05/12/04	05/13/04
Parameter	Units					
Metals						
Arsenic	MG/KG	NA	NA	NA	NA	NA
Barium	MG/KG	NA	NA	NA	NA	NA
Cadmium	MG/KG	NA	NA	NA	NA	NA
Chromium	MG/KG	NA	NA	NA	NA	NA
Lead	MG/KG	NA	NA	NA	NA	NA
Mercury	MG/KG	2.0 J	23.0 J	0.030 BJ	0.017 UJ	0.043 BJ
Selenium	MG/KG	NA	NA	NA	NA	NA
Silver	MG/KG	NA	NA	NA	NA	NA

Flags assigned during chemistry validation are shown.

Detection Limits shown are MDL

TABLE 3-1
SOIL ANALYTICAL RESULTS - INORGANICS
NIACET VCP

Location ID		SB-022	SB-023	SB-023	SB-024/MW-04	SB-024/MW-04
Sample ID		SB-22-6.5	SB-23-0-9'	SB-23-9'	SB-24-0-2'	SB-24-2'
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		6.5-6.5	0.0-9.0	9.0-9.0	0.0-2.0	2.0-2.0
Date Sampled		05/13/04	05/24/04	05/24/04	05/25/04	05/25/04
Parameter	Units					
Metals						
Arsenic	MG/KG	NA	NA	NA	NA	NA
Barium	MG/KG	NA	NA	NA	NA	NA
Cadmium	MG/KG	NA	NA	NA	NA	NA
Chromium	MG/KG	NA	NA	NA	NA	NA
Lead	MG/KG	NA	NA	NA	NA	NA
Mercury	MG/KG	0.010 UJ	0.021 B	0.010 U	0.516 J	0.028 BJ
Selenium	MG/KG	NA	NA	NA	NA	NA
Silver	MG/KG	NA	NA	NA	NA	NA

Flags assigned during chemistry validation are shown.

Detection Limits shown are MDL

TABLE 3-1
SOIL ANALYTICAL RESULTS - INORGANICS
NIACET VCP

Location ID		SB-025	SB-025	SB-025	SB-026	SB-026
Sample ID		SB-25-0-2"	SB-25-0-5'	SB-25-5'	SB-26-0-2"	SB-26-0-8.5'
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		0.0-0.2	0.0-5.0	5.0-5.0	0.0-0.2	0.0-8.5
Date Sampled		05/11/04	05/11/04	05/11/04	05/11/04	05/11/04
Parameter	Units					
Metals						
Arsenic	MG/KG	NA	NA	NA	NA	NA
Barium	MG/KG	NA	NA	NA	NA	NA
Cadmium	MG/KG	NA	NA	NA	NA	NA
Chromium	MG/KG	NA	NA	NA	NA	NA
Lead	MG/KG	NA	NA	NA	NA	NA
Mercury	MG/KG	0.301 J	44.5 J	0.169 J	53.2 J	33.2 J
Selenium	MG/KG	NA	NA	NA	NA	NA
Silver	MG/KG	NA	NA	NA	NA	NA

Flags assigned during chemistry validation are shown.

Detection Limits shown are MDL

TABLE 3-1
SOIL ANALYTICAL RESULTS - INORGANICS
NIACET VCP

Location ID		SB-026	SB-027/PZ-05	SB-027/PZ-05	SB-027/PZ-05	SB-028
Sample ID		SB-26-8.5'	SB-27-0-2"	SB-27-0-5'	SB-27-5'	SB-28-0-2"
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		8.5-8.5	0.0-0.2	0.0-5.0	5.0-5.0	0.0-0.2
Date Sampled		05/11/04	05/12/04	05/12/04	05/12/04	05/13/04
Parameter	Units					
Metals						
Arsenic	MG/KG	NA	NA	NA	NA	NA
Barium	MG/KG	NA	NA	NA	NA	NA
Cadmium	MG/KG	NA	NA	NA	NA	NA
Chromium	MG/KG	NA	NA	NA	NA	NA
Lead	MG/KG	NA	NA	NA	NA	NA
Mercury	MG/KG	2.6 J	52.4 J	0.022 BJ	0.578 J	26.0 J
Selenium	MG/KG	NA	NA	NA	NA	NA
Silver	MG/KG	NA	NA	NA	NA	NA

Flags assigned during chemistry validation are shown.

Detection Limits shown are MDL

TABLE 3-1
SOIL ANALYTICAL RESULTS - INORGANICS
NIACET VCP

Location ID		SB-028	SB-028	SB-029/PZ-06	SB-029/PZ-06	SB-029/PZ-06
Sample ID		SB-28-0-7.5	SB-28-7.5	SB-29-0-2"	SB-29-0-7'	SB-29-7'
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		0.0-7.5	7.5-7.5	0.0-0.2	0.0-7.0	7.0-7.0
Date Sampled		05/13/04	05/13/04	05/13/04	05/13/04	05/13/04
Parameter	Units					
Metals						
Arsenic	MG/KG	NA	NA	NA	NA	NA
Barium	MG/KG	NA	NA	NA	NA	NA
Cadmium	MG/KG	NA	NA	NA	NA	NA
Chromium	MG/KG	NA	NA	NA	NA	NA
Lead	MG/KG	NA	NA	NA	NA	NA
Mercury	MG/KG	0.029 BJ	0.013 BJ	9.4 J	0.076 J	0.010 UJ
Selenium	MG/KG	NA	NA	NA	NA	NA
Silver	MG/KG	NA	NA	NA	NA	NA

Flags assigned during chemistry validation are shown.

Detection Limits shown are MDL

TABLE 3-1
SOIL ANALYTICAL RESULTS - INORGANICS
NIACET VCP

Location ID		SB-030	SB-030	SB-030	SB-031	SB-031
Sample ID		SB-30-0-2"	SB-30-0-8'	SB-30-8'	SB-31-0-8'	SB-31-8'
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		0.0-0.2	0.0-8.0	8.0-8.0	0.0-8.0	8.0-8.0
Date Sampled		05/13/04	05/13/04	05/13/04	05/24/04	05/24/04
Parameter	Units					
Metals						
Arsenic	MG/KG	NA	NA	NA	NA	NA
Barium	MG/KG	NA	NA	NA	NA	NA
Cadmium	MG/KG	NA	NA	NA	NA	NA
Chromium	MG/KG	NA	NA	NA	NA	NA
Lead	MG/KG	NA	NA	NA	NA	NA
Mercury	MG/KG	26.0 J	1.1 J	0.962 J	0.026 B	0.011 U
Selenium	MG/KG	NA	NA	NA	NA	NA
Silver	MG/KG	NA	NA	NA	NA	NA

Flags assigned during chemistry validation are shown.

Detection Limits shown are MDL

**TABLE 3-1
SOIL ANALYTICAL RESULTS - INORGANICS
NIACET VCP**

Location ID		SB-032	SB-032	SB-032	SB-033/PZ-03	SB-033/PZ-03
Sample ID		SB-32-0-2"	SB-32-0-2'	SB-32-2'	SB-33 0-2"	SB-33 0-7'
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		0.0-0.2	0.0-2.0	2.0-2.0	0.0-0.2	0.0-7.0
Date Sampled		05/13/04	05/13/04	05/13/04	05/14/04	05/14/04
Parameter	Units					
Metals						
Arsenic	MG/KG	NA	NA	NA	NA	NA
Barium	MG/KG	NA	NA	NA	NA	NA
Cadmium	MG/KG	NA	NA	NA	NA	NA
Chromium	MG/KG	NA	NA	NA	NA	NA
Lead	MG/KG	NA	NA	NA	NA	NA
Mercury	MG/KG	104 J	14.8 J	1.6 J	387	0.371
Selenium	MG/KG	NA	NA	NA	NA	NA
Silver	MG/KG	NA	NA	NA	NA	NA

Flags assigned during chemistry validation are shown.

Detection Limits shown are MDL

TABLE 3-1
SOIL ANALYTICAL RESULTS - INORGANICS
NIACET VCP

Location ID		SB-033/PZ-03	SB-033/PZ-03	SB-034	SB-034	SB-034
Sample ID		SB-33-6-7	SB-33 7'	SB-34 0-2"	SB-34 0-8	SB-34 8'
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		6.0-7.0	7.0-7.0	0.0-0.2	0.0-8.0	8.0-8.0
Date Sampled		05/14/04	05/14/04	05/14/04	05/14/04	05/14/04
Parameter	Units					
Metals						
Arsenic	MG/KG	9.4	NA	NA	NA	NA
Barium	MG/KG	76.2	NA	NA	NA	NA
Cadmium	MG/KG	0.48	NA	NA	NA	NA
Chromium	MG/KG	19.6	NA	NA	NA	NA
Lead	MG/KG	44.7	NA	NA	NA	NA
Mercury	MG/KG	0.23	0.126	97.2	0.056 B	0.070
Selenium	MG/KG	1.1 U	NA	NA	NA	NA
Silver	MG/KG	0.14 U	NA	NA	NA	NA

Flags assigned during chemistry validation are shown.

Detection Limits shown are MDL

TABLE 3-1
SOIL ANALYTICAL RESULTS - INORGANICS
NIACET VCP

Location ID		SB-034	SB-035	SB-035	SB-035	SB-036
Sample ID		SB-34 10.2'	SB-35-0-2"	SB-35-0-7.5'	SB-35-7.5'	SB-36-0-2"
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		10.2-10.2	0.0-0.2	0.0-7.5	7.5-7.5	0.0-0.2
Date Sampled		05/14/04	05/20/04	05/20/04	05/20/04	05/20/04
Parameter	Units					
Metals						
Arsenic	MG/KG	NA	NA	NA	NA	NA
Barium	MG/KG	NA	NA	NA	NA	NA
Cadmium	MG/KG	NA	NA	NA	NA	NA
Chromium	MG/KG	NA	NA	NA	NA	NA
Lead	MG/KG	NA	NA	NA	NA	NA
Mercury	MG/KG	0.011 B	13.0 J	19.7 J	2.1 J	20.8 J
Selenium	MG/KG	NA	NA	NA	NA	NA
Silver	MG/KG	NA	NA	NA	NA	NA

Flags assigned during chemistry validation are shown.

Detection Limits shown are MDL

TABLE 3-1
SOIL ANALYTICAL RESULTS - INORGANICS
NIACET VCP

Location ID		SB-036	SB-036	SB-037	SB-037	SB-037
Sample ID		SB-36-0-8.5'	SB-36-9'	SB-37-0-2'	SB-37-0-7'	SB-37-7'
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		0.0-8.5	9.0-9.0	0.0-0.2	0.0-7.0	7.0-7.0
Date Sampled		05/20/04	05/20/04	05/24/04	05/24/04	05/24/04
Parameter	Units					
Metals						
Arsenic	MG/KG	NA	NA	NA	NA	NA
Barium	MG/KG	NA	NA	NA	NA	NA
Cadmium	MG/KG	NA	NA	NA	NA	NA
Chromium	MG/KG	NA	NA	NA	NA	NA
Lead	MG/KG	NA	NA	NA	NA	NA
Mercury	MG/KG	3.0 J	22.0 J	8.6	0.091	0.100
Selenium	MG/KG	NA	NA	NA	NA	NA
Silver	MG/KG	NA	NA	NA	NA	NA

Flags assigned during chemistry validation are shown.

Detection Limits shown are MDL

**TABLE 3-1
SOIL ANALYTICAL RESULTS - INORGANICS
NIACET VCP**

Location ID		SB-038/MW-05	SB-038/MW-05	SB-039	SB-039	SB-039
Sample ID		SB-38-0-4.5	SB-38-4.5	SB-39 0-2"	SB-39 0-11'	SB-39 2'
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		0.0-4.5	4.5-4.5	0.0-0.2	0.0-11.0	2.0-2.0
Date Sampled		05/25/04	05/25/04	05/14/04	05/14/04	05/14/04
Parameter	Units					
Metals						
Arsenic	MG/KG	NA	NA	NA	NA	NA
Barium	MG/KG	NA	NA	NA	NA	NA
Cadmium	MG/KG	NA	NA	NA	NA	NA
Chromium	MG/KG	NA	NA	NA	NA	NA
Lead	MG/KG	NA	NA	NA	NA	NA
Mercury	MG/KG	0.383 J	0.719 J	276	1.6	5,750
Selenium	MG/KG	NA	NA	NA	NA	NA
Silver	MG/KG	NA	NA	NA	NA	NA

Flags assigned during chemistry validation are shown.

Detection Limits shown are MDL

**TABLE 3-1
SOIL ANALYTICAL RESULTS - INORGANICS
NIACET VCP**

Location ID		SB-039	SB-040	SB-040	SB-040	SB-041
Sample ID		SB-39 11'	SB-40-0-2"	SB-40-0-9'	SB-40-9'	SB-41-0-2"
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		11.0-11.0	0.0-0.2	0.0-9.0	9.0-9.0	0.0-0.2
Date Sampled		05/14/04	05/20/04	05/20/04	05/20/04	05/20/04
Parameter	Units					
Metals						
Arsenic	MG/KG	NA	NA	NA	NA	NA
Barium	MG/KG	NA	NA	NA	NA	NA
Cadmium	MG/KG	NA	NA	NA	NA	NA
Chromium	MG/KG	NA	NA	NA	NA	NA
Lead	MG/KG	NA	NA	NA	NA	NA
Mercury	MG/KG	0.395	109 J	13.6 J	0.421 J	26.7 J
Selenium	MG/KG	NA	NA	NA	NA	NA
Silver	MG/KG	NA	NA	NA	NA	NA

Flags assigned during chemistry validation are shown.

Detection Limits shown are MDL

TABLE 3-1
SOIL ANALYTICAL RESULTS - INORGANICS
NIACET VCP

Location ID		SB-041	SB-041	SB-041	SB-042	SB-042
Sample ID		SB-41-0-11'	SB-41-7-8'	SB-41-11'	SB-42-0-2"	SB-42-0-10'
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		0.0-11.0	7.0-8.0	11.0-11.0	0.0-0.2	0.0-10.0
Date Sampled		05/20/04	05/20/04	05/20/04	05/20/04	05/20/04
Parameter	Units					
Metals						
Arsenic	MG/KG	NA	51.9	NA	NA	NA
Barium	MG/KG	NA	131	NA	NA	NA
Cadmium	MG/KG	NA	1.0	NA	NA	NA
Chromium	MG/KG	NA	2,590	NA	NA	NA
Lead	MG/KG	NA	244	NA	NA	NA
Mercury	MG/KG	10.3 J	4,160	616 J	29.7 J	62.1 J
Selenium	MG/KG	NA	1.1 U	NA	NA	NA
Silver	MG/KG	NA	1.3	NA	NA	NA

Flags assigned during chemistry validation are shown.

Detection Limits shown are MDL

TABLE 3-1
SOIL ANALYTICAL RESULTS - INORGANICS
NIACET VCP

Location ID		SB-042	SB-043	SB-043	SB-043	SB-044/MW-06
Sample ID		SB-42-11'	SB-43-0-2"	SB-43-0-9'	SB-43-9'	SB-44-4.5
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		11.0-11.0	0.0-0.2	0.0-9.0	9.0-9.0	0.0-0.2
Date Sampled		05/20/04	05/20/04	05/20/04	05/20/04	05/25/04
Parameter	Units					
Metals						
Arsenic	MG/KG	NA	NA	NA	NA	NA
Barium	MG/KG	NA	NA	NA	NA	NA
Cadmium	MG/KG	NA	NA	NA	NA	NA
Chromium	MG/KG	NA	NA	NA	NA	NA
Lead	MG/KG	NA	NA	NA	NA	NA
Mercury	MG/KG	2.7 J	17.7 J	0.129 J	0.145 J	0.055 BJ
Selenium	MG/KG	NA	NA	NA	NA	NA
Silver	MG/KG	NA	NA	NA	NA	NA

Flags assigned during chemistry validation are shown.

Detection Limits shown are MDL

TABLE 3-1
SOIL ANALYTICAL RESULTS - INORGANICS
NIACET VCP

Location ID		SB-044/MW-06	SB-044/MW-06	SB-045	SB-045	SB-046/PZ-10
Sample ID		SB-44-0-2"	SB-44-0-4.5	SB-45-0-11.5	SB-45-11.5	SB-46-0-2"
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		0.0-2.0	0.0-4.5	0.0-11.5	11.5-11.5	0.0-0.2
Date Sampled		05/25/04	05/25/04	05/17/04	05/17/04	05/20/04
Parameter	Units					
Metals						
Arsenic	MG/KG	NA	NA	NA	NA	NA
Barium	MG/KG	NA	NA	NA	NA	NA
Cadmium	MG/KG	NA	NA	NA	NA	NA
Chromium	MG/KG	NA	NA	NA	NA	NA
Lead	MG/KG	NA	NA	NA	NA	NA
Mercury	MG/KG	24.1 J	0.746 J	0.132	0.322	38.4 J
Selenium	MG/KG	NA	NA	NA	NA	NA
Silver	MG/KG	NA	NA	NA	NA	NA

Flags assigned during chemistry validation are shown.

Detection Limits shown are MDL

TABLE 3-1
SOIL ANALYTICAL RESULTS - INORGANICS
NIACET VCP

Location ID		SB-046/PZ-10	SB-046/PZ-10	SB-047	SB-047	SB-047
Sample ID		SB-46-0-9'	SB-46-9'	SB-47-0-2"	SB-47-0-9'	SB-47-9'
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		0.0-9.0	9.0-9.0	0.0-0.2	0.0-9.0	9.0-9.0
Date Sampled		05/20/04	05/20/04	05/20/04	05/20/04	05/20/04
Parameter	Units					
Metals						
Arsenic	MG/KG	NA	NA	NA	NA	NA
Barium	MG/KG	NA	NA	NA	NA	NA
Cadmium	MG/KG	NA	NA	NA	NA	NA
Chromium	MG/KG	NA	NA	NA	NA	NA
Lead	MG/KG	NA	NA	NA	NA	NA
Mercury	MG/KG	23.2 J	1,460 J	8.8 J	0.870 J	0.580 J
Selenium	MG/KG	NA	NA	NA	NA	NA
Silver	MG/KG	NA	NA	NA	NA	NA

Flags assigned during chemistry validation are shown.

Detection Limits shown are MDL

TABLE 3-1
SOIL ANALYTICAL RESULTS - INORGANICS
NIACET VCP

Location ID		SB-048/MW-07	SB-048/MW-07	SB-048/MW-07	SB-049	SB-049
Sample ID		SB-48-0-2"	SB-48-0-4'	SB-48-4'	SB-49-0-2	SB-49-0-8
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		0.0-2.0	0.0-4.0	4.0-4.0	0.0-0.2	0.0-8.0
Date Sampled		05/25/04	05/25/04	05/25/04	05/17/04	05/17/04
Parameter	Units					
Metals						
Arsenic	MG/KG	NA	NA	NA	NA	NA
Barium	MG/KG	NA	NA	NA	NA	NA
Cadmium	MG/KG	NA	NA	NA	NA	NA
Chromium	MG/KG	NA	NA	NA	NA	NA
Lead	MG/KG	NA	NA	NA	NA	NA
Mercury	MG/KG	53.9 J	22.8 J	20.3 J	337	35.8
Selenium	MG/KG	NA	NA	NA	NA	NA
Silver	MG/KG	NA	NA	NA	NA	NA

Flags assigned during chemistry validation are shown.

Detection Limits shown are MDL

TABLE 3-1
SOIL ANALYTICAL RESULTS - INORGANICS
NIACET VCP

Location ID		SB-049	SB-050	SB-050	SB-050	SB-051
Sample ID		SB-49-8	SB-50-0-2"	SB-50-0-9'	SB-50-9'	SB-51-0-2"
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		8.0-8.0	0.0-0.2	0.0-9.0	9.0-9.0	0.0-0.2
Date Sampled		05/17/04	05/19/04	05/19/04	05/19/04	05/19/04
Parameter	Units					
Metals						
Arsenic	MG/KG	NA	NA	NA	NA	NA
Barium	MG/KG	NA	NA	NA	NA	NA
Cadmium	MG/KG	NA	NA	NA	NA	NA
Chromium	MG/KG	NA	NA	NA	NA	NA
Lead	MG/KG	NA	NA	NA	NA	NA
Mercury	MG/KG	37.4	0.792 R	277	6,280	1.2 R
Selenium	MG/KG	NA	NA	NA	NA	NA
Silver	MG/KG	NA	NA	NA	NA	NA

Flags assigned during chemistry validation are shown.

Detection Limits shown are MDL

TABLE 3-1
SOIL ANALYTICAL RESULTS - INORGANICS
NIACET VCP

Location ID		SB-051	SB-051	SB-052	SB-052	SB-052
Sample ID		SB-51-0-9'	SB-51-9'	SB-52-0-2"	SB-52-0-8'	SB-52-8'
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		0.0-9.0	9.0-9.0	0.0-0.2	0.0-8.0	8.0-8.0
Date Sampled		05/19/04	05/19/04	05/24/04	05/24/04	05/24/04
Parameter	Units					
Metals						
Arsenic	MG/KG	NA	NA	NA	NA	NA
Barium	MG/KG	NA	NA	NA	NA	NA
Cadmium	MG/KG	NA	NA	NA	NA	NA
Chromium	MG/KG	NA	NA	NA	NA	NA
Lead	MG/KG	NA	NA	NA	NA	NA
Mercury	MG/KG	598	609	7.6	0.049 B	0.036 B
Selenium	MG/KG	NA	NA	NA	NA	NA
Silver	MG/KG	NA	NA	NA	NA	NA

Flags assigned during chemistry validation are shown.

Detection Limits shown are MDL

TABLE 3-1
SOIL ANALYTICAL RESULTS - INORGANICS
NIACET VCP

Location ID		SB-053	SB-053	SB-053	SB-054/PZ-09	SB-054/PZ-09
Sample ID		SB-53-0-2	SB-53-0-8	SB-53-8	SB-54-0-2"	SB-54-0-6'
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		0.0-0.2	0.0-8.0	8.0-8.0	0.0-0.2	0.0-6.0
Date Sampled		05/17/04	05/17/04	05/17/04	05/19/04	05/19/04
Parameter	Units					
Metals						
Arsenic	MG/KG	NA	NA	NA	NA	NA
Barium	MG/KG	NA	NA	NA	NA	NA
Cadmium	MG/KG	NA	NA	NA	NA	NA
Chromium	MG/KG	NA	NA	NA	NA	NA
Lead	MG/KG	NA	NA	NA	NA	NA
Mercury	MG/KG	1,600	28.7	29.7	51.7	1.7
Selenium	MG/KG	NA	NA	NA	NA	NA
Silver	MG/KG	NA	NA	NA	NA	NA

Flags assigned during chemistry validation are shown.

Detection Limits shown are MDL

TABLE 3-1
SOIL ANALYTICAL RESULTS - INORGANICS
NIACET VCP

Location ID		SB-054/PZ-09	SB-055	SB-055	SB-055	SB-056/MW-03
Sample ID		SB-54-6'	SB-55-0-2"	SB-55-0-7'	SB-55-7'	SB-56-0-2"
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		6.0-6.0	0.0-0.2	0.0-7.0	7.0-7.0	0.0-0.2
Date Sampled		05/19/04	05/24/04	05/24/04	05/24/04	05/21/04
Parameter	Units					
Metals						
Arsenic	MG/KG	NA	NA	NA	NA	NA
Barium	MG/KG	NA	NA	NA	NA	NA
Cadmium	MG/KG	NA	NA	NA	NA	NA
Chromium	MG/KG	NA	NA	NA	NA	NA
Lead	MG/KG	NA	NA	NA	NA	NA
Mercury	MG/KG	0.287 R	3.2	1.0	7.7	23.5
Selenium	MG/KG	NA	NA	NA	NA	NA
Silver	MG/KG	NA	NA	NA	NA	NA

Flags assigned during chemistry validation are shown.

Detection Limits shown are MDL

**TABLE 3-1
SOIL ANALYTICAL RESULTS - INORGANICS
NIACET VCP**

Location ID		SB-056/MW-03	SB-056/MW-03	SB-057	SB-057	SB-057
Sample ID		SB-56-0-5'	SB-56-5'	SB-57-0-2	SB-57-0-5	SB-57-5
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		0.0-5.0	5.0-5.0	0.0-0.2	0.0-5.0	5.0-5.0
Date Sampled		05/21/04	05/21/04	05/17/04	05/17/04	05/17/04
Parameter	Units					
Metals						
Arsenic	MG/KG	NA	NA	NA	NA	NA
Barium	MG/KG	NA	NA	NA	NA	NA
Cadmium	MG/KG	NA	NA	NA	NA	NA
Chromium	MG/KG	NA	NA	NA	NA	NA
Lead	MG/KG	NA	NA	NA	NA	NA
Mercury	MG/KG	0.335	0.320	41.3	104	2,790
Selenium	MG/KG	NA	NA	NA	NA	NA
Silver	MG/KG	NA	NA	NA	NA	NA

Flags assigned during chemistry validation are shown.

Detection Limits shown are MDL

TABLE 3-1
SOIL ANALYTICAL RESULTS - INORGANICS
NIACET VCP

Location ID		SB-058	SB-058	SB-058	SB-059	SB-059
Sample ID		SB-58-0-2'	SB-58-0-6'	SB-58-6'	SB-59-0-2'	SB-59-0-5'
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		0.0-0.2	0.0-6.0	6.0-6.0	0.0-0.2	0.0-5.0
Date Sampled		05/19/04	05/19/04	05/19/04	05/19/04	05/19/04
Parameter	Units					
Metals						
Arsenic	MG/KG	NA	NA	NA	NA	NA
Barium	MG/KG	NA	NA	NA	NA	NA
Cadmium	MG/KG	NA	NA	NA	NA	NA
Chromium	MG/KG	NA	NA	NA	NA	NA
Lead	MG/KG	NA	NA	NA	NA	NA
Mercury	MG/KG	119	1.5	0.747 R	631	13.5
Selenium	MG/KG	NA	NA	NA	NA	NA
Silver	MG/KG	NA	NA	NA	NA	NA

Flags assigned during chemistry validation are shown.

Detection Limits shown are MDL

**TABLE 3-1
SOIL ANALYTICAL RESULTS - INORGANICS
NIACET VCP**

Location ID		SB-059	SB-060	SB-060	SB-060	SB-061/PZ-07
Sample ID		SB-59-5'	SB-60-0-2"	SB-60-0-4.5'	SB-60-4.5'	SB-61-0-2
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		5.0-5.0	0.0-0.2	0.0-4.5	4.5-4.5	0.0-0.2
Date Sampled		05/19/04	05/21/04	05/21/04	05/21/04	05/17/04
Parameter	Units					
Metals						
Arsenic	MG/KG	NA	NA	NA	NA	NA
Barium	MG/KG	NA	NA	NA	NA	NA
Cadmium	MG/KG	NA	NA	NA	NA	NA
Chromium	MG/KG	NA	NA	NA	NA	NA
Lead	MG/KG	NA	NA	NA	NA	NA
Mercury	MG/KG	0.171 R	12.0	0.465	0.929	433
Selenium	MG/KG	NA	NA	NA	NA	NA
Silver	MG/KG	NA	NA	NA	NA	NA

Flags assigned during chemistry validation are shown.

Detection Limits shown are MDL

TABLE 3-1
SOIL ANALYTICAL RESULTS - INORGANICS
NIACET VCP

Location ID		SB-061/PZ-07	SB-061/PZ-07	SB-062	SB-062	SB-062
Sample ID		SB-61-0-6	SB-61-7	SB-62-0-2	SB-62-0-7	SB-62-7
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		0.0-6.0	7.0-7.0	0.0-0.2	0.0-7.0	7.0-7.0
Date Sampled		05/17/04	05/17/04	05/17/04	05/17/04	05/17/04
Parameter	Units					
Metals						
Arsenic	MG/KG	NA	NA	NA	NA	NA
Barium	MG/KG	NA	NA	NA	NA	NA
Cadmium	MG/KG	NA	NA	NA	NA	NA
Chromium	MG/KG	NA	NA	NA	NA	NA
Lead	MG/KG	NA	NA	NA	NA	NA
Mercury	MG/KG	34.2	70.9	634	1.4	0.587
Selenium	MG/KG	NA	NA	NA	NA	NA
Silver	MG/KG	NA	NA	NA	NA	NA

Flags assigned during chemistry validation are shown.

Detection Limits shown are MDL

TABLE 3-1
SOIL ANALYTICAL RESULTS - INORGANICS
NIACET VCP

Location ID		SB-063/PZ-08	SB-063/PZ-08	SB-063/PZ-08	SB-064	SB-064
Sample ID		SB-63-0-2"	SB-63-0-4.5'	SB-63-4.5'	SB-64-0-2"	SB-64-0-3.5'
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		0.0-0.2	0.0-4.5	4.5-4.5	0.0-0.2	0.0-3.5
Date Sampled		05/19/04	05/19/04	05/19/04	05/21/04	05/21/04
Parameter	Units					
Metals						
Arsenic	MG/KG	NA	NA	NA	NA	NA
Barium	MG/KG	NA	NA	NA	NA	NA
Cadmium	MG/KG	NA	NA	NA	NA	NA
Chromium	MG/KG	NA	NA	NA	NA	NA
Lead	MG/KG	NA	NA	NA	NA	NA
Mercury	MG/KG	426	40.3	18.2	1,240	1.7
Selenium	MG/KG	NA	NA	NA	NA	NA
Silver	MG/KG	NA	NA	NA	NA	NA

Flags assigned during chemistry validation are shown.

Detection Limits shown are MDL

TABLE 3-1
SOIL ANALYTICAL RESULTS - INORGANICS
NIACET VCP

Location ID		SB-064	SB-065	SB-065	SB-066	SB-066
Sample ID		SB-64-3.5'	SB-65-0-3'	SB-65-3'	SB-66-0-2"	SB-66-0-1.9'
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		3.5-3.5	0.0-3.0	3.0-3.0	0.0-0.2	0.0-1.9
Date Sampled		05/21/04	05/25/04	05/25/04	05/18/04	05/18/04
Parameter	Units					
Metals						
Arsenic	MG/KG	NA	NA	NA	NA	NA
Barium	MG/KG	NA	NA	NA	NA	NA
Cadmium	MG/KG	NA	NA	NA	NA	NA
Chromium	MG/KG	NA	NA	NA	NA	NA
Lead	MG/KG	NA	NA	NA	NA	NA
Mercury	MG/KG	2.0	15.5 J	23.5 J	65.9 J	638 J
Selenium	MG/KG	NA	NA	NA	NA	NA
Silver	MG/KG	NA	NA	NA	NA	NA

Flags assigned during chemistry validation are shown.

Detection Limits shown are MDL

TABLE 3-1
SOIL ANALYTICAL RESULTS - INORGANICS
NIACET VCP

Location ID		SB-066	SB-067	SB-067	SB-068	SB-068
Sample ID		SB-66-1.9'	SB-67-0-4.5	SB-67-4.5	SB-68-0-1.3'	SB-68-1.3'
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		1.9-1.9	0.0-4.5	4.5-4.5	0.0-1.3	1.3-1.3
Date Sampled		05/18/04	05/18/04	05/18/04	05/18/04	05/18/04
Parameter	Units					
Metals						
Arsenic	MG/KG	NA	NA	NA	NA	NA
Barium	MG/KG	NA	NA	NA	NA	NA
Cadmium	MG/KG	NA	NA	NA	NA	NA
Chromium	MG/KG	NA	NA	NA	NA	NA
Lead	MG/KG	NA	NA	NA	NA	NA
Mercury	MG/KG	4.7 J	170 J	12.5 J	139 J	19.2 J
Selenium	MG/KG	NA	NA	NA	NA	NA
Silver	MG/KG	NA	NA	NA	NA	NA

Flags assigned during chemistry validation are shown.

Detection Limits shown are MDL

**TABLE 3-1
SOIL ANALYTICAL RESULTS - INORGANICS
NIACET VCP**

Location ID		SB-069	SB-069	SB-069	SB-070	SB-070
Sample ID		SB-69-0-2"	SB-69-0-1'	SB-69-1'	SB-70-0-2"	SB-70-0-4'
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		0.0-0.2	0.0-1.0	1.0-1.0	0.0-0.2	0.0-4.0
Date Sampled		05/18/04	05/18/04	05/18/04	05/18/04	05/18/04
Parameter	Units					
Metals						
Arsenic	MG/KG	NA	NA	NA	NA	NA
Barium	MG/KG	NA	NA	NA	NA	NA
Cadmium	MG/KG	NA	NA	NA	NA	NA
Chromium	MG/KG	NA	NA	NA	NA	NA
Lead	MG/KG	NA	NA	NA	NA	NA
Mercury	MG/KG	180 J	63.1 J	66.0 J	1,070 J	278 J
Selenium	MG/KG	NA	NA	NA	NA	NA
Silver	MG/KG	NA	NA	NA	NA	NA

Flags assigned during chemistry validation are shown.

Detection Limits shown are MDL

TABLE 3-1
SOIL ANALYTICAL RESULTS - INORGANICS
NIACET VCP

Location ID		SB-072	SB-072	SB-073	SB-073	SB-073
Sample ID		SB-72-0-2'	SB-72-2'	SB-73-0-2"	SB-73-0-1'	SB-73-0-2'
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		0.0-2.0	2.0-2.0	0.0-0.2	0.0-1.0	0.0-2.0
Date Sampled		05/18/04	05/18/04	05/18/04	05/18/04	05/18/04
Parameter	Units					
Metals						
Arsenic	MG/KG	NA	NA	NA	NA	NA
Barium	MG/KG	NA	NA	NA	NA	NA
Cadmium	MG/KG	NA	NA	NA	NA	NA
Chromium	MG/KG	NA	NA	NA	NA	NA
Lead	MG/KG	NA	NA	NA	NA	NA
Mercury	MG/KG	477 J	319 J	103 J	2,110 J	1,030 J
Selenium	MG/KG	NA	NA	NA	NA	NA
Silver	MG/KG	NA	NA	NA	NA	NA

Flags assigned during chemistry validation are shown.

Detection Limits shown are MDL

TABLE 3-1
SOIL ANALYTICAL RESULTS - INORGANICS
NIACET VCP

Location ID		SB-070	SB-071	SB-071	SB-071	SB-072
Sample ID		SB-70-4'	SB-71-0-2"	SB-71-0-3'	SB-71-3'	SB-72-0-2"
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		4.0-4.0	0.0-0.2	0.0-3.0	3.0-3.0	0.0-0.2
Date Sampled		05/18/04	05/18/04	05/18/04	05/18/04	05/18/04
Parameter	Units					
Metals						
Arsenic	MG/KG	NA	NA	NA	NA	NA
Barium	MG/KG	NA	NA	NA	NA	NA
Cadmium	MG/KG	NA	NA	NA	NA	NA
Chromium	MG/KG	NA	NA	NA	NA	NA
Lead	MG/KG	NA	NA	NA	NA	NA
Mercury	MG/KG	3,470 J	292 J	194 J	115 J	270 J
Selenium	MG/KG	NA	NA	NA	NA	NA
Silver	MG/KG	NA	NA	NA	NA	NA

Flags assigned during chemistry validation are shown.

Detection Limits shown are MDL

TABLE 3-1
SOIL ANALYTICAL RESULTS - INORGANICS
NIACET VCP

Location ID		SB-073	SB-074	SB-074	SB-074	SB-074
Sample ID		SB-73-2'	SB-74-0-2"	SB-74-0-1	SB-74-1	SB-74-3.5'
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		2.0-2.0	0.0-0.2	0.0-1.0	1.0-1.0	3.5-3.5
Date Sampled		05/18/04	05/18/04	05/18/04	05/18/04	05/18/04
Parameter	Units					
Metals						
Arsenic	MG/KG	NA	NA	NA	NA	NA
Barium	MG/KG	NA	NA	NA	NA	NA
Cadmium	MG/KG	NA	NA	NA	NA	NA
Chromium	MG/KG	NA	NA	NA	NA	NA
Lead	MG/KG	NA	NA	NA	NA	NA
Mercury	MG/KG	7.5 J	400 J	421 J	19.6 J	5.6 J
Selenium	MG/KG	NA	NA	NA	NA	NA
Silver	MG/KG	NA	NA	NA	NA	NA

Flags assigned during chemistry validation are shown.

Detection Limits shown are MDL

TABLE 3-1
SOIL ANALYTICAL RESULTS - INORGANICS
NIACET VCP

Location ID		SB-075	SB-075	SB-075	SB-075	SB-076
Sample ID		SB-75-0-2"	SB-75-0-2'	SB-75-1'	SB-75-2'	SB-76-0-2"
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		0.0-0.2	0.0-2.0	1.0-1.0	2.0-2.0	0.0-0.2
Date Sampled		05/21/04	05/21/04	05/21/04	05/21/04	05/21/04
Parameter	Units					
Metals						
Arsenic	MG/KG	NA	NA	NA	NA	NA
Barium	MG/KG	NA	NA	NA	NA	NA
Cadmium	MG/KG	NA	NA	NA	NA	NA
Chromium	MG/KG	NA	NA	NA	NA	NA
Lead	MG/KG	NA	NA	NA	NA	NA
Mercury	MG/KG	711	90.4	2,000	43.1	48.7
Selenium	MG/KG	NA	NA	NA	NA	NA
Silver	MG/KG	NA	NA	NA	NA	NA

Flags assigned during chemistry validation are shown.

Detection Limits shown are MDL

TABLE 3-1
SOIL ANALYTICAL RESULTS - INORGANICS
NIACET VCP

Location ID		SB-076	SB-076	SB-077	SB-077	SB-077
Sample ID		SB-76-0-4.5'	SB-76-4.5'	SB-77-0-2"	SB-77-0-2'	SB-77-2'
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		0.0-4.5	4.5-4.5	0.0-0.2	0.0-2.0	2.0-2.0
Date Sampled		05/21/04	05/21/04	05/18/04	05/18/04	05/18/04
Parameter	Units					
Metals						
Arsenic	MG/KG	NA	NA	NA	NA	NA
Barium	MG/KG	NA	NA	NA	NA	NA
Cadmium	MG/KG	NA	NA	NA	NA	NA
Chromium	MG/KG	NA	NA	NA	NA	NA
Lead	MG/KG	NA	NA	NA	NA	NA
Mercury	MG/KG	29.4	12.5	95.5 J	54.4 J	0.868 J
Selenium	MG/KG	NA	NA	NA	NA	NA
Silver	MG/KG	NA	NA	NA	NA	NA

Flags assigned during chemistry validation are shown.

Detection Limits shown are MDL

**TABLE 3-1
SOIL ANALYTICAL RESULTS - INORGANICS
NIACET VCP**

Location ID		SB-078	SB-078	SB-079	SB-079	SB-079
Sample ID		SB-78-0-4'	SB-78-4'	SB-79-0-2"	SB-79-0-7'	SB-79-7.5
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		0.0-4.0	4.0-4.0	0.0-0.2	0.0-7.0	7.5-7.5
Date Sampled		05/25/04	05/25/04	05/19/04	05/19/04	05/19/04
Parameter	Units					
Metals						
Arsenic	MG/KG	NA	NA	NA	NA	NA
Barium	MG/KG	NA	NA	NA	NA	NA
Cadmium	MG/KG	NA	NA	NA	NA	NA
Chromium	MG/KG	NA	NA	NA	NA	NA
Lead	MG/KG	NA	NA	NA	NA	NA
Mercury	MG/KG	0.046 BJ	1.3 J	23.7	7.5	0.714 R
Selenium	MG/KG	NA	NA	NA	NA	NA
Silver	MG/KG	NA	NA	NA	NA	NA

Flags assigned during chemistry validation are shown.

Detection Limits shown are MDL

TABLE 3-1
SOIL ANALYTICAL RESULTS - INORGANICS
NIACET VCP

Location ID		SB-080/MW-02	SB-080/MW-02	SB-080/MW-02	SB-081/PZ-12	SB-081/PZ-12
Sample ID		SB-80-0-2"	SB-80-0-9'	SB-80-9'	SB-81 0-2	SB-81 0-4
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		0.0-0.2	0.0-9.0	9.0-9.0	0.0-0.2	0.0-1.0
Date Sampled		05/19/04	05/19/04	05/19/04	05/26/04	05/26/04
Parameter	Units					
Metals						
Arsenic	MG/KG	NA	NA	NA	NA	NA
Barium	MG/KG	NA	NA	NA	NA	NA
Cadmium	MG/KG	NA	NA	NA	NA	NA
Chromium	MG/KG	NA	NA	NA	NA	NA
Lead	MG/KG	NA	NA	NA	NA	NA
Mercury	MG/KG	0.598 R	4,110	483	30.8	0.041 B
Selenium	MG/KG	NA	NA	NA	NA	NA
Silver	MG/KG	NA	NA	NA	NA	NA

Flags assigned during chemistry validation are shown.

Detection Limits shown are MDL

TABLE 3-1
SOIL ANALYTICAL RESULTS - INORGANICS
NIACET VCP

Location ID		SB-081/PZ-12	SB-082/PZ-13	SB-082/PZ-13	SB-082/PZ-13	SB-083
Sample ID		SB-81 4	SB-82 0-2	SB-82 0-4	SB-82 4	SB-83-0-2
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		4.0-4.0	0.0-0.2	0.0-4.0	4.0-4.0	0.0-2.0
Date Sampled		05/26/04	05/26/04	05/26/04	05/26/04	05/26/04
Parameter	Units					
Metals						
Arsenic	MG/KG	NA	NA	NA	NA	NA
Barium	MG/KG	NA	NA	NA	NA	NA
Cadmium	MG/KG	NA	NA	NA	NA	NA
Chromium	MG/KG	NA	NA	NA	NA	NA
Lead	MG/KG	NA	NA	NA	NA	NA
Mercury	MG/KG	0.023 U	166 J	0.249	0.135	26.1
Selenium	MG/KG	NA	NA	NA	NA	NA
Silver	MG/KG	NA	NA	NA	NA	NA

Flags assigned during chemistry validation are shown.

Detection Limits shown are MDL

TABLE 3-1
SOIL ANALYTICAL RESULTS - INORGANICS
NIACET VCP

Location ID		SB-084	SB-085	SB-085	SB-086	SB-087
Sample ID		SB-84-4-6	SB-85-0.5	SB-85B-1	SB-86-2-4	SB-87-0-2
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		4.0-6.0	0.5-0.5	1.0-1.0	2.0-4.0	0.0-2.0
Date Sampled		05/26/04	05/26/04	05/26/04	05/26/04	05/26/04
Parameter	Units					
Metals						
Arsenic	MG/KG	NA	NA	NA	NA	NA
Barium	MG/KG	NA	NA	NA	NA	NA
Cadmium	MG/KG	NA	NA	NA	NA	NA
Chromium	MG/KG	NA	NA	NA	NA	NA
Lead	MG/KG	NA	NA	NA	NA	NA
Mercury	MG/KG	1,200	887	964	4.3	96.3
Selenium	MG/KG	NA	NA	NA	NA	NA
Silver	MG/KG	NA	NA	NA	NA	NA

Flags assigned during chemistry validation are shown.

Detection Limits shown are MDL

TABLE 3-1
SOIL ANALYTICAL RESULTS - INORGANICS
NIACET VCP

Location ID		SB-090	SB-090	SB-091	SB-091	SB-092
Sample ID		SB-90-0-2	SB-90-2-4	SB-91-0-2	SB-91-2-4	SB-92-0-2
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		0.0-2.0	2.0-4.0	0.0-2.0	2.0-4.0	0.0-2.0
Date Sampled		05/27/04	05/27/04	05/27/04	05/27/04	05/27/04
Parameter	Units					
Metals						
Arsenic	MG/KG	NA	NA	NA	NA	NA
Barium	MG/KG	NA	NA	NA	NA	NA
Cadmium	MG/KG	NA	NA	NA	NA	NA
Chromium	MG/KG	NA	NA	NA	NA	NA
Lead	MG/KG	NA	NA	NA	NA	NA
Mercury	MG/KG	3,930	5.8	496	158	4,040
Selenium	MG/KG	NA	NA	NA	NA	NA
Silver	MG/KG	NA	NA	NA	NA	NA

Flags assigned during chemistry validation are shown.

Detection Limits shown are MDL

**TABLE 3-1
SOIL ANALYTICAL RESULTS - INORGANICS
NIACET VCP**

Location ID		SB-092	SB-093	SB-093	SB-094	SB-094
Sample ID		SB-92-2-4	SB-93-0-2	SB-93-2-4	SB-94-0-2	SB-94-2-4
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		2.0-4.0	0.0-2.0	2.0-4.0	0.0-2.0	2.0-4.0
Date Sampled		05/27/04	05/27/04	05/27/04	05/27/04	05/27/04
Parameter	Units					
Metals						
Arsenic	MG/KG	NA	NA	NA	NA	NA
Barium	MG/KG	NA	NA	NA	NA	NA
Cadmium	MG/KG	NA	NA	NA	NA	NA
Chromium	MG/KG	NA	NA	NA	NA	NA
Lead	MG/KG	NA	NA	NA	NA	NA
Mercury	MG/KG	50.1	141	5.3	7,130	0.644
Selenium	MG/KG	NA	NA	NA	NA	NA
Silver	MG/KG	NA	NA	NA	NA	NA

Flags assigned during chemistry validation are shown.

Detection Limits shown are MDL

TABLE 3-1
SOIL ANALYTICAL RESULTS - INORGANICS
NIACET VCP

Location ID		SB-095	SB-095	SB-095	SB-096	SB-096
Sample ID		SB-95-0-1	SB-95-1-2	SB-95-2-3	SB-96-0-2'	SB-96-2-4'
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		0.0-1.0	1.0-2.0	2.0-3.0	0.0-2.0	2.0-4.0
Date Sampled		05/27/04	05/27/04	05/27/04	05/27/04	05/27/04
Parameter	Units					
Metals						
Arsenic	MG/KG	NA	NA	NA	NA	NA
Barium	MG/KG	NA	NA	NA	NA	NA
Cadmium	MG/KG	NA	NA	NA	NA	NA
Chromium	MG/KG	NA	NA	NA	NA	NA
Lead	MG/KG	NA	NA	NA	NA	NA
Mercury	MG/KG	7,330	238	4.7	1,490	0.751
Selenium	MG/KG	NA	NA	NA	NA	NA
Silver	MG/KG	NA	NA	NA	NA	NA

Flags assigned during chemistry validation are shown.

Detection Limits shown are MDL

TABLE 3-1
SOIL ANALYTICAL RESULTS - INORGANICS
NIACET VCP

Location ID		SB-097	SB-097	SB-098	SB-099	SB-099
Sample ID		SB-97-0-1'	SB-97-1-3'	SB-98-0-1'	SB-99-1.5'	SB-99-2.0'
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		0.0-1.0	1.0-3.0	0.0-1.0	1.5-1.5	2.0-2.0
Date Sampled		05/27/04	05/27/04	05/27/04	05/27/04	05/27/04
Parameter	Units					
Metals						
Arsenic	MG/KG	NA	NA	NA	NA	NA
Barium	MG/KG	NA	NA	NA	NA	NA
Cadmium	MG/KG	NA	NA	NA	NA	NA
Chromium	MG/KG	NA	NA	NA	NA	NA
Lead	MG/KG	NA	NA	NA	NA	NA
Mercury	MG/KG	0.792	1.9	558	155	8.0
Selenium	MG/KG	NA	NA	NA	NA	NA
Silver	MG/KG	NA	NA	NA	NA	NA

Flags assigned during chemistry validation are shown.

Detection Limits shown are MDL

TABLE 3-1
SOIL ANALYTICAL RESULTS - INORGANICS
NIACET VCP

Location ID		SB-100	SB-100	SB-101	SB-101	SB-101
Sample ID		SB-100-1'	SB-100-2'	SB-101-0-1'	SB-101-1-2'	SB-101-2-3'
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		1.0-1.0	2.0-2.0	0.0-10.0	1.0-2.0	2.0-3.0
Date Sampled		05/27/04	05/27/04	05/27/04	05/27/04	05/27/04
Parameter	Units					
Metals						
Arsenic	MG/KG	NA	NA	NA	NA	NA
Barium	MG/KG	NA	NA	NA	NA	NA
Cadmium	MG/KG	NA	NA	NA	NA	NA
Chromium	MG/KG	NA	NA	NA	NA	NA
Lead	MG/KG	NA	NA	NA	NA	NA
Mercury	MG/KG	38.3	2.0	871	95.6	57.2
Selenium	MG/KG	NA	NA	NA	NA	NA
Silver	MG/KG	NA	NA	NA	NA	NA

Flags assigned during chemistry validation are shown.

Detection Limits shown are MDL

TABLE 3-1
SOIL ANALYTICAL RESULTS - INORGANICS
NIACET VCP

Location ID		SB-102	SB-102	SB-103	SB-103	SB-104
Sample ID		SB-102-0-2'	SB-102-2-3.9'	SB-103-0-2'	SB-103-2-4'	SB-104-0-2'
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		0.0-2.0	2.0-3.9	0.0-2.0	2.0-4.0	0.0-2.0
Date Sampled		05/27/04	05/27/04	05/27/04	05/27/04	05/27/04
Parameter	Units					
Metals						
Arsenic	MG/KG	NA	NA	NA	NA	NA
Barium	MG/KG	NA	NA	NA	NA	NA
Cadmium	MG/KG	NA	NA	NA	NA	NA
Chromium	MG/KG	NA	NA	NA	NA	NA
Lead	MG/KG	NA	NA	NA	NA	NA
Mercury	MG/KG	7,790	7.5	21.9	16.9	13,100
Selenium	MG/KG	NA	NA	NA	NA	NA
Silver	MG/KG	NA	NA	NA	NA	NA

Flags assigned during chemistry validation are shown.

Detection Limits shown are MDL

TABLE 3-1
SOIL ANALYTICAL RESULTS - INORGANICS
NIACET VCP

Location ID		SB-104	SB-105	SB-106	SB-106	SB-106
Sample ID		SB-104-2-4'	SB-105-0-2'	MW-02-0-2"	MW-02-0-1.6'	MW-02-1.6'
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		2.0-4.0	0.0-2.0	0.0-0.2	0.0-1.6	1.6-1.6
Date Sampled		05/27/04	05/27/04	05/18/04	05/18/04	05/18/04
Parameter	Units					
Metals						
Arsenic	MG/KG	NA	NA	NA	NA	NA
Barium	MG/KG	NA	NA	NA	NA	NA
Cadmium	MG/KG	NA	NA	NA	NA	NA
Chromium	MG/KG	NA	NA	NA	NA	NA
Lead	MG/KG	NA	NA	NA	NA	NA
Mercury	MG/KG	19.3	6.3	1.7 J	0.162 J	2.6 J
Selenium	MG/KG	NA	NA	NA	NA	NA
Silver	MG/KG	NA	NA	NA	NA	NA

Flags assigned during chemistry validation are shown.

Detection Limits shown are MDL

Corporation under their standby contract with the USEPA. The findings of the PA indicated that there was a potential for soil, surface water and groundwater contamination from possible improper storage of drums containing mercury/aluminum sludge and 2-ethylhexoate. The PA further stated that the priority for further action at the site was low, and recommended that a site inspection be performed on a 'time available basis, and sampling of soil, groundwater and surface water might be warranted.

During 1998, a new aboveground storage tank (AST) farm was constructed in the area southeast of Building 4/4A (Figure 1-2). Niacet personnel stated that visible elemental mercury was observed at the bedrock surface at the bottom of the new AST pad excavation. The fill/soil in this area also was contaminated with disseminated mercury. A total of 32,520 lb of mercury-contaminated soil from the excavation was transported and disposed at CWM Chemical Services Facility in Model City, NY. A copy of the Hazardous Waste Manifest is included in Appendix F.

Additionally, in 2001, soils contaminated with visible mercury were encountered during installation of a trench drain in the floor of Building 17. A total of 2,100 lbs of mercury – contaminated soils were drummed and transported to CWM for treatment and disposal. A copy of the waste manifest is included in Appendix F.

The parcel consists of a roughly L-shaped area with brick and cinder block buildings occupying the western portion of the property. New cooling towers and above ground storage tanks (ASTs) were installed in the central portion of the parcel within the past few years. During these construction activities, elemental mercury was discovered in some of the new structure excavations. The remainder of the property consists of asphalt and concrete roadways, parking lots, foundations from former buildings, a concrete lined cooling pond, and open areas containing industrial fill. Adjacent properties are primarily industrial. The site is bordered on the east by the former Electro Metals facility and on the south by Simmons Avenue and other industrial properties. Pine Avenue borders the north side of the site. 47th Street is west of the site, with recreational baseball diamonds on the west side of 47th Street.

1.2 Regional Geology

The Niacet Facility rests on glacial deposits consisting of lake bottom sediments and/or glacial till. Underlying the glacial deposits is the Lockport Dolomite formation. The Lockport formation underlies the entire city of Niagara Falls, and extends from the Niagara escarpment south to Grand Island. The overlying glacial deposits are typically very thin, with an average thickness of approximately 10 feet, throughout the region. Groundwater within the Lockport formation is fracture controlled, as groundwater is present in wells that intercept fractures within the bedrock. The overlying glacial deposits are insignificant producers of groundwater. Groundwater flow is to the west, controlled by the New York Power Authority water conduit (Figure 1-1).

1.3 Previous Site Investigation Activities

Based on review of the historical site data, four areas of the site were identified where mercury had been used, recovered or disposed. These areas are shown on Figure 1-2. Subsequently, a Work Plan to investigate these areas was developed by URS and approved by the NYSDEC.

The Site Investigation (SI) was conducted between April 29 and May 23, 2002. The SI consisted of a soil gas survey, excavation of test trenches and collection/analysis of soil samples in accordance with the NYSDEC-approved Work Plan. A summary of the findings of the investigations is presented below:

- Three areas of the site (i.e. the former mercury recovery area, Building 17 and the area east of the new AST facility) contain visible mercury in the near surface soils. (Due to the potential for exposure of onsite workers to mercury in the former mercury recovery area, it was determined in conjunction with the NYSDEC, NYS Department of Health, UCC and Niacet personnel that access should be restricted. Consequently, fencing was installed around this area during the investigation program).
- It appears that mercury is disseminated in the fill materials in the former transportation corridor, Process Area I, and the Sludge Disposal Area. Whereas the concentrations

exceed the TAGM 4046 recommended soil cleanup objectives (0.1mg/kg), they do not exceed the USEPA RBCs for industrial sites (610 mg/kg), with the exception of TT-02 and TT-12.

- CPAHs and several metals were detected at concentrations that exceed the TAGM 4046 recommended soil cleanup objectives in subsurface soil samples in all areas of the site that were investigated. However, the cPAHs identified and their concentrations are very typical of other industrial sites in western New York. Additionally, the metals concentrations may be representative of site background levels.
- The perched water at the site exhibited elevated concentrations of mercury in all areas of the site. The concentrations were highest in the Former Mercury Recovery Area and decreased to the south, with the lowest levels being observed in the Sludge Disposal Area. Inasmuch as the samples were grab samples of water flowing into the test trenches, and were not filtered to remove any suspended sediment, it is likely that the concentrations are reflective of the sediment and not soluble mercury in the perched water onsite.
- Mercury detected and/or observed at the site does not appear to have migrated (vertically or horizontally) very far from the original source areas. This is supported by the presence of visible mercury in the near surface soils and the relatively limited lateral extent of the mercury in soils in the three areas identified above

2.0 SUPPLEMENTAL SITE INVESTIGATION ACTIVITIES

Based on the initial SI, it appears that disseminated and/or visible mercury was identified in all areas of the site that were investigated. Consequently, in order to determine the full extent of mercury contamination at the site, the remaining areas of the site that were not included during the initial SI were investigated during the Supplemental SI. Additionally, the extent of the visible mercury areas was further delineated so that possible interim remedial measures (IRM) could be evaluated.

As described below, soil samples were collected in the previously identified visible mercury areas and throughout the remaining areas of the site to evaluate the extent of mercury contamination. Groundwater samples were collected to evaluate potential onsite/offsite migration of mercury in groundwater. A limited number of surface soil samples also were collected from adjacent offsite areas to the east and west of the facility, to provide background soil information.

The Supplemental Site Investigation activities are described in the following sections. The SI locations are shown on Figure 2-1. The work was performed in accordance with the NYSDEC-approved Work Plan and the following documents, which were incorporated into the Supplemental SI Work Plan

- Part A – Supplemental SI/RAR Work Plan
- Part B – Quality Assurance Project Plan (QAPP)
- Part C – Field Sampling Plan (FSP)
- Part D – Health and Safety Plan (HASP)

2.1 Soils Investigation

During the initial SI, test pit excavation was halted at the first occurrence of visible mercury, perched water, low permeability soil units or when bedrock was encountered, whichever was less. Consequently, the vertical extent of mercury contamination in most areas of the site was not fully delineated. Additionally, disseminated mercury was noted in all other areas of the site that were investigated. However, the areal extent of the disseminated mercury was not fully delineated for the

South of Pike's Creek, none of the samples had mercury concentrations that exceed the USEPA RBCs for industrial sites. Furthermore, only 12 locations north of the creek exceed the USEPA RBCs for industrial sites. Most of these samples are associated with the visible mercury area east of the New AST facility or in the immediate vicinity or north of the Former Mercury Recovery Area.

In the vicinity of the Former Mercury Recovery Area, the soils exhibiting mercury concentrations that exceed the USEPA RBCs for industrial sites are limited to the upper two feet of the fill materials. Mercury concentrations in the fill materials at depths greater than two feet, are generally much lower, typically being less than the USEPA RBCs for residential properties. All the concentrations, with the exception of SB-073, were less than the USEPA RBCs for industrial sites.

Two samples previously collected from test trenches TT-02 and TT-12, in the former Sludge Disposal and Process Area I portion of the site, also exhibited mercury concentrations that exceed the USEPA RBCs for industrial sites.

As indicated in Table 3-2 and on Figure 3-6, the sample collected from SB-020 and analyzed for VOCs, SVOCS and PCBs contained organics consisting primarily of chlorobenzene and three dichlorobenzene compounds at concentrations exceeding the TAGM 4046 criteria. In the samples from SB-033 and SB-041, only acetone and benzene, respectively, were detected at concentrations that slightly exceeded the TAGM 4046 criteria. PCBs were detected in SB-033, however, the concentration did not exceed the TAGM 4046 criteria.

As indicated in Table 3-3, the air sample collected from SB-033 during drilling indicated detectable concentrations of several organic compounds including: dichlorofluoromethane (3.1 ug/m^3), chloromethane (1.2 ug/m^3), methylene chloride (1.8 ug/m^3), toluene (4.5 ug/m^3) and xylene (2.8 ug/m^3).

TABLE 3-2
SOIL ANALYTICAL RESULTS - ORGANICS
NIACET VCP

Location ID		SB-020	SB-020	SB-020	SB-020	SB-033/PZ-03
Sample ID		SB-20-4-6'	SB-20-4-6' DL	SB-20-10'	SB-20-10'DL	SB-33-6-7
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		4.0-6.0	4.0-6.0	10.0-10.0	10.0-10.0	6.0-7.0
Date Sampled		05/11/04	05/11/04	05/11/04	05/11/04	05/14/04
Parameter	Units					
Volatile Organic Compounds						
1,1,1-Trichloroethane	UG/KG	NA	NA	0.7 U	0.7 U	0.7 U
1,1,2,2-Tetrachloroethane	UG/KG	NA	NA	1 U	1 U	1 U
1,1,2-Trichloroethane	UG/KG	NA	NA	0.9 U	0.9 U	0.9 U
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/KG	NA	NA	1 U	1 U	1 U
1,1-Dichloroethane	UG/KG	NA	NA	1 U	1 U	1 U
1,1-Dichloroethene	UG/KG	NA	NA	0.6 U	0.6 U	0.6 U
1,2,4-Trichlorobenzene	UG/KG	NA	NA	0.9 U	0.9 U	0.9 U
1,2-Dibromo-3-chloropropane	UG/KG	NA	NA	1 U	1 U	1 U
1,2-Dibromoethane (Ethylene dibromide)	UG/KG	NA	NA	0.8 U	0.8 U	0.8 U
1,2-Dichlorobenzene	UG/KG	NA	NA	37	490 DJ	0.6 U
1,2-Dichloroethane	UG/KG	NA	NA	0.9 U	0.9 U	0.9 U
1,2-Dichloroethene (cis)	UG/KG	NA	NA	1 U	1 U	1 U
1,2-Dichloroethene (trans)	UG/KG	NA	NA	1 U	1 U	1 U
1,2-Dichloropropane	UG/KG	NA	NA	0.9 U	0.9 U	0.9 U
1,3-Dichlorobenzene	UG/KG	NA	NA	16	0.6 U	0.6 U
1,3-Dichloropropene (cis)	UG/KG	NA	NA	0.8 U	0.8 U	0.8 U
1,3-Dichloropropene (trans)	UG/KG	NA	NA	1 U	1 U	1 U
1,4-Dichlorobenzene	UG/KG	NA	NA	120	2,300 D	0.6 U
2-Hexanone	UG/KG	NA	NA	5 U	5 U	5 U
4-Methyl-2-pentanone	UG/KG	NA	NA	4 U	4 U	4 U
Acetone	UG/KG	NA	NA	22 U	22 U	280
Benzene	UG/KG	NA	NA	0.8 U	0.8 U	0.8 U
Bromodichloromethane	UG/KG	NA	NA	0.7 U	0.7 U	0.7 U

Flags assigned during chemistry validation are shown.

Detection Limits shown are MDL

TABLE 3-2
SOIL ANALYTICAL RESULTS - ORGANICS
NIACET VCP

Location ID		SB-020	SB-020	SB-020	SB-020	SB-033/PZ-03
Sample ID		SB-20-4-6'	SB-20-4-6' DL	SB-20-10'	SB-20-10'DL	SB-33-6-7
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		4.0-6.0	4.0-6.0	10.0-10.0	10.0-10.0	6.0-7.0
Date Sampled		05/11/04	05/11/04	05/11/04	05/11/04	05/14/04
Parameter	Units					
Volatile Organic Compounds						
Bromoform	UG/KG	NA	NA	1 U	1 U	1 U
Bromomethane	UG/KG	NA	NA	1 U	1 U	1 U
Carbon disulfide	UG/KG	NA	NA	1 U	1 U	2 J
Carbon tetrachloride	UG/KG	NA	NA	0.8 U	0.8 U	0.8 U
Chlorobenzene	UG/KG	NA	NA	1,000 E	5,600 D	0.6 U
Chloroethane	UG/KG	NA	NA	0.8 U	0.8 U	0.8 U
Chloroform	UG/KG	NA	NA	1 U	1 U	1 U
Chloromethane	UG/KG	NA	NA	0.7 U	0.7 U	0.7 U
Dibromochloromethane	UG/KG	NA	NA	0.9 U	0.9 U	0.9 U
Dichlorodifluoromethane	UG/KG	NA	NA	1 U	1 U	1 U
Ethylbenzene	UG/KG	NA	NA	0.6 U	0.6 U	0.6 U
Cyclohexane	UG/KG	NA	NA	0.9 U	0.9 U	0.9 U
Isopropylbenzene (Cumene)	UG/KG	NA	NA	0.6 U	0.6 U	200
Methyl ethyl ketone (2-Butanone)	UG/KG	NA	NA	3 U	3 U	69
Methyl tert-butyl ether	UG/KG	NA	NA	0.6 U	0.6 U	0.6 U
Methylene chloride	UG/KG	NA	NA	5 BJ	4 U	17
Methyl acetate	UG/KG	NA	NA	2 U	2 U	2 U
Methylcyclohexane	UG/KG	NA	NA	0.9 U	0.9 U	0.9 U
Styrene	UG/KG	NA	NA	1 U	1 U	1 U
Tetrachloroethene	UG/KG	NA	NA	0.8 U	0.8 U	0.8 U
Toluene	UG/KG	NA	NA	2 U	2 U	2 U
Trichloroethene	UG/KG	NA	NA	0.6 U	0.6 U	0.6 U
Trichlorofluoromethane	UG/KG	NA	NA	0.9 U	0.9 U	0.9 U

Flags assigned during chemistry validation are shown.

Detection Limits shown are MDL

TABLE 3-2
SOIL ANALYTICAL RESULTS - ORGANICS
NIACET VCP

Location ID		SB-020	SB-020	SB-020	SB-020	SB-033/PZ-03
Sample ID		SB-20-4-6'	SB-20-4-6' DL	SB-20-10'	SB-20-10'DL	SB-33-6-7
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		4.0-6.0	4.0-6.0	10.0-10.0	10.0-10.0	6.0-7.0
Date Sampled		05/11/04	05/11/04	05/11/04	05/11/04	05/14/04
Parameter	Units					
Volatile Organic Compounds						
Vinyl acetate	UG/KG	NA	NA	NA	NA	6 U
Vinyl chloride	UG/KG	NA	NA	0.8 U	0.8 U	0.8 U
Xylene (total)	UG/KG	NA	NA	3 U	3 U	3 U
Semivolatile Organic Compounds						
1,2,4-Trichlorobenzene	UG/KG	2,400 J	120 U	120 U	NA	120 U
1,2-Dichlorobenzene	UG/KG	680,000 E	560,000 D	150 U	NA	2,000
1,3-Dichlorobenzene	UG/KG	6,400	170 U	170 U	NA	170 U
1,4-Dichlorobenzene	UG/KG	30,000	160 U	160 U	NA	160 U
2,2'-oxybis(1-Chloropropane)	UG/KG	160 U	160 U	160 U	NA	160 U
2,4,5-Trichlorophenol	UG/KG	79 U	79 U	79 U	NA	79 U
2,4,6-Trichlorophenol	UG/KG	77 U	77 U	77 U	NA	77 U
2,4-Dichlorophenol	UG/KG	100 U	100 U	100 U	NA	100 U
2,4-Dimethylphenol	UG/KG	160 U	160 U	160 U	NA	160 U
2,4-Dinitrophenol	UG/KG	1,500 U	1,500 U	1,500 U	NA	1,500 U
2,4-Dinitrotoluene	UG/KG	74 U	74 U	74 U	NA	74 U
2,6-Dinitrotoluene	UG/KG	180 U	180 U	180 U	NA	180 U
2-Chloronaphthalene	UG/KG	110 U	110 U	110 U	NA	110 U
2-Chlorophenol	UG/KG	97 U	97 U	97 U	NA	97 U
2-Methylnaphthalene	UG/KG	94 U	94 U	94 U	NA	94 U
2-Methylphenol (o-cresol)	UG/KG	90 U	90 U	90 U	NA	90 U
2-Nitroaniline	UG/KG	220 U	220 U	220 U	NA	220 U
2-Nitrophenol	UG/KG	74 U	74 U	74 U	NA	74 U
3,3'-Dichlorobenzidine	UG/KG	180 U	180 U	180 U	NA	180 U

Flags assigned during chemistry validation are shown.

Detection Limits shown are MDL

TABLE 3-2
SOIL ANALYTICAL RESULTS - ORGANICS
NIACET VCP

Location ID		SB-020	SB-020	SB-020	SB-020	SB-033/PZ-03
Sample ID		SB-20-4-6'	SB-20-4-6' DL	SB-20-10'	SB-20-10'DL	SB-33-6-7
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		4.0-6.0	4.0-6.0	10.0-10.0	10.0-10.0	6.0-7.0
Date Sampled		05/11/04	05/11/04	05/11/04	05/11/04	05/14/04
Parameter	Units					
Semivolatile Organic Compounds						
3-Nitroaniline	UG/KG	180 U	180 U	180 U	NA	180 U
4,6-Dinitro-2-methylphenol	UG/KG	550 U	550 U	550 U	NA	550 U
4-Bromophenyl-phenylether	UG/KG	120 U	120 U	120 U	NA	120 U
4-Chloro-3-methylphenol	UG/KG	78 U	78 U	78 U	NA	78 U
4-Chloroaniline	UG/KG	79 U	79 U	79 U	NA	79 U
4-Chlorophenyl-phenylether	UG/KG	120 U	120 U	120 U	NA	120 U
4-Methylphenol (p-cresol)	UG/KG	120 U	120 U	120 U	NA	120 U
4-Nitroaniline	UG/KG	220 U	220 U	220 U	NA	220 U
4-Nitrophenol	UG/KG	560 U	560 U	560 U	NA	560 U
Acenaphthene	UG/KG	110 U	110 U	110 U	NA	110 U
Acenaphthylene	UG/KG	100 U	100 U	100 U	NA	100 U
Anthracene	UG/KG	140 U	140 U	140 U	NA	140 U
Benzo(a)anthracene	UG/KG	160 U	160 U	160 U	NA	160 U
Benzo(a)pyrene	UG/KG	120 U	120 U	120 U	NA	120 U
Acetophenone	UG/KG	78 U	78 U	78 U	NA	78 U
Benzo(b)fluoranthene	UG/KG	150 U	150 U	150 U	NA	150 U
Benzo(g,h,i)perylene	UG/KG	220 U	220 U	220 U	NA	220 U
Benzo(k)fluoranthene	UG/KG	160 U	160 U	160 U	NA	160 U
Atrazine	UG/KG	94 U	94 U	94 U	NA	94 U
Benzoic acid	UG/KG	1,000 U	1,000 U	1,000 U	NA	1,000 U
Benzyl alcohol	UG/KG	97 U	97 U	97 U	NA	97 U
Benzaldehyde	UG/KG	31 U	31 U	31 U	NA	31 U
Biphenyl	UG/KG	61 U	61 U	61 U	NA	61 U

Flags assigned during chemistry validation are shown.

Detection Limits shown are MDL

TABLE 3-2
SOIL ANALYTICAL RESULTS - ORGANICS
NIACET VCP

Location ID		SB-020	SB-020	SB-020	SB-020	SB-033/PZ-03
Sample ID		SB-20-4-6'	SB-20-4-6' DL	SB-20-10'	SB-20-10'DL	SB-33-6-7
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		4.0-6.0	4.0-6.0	10.0-10.0	10.0-10.0	6.0-7.0
Date Sampled		05/11/04	05/11/04	05/11/04	05/11/04	05/14/04
Parameter	Units					
Semivolatile Organic Compounds						
bis(2-Chloroethoxy)methane	UG/KG	91 U	91 U	91 U	NA	91 U
bis(2-Chloroethyl)ether	UG/KG	100 U	100 U	100 U	NA	100 U
bis(2-Ethylhexyl)phthalate	UG/KG	140 U	140 U	140 U	NA	140 U
Butylbenzylphthalate	UG/KG	130 U	130 U	130 U	NA	130 U
Chrysene	UG/KG	130 U	130 U	130 U	NA	130 U
Dibenz(a,h)anthracene	UG/KG	230 U	230 U	230 U	NA	230 U
Dibenzofuran	UG/KG	110 U	110 U	110 U	NA	110 U
Diethylphthalate	UG/KG	140 U	140 U	140 U	NA	140 U
Dimethylphthalate	UG/KG	90 U	90 U	90 U	NA	90 U
Di-n-butylphthalate	UG/KG	140 U	140 U	140 U	NA	140 U
Di-n-octylphthalate	UG/KG	450 U	450 U	450 U	NA	450 U
Fluoranthene	UG/KG	130 U	130 U	130 U	NA	130 U
Caprolactam	UG/KG	50 U	50 U	50 U	NA	50 U
Fluorene	UG/KG	130 U	130 U	130 U	NA	130 U
Hexachlorobenzene	UG/KG	130 U	130 U	130 U	NA	130 U
Hexachlorobutadiene	UG/KG	150 U	150 U	150 U	NA	150 U
Hexachlorocyclopentadiene	UG/KG	200 U	200 U	200 U	NA	200 U
Hexachloroethane	UG/KG	180 U	180 U	180 U	NA	180 U
Indeno(1,2,3-cd)pyrene	UG/KG	200 U	200 U	200 U	NA	200 U
Isophorone	UG/KG	79 U	79 U	79 U	NA	79 U
Naphthalene	UG/KG	110 U	110 U	110 U	NA	110 U
Nitrobenzene	UG/KG	100 U	100 U	100 U	NA	100 U
N-Nitroso-di-n-propylamine	UG/KG	100 U	100 U	100 U	NA	100 U

Flags assigned during chemistry validation are shown.

Detection Limits shown are MDL

TABLE 3-2
SOIL ANALYTICAL RESULTS - ORGANICS
NIACET VCP

Location ID		SB-020	SB-020	SB-020	SB-020	SB-033/PZ-03
Sample ID		SB-20-4-6'	SB-20-4-6' DL	SB-20-10'	SB-20-10'DL	SB-33-6-7
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		4.0-6.0	4.0-6.0	10.0-10.0	10.0-10.0	6.0-7.0
Date Sampled		05/11/04	05/11/04	05/11/04	05/11/04	05/14/04
Parameter	Units					
Semivolatile Organic Compounds						
N-Nitrosodiphenylamine	UG/KG	120 U	120 U	120 U	NA	120 U
Pentachlorophenol	UG/KG	690 U	690 U	690 U	NA	690 U
Phenanthrene	UG/KG	97 U	97 U	97 U	NA	97 U
Phenol	UG/KG	92 U	92 U	92 U	NA	92 U
Pyrene	UG/KG	120 U	120 U	120 U	NA	120 U
Polychlorinated Biphenyls						
Aroclor 1016	UG/KG	NA	NA	3.3 U	NA	3.3 U
Aroclor 1221	UG/KG	NA	NA	7.0 U	NA	7.0 U
Aroclor 1232	UG/KG	NA	NA	3.1 U	NA	3.1 U
Aroclor 1242	UG/KG	NA	NA	2.9 U	NA	2.9 U
Aroclor 1248	UG/KG	NA	NA	4.0 U	NA	4.0 U
Aroclor 1254	UG/KG	NA	NA	8.7 U	NA	40
Aroclor 1260	UG/KG	NA	NA	6.6 U	NA	6.6 U

Flags assigned during chemistry validation are shown.

Detection Limits shown are MDL

TABLE 3-2
SOIL ANALYTICAL RESULTS - ORGANICS
NIACET VCP

Location ID		SB-041
Sample ID		SB-41-7-8'
Matrix		Soil
Depth Interval (ft)		7.0-8.0
Date Sampled		05/20/04
Parameter	Units	
Volatile Organic Compounds		
1,1,1-Trichloroethane	UG/KG	0.7 U
1,1,2,2-Tetrachloroethane	UG/KG	1 U
1,1,2-Trichloroethane	UG/KG	0.9 U
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/KG	1 U
1,1-Dichloroethane	UG/KG	1 U
1,1-Dichloroethene	UG/KG	0.6 U
1,2,4-Trichlorobenzene	UG/KG	0.9 U
1,2-Dibromo-3-chloropropane	UG/KG	1 U
1,2-Dibromoethane (Ethylene dibromide)	UG/KG	0.8 U
1,2-Dichlorobenzene	UG/KG	0.6 U
1,2-Dichloroethane	UG/KG	0.9 U
1,2-Dichloroethene (cis)	UG/KG	1 U
1,2-Dichloroethene (trans)	UG/KG	1 U
1,2-Dichloropropane	UG/KG	0.9 U
1,3-Dichlorobenzene	UG/KG	0.6 U
1,3-Dichloropropene (cis)	UG/KG	0.8 U
1,3-Dichloropropene (trans)	UG/KG	1 U
1,4-Dichlorobenzene	UG/KG	0.6 U
2-Hexanone	UG/KG	5 U
4-Methyl-2-pentanone	UG/KG	4 U
Acetone	UG/KG	120
Benzene	UG/KG	64
Bromodichloromethane	UG/KG	0.7 U

Flags assigned during chemistry validation are shown.

Detection Limits shown are MDL

TABLE 3-2
SOIL ANALYTICAL RESULTS - ORGANICS
NIACET VCP

Location ID		SB-041
Sample ID		SB-41-7-8'
Matrix		Soil
Depth Interval (ft)		7.0-8.0
Date Sampled		05/20/04
Parameter	Units	
Volatile Organic Compounds		
Bromoform	UG/KG	1 U
Bromomethane	UG/KG	1 U
Carbon disulfide	UG/KG	15
Carbon tetrachloride	UG/KG	0.8 U
Chlorobenzene	UG/KG	0.6 U
Chloroethane	UG/KG	0.8 U
Chloroform	UG/KG	1 U
Chloromethane	UG/KG	0.7 U
Dibromochloromethane	UG/KG	0.9 U
Dichlorodifluoromethane	UG/KG	1 U
Ethylbenzene	UG/KG	0.6 U
Cyclohexane	UG/KG	0.9 U
Isopropylbenzene (Cumene)	UG/KG	0.6 U
Methyl ethyl ketone (2-Butanone)	UG/KG	30 J
Methyl tert-butyl ether	UG/KG	0.6 U
Methylene chloride	UG/KG	16
Methyl acetate	UG/KG	2 U
Methylcyclohexane	UG/KG	0.9 U
Styrene	UG/KG	1 U
Tetrachloroethene	UG/KG	0.8 U
Toluene	UG/KG	13
Trichloroethene	UG/KG	0.6 U
Trichlorofluoromethane	UG/KG	0.9 U

Flags assigned during chemistry validation are shown.

Detection Limits shown are MDL

TABLE 3-2
SOIL ANALYTICAL RESULTS - ORGANICS
NIACET VCP

Location ID		SB-041
Sample ID		SB-41-7-8'
Matrix		Soil
Depth Interval (ft)		7.0-8.0
Date Sampled		05/20/04
Parameter	Units	
Volatile Organic Compounds		
Vinyl acetate	UG/KG	6 U
Vinyl chloride	UG/KG	0.8 U
Xylene (total)	UG/KG	3 U
Semivolatile Organic Compounds		
1,2,4-Trichlorobenzene	UG/KG	120 U
1,2-Dichlorobenzene	UG/KG	150 U
1,3-Dichlorobenzene	UG/KG	170 U
1,4-Dichlorobenzene	UG/KG	160 U
2,2'-oxybis(1-Chloropropane)	UG/KG	160 U
2,4,5-Trichlorophenol	UG/KG	79 U
2,4,6-Trichlorophenol	UG/KG	77 U
2,4-Dichlorophenol	UG/KG	100 U
2,4-Dimethylphenol	UG/KG	160 U
2,4-Dinitrophenol	UG/KG	1,500 U
2,4-Dinitrotoluene	UG/KG	74 U
2,6-Dinitrotoluene	UG/KG	180 U
2-Chloronaphthalene	UG/KG	110 U
2-Chlorophenol	UG/KG	97 U
2-Methylnaphthalene	UG/KG	94 U
2-Methylphenol (o-cresol)	UG/KG	90 U
2-Nitroaniline	UG/KG	220 U
2-Nitrophenol	UG/KG	74 U
3,3'-Dichlorobenzidine	UG/KG	180 U

Flags assigned during chemistry validation are shown.

Detection Limits shown are MDL

TABLE 3-2
SOIL ANALYTICAL RESULTS - ORGANICS
NIACET VCP

Location ID		SB-041
Sample ID		SB-41-7-8'
Matrix		Soil
Depth Interval (ft)		7.0-8.0
Date Sampled		05/20/04
Parameter	Units	
Semivolatile Organic Compounds		
3-Nitroaniline	UG/KG	180 U
4,6-Dinitro-2-methylphenol	UG/KG	550 U
4-Bromophenyl-phenylether	UG/KG	120 U
4-Chloro-3-methylphenol	UG/KG	78 U
4-Chloroaniline	UG/KG	79 U
4-Chlorophenyl-phenylether	UG/KG	120 U
4-Methylphenol (p-cresol)	UG/KG	120 U
4-Nitroaniline	UG/KG	220 U
4-Nitrophenol	UG/KG	560 U
Acenaphthene	UG/KG	110 U
Acenaphthylene	UG/KG	100 U
Anthracene	UG/KG	140 U
Benzo(a)anthracene	UG/KG	160 U
Benzo(a)pyrene	UG/KG	120 U
Acetophenone	UG/KG	78 U
Benzo(b)fluoranthene	UG/KG	150 U
Benzo(g,h,i)perylene	UG/KG	220 U
Benzo(k)fluoranthene	UG/KG	160 U
Atrazine	UG/KG	94 U
Benzoic acid	UG/KG	1,000 U
Benzyl alcohol	UG/KG	97 U
Benzaldehyde	UG/KG	31 U
Biphenyl	UG/KG	61 U

Flags assigned during chemistry validation are shown.

Detection Limits shown are MDL

TABLE 3-2
SOIL ANALYTICAL RESULTS - ORGANICS
NIACET VCP

Location ID		SB-041
Sample ID		SB-41-7-8'
Matrix		Soil
Depth Interval (ft)		7.0-8.0
Date Sampled		05/20/04
Parameter	Units	
Semivolatile Organic Compounds		
bis(2-Chloroethoxy)methane	UG/KG	91 U
bis(2-Chloroethyl)ether	UG/KG	100 U
bis(2-Ethylhexyl)phthalate	UG/KG	140 U
Butylbenzylphthalate	UG/KG	130 U
Chrysene	UG/KG	130 U
Dibenz(a,h)anthracene	UG/KG	230 U
Dibenzofuran	UG/KG	110 U
Diethylphthalate	UG/KG	140 U
Dimethylphthalate	UG/KG	90 U
Di-n-butylphthalate	UG/KG	140 U
Di-n-octylphthalate	UG/KG	450 U
Fluoranthene	UG/KG	130 U
Caprolactam	UG/KG	50 U
Fluorene	UG/KG	130 U
Hexachlorobenzene	UG/KG	130 U
Hexachlorobutadiene	UG/KG	150 U
Hexachlorocyclopentadiene	UG/KG	200 U
Hexachloroethane	UG/KG	180 U
Indeno(1,2,3-cd)pyrene	UG/KG	200 U
Isophorone	UG/KG	79 U
Naphthalene	UG/KG	110 U
Nitrobenzene	UG/KG	100 U
N-Nitroso-di-n-propylamine	UG/KG	100 U

Flags assigned during chemistry validation are shown.

Detection Limits shown are MDL

**TABLE 3-2
SOIL ANALYTICAL RESULTS - ORGANICS
NIACET VCP**

Location ID		SB-041
Sample ID		SB-41-7-8'
Matrix		Soil
Depth Interval (ft)		7.0-8.0
Date Sampled		05/20/04
Parameter	Units	
Semivolatile Organic Compounds		
N-Nitrosodiphenylamine	UG/KG	120 U
Pentachlorophenol	UG/KG	690 U
Phenanthrene	UG/KG	97 U
Phenol	UG/KG	92 U
Pyrene	UG/KG	120 U
Polychlorinated Biphenyls		
Aroclor 1016	UG/KG	3.3 U
Aroclor 1221	UG/KG	7.0 U
Aroclor 1232	UG/KG	3.1 U
Aroclor 1242	UG/KG	2.9 U
Aroclor 1248	UG/KG	4.0 U
Aroclor 1254	UG/KG	8.7 U
Aroclor 1260	UG/KG	6.6 U

Flags assigned during chemistry validation are shown.

Detection Limits shown are MDL

TABLE 3-3
AIR ANALYTICAL RESULTS
NIACET VCP

Location ID		SB-033/PZ-03
Sample ID		PZ-03-G
Matrix		Soil Gas
Depth Interval (ft)		-
Date Sampled		06/02/04
Parameter	Units	
Volatile Organic Compounds		
1,1,1-Trichloroethane	PPBV	0.50 U
1,1,2,2-Tetrachloroethane	PPBV	0.50 U
1,1,2-Trichloroethane	PPBV	0.50 U
1,1,2-Trichloro-1,2,2-trifluoroethane	PPBV	0.50 U
1,1-Dichloroethane	PPBV	0.50 U
1,1-Dichloroethene	PPBV	0.50 U
1,2,4-Trichlorobenzene	PPBV	0.50 U
1,2,4-Trimethylbenzene	PPBV	0.50 U
1,2-Dibromoethane (Ethylene dibromide)	PPBV	0.50 U
1,2-Dichlorobenzene	PPBV	0.50 U
1,2-Dichloroethane	PPBV	0.50 U
1,2-Dichloroethene (cis)	PPBV	0.50 U
1,2-Dichloroethene (total)	PPBV	0.50 U
1,2-Dichloroethene (trans)	PPBV	0.50 U
1,2-Dichloropropane	PPBV	0.50 U
1,3,5-Trimethylbenzene (Mesitylene)	PPBV	0.50 U
1,3-Dichlorobenzene	PPBV	0.50 U
1,2-Dichlorotetrafluoroethane	PPBV	0.50 U
1,3-Dichloropropene (cis)	PPBV	0.50 U
1,3-Dichloropropene (trans)	PPBV	0.50 U
1,4-Dichlorobenzene	PPBV	0.50 U
1,4-Dioxane	PPBV	5.0 U
2-Chlorotoluene	PPBV	0.50 U

Flags assigned during chemistry validation are shown.

Detection Limits shown are MDL

**TABLE 3-3
AIR ANALYTICAL RESULTS
NIACET VCP**

Location ID		SB-033/PZ-03
Sample ID		PZ-03-G
Matrix		Soil Gas
Depth Interval (ft)		-
Date Sampled		06/02/04
Parameter	Units	
Volatile Organic Compounds		
2-Hexanone	PPBV	0.50 UJ
4-Methyl-2-pentanone	PPBV	0.50 UJ
Acetone	PPBV	5.0 UJ
4-Ethyltoluene	PPBV	0.50 U
Benzene	PPBV	0.50 U
Bromodichloromethane	PPBV	0.50 U
Bromoform	PPBV	0.50 U
Bromomethane	PPBV	0.50 U
Carbon disulfide	PPBV	0.50 U
Carbon tetrachloride	PPBV	0.50 U
Chlorobenzene	PPBV	0.50 U
Chloroethane	PPBV	0.50 U
Chloroform	PPBV	0.50 U
Chloromethane	PPBV	0.56
Dibromochloromethane	PPBV	0.50 U
Dichlorodifluoromethane	PPBV	0.62
Ethylbenzene	PPBV	0.50 U
Cyclohexane	PPBV	0.50 U
Hexachlorobutadiene	PPBV	0.50 U
Methyl ethyl ketone (2-Butanone)	PPBV	0.50 UJ
Methyl tert-butyl ether	PPBV	0.50 U
Methylene chloride	PPBV	0.53
o-Xylene	PPBV	0.50 U

Flags assigned during chemistry validation are shown.

Detection Limits shown are MDL

TABLE 3-3
AIR ANALYTICAL RESULTS
NIACET VCP

Location ID		SB-033/PZ-03
Sample ID		PZ-03-G
Matrix		Soil Gas
Depth Interval (ft)		-
Date Sampled		06/02/04
Parameter	Units	
Volatile Organic Compounds		
Styrene	PPBV	0.50 U
n-Heptane	PPBV	0.50 U
Tetrachloroethene	PPBV	0.50 U
n-Hexane	PPBV	0.50 U
Toluene	PPBV	1.2
Trichloroethene	PPBV	0.50 U
Trichlorofluoromethane	PPBV	0.50 U
Vinyl chloride	PPBV	0.50 U
Xylene (total)	PPBV	0.63
1,3-Butadiene	PPBV	0.50 U
2,2,4-Trimethylpentane	PPBV	0.50 U
3-Chloropropene	PPBV	0.50 U
Bromoethene	PPBV	0.50 U
Isopropyl Alcohol	PPBV	5.0 UJ
tert-Butyl Alcohol	PPBV	5.0 UJ
Tetrahydrofuran	PPBV	5.0 U
Gases		
Carbon dioxide	PPMV	17,000 U
Carbon Monoxide	PPMV	17,000 U
Methane	PPMV	13,000 U
Nitrogen	PPMV	150,000
Oxygen	PPMV	56,000

Flags assigned during chemistry validation are shown.

Detection Limits shown are MDL

Visible Mercury Areas

Visible elemental mercury was previously identified during the initial site investigation in the near surface soils (i.e. upper two feet) throughout the former Mercury Recovery Area, as well as at a depth of approximately two feet in the soils immediately east of the new AST area (i.e. the area not excavated during construction). The size range of the mercury droplets is estimated at less than 2mm in diameter. Niacet personnel also stated that visible elemental mercury was seen at the bedrock surface at the bottom of the new AST pad excavation. Visible mercury was not noted during the soil excavation inasmuch as no one was specifically looking for it. It is possible that the small mercury beads were not noticed during construction, until a large enough mass had collected to be readily visible and recognized. The spoil from the excavation, which was most probably mercury-contaminated, had in the meantime been transported and spread in the former sludge disposal area.

Niacet personnel also indicated that visible mercury had been observed in the soils immediately below the floor slab in Building 17 during excavation for a linear floor drain.

No elemental mercury was observed in any of the 10 soil borings drilled during this supplemental investigation around the perimeter of the previously identified 'visible mercury' area in the vicinity of the Former Mercury Recovery Facility. Based on this data, the previously defined limits of the 'visible mercury' area were revised slightly (Figure 3-4). As indicated, the mercury is visible in an area covering approximately 13,500 sf and extends to a depth of about 2 feet.

In the area east of the New AST facility, two of the five samples collected during this supplemental investigation showed mercury concentrations exceeding the USEPA RBCs for industrial sites. However, none of these samples contained visible mercury. Consequently, the limits shown on Figure 3-4 will be left essentially as they are. This is primarily based on the fact that the visible mercury was only observed at depth in this area and does not appear to constitute a serious threat of exposure to onsite workers.

3.2.4 Top of Native Soil

As indicated on Figure 3-6, 22 of the 84 samples collected from the top of the native soil layer have mercury concentrations less than the TAGM 4046 criteria. These samples are all located in the southern portion of the site (i.e. south of Pikes Creek), with the exception of SB-052. Only five of the samples had mercury concentrations that exceed the USEPA RBCs for industrial sites. These samples are located in the northern portion of the site in the general areas of the former Mercury Recovery Facility and the transportation corridors.

3.2.5 Groundwater

The analytical results presented in Table 3-4 indicated detectable concentrations of mercury in all three groundwater samples. The total mercury concentrations ranged from 16.2 to 467 ug/L, and generally averaged about 325 ug/L. The soluble mercury concentrations ranged from non-detect in upgradient well MW-01 to 1.6 ug/L in MW-02 (central portion of site) and to 0.295 in downgradient well MW-06.

With the exception of MW-02, the mercury concentrations in groundwater are less than the TOGS 1.1.1 criteria for Class GA (drinking) water. The concentration of mercury in MW-02 in the area just east of the visible mercury area near the New AST facility, is about twice the TOGS 1.1.1 criteria. Concentrations in the upgradient and downgradient wells are almost identical, which indicates that groundwater at the site is not being impacted. The total mercury concentrations observed in these three groundwater samples are most likely reflective of the suspended sediment in the samples and are not truly indicative of the soluble mercury concentrations in the groundwater. This is supported by the considerably lower mercury concentrations observed in the filtered (i.e. soluble) samples.

As mentioned previously, groundwater flow along the western margin of the site is strongly influenced by the large diameter, unlined, brick sewer tunnel running north-south under 47th Street. This sewer tunnel creates a local groundwater 'sink' that results in the groundwater level in the immediately surrounding areas being depressed significantly. All water which flows into this sewer

TABLE 3-4
GROUNDWATER ANALYTICAL RESULTS
NIACET VCP

Location ID		DW-04	MW-01	MW-01	SB-044/MW-06	SB-044/MW-06
Sample ID		DW-04	MW-01	MW-01F	MW-06	MW-06F
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		06/02/04	06/01/04	06/01/04	06/01/04	06/01/04
Parameter	Units					
Metals						
Mercury	UG/L	1.8	17.4 J	0.332 J	310 J	0.295 J
Miscellaneous Parameters						
pH	S.U.	7.8	NA	NA	NA	NA
Reactive Cyanide	MG/L	0.0030 U	NA	NA	NA	NA
Reactive Sulfide	MG/L	0.57 U	NA	NA	NA	NA

Flags assigned during chemistry validation are shown.

Detection Limits shown are MDL

TABLE 3-4
GROUNDWATER ANALYTICAL RESULTS
NIACET VCP

Location ID		SB-080/MW-02	SB-080/MW-02
Sample ID		MW-02	MW-02F
Matrix		Groundwater	Groundwater
Depth Interval (ft)		-	-
Date Sampled		06/01/04	06/01/04
Parameter	Units		
Metals			
Mercury	UG/L	16.2 J	1.5 J
Miscellaneous Parameters			
pH	S.U.	NA	NA
Reactive Cyanide	MG/L	NA	NA
Reactive Sulfide	MG/L	NA	NA

Flags assigned during chemistry validation are shown.

Detection Limits shown are MDL

Visible Mercury Areas

Visible elemental mercury was previously identified during the initial site investigation in the near surface soils (i.e. upper two feet) throughout the former Mercury Recovery Area, as well as at a depth of approximately two feet in the soils immediately east of the new AST area (i.e. the area not excavated during construction). The size range of the mercury droplets is estimated at less than 2mm in diameter. NIACET personnel also stated that visible elemental mercury was seen at the bedrock surface at the bottom of the new AST pad excavation. Visible mercury was not noted during the soil excavation inasmuch as no one was specifically looking for it. It is possible that the small mercury beads were not noticed during construction, until a large enough mass had collected to be readily visible and recognized. The spoil from the excavation was transported and disposed at the CWM Chemical Services facility in Model City, New York.

Niacet personnel also indicated that visible mercury had been observed in the soils immediately below the floor slab in Building 17 during excavation for a linear floor drain.

No elemental mercury was observed in any of the 10 soil borings drilled during this supplemental investigation around the perimeter of the previously identified 'visible mercury' area in the vicinity of the Former Mercury Recovery Facility. Based on this data, the previously defined limits of the 'visible mercury' area were revised slightly (Figure 3-4). As indicated, the mercury is visible in an area covering approximately 13,500 sf and extends to a depth of about 2 feet.

In the area east of the New AST facility, two of the five samples collected during this supplemental investigation showed mercury concentrations exceeding the USEPA RBCs for industrial sites. However, none of these samples contained visible mercury. Consequently, the limits shown on Figure 3-4 will be left essentially as they are. This is primarily based on the fact that the visible mercury was only observed at depth in this area and does not appear to constitute a serious threat of exposure to onsite workers.

3.2.4 Top of Native Soil

As indicated on Figure 3-7, 22 of the 84 samples collected from the top of the native soil layer have mercury concentrations less than the TAGM 4046 criteria. These samples are all located in the southern portion of the site (i.e. south of Pikes Creek), with the exception of SB-052. Only five of the samples had mercury concentrations that exceed the USEPA RBCs for industrial sites. These samples are located in the northern portion of the site in the general areas of the former Mercury Recovery Facility and the transportation corridors.

3.2.5 Groundwater

The analytical results presented in Table 3-4 indicated detectable concentrations of mercury in all three groundwater samples. The total mercury concentrations ranged from 16.2 to 467 ug/L, and generally averaged about 325 ug/L. The soluble mercury concentrations ranged from non-detect in upgradient well MW-01 to 1.6 ug/L in MW-02 (central portion of site) and to 0.295 in downgradient well MW-06.

With the exception of MW-02, the mercury concentrations in groundwater are less than the TOGS 1.1.1 criteria for Class GA (drinking) water. The concentration of mercury in MW-02 in the area just east of the visible mercury area near the New AST facility, is about twice the TOGS 1.1.1 criteria. Concentrations in the upgradient and downgradient wells are almost identical, which indicates that groundwater at the site is not being impacted. The total mercury concentrations observed in these three groundwater samples are most likely reflective of the suspended sediment in the samples and are not truly indicative of the soluble mercury concentrations in the groundwater. This is supported by the considerably lower mercury concentrations observed in the filtered (i.e. soluble) samples.

As mentioned previously, groundwater flow along the western margin of the site is strongly influenced by the large diameter, unlined, brick sewer tunnel running north-south under 47th Street. This sewer tunnel creates a local groundwater 'sink' that results in the groundwater level in the immediately surrounding areas being depressed significantly. All water which flows into this sewer

tunnel is conveyed to the City of Niagara Falls POTW where it is treated (active carbon beds). This sewer also prevents any lateral migration of groundwater from the site to areas west of the sewer tunnel.

4.0 INTERIM REMEDIAL MEASURE (IRM)

As discussed, elemental mercury was identified in three areas of the site during the initial investigation. Two of these areas, (i.e. in the vicinity of the former mercury recovery facility and east of the New AST facility) were further delineated during this supplemental investigation. The third area, under the floor in Building 17, was not subject to any additional investigation.

The soils under Building 17 are effectively “capped” by the concrete floor of the building, thereby isolating the mercury contamination from any workers in the building. Consequently, no interim remedial measure (IRM) needs to be implemented in this area. Likewise, the elemental mercury in the soils east of the New AST Farm are not exposed at the surface, and do not constitute any immediate threat to workers via dermal contact, ingestion or inhalation. Consequently, no IRM needs to be implemented in this area either.

In the former mercury recovery area, however, the elemental mercury is encountered at, or immediately below, the existing ground surface, to depths of about two feet. The data from the additional borings installed during this supplemental investigation were combined with the data from the previous investigations to provide a more accurate delineation of the area containing visible elemental mercury. Figure 3-7 presents the revised limits of the visible mercury in this area. As indicated, the total area wherein elemental mercury is visible, is about 13,500 square feet. As a temporary measure during the initial site investigation, this area was originally surrounded by snow fencing to prevent access to the impacted area.

In order to be more protective of onsite workers, it is proposed that an IRM be implemented in this area. The IRM will consist of placement of a geotextile fabric over the area containing visible mercury plus an additional 10-foot buffer all around the perimeter. A six-inch thick layer of 2-inch minus stone will be placed over the geotextile to secure it in place and to eliminate any potential contact with the underlying mercury-contaminated soils. The existing temporary fencing will be removed. Concrete parking barriers (tire stops), or equivalent, will be used to delineate the edges of

the 'capped' area and prevent vehicles from driving through this area and potentially damaging the cap.

This IRM may be a temporary or permanent remedial action for this area of the site, depending on the results of the Remedial Alternatives evaluation that still remains to be completed for this site.

5.0 CONCLUSIONS

Based on the results of the initial and supplemental site investigations completed at the site, the following conclusions have been developed:

- A fill layer extends across the whole site. The fill layer is thin (i.e. 2.0 feet) in the northwest corner of the site and gradually thickens to the south – reaching a thickness of 11 feet near Pike's Creek and areas further south. The upper few inches to two feet consists of coarse granular materials (coal, slag, rock, cinder and clinker) with industrial C&D debris. The lower portion consists of reworked silty clay with rock and C&D debris.
- Bedrock is encountered at shallow depths (approximately 2 feet) at the north end of the site and slopes gradually to the south, reaching depths greater than 11 feet.
- Groundwater occurs below the top of bedrock in the northern and western portions of the site. In the remainder of the site, groundwater was observed within the overburden materials. In general groundwater flow is from north to south-southeast in the eastern half of the site. In the western half of the site, flow is to the west and is strongly influenced by the unlined brick sewer tunnel running north-south under 47th Street.
- Mercury concentrations observed in soil/fill materials at the site typically reflect the historical usage areas of the site. Disseminated mercury, at relatively low concentrations, occurs in soil/fill materials throughout the site. The highest observed concentrations occur in the vicinity of the Former Mercury Recovery facility and along the sludge transportation corridors in the north central portions of the site.
- Visible elemental mercury occurs in three areas of the site: under the concrete floor in Building 17, east of the New AST facility and in the vicinity of the former Mercury Recovery Facility. Only the area in the vicinity of the former Mercury Recovery Facility is of immediate concern due to the occurrence of elemental mercury at, or just below the surface, in this area.
- Detectable concentrations of mercury occur in surface soils across the site. Although the concentrations exceed the TAGM 4046 criteria in all but two locations, only seven locations in the northern portion of the site exhibit concentrations that exceed the USEPA RBCs for industrial sites.

- Mercury concentrations in 82 of the 105 subsurface soil/fill materials samples exceeded the TAGM 4046 criteria. Of the 23 samples exhibiting mercury concentration less than the TAGM 4046 criteria, 21 of them are located in the southern portion of the site (i.e. south of Pike's Creek)
- Only 5 samples of the subsurface soils/fill materials south of Pike's Creek and 13 samples north of the Creek had mercury concentrations that exceeded the USEPA RBCs for industrial sites. These soils/fill materials are generally limited to the upper two feet. Below two feet the mercury concentrations are generally less than the USEPA RBCs for residential sites.
- Only three areas (SB-020, -033 and -041) were encountered during drilling wherein stained soils with elevated FID readings were observed. The analytical data for soil samples from these locations indicated several chlorobenzene compounds in SB-020 at concentrations exceeding the TAGM 4046 criteria. Only acetone and benzene were observed in SB-033 and -041, respectively, at concentrations that just slightly exceeded the TAGM 4046 criteria.
- SB-033 exhibited significant off-gassing of VOCs during drilling. These were associated with the presence of isopropylbenzene, Methyl ethyl ketone, methylene chloride and 1,2-dichlorobenzene in the soils/fill.
- Groundwater exhibited detectable concentrations of mercury in the three wells sampled (i.e. MW-01, -02 and -06). The soluble concentrations were below the TOGS 1.1.1 criteria with the exception of MW-02 in the north central portion of the site. In MW-02, the mercury concentration was approximately two times the allowable criteria. Concentrations in the upgradient (MW-01) and downgradient (MW-06) wells were almost identical, indicating that the groundwater at the site is not being impacted by mercury contamination in the soils/fill materials.
- Surface soils offsite to the east and west of the site exhibit detectable concentrations of mercury that exceed the TAGM 4046 criteria. The offsite soils to the west (near the ball park) have been somewhat more impacted than soils to the east. However, none of the samples exceeded the USEPA RBCs for residential use scenarios.

6.0 RECOMMENDATIONS

Based on the results of the site investigations it is recommended that:

- An IRM should be implemented in the vicinity of the former Mercury Recovery Facility to 'cap' surface/subsurface soils/fill containing visible elemental mercury. The IRM would consist of installation of a geotextile fabric covered by a six-inch thick layer of 2-inch minus stone. The intent of the IRM would be to prevent dermal contact, ingestion and/or inhalation of mercury-contaminated soils by workers at the site.
- A Remedial Alternatives Report should be prepared for the site to identify and evaluate potential remedial alternatives that may need to be implemented at the site.

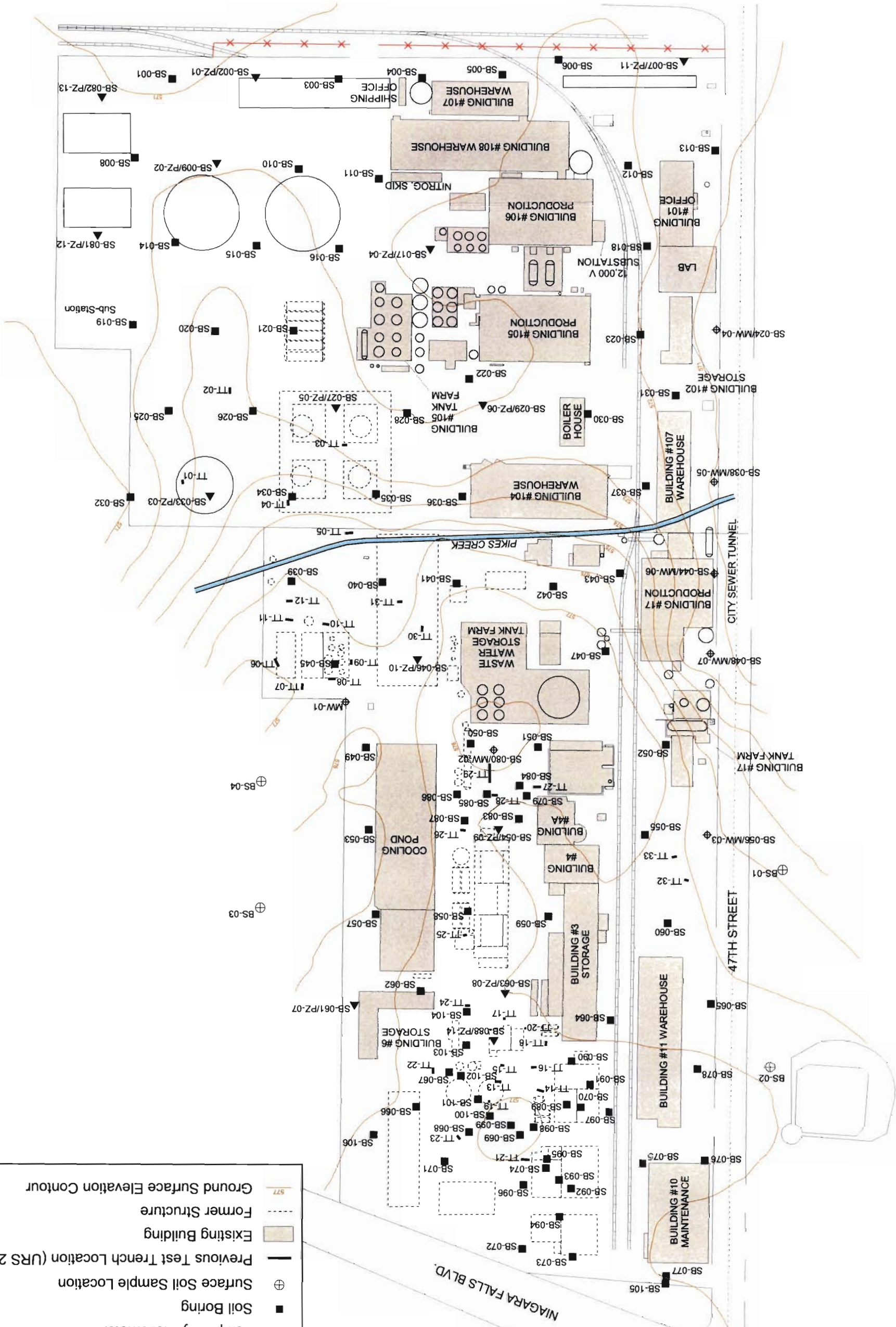


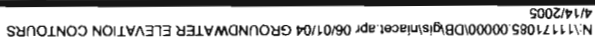
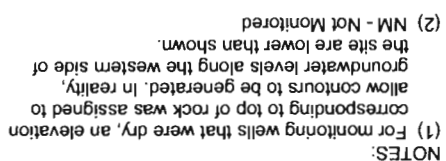
NOTE:
- Contours are based on ground surface
elevations measured at each soil
boring / monitoring well location.

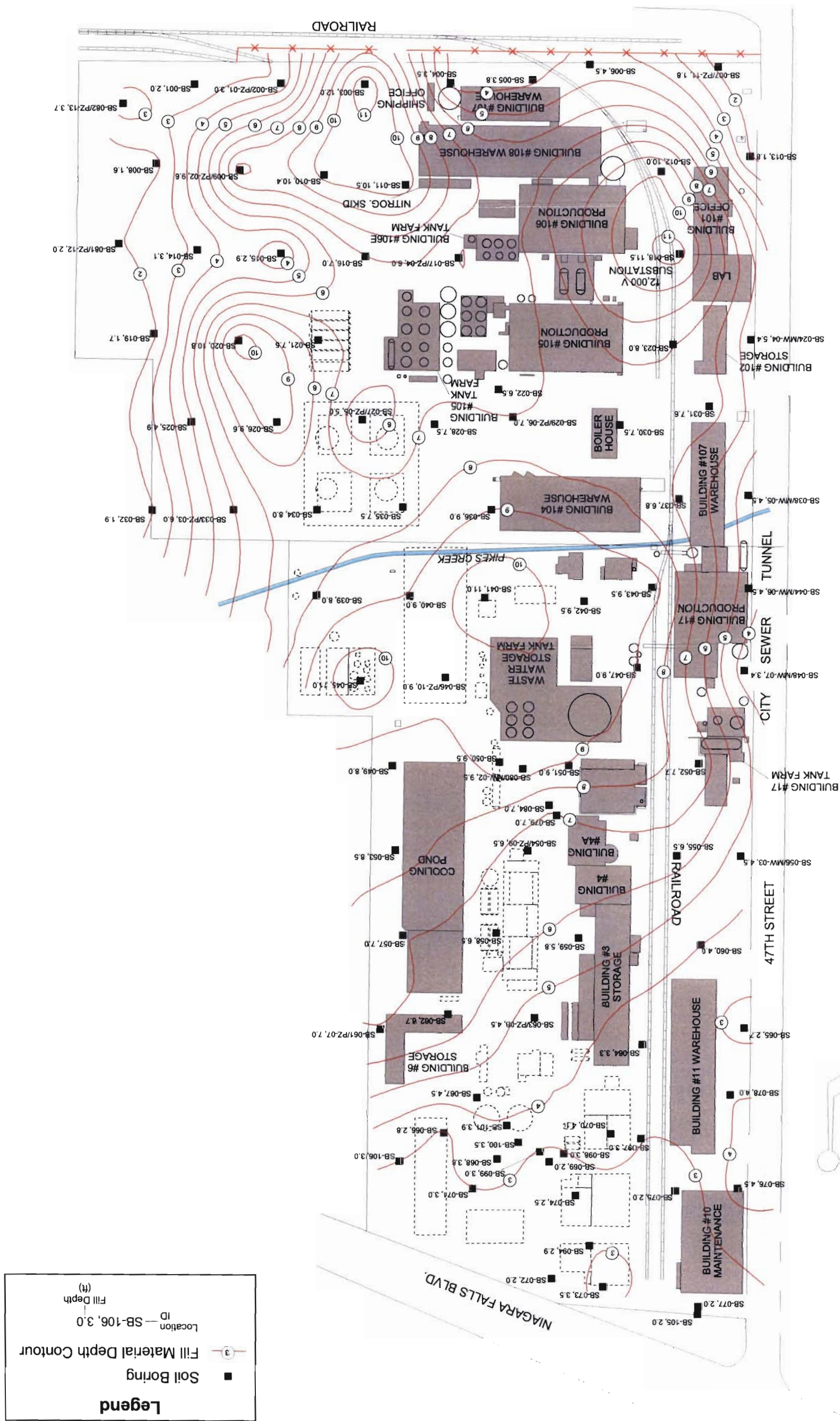


Legend

- Monitoring Well
- Temporary Piezometer
- Soil Boring
- Surface Soil Sample Location
- Previous Test Trench Location (URS 2002)
- Existing Building
- Former Structure
- Ground Surface Elevation Contour

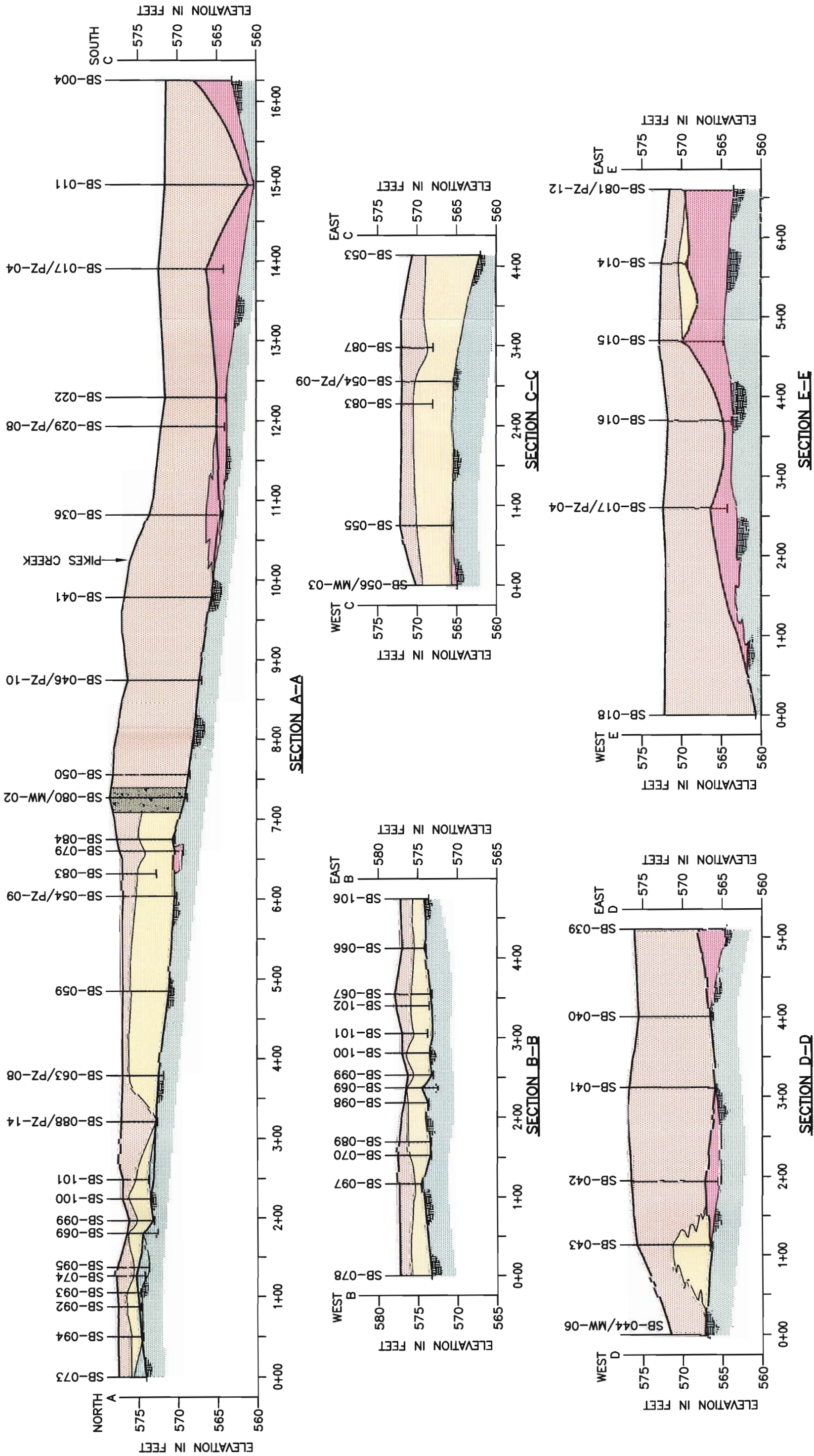




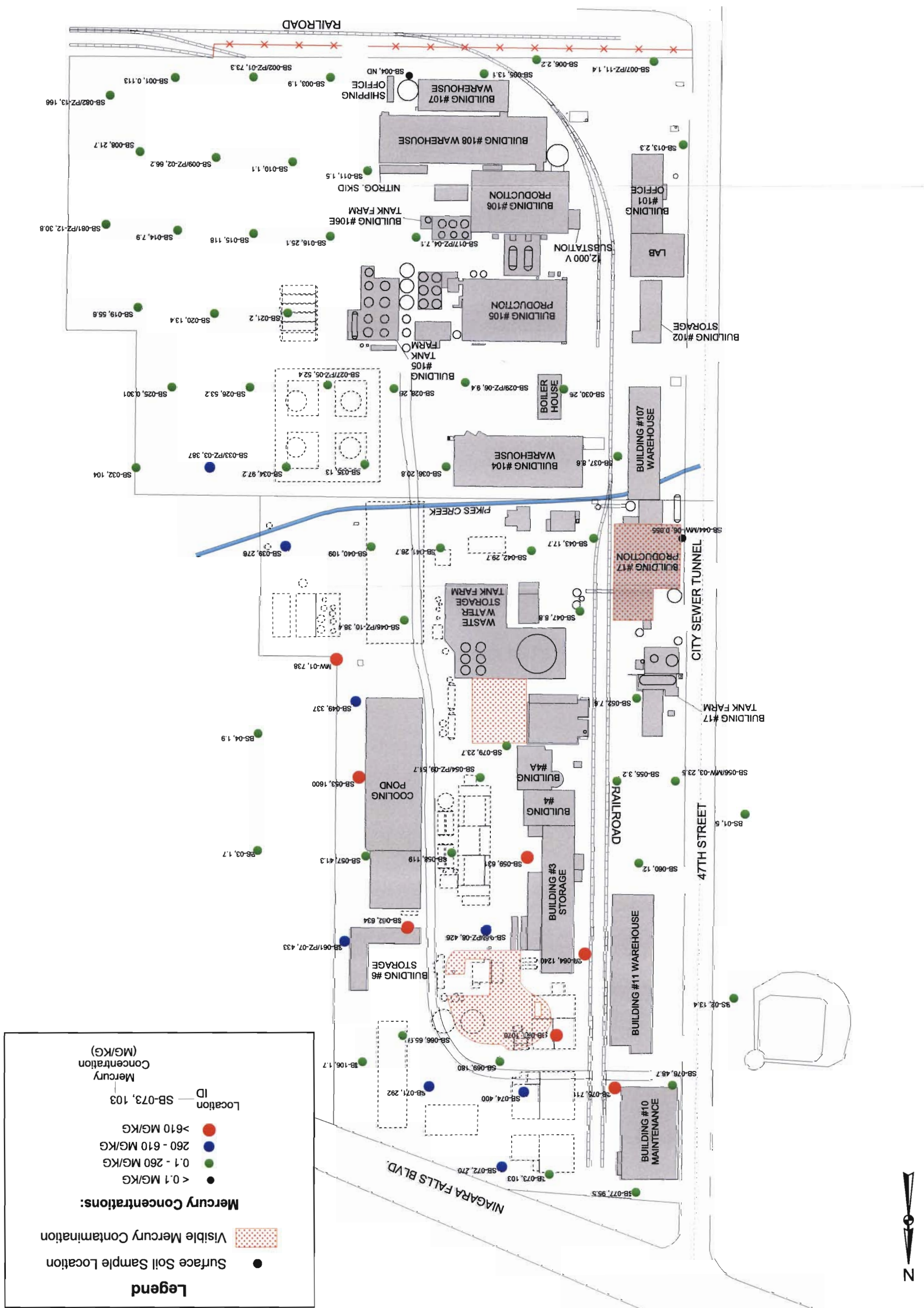






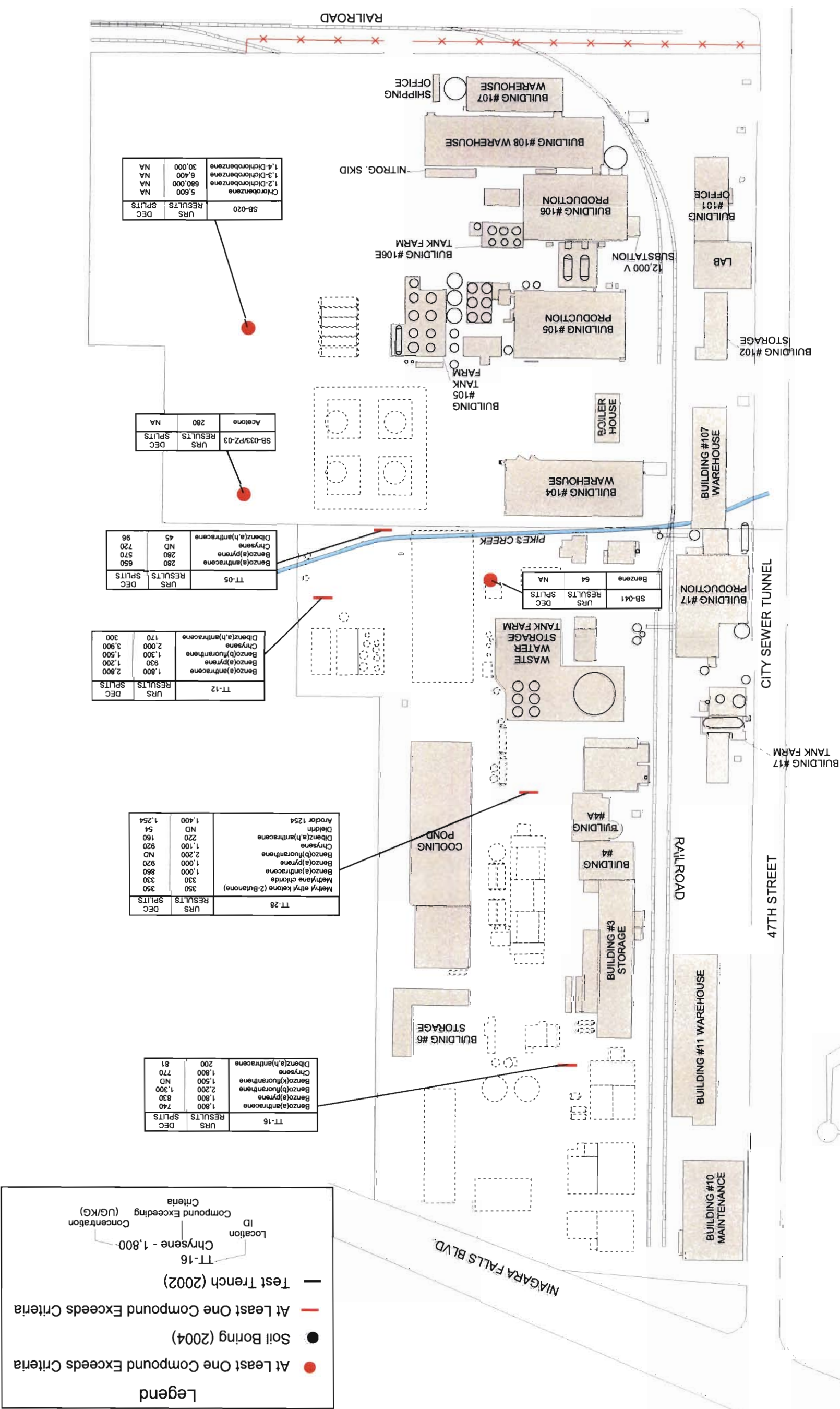


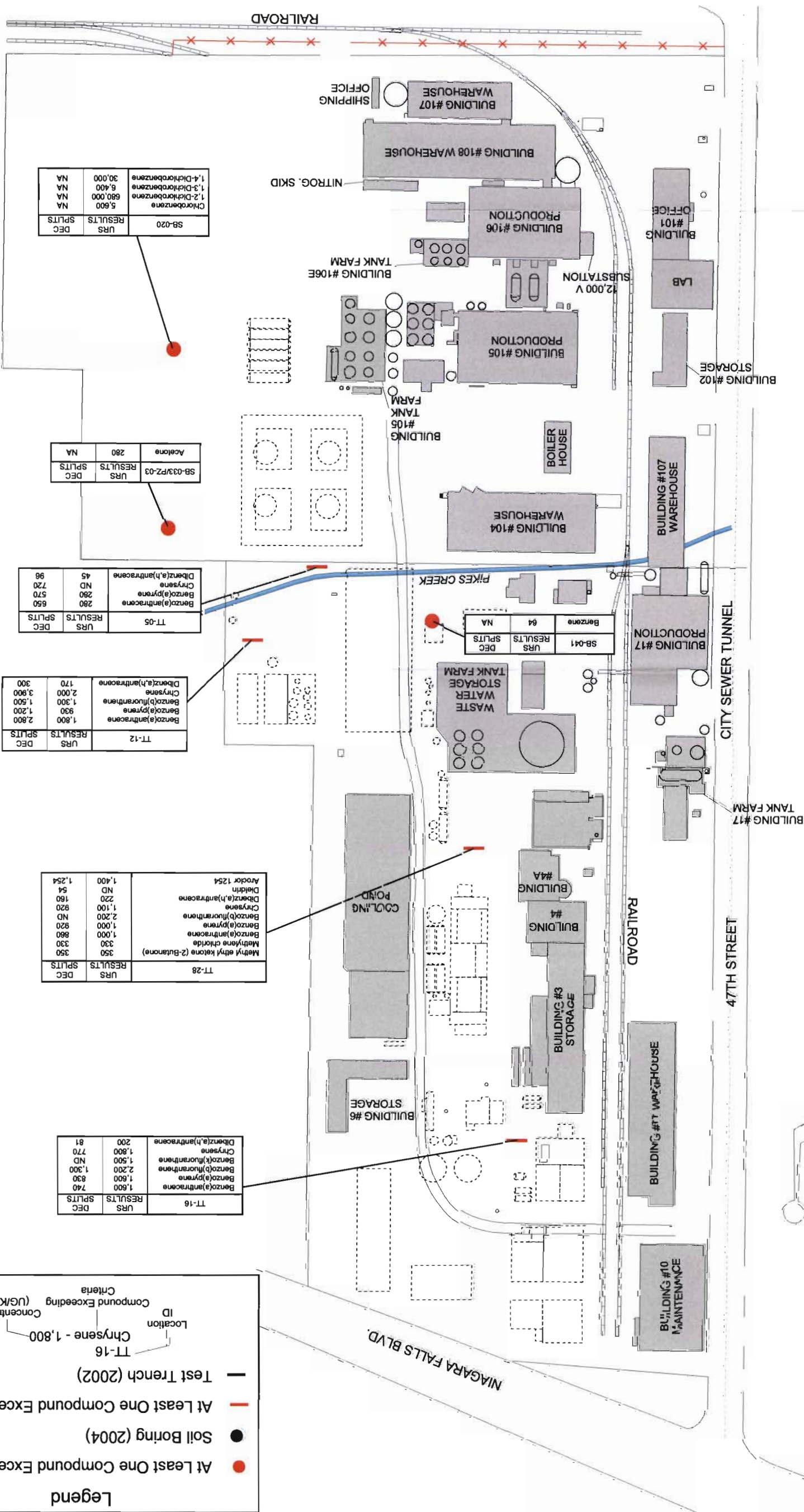




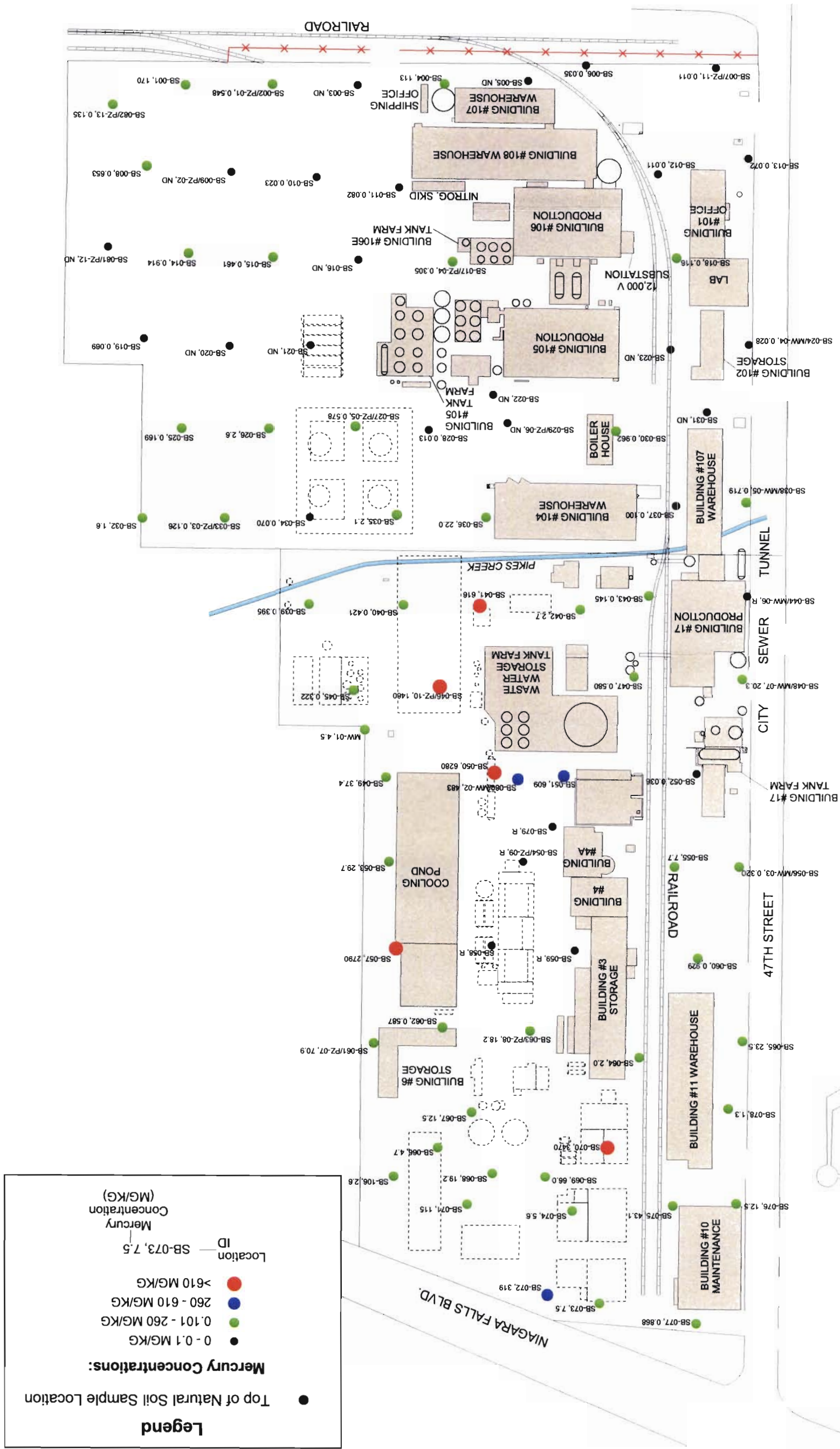








NOTES:
ND - Not Detected
R - Rejected Data



Legend

● Top of Natural Soil Sample Location

Mercury Concentrations:

- 0 - 0.1 MG/KG ●
- 0.101 - 260 MG/KG ●
- 260 - 610 MG/KG ●
- >610 MG/KG ●

Location ID

Mercury Concentration (MG/KG)

SB-073, 7.5



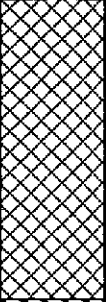


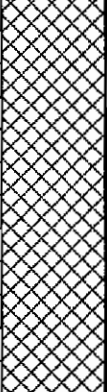
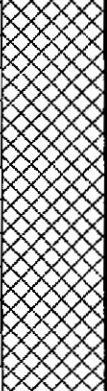
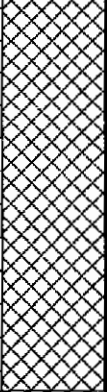
APPENDIX A

BORING LOGS

URS Corporation										TEST BORING LOG	
PROJECT: Niacet VCA										BORING NO: SB-01	
CLIENT: Dow Chemical Corporation										SHEET: 1 of 1	
BORING CONTRACTOR: MARCOR Remediation, Inc.										JOB NO.: 41567053 40000	
GROUNDWATER:										BORING LOCATION:	
					CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:		
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore			DATE STARTED: 05/10/04		
				DIA.		2"			DATE FINISHED: 05/10/04		
				WT.					DRILLER: J. Agar		
				FALL		4'			GEOLOGIST: J. Doerr/R. Murphy		
* POCKET PENETROMETER READING										REVIEWED BY:	
DEPTH FEET	STRATA	NO.	TYPE	RECOVERY %	COLOR	DESCRIPTION		USCS	REMARKS		
						MATERIAL DESCRIPTION			PID/MVA	MOISTURE	
1		1	Macro Core	60%	Black	0 0-2.0: FILL Silty cinders and ash, some fine to coarse angular crushed stone gravel.		ND/ 0.000	Moist		
					Gravel grades downward to coarse sand and fine gravel at 2' mainly brick fragments			Wet			
2											
3											
4					Gray with Yellow	2 0-4 0 SILTY CLAY, massive in appearance, with uniform structure, slightly plastic	CL	ND/ 0.000	Moist		
5						Boring ended at 4' BGS					
6											
7											
8											
9											
10											
11											
12											

COMMENTS: Boring advanced with a Geoprobe 5400 utilizing a 4' x 2" diameter Macro core. Samples collected for laboratory analysis for mercury, 0-2", composite from 2" to top of native and top of native.						PROJECT NO. 41567053.40000
						BORING NO. SB-01

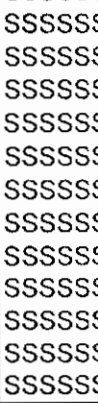
URS Corporation										TEST BORING LOG	
PROJECT: Niacet VCA										BORING NO: SB-02	
CLIENT: Dow Chemical Corporation										SHEET: 1 of 1	
BORING CONTRACTOR: MARCOR Remediation, Inc.										JOB NO.: 41567053 40000	
GROUNDWATER:										BORING LOCATION:	
					CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:		
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore			DATE STARTED: 05/10/04		
				DIA.		2"			DATE FINISHED: 05/10/04		
				WT.					DRILLER: J. Agar		
				FALL		4'			GEOLOGIST: J. Doerr/R. Murphy		
* POCKET PENETROMETER READING										REVIEWED BY:	
DEPTH FEET	SAMPLE					DESCRIPTION			REMARKS		
	STRATA	NO.	TYPE	RECOVERY %	COLOR	MATERIAL DESCRIPTION	USCS	MOISTURE			
								PID/MVA			
1		1	Macro Core	70%	Black	0.0-3.0: FILL; Silty ash and cinders and fine to coarse angular crushed stone gravel. Grades downward to fine to coarse subangular to subrounded gravel, some fine to coarse sand and silt		ND/ 0.000	Moist		
2											
3											
4					Gray	3.0-4.0 SILTY CLAY, some lamination, slightly plastic	CL	ND/ 0.000	Wet		
5						Boring ended at 4.0'					
6						Boring completed as PZ-01					
7											
8											
9											
10											
11											
12											
COMMENTS: Boring advanced with a Geoprobe 5400 utilizing a 4' x 2" diameter										PROJECT NO. 41567053.40000	
Macro core. Samples collected for laboratory analysis for mercury, 0-2", composite										BORING NO. SB-02	
from 2" to top of native and top of native.											

URS Corporation										TEST BORING LOG		
PROJECT: Niacet VCA										BORING NO: SB-03		
CLIENT: Dow Chemical Corporation										SHEET: 1 of 1		
BORING CONTRACTOR: MARCOR Remediation, Inc										JOB NO.: 41567053 40000		
GROUNDWATER:										BORING LOCATION:		
					CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:			
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore			DATE STARTED: 05/12/04			
				DIA.		2"			DATE FINISHED: 05/12/04			
				WT.					DRILLER: J. Agar			
				FALL		4'			GEOLOGIST: J. Doerr/R. Murphy			
* POCKET PENETROMETER READING										REVIEWED BY:		
DEPTH FEET	STRATA	SAMPLE				DESCRIPTION			REMARKS			
		NO.	TYPE	RECOVERY %	COLOR	MATERIAL DESCRIPTION	USCS	PID/MVA	MOISTURE			
1		1	Macro Core	80%	Gray	0.0-1.9: FILL; Silty ash and cinder, fine to coarse angular grave, some fine to coarse sand		ND/ 0.000	Moist			
2					Red	1.9-2.7: FILL; fine to coarse brick gravel, some to coarse brick sand		2.89/ 0.000				
3					Gray with Black	2.7-4.0 FILL, SILT some clay, trace cinder, massive with distorted structure						
4					4.0-8.0: No Recovery	NA						
5		2	Macro Core	0%				NA				
6								NA				
7												
8												
9		3	Macro Core	90%		8.0-12.0: FILL; Silt, massive, distorted structure black veining throughout.		ND/ 0.000				
10									ND/ 0.000			
11												
12					Gray	12.0-SILTY CLAY		CL				

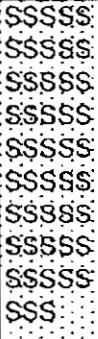
COMMENTS: Boring advanced with a Geoprobe 5400 utilizing a 4' x 2" diameter Macro core. Samples collected for laboratory analysis for mercury, 0-2", composite from 2" to top of native and top of native

PROJECT NO. 41567053.40000

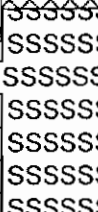
BORING NO. SB-03

URS Corporation										TEST BORING LOG		
PROJECT: Niacet VCA										BORING NO: SB-04		
CLIENT: Dow Chemical Corporation										SHEET: 1 of 1		
BORING CONTRACTOR: MARCOR Remediation, Inc.										JOB NO.: 41567053.40000		
GROUNDWATER:										BORING LOCATION:		
					CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:			
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore			DATE STARTED: 05/12/04			
				DIA.		2"			DATE FINISHED: 05/12/04			
				WT.					DRILLER: J. Agar			
				FALL		4'			GEOLOGIST: J. Doerr/R. Murphy			
* POCKET PENETROMETER READING										REVIEWED BY:		
DEPTH		SAMPLE				DESCRIPTION			REMARKS			
FEET	STRATA	NO.	TYPE	RECOVERY %	COLOR	MATERIAL DESCRIPTION		USCS	PID/MVA	MOISTURE		
1		1	Macro Core	65%	Black/ Gray	0.0-1.5. FILL, Silty, coarse subangular crushed stone gravel, some fine gravel.			ND/ 0.000	Dry		
2						1.5-3.5: FILL, Silt, reworked						
3					Gray-Brown	1.5-3.5. FILL; Silt, reworked						
4					Gray/ Red-Brown Mottle	3.5-8.0. SILT, finely bedded/laminated.						
5		2	Macro Core	50%				ML	ND? 0.000	Moist		
6												
7						7.0-8.0 .SILT, as above, some coarse subangular to angular gravel.						
8												
9						Boring ended at 8' BGS						
10												
11												
12												
COMMENTS: Boring advanced with a Geoprobe 5400 utilizing a 4" x 2" diameter Macro core. Samples collected for laboratory analysis for mercury, 0-2", composite from 2" to top of native and top of native.										PROJECT NO. 41567053.40000		
										BORING NO. SB-04		

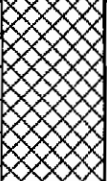
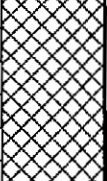
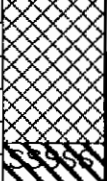
URS Corporation										TEST BORING LOG			
PROJECT: Niacet VCA										BORING NO: SB-05			
CLIENT: Dow Chemical Corporation										SHEET: 1 of 1			
BORING CONTRACTOR: MARCOR Remediation, Inc.										JOB NO.: 41567053.40000			
GROUNDWATER:										BORING LOCATION:			
					CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:				
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore			DATE STARTED: 05/12/04				
				DIA.		2"			DATE FINISHED: 05/12/04				
				WT.					DRILLER: J. Agar				
				FALL		4'			GEOLOGIST: J. Doerr/R. Murphy				
* POCKET PENETROMETER READING										REVIEWED BY:			
DEPTH FEET	SAMPLE					DESCRIPTION			REMARKS				
	STRATA	NO.	TYPE	RECOVERY %	COLOR	MATERIAL DESCRIPTION	USCS	PID/MVA		MOISTURE			
1		1	Macro Core	100%	Black to Gray	0.0-3.8: FILL; Silty, ashy, cinder, interlayered with coarse angular crushed stone gravel, some fine to coarse sand and silt. Layers 4-6" thick from 0.0 to 3.8"		NA/ 0.000		Dry			
2													
3													
4													
					Brown	3.8-4.0: SILTY CLAY	CL			Moist			
5						Boring ended at 4' BGS							
6													
7													
8													
9													
10													
11													
12													
COMMENTS: Boring advanced with a Geoprobe 5400 utilizing a 4' x 2" diameter Macro core. Samples collected for laboratory analysis for mercury, 0-2", composite from 2" to top of native and top of native.										PROJECT NO. 41567053.40000			
										BORING NO. SB-05			

URS Corporation										TEST BORING LOG			
PROJECT: Niacet VCA										BORING NO: SB-06			
CLIENT: Dow Chemical Corporation										SHEET: 1 of 1			
BORING CONTRACTOR: MARCOR Remediation, Inc.										JOB NO.: 41567053.40000			
GROUNDWATER:										BORING LOCATION:			
					CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:				
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore			DATE STARTED: 05/12/04				
				DIA.		2"			DATE FINISHED: 05/12/04				
				WT.					DRILLER: J. Agar				
				FALL		4'			GEOLOGIST: J. Doerr/R. Murphy				
* POCKET PENETROMETER READING										REVIEWED BY:			
DEPTH FEET	SAMPLE					DESCRIPTION			REMARKS				
	STRATA	NO.	TYPE	RECOVERY %	COLOR	MATERIAL DESCRIPTION	USCS	PID/MVA		MOISTURE			
1		1	Macro Core	75%	Brown	0.0-4.5. FILL; Silty clay, some fine to coarse angular crushed stone gravel		ND/ 0.000		Dry ↓ Moist ↓ Wet			
2													
3													
4													
5		2	Macro Core	80%		4.5-8.0. SILTY fine SAND, some clay, trace medium to coarse sand and fine rounded gravel	SP	ND/ 0.000					
6													
7													
8													
9						Boring ended at 8' BGS							
10													
11													
12													

COMMENTS: Boring advanced with a Geoprobe 5400 utilizing a 4' x 2" diameter Macro core Samples collected for laboratory analysis for mercury . 0-2", composite from 2" to top of native and top of native.	PROJECT NO. 41567053.40000
	BORING NO. SB-06

URS Corporation										TEST BORING LOG			
PROJECT: Niacet VCA										BORING NO: SB-07			
CLIENT: Dow Chemical Corporation										SHEET: 1 of 1			
BORING CONTRACTOR: MARCOR Remediation, Inc.										JOB NO.: 41567053.40000			
GROUNDWATER:										BORING LOCATION:			
CAS. SAMPLER CORE TUBE										GROUND ELEVATION:			
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore				DATE STARTED: 05/12/04			
				DIA.		2"				DATE FINISHED: 05/12/04			
				WT.						DRILLER: J. Agar			
				FALL		4'				GEOLOGIST: J. Doerr/R. Murphy			
* POCKET PENETROMETER READING										REVIEWED BY:			
SAMPLE						DESCRIPTION				REMARKS			
DEPTH FEET	STRATA	NO.	TYPE	RECOVERY %	COLOR	MATERIAL DESCRIPTION			USCS	PID/MVA MOISTURE			
1		1	Macro Core	75%	Brown	0.0-1.8' FILL; C&D rubble, brick, some fine to coarse sand				ND/ 0.000	Moist		
2							1.8-8.0' SILT, some clay, fining downward into SILTY CLAY with several fine sand beds Note: sand beds are water bearing			ML	ND/ 0.000		
3													
4													
5		2	Macro Core	80%						ND/ 0.000			
6									CL	ND/ 0.000			
7													
8													
9						Boring ended at 8' BGS Note: boring completed as PZ-11							
10													
11													
12													
COMMENTS: Boring advanced with a Geoprobe 5400 utilizing a 4' x 2" diameter Macro core Samples collected for laboratory analysis for mercury, 0-2", composite from 2" to top of native and top of native.										PROJECT NO. 41567053.40000			
										BORING NO. SB-07			

URS Corporation										TEST BORING LOG		
PROJECT: Niacet VCA										BORING NO: SB-08		
CLIENT: Dow Chemical Corporation										SHEET: 1 of 1		
BORING CONTRACTOR: MARCOR Remediation, Inc.										JOB NO.: 41567053.40000		
GROUNDWATER:										BORING LOCATION:		
					CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:			
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore			DATE STARTED: 05/11/04			
				DIA.		2"			DATE FINISHED: 05/11/04			
				WT.					DRILLER: J. Agar			
				FALL		4'			GEOLOGIST: J. Doerr/R. Murphy			
* POCKET PENETROMETER READING										REVIEWED BY:		
DEPTH FEET	SAMPLE					DESCRIPTION			REMARKS			
	STRATA	NO.	TYPE	RECOVERY %	COLOR	MATERIAL DESCRIPTION	USCS	PIG/MVA		MOISTURE		
1		1	Macro Core	65%	Brown	0.0-0.4: FILL; Silty clay and fine rounded gravel 0.4-1.6: FILL; Silt and fine to coarse sand, some fine rounded to subrounded gravel	CL	ND/ 0.000	Moist			
2					Dark Brown	1.6-2.1: Loamy SILTY CLAY, some roots and organic detritus, buried soil horizon						
3					Brown	2.1-4.0: SILTY CLAY, trace fine to coarse angular to sub angular gravel						
4												
5						Boring ended at 4' BGS						
6												
7												
8												
9												
10												
11												
12												
COMMENTS: Boring advanced with a Geoprobe 5400 utilizing a 4' x 2" diameter Macro core. Samples collected for laboratory analysis for mercury, 0-2", composite from 2" to top of native and top of native.										PROJECT NO. 41567053.40000		
										BORING NO. SB-08		

URS Corporation										TEST BORING LOG		
PROJECT: Niacet VCA										BORING NO: SB-09		
CLIENT: Dow Chemical Corporation										SHEET: 1 of 1		
BORING CONTRACTOR: MARCOR Remediation, Inc.										JOB NO.: 41567053.40000		
GROUNDWATER:										BORING LOCATION:		
					CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:			
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore			DATE STARTED: 05/11/04			
				DIA.		2"			DATE FINISHED: 05/11/04			
				WT.					DRILLER: J. Agar			
				FALL		4'			GEOLOGIST: J. Doerr/R. Murphy			
* POCKET PENETROMETER READING										REVIEWED BY:		
DEPTH FEET	STRATA	SAMPLE				DESCRIPTION			REMARKS			
		NO.	TYPE	RECOVERY %	COLOR	MATERIAL DESCRIPTION	USCS	PID/MVA	MOISTURE			
1		1	Macro Core	80%	Dark Brown /Black/ Brown	0 0-0.9: FILL: Silty clay and fine to coarse angular crushed stone gravel, some brick		ND/ 0.013	Moist			
2					0.9-5.4: FILL, Silty clay, some fine to coarse sand and fine to coarse angular crushed stone gravel	ND/ 0.005						
3												
4					Black	Black staining below 3.6'		ND/ 0.005				
5		2	Macro Core	100%		5.4-9.6: FILL: Silt, some clay ash and cinder slit has massive, distorted structure		ND/ 0.005				
6								ND/ 0.005				
7												
8												
9		3	Macro Core	100%			CL	ND/ 0.005				
10					Red- Brown	9.6-12.0: SILTY CLAY, some water bearing fine SAND beds, <1" thick, trace fine to coarse angular to subangular gravel Note Sand beds are water bearing		ND/ 0.000				
11												
12						Boring ended at 12'BGS Boring completed as PZ-02						

COMMENTS Boring advanced with a Geoprobe 5400 utilizing a 4' x 2" diameter Macro core. Samples collected for laboratory analysis for mercury, 0-2", composite from 2" to top of native and top of native.

PROJECT NO. 41567053.40000

BORING NO. SB-09

URS Corporation										TEST BORING LOG		
PROJECT: Niacet VCA										BORING NO: SB-10		
CLIENT: Dow Chemical Corporation										SHEET: 1 of 1		
BORING CONTRACTOR: MARCOR Remediation, Inc.										JOB NO.: 41567053.40000		
GROUNDWATER:										BORING LOCATION:		
					CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:			
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore			DATE STARTED: 05/12/04			
				DIA.		2"			DATE FINISHED: 05/12/04			
				WT.					DRILLER: J. Agar			
				FALL		4'			GEOLOGIST: J. Doerr/R. Murphy			
* POCKET PENETROMETER READING										REVIEWED BY:		
DEPTH FEET	SAMPLE					DESCRIPTION			REMARKS			
	STRATA	NO.	TYPE	RECOVERY %	COLOR	MATERIAL DESCRIPTION	USCS	PID/MVA		MOISTURE		
1	[Cross-hatched pattern]	1	Macro Core	75%	Gray	0.0-2.6: FILL, Heterogeneous mix of clay, silt, fine to coarse sand and fine to coarse angular crushed stone gravel, some ash and cinder		ND/0.005	Dry			
2												
3												
4	[Cross-hatched pattern]	2	Macro Core	90%	Gray with Black Stain	2.6-10.4: FILL: Silt, some clay, trace fine angular gravel and cinder. Distorted structure		ND/0.004	Moist			
5												
6												
7	[Cross-hatched pattern]	3	Macro Core	75%	Gray with Black Stain	Root cast at 7.5'		ND/0.017				
8												
9												
10	[Cross-hatched pattern]	3	Macro Core	75%	Gray with Black Stain			ND/0.010				
11												
12												
11	[Diagonal hatched pattern]				Red-Brown	10.4-12.0: SILTY CLAY, some coarse angular gravel	CL	ND/0.009				
12												
12	[Diagonal hatched pattern]				Red-Brown	Boring ended at 12' BGS		ND/0.000				

COMMENTS: Boring advanced with a Geoprobe 5400 utilizing a 4" x 2" diameter Macro core. Samples collected for laboratory analysis for mercury, 0-2", composite from 2" to top of native and top of native.							PROJECT NO. 41567053.40000		
							BORING NO. SB-10		

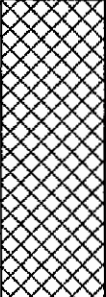
URS Corporation										TEST BORING LOG		
PROJECT: Niacet VCA										BORING NO: SB-11		
CLIENT: Dow Chemical Corporation										SHEET: 1 of 1		
BORING CONTRACTOR: MARCOR Remediation, Inc.										JOB NO.: 41567053.40000		
GROUNDWATER:										BORING LOCATION:		
					CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:			
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore			DATE STARTED: 05/13/04			
				DIA.		2"			DATE FINISHED: 05/13/04			
				WT.					DRILLER: J. Agar			
				FALL		4'			GEOLOGIST: J. Doerr/R. Murphy			
* POCKET PENETROMETER READING										REVIEWED BY:		
DEPTH FEET	STRATA	SAMPLE				DESCRIPTION			USCS	REMARKS		
		NO.	TYPE	RECOVERY %	COLOR	MATERIAL DESCRIPTION	PID/MVA	MOISTURE				
1		1	Macro Core	40%	Gray	0 0-8.0: FILL; Silt to silty clay and fine to coarse angular crushed stone gravel, some fine to coarse sand			ND/ 0.005	Dry ↓ Moist		
2												
3												
4												
5		2	Macro Core	20%					ND/ 0.017			
6												
7												
8												
9		3	Macro Core	65%	Red-Brown Mottle	8.0-10.5: FILL; Silt, distorted structure, massive			ND/ 0.009			
10												
11												
12												
						10.5-11.0: SILTY CLAY and f-c ang. gravel		CL	ND/ 0.000			
						Refusal on bedrock at 11' BGS						

COMMENTS: Boring advanced with a Geoprobe 5400 utilizing a 4' x 2" diameter Macro core. Samples collected for laboratory analysis for mercury, 0-2", composite from 2" to top of native and top of native							PROJECT NO. 41567053.40000
							BORING NO. SB-11

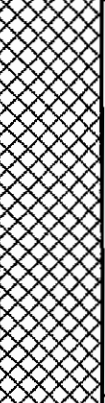
URS Corporation										TEST BORING LOG		
PROJECT: Niacet VCA										BORING NO: SB-12		
CLIENT: Dow Chemical Corporation										SHEET: 1 of 1		
BORING CONTRACTOR: MARCOR Remediation, Inc.										JOB NO.: 41567053.40000		
GROUNDWATER:										BORING LOCATION:		
					CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:			
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore			DATE STARTED: 05/24/04			
				DIA.		2"			DATE FINISHED: 05/24/04			
				WT.					DRILLER: J Agar			
				FALL		4'			GEOLOGIST: J. Doerr/R. Murphy			
* POCKET PENETROMETER READING										REVIEWED BY:		
DEPTH FEET	STRATA	SAMPLE				DESCRIPTION			REMARKS			
		NO.	TYPE	RECOVERY %	COLOR	MATERIAL DESCRIPTION	USCS	PID/MVA	MOISTURE			
					Black	0.0-0.3. Asphalt		ND/ 0.000	Dry			
1		1	Macro Core	40%	Brown	0.3-1.2: FILL; Fine to coarse sand ash and cinder						
					1.2-10.0' FILL; Silt, some clay and fine to coarse angular gravel. Silt has distorted structure							
2												
3												
4		2	Macro Core	5%	Yellow			ND/ 0.000	Moist			
5	Brown											
6												
7												
8		3	Macro Core	60%				NA				
9												
10												
11												
						Silt grading into Till, becoming sandy, some gravel		ND/ 0.000				
					Brown	10.0-11.0: SILTY CLAY, some fine to coarse sand and fine to coarse angular gravel	CL	ND/ 0.000				
						Refusal at 11' on bedrock						
12												

COMMENTS: Boring advanced with a Geoprobe 5400 utilizing a 4' x 2" diameter						PROJECT NO. 41567053.40000	
Macro core Samples collected for laboratory analysis for mercury, 0-2", composite from 2" to top of native and top of native.						BORING NO. SB-12	

URS Corporation										TEST BORING LOG			
PROJECT: Niacet VCA										BORING NO: SB-08			
CLIENT: Dow Chemical Corporation										SHEET: 1 of 1			
BORING CONTRACTOR: MARCOR Remediation, Inc.										JOB NO.: 41567053.40000			
GROUNDWATER:										BORING LOCATION:			
					CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:				
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore			DATE STARTED: 05/13/04				
				DIA.		2"			DATE FINISHED: 05/13/04				
				WT.					DRILLER: J. Agar				
				FALL		4'			GEOLOGIST: J Doerr/R. Murphy				
* POCKET PENETROMETER READING										REVIEWED BY:			
DEPTH FEET	SAMPLE					DESCRIPTION			REMARKS				
	STRATA	NO.	TYPE	RECOVERY %	COLOR	MATERIAL DESCRIPTION	USCS	PID/MVA		MOISTURE			
1		1	Macro Core	75%	Dark Brown	0.0-0.9: FILL: Silty loam topsoil, some roots and organic detritus	ML	ND/ 0.000	ND/ 0.000	Moist ↓			
Brown					0.9-1.8: FILL: Silty clay, trace fine to coarse angular gravel								
2					1.8-4.0 SILT, some fine sand to silty sand								
3													
4													
5						Boring ended at 4' BGS							
6													
7													
8													
9													
10													
11													
12													
COMMENTS: Boring advanced with a Geoprobe 5400 utilizing a 4' x 2" diameter										PROJECT NO. 41567053.40000			
Macro core. Samples collected for laboratory analysis for mercury, 0-2", composite										BORING NO. SB-13			
from 2" to top of native and top of native													

URS Corporation										TEST BORING LOG		
PROJECT: Niacet VCA										BORING NO: SB-14		
CLIENT: Dow Chemical Corporation										SHEET: 1 of 1		
BORING CONTRACTOR: MARCOR Remediation, Inc.										JOB NO.: 41567053.40000		
GROUNDWATER:										BORING LOCATION:		
					CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:			
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore			DATE STARTED: 05/11/04			
				DIA.		2"			DATE FINISHED: 05/11/04			
				WT.					DRILLER: J. Agar			
				FALL		4'			GEOLOGIST: J. Doerr/R. Murphy			
* POCKET PENETROMETER READING										REVIEWED BY:		
DEPTH FEET	SAMPLE					DESCRIPTION			REMARKS			
	STRATA	NO.	TYPE	RECOVERY %	COLOR	MATERIAL DESCRIPTION		USCS	PID/MVA	MOISTURE		
1		1	Macro Core	70%	Yellow Brown	0.0-1.7 FILL: Silt, some clay and fine to coarse angular gravel			ND/ 0.000	Moist ↓		
2					Dark Gray	1.7-2.3 FILL: Silt, ash and cinder, some fine angular gravel						
3					Dark Brown	2 3-3 1. FILL: Silt, some clay, roots and organic detritus						
4									Brown	3.1-4.0 SILTY CLAY, trace fine to coarse angular gravel		CL
5						Boring ended at 4' BGS						
6												
7												
8												
9												
10												
11												
12												

COMMENTS: Boring advanced with a Geoprobe 5400 utilizing a 4' x 2" diameter Macro core Samples collected for laboratory analysis for mercury, 0-2", composite from 2" to top of native and top of native.								PROJECT NO. 41567053.40000	
								BORING NO. SB-14	

URS Corporation										TEST BORING LOG			
PROJECT: Niacet VCA										BORING NO: SB-15			
CLIENT: Dow Chemical Corporation										SHEET: 1 of 1			
BORING CONTRACTOR: MARCOR Remediation, Inc.										JOB NO.: 41567053.40000			
GROUNDWATER:										BORING LOCATION:			
CAS. SAMPLER CORE TUBE										GROUND ELEVATION:			
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore				DATE STARTED: 05/11/04			
				DIA.		2"				DATE FINISHED: 05/11/04			
				WT.						DRILLER: J. Agar			
				FALL		4'				GEOLOGIST: J. Doerr/R. Murphy			
* POCKET PENETROMETER READING										REVIEWED BY:			
DEPTH		SAMPLE					DESCRIPTION			REMARKS			
FEET	STRATA	NO.	TYPE	RECOVERY %	COLOR	MATERIAL DESCRIPTION			USCS	PID/MVA	MOISTURE		
1		1	Macro Core	90%	Black	0.0-0.9: FILL; Fine to coarse angular gravel, coal, some fine to coarse sand and silt				ND/ 0.000	Moist		
2					Brown	0.9-1.6: FILL; Silty clay, f-c gravel							
3					Dark Gray	1.6-2.1: FILL; Fine to coarse sand, and fine gravel, brick, coal, cinder							
4					Yellow Brown	2.1-2.9: FILL, silty clay, some fine to coarse angular gravel							
5		2	Macro Core	100%	Dark Brown/ Yellow	2.9-4.2: Silty Loam, some fine to coarse sand, roots and organic detritus, former soil horizon			CL to	ND/ 0.000			
6					Brown	4.2-8.0: SILTY CLAY, grades downward to Silt, some clay at 8.0"							
7													
8													
9						End boring at 8'BGS							
10													
11													
12													

COMMENTS: Boring advanced with a Geoprobe 5400 utilizing a 4' x 2" diameter Macro core. Samples collected for laboratory analysis for mercury, 0-2", composite from 2" to top of native and top of native.

PROJECT NO. 41567053.40000

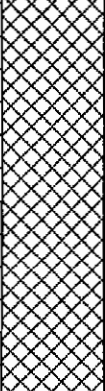
BORING NO. SB-15

URS Corporation										TEST BORING LOG		
PROJECT: Niacet VCA										BORING NO: SB-16		
CLIENT: Dow Chemical Corporation										SHEET: 1 of 1		
BORING CONTRACTOR: MARCOR Remediation, Inc.										JOB NO.: 41567053.40000		
GROUNDWATER:										BORING LOCATION:		
DATE	TIME	LEVEL	TYPE	TYPE	CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:			
				DIA.		Macrocore			DATE STARTED: 05/17/04			
				WT.		2"			DATE FINISHED: 05/17/04			
				FALL		4'			DRILLER: J. Agar			
* POCKET PENETROMETER READING										GEOLOGIST: J. Doerr/R. Murphy		
										REVIEWED BY:		
DEPTH FEET	STRATA	SAMPLE			DESCRIPTION				REMARKS			
		NO.	TYPE	RECOVERY %	COLOR	MATERIAL DESCRIPTION	USCS	PID/MVA	MOISTURE			
1		1	Macro Core	100%	Gray	0.0-1.9: FILL; Fine to coarse sand and fine to coarse angular crushed stone gravel, trace brick		ND/ 0.000	Moist			
2						1.9-7.0: FILL; Silt, massive, distorted structure.						
3												
4												
5		2	Macro Core	95%	with		ML	5.93 0.000				
6												
7												
8												
9					Brown Mottle	7 0-8.0: SILT, some clay finely bedded to well laminated (<0.01'), desiccation crack filling		2.76 0.000				
10					End boring at 8'BGS							
11												
12												

COMMENTS: Boring advanced with a Geoprobe 5400 utilizing a 4' x 2" diameter Macro core. Samples collected for laboratory analysis for mercury, 0-2", composite from 2" to top of native and top of native.						PROJECT NO. 41567053.40000	
						BORING NO. SB-16	

URS Corporation										TEST BORING LOG		
PROJECT: Niacet VCA										BORING NO: SB-17		
CLIENT: Dow Chemical Corporation										SHEET: 1 of 1		
BORING CONTRACTOR: MARCOR Remediation, Inc.										JOB NO.: 41567053.40000		
GROUNDWATER:										BORING LOCATION:		
					CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:			
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore			DATE STARTED: 05/11/04			
				DIA.		2"			DATE FINISHED: 05/11/04			
				WT.					DRILLER: J. Agar			
				FALL		4'			GEOLOGIST: J. Doerr/R. Murphy			
* POCKET PENETROMETER READING										REVIEWED BY:		
DEPTH FEET	SAMPLE					DESCRIPTION			REMARKS			
	STRATA	NO.	TYPE	RECOVERY %	COLOR	MATERIAL DESCRIPTION			USCS	PID/MVA	MOISTURE	
1		1	Macro Core	95%	Gray	0.0-1.6: FILL; Fine to coarse sand and fine to coarse angular crushed stone gravel, some silt				ND/ 0.000	Moist	
2					Black	1.6-1.9: FILL; ash and cinder 1.9-2.1: FILL; Silty ash and cinder						
3					Gray	2.1-6.0: Silt, some clay, massive, distorted structure						
4		2	Macro Core	95%		↓				50.73 0.021		
5												
6												
7												
8												
9	SSSSSS					6.0-8.0: SILT, some clay, well bedded to finely laminated <0.01' thick			ML	8.75 0.008		
10												
11												
12												
12						End boring at 8'BGS Boring completed as PZ-06						

COMMENTS: Boring advanced with a Geoprobe 5400 utilizing a 4' x 2" diameter										PROJECT NO. 41567053.40000		
Macro core. Samples collected for laboratory analysis for mercury, 0-2", composite from 2" to top of native and top of native.										BORING NO. SB-17		

URS Corporation										TEST BORING LOG			
PROJECT: Niacet VCA										BORING NO: SB-18			
CLIENT: Dow Chemical Corporation										SHEET: 1 of 1			
BORING CONTRACTOR: MARCOR Remediation, Inc.										JOB NO.: 41567053.40000			
GROUNDWATER:										BORING LOCATION:			
					CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:				
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore			DATE STARTED: 05/24/04				
				DIA.		2"			DATE FINISHED: 05/24/04				
				WT.					DRILLER: J. Agar				
				FALL		4'			GEOLOGIST: J Doerr/R. Murphy				
* POCKET PENETROMETER READING										REVIEWED BY:			
DEPTH FEET	SAMPLE					DESCRIPTION			REMARKS				
	STRATA	NO.	TYPE	RECOVERY %	COLOR	MATERIAL DESCRIPTION	USCS	PID/MVA	MOISTURE				
		1	Macro Core	100%	Black	0.0-0.3: Asphalt		ND/ 0.000	Moist				
1					Brown	0.3-1.6: FILL: Fine to coarse sand, some silt and fine angular gravel.							
2						1.6-4.9: FILL: Silty clay, some fine to coarse angular gravel, trace cinder and ash							
3													
4		2	Macro Core	90%				ND/ 0.000					
5													
6						4.9-11.5: FILL: Silt, some clay, massive distorted structure, some black irregular staining							
7													
8		3	Macro Core	80%				ND/ 0.000					
9													
10													
11													
12					Gray	11.5-11.8: Weathered dolomite	V.Br						
						11.8: Bedrock							
COMMENTS: Boring advanced with a Geoprobe 5400 utilizing a 4' x 2" diameter Macro core. Samples collected for laboratory analysis for mercury, 0-2", composite from 2" to top of native and top of native.										PROJECT NO. 41567053.40000			
										BORING NO. SB-18			

URS Corporation										TEST BORING LOG		
PROJECT: Niacet VCA										BORING NO: SB-19		
CLIENT: Dow Chemical Corporation										SHEET: 1 of 1		
BORING CONTRACTOR: MARCOR Remediation, Inc.										JOB NO.: 41567053 40000		
GROUNDWATER:										BORING LOCATION:		
CAS.						SAMPLER		CORE		TUBE		
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore				GROUND ELEVATION:		
				DIA.		2"				DATE STARTED: 05/11/04		
				WT.						DATE FINISHED: 05/11/04		
				FALL		4'				DRILLER: J. Agar		
* POCKET PENETROMETER READING										GEOLOGIST: J. Doerr/R. Murphy		
										REVIEWED BY:		
DEPTH FEET	SAMPLE					DESCRIPTION			REMARKS			
	STRATA	NO.	TYPE	RECOVERY %	COLOR	MATERIAL DESCRIPTION		USCS	PID/MVA	MOISTURE		
1		1	Macro Core	80%	Dark Gray/ Green	0.0-1.7: FILL; Silty fine to coarse sand, some fine subrounded gravel, trace coarse subangular gravel		ML	ND/ 0.030	Moist ↓		
2					Brown	1.7-2.1: SILT, some roots and organic detritus						
3					2.1-4.0: SILT, some clay, bedded/laminated							
4												
5						Boring ended at 4.0'						
6						Boring completed as PZ-01						
7												
8												
9												
10												
11												
12												
COMMENTS: Boring advanced with a Geoprobe 5400 utilizing a 4' x 2" diameter Macro core. Samples collected for laboratory analysis for mercury, 0-2", composite from 2" to top of native and top of native.										PROJECT NO. 41567053.40000		
										BORING NO. SB-19		

URS Corporation										TEST BORING LOG		
PROJECT: Niacet VCA										BORING NO: SB-20		
CLIENT: Dow Chemical Corporation										SHEET: 1 of 1		
BORING CONTRACTOR: MARCOR Remediation, Inc.										JOB NO.: 41567053 40000		
GROUNDWATER:										BORING LOCATION:		
					CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:			
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore			DATE STARTED: 05/11/04			
				DIA.		2"			DATE FINISHED: 05/11/04			
				WT.					DRILLER: J. Agar			
				FALL		4'			GEOLOGIST: J. Doerr/R. Murphy			
* POCKET PENETROMETER READING										REVIEWED BY:		
DEPTH FEET	STRATA	SAMPLE				DESCRIPTION			REMARKS			
		NO.	TYPE	RECOVERY %	COLOR	MATERIAL DESCRIPTION	USCS	PID/MVA	MOISTURE			
1		1	Macro Core	60%	Gray- Brown	0.0-3.5' FILL; Silty clay, ash, cinder clinker, coal, some fine to coarse angular gravel		1.100		Moist		
2												
3												
4												
5		2	Macro Core	70%	Yellow Brown	5.2-6.9' FILL, Silty clay, some fine to coarse angular gravel		8.56		Very Moist		
6												
7												
8		3	Macro Core	100%	Black	6.9-10.8' FILL; Silt, some clay, massive, distorted structure, stained		5.24		Moist		
9												
10												
11												
12					Red- Brown	10.8-11.8' SILTY CLAY, some fine to coarse sand and fine to coarse angular gravel (Till)	CL	ND/ 0.000				

COMMENTS: Boring advanced with a Geoprobe 5400 utilizing a 4' x 2" diameter										PROJECT NO. 41567053.40000		
Macro core. Samples collected for laboratory analysis for mercury, 0-2", composite										BORING NO. SB-20		
from 2" to top of native and top of native.												

URS Corporation										TEST BORING LOG		
PROJECT: Niacet VCA										BORING NO: SB-21		
CLIENT: Dow Chemical Corporation										SHEET: 1 of 1		
BORING CONTRACTOR: MARCOR Remediation, Inc.										JOB NO.: 41567053.40000		
GROUNDWATER:										BORING LOCATION:		
CAS. SAMPLER CORE TUBE										GROUND ELEVATION:		
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore				DATE STARTED:	05/11/04	
				DIA.		2"				DATE FINISHED:	05/11/04	
				WT.						DRILLER:	J. Agar	
				FALL		4'				GEOLOGIST:	J. Doerr/R. Murphy	
* POCKET PENETROMETER READING										REVIEWED BY:		
SAMPLE						DESCRIPTION			REMARKS			
DEPTH FEET	STRATA	NO.	TYPE	RECOVERY %	COLOR	MATERIAL DESCRIPTION	USCS	PID/MVA	MOISTURE			
1		1	Macro Core	90%	Black/ Gray	0 0-1 7 FILL; Heterogeneous mix of clay, silt, fine to coarse sand and fine to coarse angular gravel, stained		ND/ 0.005	Moist			
2					1 7-7 5 FILL; SILT, some concrete	182.00 0.000						
3												
4					Gray	Stain fades with increase in depth		22.00 0.000				
5		2	Macro Core	95%								
6								6.30 0.000				
7												
8					Brown	7.5-8.0. SILTY CLAY, some f-c ang. gravel		CL				
9						End boring at 8'BGS						
10												
11												
12												
COMMENTS: Boring advanced with a Geoprobe 5400 utilizing a 4' x 2" diameter Macro core. Samples collected for laboratory analysis for mercury, 0-2", composite from 2" to top of native and top of native.										PROJECT NO. 41567053.40000		
										BORING NO. SB-21		

URS Corporation										TEST BORING LOG		
PROJECT: Niacet VCA										BORING NO: SB-22		
CLIENT: Dow Chemical Corporation										SHEET: 1 of 1		
BORING CONTRACTOR: MARCOR Remediation, Inc.										JOB NO.: 41567053.40000		
GROUNDWATER:										BORING LOCATION:		
					CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:			
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore			DATE STARTED: 05/13/04			
				DIA.		2"			DATE FINISHED: 05/13/04			
				WT.					DRILLER: J. Agar			
				FALL		4'			GEOLOGIST: J. Doerr/R. Murphy			
* POCKET PENETROMETER READING										REVIEWED BY:		
DEPTH FEET	SAMPLE					DESCRIPTION			REMARKS			
	STRATA	NO.	TYPE	RECOVERY %	COLOR	MATERIAL DESCRIPTION	USCS	PID/MVA		MOISTURE		
					Gray	0.0-0.5: Concrete		476.00		Moist		
1						0.5-1.0: Subbase; Fine to coarse sand and fine to coarse angular crushed stone gravel		NA				
2		1	Macro Core	45%	Black	1.0-1.4 FILL; ash, cinder and clinker						
3						1.4-6.5. FILL; Silt, some clay, massive, distorted structure						
4						Stained to 4'		176.00				
5								NA				
6		2	Macro Core	100%	Gray-Green			5.66				
7	SSSSSS SSSSSS SS							0.000				
8					Red Brown	6.5-7.5 SILT and fine rounded to subangular gravel (Till)	ML	3.00				
9								0.006				
10												
11												
12						Refusal on bedrock at 7.5' BGS						
COMMENTS: Boring advanced with a Geoprobe 5400 utilizing a 4" x 2" diameter										PROJECT NO. 41567053.40000		
Macro core. Samples collected for laboratory analysis for mercury, 0-2", composite										BORING NO. SB-22		
from 2" to top of native and top of native												

URS Corporation

TEST BORING LOG

PROJECT: Niacet VCA

BORING NO: SB-23

CLIENT: Dow Chemical Corporation

SHEET: 1 of 1

BORING CONTRACTOR: MARCOR Remediation, Inc.

JOB NO.: 41567053.40000

GROUNDWATER:

BORING LOCATION:

CAS. SAMPLER CORE TUBE

GROUND ELEVATION:

DATE	TIME	LEVEL	TYPE	TYPE		Macrocore		
				DIA.		2"		
				WT.				
				FALL		4'		

DATE STARTED: 05/24/04

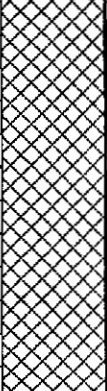
DATE FINISHED: 05/24/04

DRILLER: J. Agar

GEOLOGIST: J. Doerr/R. Murphy

* POCKET PENETROMETER READING

REVIEWED BY:

DEPTH FEET	SAMPLE					DESCRIPTION		REMARKS	
	STRATA	NO.	TYPE	RECOVERY %	COLOR	MATERIAL DESCRIPTION	USCS	PID/MVA	MOISTURE
1		1	Macro Core	40%	Black	0.0-1.4' FILL; Fine to coarse sand, ash and cinder		ND/ 0.000	Moist
2					Red- Brown	1.4-3.9' FILL; Silty clay, some cinder and fine to coarse angular gravel		ND/ 0.000	
3									
4									
5		2	Macro Core	100%	Gray	3.9-4.3' FILL Loamy silt, some roots and organics 4.3-7.8' FILL, Silt, some clay. Massive, distorted structure		ND/ 0.006	
6									
7									
8									
9		3	Macro Core	100%	Red- Brown	7.8-8.0' FILL; Silty clay some fine to coarse gravel 8.0-9.0' SILTY CLAY, some fine angular gravel	CL		
10									
11									
12									
						Refusal on bedrock at 9' BGS			

COMMENTS: Boring advanced with a Geoprobe 5400 utilizing a 4' x 2" diameter

PROJECT NO. 41567053.40000

Macro core Samples collected for laboratory analysis for mercury, 0-2", composite from 2" to top of native and top of native.

BORING NO. SB-23

URS Corporation										TEST BORING LOG			
PROJECT: Niacet VCA										BORING NO: SB-24			
CLIENT: Dow Chemical Corporation										SHEET: 1 of 1			
BORING CONTRACTOR: MARCOR Remediation, Inc.										JOB NO.: 41567053.40000			
GROUNDWATER:										BORING LOCATION:			
					CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:				
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore			DATE STARTED: 05/25/04				
				DIA.		2"			DATE FINISHED: 05/25/04				
				WT.					DRILLER: J. Agar				
				FALL		4'			GEOLOGIST: J. Doerr/R. Murphy				
* POCKET PENETROMETER READING										REVIEWED BY:			
DEPTH FEET	STRATA	NO.	SAMPLE			DESCRIPTION			USCS	REMARKS			
			TYPE	RECOVERY %	COLOR	MATERIAL DESCRIPTION	PID/MVA	MOISTURE					
1		1	Macro Core	50%	Black	0.0-0.3: Asphalt				ND/ 0.000	Moist ↓		
Brown					0.3-1.4. FILL; Fine to coarse sand and fine to coarse angular crushed stone gravel. some silt and clay								
					1.4-5.4. FILL; Silt and silty clay, some fine sand and fine subrounded gravel								
2		1	Macro Core	50%						ND/ 0.000			
3													
4													
5													
6		2	Macro Core	75%	Red-Brown	5.4-6.7. SILTY CLAY, some fine to coarse angular gravel			CL	ND/ 0.000			
7					6.7-7.0: Weathered bedrock			V.Br					
8					Refusal on bedrock at 7' BGS Boring completed as MW-04								
9													
10													
11													
12													
COMMENTS: Boring advanced with a Geoprobe 5400 utilizing a 4' x 2" diameter Macro core. Samples collected for laboratory analysis for mercury, 0-2", composite from 2" to top of native and top of native.										PROJECT NO. 41567053.40000			
										BORING NO. SB-24			

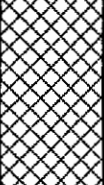
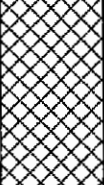
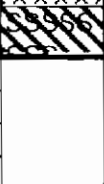
URS Corporation										TEST BORING LOG		
PROJECT: Niacet VCA										BORING NO: SB-25		
CLIENT: Dow Chemical Corporation										SHEET: 1 of 1		
BORING CONTRACTOR: MARCOR Remediation, Inc.										JOB NO.: 41567053.40000		
GROUNDWATER:										BORING LOCATION:		
					CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:			
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore			DATE STARTED: 05/11/04			
				DIA.		2"			DATE FINISHED: 05/11/04			
				WT.					DRILLER: J. Agar			
				FALL		4'			GEOLOGIST: J. Doerr/R. Murphy			
* POCKET PENETROMETER READING										REVIEWED BY:		
DEPTH		SAMPLE					DESCRIPTION		REMARKS			
FEET	STRATA	NO.	TYPE	RECOVERY %	COLOR	MATERIAL DESCRIPTION	USCS	PID/MVA	MOISTURE			
		1	Macro Core	80%	Brown	0.0-0.4' FILL; Silty fine to coarse angular gravel		ND/ 0.000	Moist			
					Blue	0.4-0.6' FILL; Silty angular coarse gravel						
1					Orange	0.6-1.6' FILL; Silty clay, some ash, cinder, brick						
		1	Macro Core	80%	Red-	1.6-1.8' FILL; fine to coarse sand and f-c gravel		ND/ 0.003				
2					Brown	1.8-4.9' FILL; FILL; Silty clay, trace cinder and glass						
3												
4												
5		2	Macro Core	80%	Gray	4.9-8.0' SILTY CLAY, some fine to coarse angular gravel	CL	ND/ 0.004				
6												
7												
8								ND/ 0.003				
9						End boring at 8' BGS						
10												
11												
12												

COMMENTS: Boring advanced with a Geoprobe 5400 utilizing a 4' x 2" diameter Macro core. Samples collected for laboratory analysis for mercury, 0-2", composite from 2" to top of native and top of native.							PROJECT NO. 41567053.40000	
							BORING NO. SB-25	

URS Corporation										TEST BORING LOG		
PROJECT: Niacet VCA										BORING NO: SB-26		
CLIENT: Dow Chemical Corporation										SHEET: 1 of 1		
BORING CONTRACTOR: MARCOR Remediation, Inc.										JOB NO.: 41567053.40000		
GROUNDWATER:										BORING LOCATION:		
					CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:			
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore			DATE STARTED: 05/11/04			
				DIA.		2"			DATE FINISHED: 05/11/04			
				WT.					DRILLER: J. Agar			
				FALL		4'			GEOLOGIST: J. Doerr/R. Murphy			
* POCKET PENETROMETER READING										REVIEWED BY:		
DEPTH FEET	STRATA	SAMPLE				DESCRIPTION			REMARKS			
		NO.	TYPE	RECOVERY %	COLOR	MATERIAL DESCRIPTION	USCS	PID/MVA	MOISTURE			
1		1	Macro Core	85%	Gray/ Black/ Orange/ Yellow	0.0-7.7: FILL: A heterogeneous mix of silt, coal, ash, brick cinder, and clinker		ND/ 0.000	Moist			
2												
3												
4												
5		2	Macro Core	20%		7.7-9.6: FILL, Silt some clay and fine to coarse angular gravel		ND/ 0.006				
6												
7												
8												
9		3	Macro Core	80%		9.6-10.5: SILTY CLAY, trace coarse angular gravel	CL	ND/ 0.000				
10												
11												
12												
						Refusal on bedrock at 10.5' BGS						

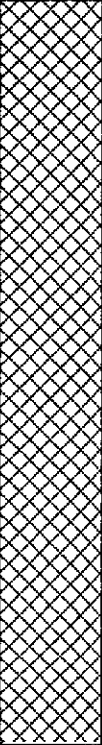
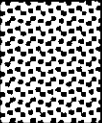
COMMENTS: Boring advanced with a Geoprobe 5400 utilizing a 4' x 2" diameter Macro core. Samples collected for laboratory analysis for mercury, 0-2", composite from 2" to top of native and top of native.	PROJECT NO. 41567053.40000
	BORING NO. SB-26

URS Corporation										TEST BORING LOG		
PROJECT: Niacet VCA										BORING NO: SB-27		
CLIENT: Dow Chemical Corporation										SHEET: 1 of 1		
BORING CONTRACTOR: MARCOR Remediation, Inc.										JOB NO.: 41567053.40000		
GROUNDWATER:										BORING LOCATION:		
					CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:			
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore			DATE STARTED: 05/12/04			
				DIA.		2"			DATE FINISHED: 05/12/04			
				WT.					DRILLER: J Agar			
				FALL		4'			GEOLOGIST: J. Doerr/R. Murphy			
* POCKET PENETROMETER READING										REVIEWED BY:		
DEPTH FEET	SAMPLE					DESCRIPTION			REMARKS			
	STRATA	NO.	TYPE	RECOVERY %	COLOR	MATERIAL DESCRIPTION	USCS	PID/MVA		MOISTURE		
1		1	Macro Core	80%	Dark Brown ↓	0.0-3.0: FILL: Silty fine to coarse sand and fine to coarse angular crushed stone gravel		ND/ 0.000		Dry		
2												
3												
4												
5		2	Macro Core	80%	Gray with yellow mottle ↓	3.0-5.0: FILL; Fine to coarse sand and fine to coarse angular gravel, some ash, cinder and slag	CL	ND/ 0.000		Moist ↓ Wet ↓ Moist ↓		
6												
7												
8												
9						End boring at 8' BGS Boring completed as PZ-05						
10												
11												
12												
COMMENTS: Boring advanced with a Geoprobe 5400 utilizing a 4' x 2" diameter										PROJECT NO. 41567053.40000		
Macro core Samples collected for laboratory analysis for mercury, 0-2", composite from 2" to top of native and top of native.										BORING NO. SB-27		

URS Corporation										TEST BORING LOG		
PROJECT: Niacet VCA										BORING NO: SB-28		
CLIENT: Dow Chemical Corporation										SHEET: 1 of 1		
BORING CONTRACTOR: MARCOR Remediation, Inc.										JOB NO.: 41567053.40000		
GROUNDWATER:										BORING LOCATION:		
					CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:			
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore			DATE STARTED: 05/13/04			
				DIA.		2"			DATE FINISHED: 05/13/04			
				WT.					DRILLER: J. Agar			
				FALL		4'			GEOLOGIST: J. Doerr/R. Murphy			
* POCKET PENETROMETER READING										REVIEWED BY:		
DEPTH FEET	STRATA	SAMPLE				DESCRIPTION			REMARKS			
		NO.	TYPE	RECOVERY %	COLOR	MATERIAL DESCRIPTION	USCS	PID/MVA	MOISTURE			
1		1	Macro Core	70%	Gray	0.0-2.2: Subbase: Fine to coarse sand and fine to coarse angular crushed stone gravel.		80.56	Moist			
					0.000							
2												
3												
4		2	Macro Core	100%	Black	2.2-7.5: FILL; Silt, some clay, massive, distorted structure, heavily stained		51.26				
					0.000							
5												
6												
7								214.00				
								0.000				
8								4.05				
								0.000				
9												
10												
11												
12												
11												
12												
COMMENTS: Boring advanced with a Geoprobe 5400 utilizing a 4' x 2" diameter Macro core. Samples collected for laboratory analysis for mercury, 0-2", composite from 2" to top of native and top of native.										PROJECT NO. 41567053.40000		
										BORING NO. SB-28		

URS Corporation										TEST BORING LOG		
PROJECT: Niacet VCA										BORING NO: SB-29		
CLIENT: Dow Chemical Corporation										SHEET: 1 of 1		
BORING CONTRACTOR: MARCOR Remediation, Inc.										JOB NO.: 41567053.40000		
GROUNDWATER:										BORING LOCATION:		
					CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:			
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore			DATE STARTED: 05/13/04			
				DIA.		2"			DATE FINISHED: 05/13/04			
				WT.					DRILLER: J. Agar			
				FALL		4'			GEOLOGIST: J. Doerr/R. Murphy			
* POCKET PENETROMETER READING										REVIEWED BY:		
DEPTH FEET	STRATA	SAMPLE				DESCRIPTION			REMARKS			
		NO.	TYPE	RECOVERY %	COLOR	MATERIAL DESCRIPTION	USCS	PID/MVA	MOISTURE			
1		1	Macro Core	80%	Brown	0.0-4.0: FILL; A heterogeneous mix of silt, fine to coarse sand, fine to coarse angular gravel, with some clay		ND/ 0.000	Moist			
2					Gray					57.53 0.000		
3												
4												
5		2	Macro Core	95%	Black	4.0-7.0: FILL, Silt, some clay, massive, with distorted structure, heavily stained at top and decreasing with depth		56.93 0.000				
6					Gray					0.44 0.000		
7												
8					Red- Brown					7.0-8.0: SILTY CLAY, some fine to coarse sand and fine to coarse subangular to subrounded gravel	CL	
9						End boring at 8' BGS						
10												
11												
12												

COMMENTS: Boring advanced with a Geoprobe 5400 utilizing a 4' x 2" diameter Macro core. Samples collected for laboratory analysis for mercury, 0-2", composite from 2" to top of native and top of native.	PROJECT NO. 41567053.40000
	BORING NO. SB-29

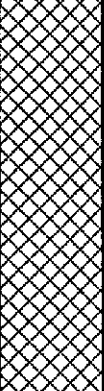
URS Corporation										TEST BORING LOG	
PROJECT: Niacet VCA										BORING NO: SB-30	
CLIENT: Dow Chemical Corporation										SHEET: 1 of 1	
BORING CONTRACTOR: MARCOR Remediation, Inc.										JOB NO.: 41567053.40000	
GROUNDWATER:										BORING LOCATION:	
					CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:		
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore			DATE STARTED: 05/11/04		
				DIA.		2"			DATE FINISHED: 05/11/04		
				WT.					DRILLER: J. Agar		
				FALL		4'			GEOLOGIST: J. Doerr/R. Murphy		
* POCKET PENETROMETER READING										REVIEWED BY:	
DEPTH FEET	SAMPLE					DESCRIPTION			REMARKS		
	STRATA	NO.	TYPE	RECOVERY %	COLOR	MATERIAL DESCRIPTION	USCS	MOISTURE			
								PID/MVA			
1		1	Macro Core	25%	Gray- Brown	0.0-7.5: FILL; Fine to coarse angular gravel, some silt and clay, trace brick and slag. Note poor recovery 0-8'		ND/ 0.000	Moist		
2											
3											
4											
5		2	Macro Core	10%	Dark Gray	7.5-8.8: Fine to coarse weathered dolomite gravel, some fine to coarse dolomitic sand	GW	4.00 0.000			
6											
7											
8											
9		3	Macro Core	100% (0.8' of 0.8')		Refusal at 8.8' BGS					
10											
11											
12											

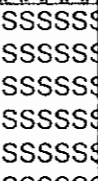
COMMENTS: Boring advanced with a Geoprobe 5400 utilizing a 4' x 2" diameter Macro core. Samples collected for laboratory analysis for mercury, 0-2", composite from 2" to top of native and top of native.							PROJECT NO. 41567053.40000	
							BORING NO. SB-30	

URS Corporation										TEST BORING LOG		
PROJECT: Niacet VCA										BORING NO: SB-31		
CLIENT: Dow Chemical Corporation										SHEET: 1 of 1		
BORING CONTRACTOR: MARCOR Remediation, Inc.										JOB NO.: 41567053.40000		
GROUNDWATER:										BORING LOCATION:		
					CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:			
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore			DATE STARTED: 05/24/04			
				DIA.		2"			DATE FINISHED: 05/24/04			
				WT.					DRILLER: J. Agar			
				FALL		4'			GEOLOGIST: J. Doerr/R. Murphy			
* POCKET PENETROMETER READING										REVIEWED BY:		
DEPTH FEET	STRATA	NO.	TYPE	RECOVERY %	COLOR	DESCRIPTION		USCS	REMARKS			
						MATERIAL DESCRIPTION	PID/MVA		MOISTURE			
					Black	0.0-0.3: Asphalt over concrete		68.80	Moist			
1					Gray	0.3-0.9: Subbase: Fine to coarse sand and fine to coarse angular crushed stone gravel		0.000				
2		1	Macro Core	60%	Black	0.9-3.7: FILL; Cinder, ash, slag and clinker		20.30				
3								0.000				
4					Gray	3.7-4.2: FILL; Silty clay, some cinder, slag, and fine to coarse angular gravel		11.30				
5						4.2-7.6: FILL; Silt, some clay, massive, distorted structure		0.000				
6		2	Macro Core	100%				8.80				
7								0.000				
8					Red-Brown	7.6-8.0: SILTY CLAY, some fine gravel, laminated	CL					
						End boring at 8' BGS						
9												
10												
11												
12												

COMMENTS: Boring advanced with a Geoprobe 5400 utilizing a 4' x 2" diameter Macro core. Samples collected for laboratory analysis for mercury, 0-2", composite from 2" to top of native and top of native.							PROJECT NO. 41567053.40000
							BORING NO. SB-31

URS Corporation										TEST BORING LOG		
PROJECT: Niacet VCA										BORING NO: SB-32		
CLIENT: Dow Chemical Corporation										SHEET: 1 of 1		
BORING CONTRACTOR: MARCOR Remediation, Inc.										JOB NO.: 41567053.40000		
GROUNDWATER:										BORING LOCATION:		
					CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:			
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore			DATE STARTED: 05/13/04			
				DIA.		2"			DATE FINISHED: 05/13/04			
				WT.					DRILLER: J. Agar			
				FALL		4'			GEOLOGIST: J. Doerr/R. Murphy			
* POCKET PENETROMETER READING										REVIEWED BY:		
DEPTH FEET	SAMPLE					DESCRIPTION			REMARKS			
	STRATA	NO.	TYPE	RECOVERY %	COLOR	MATERIAL DESCRIPTION	USCS	PID/MVA	MOISTURE			
1		1	Macro Core	95%	Dark Brown	0.0-1.9: FILL; Silt, coal, slag, and coarse angular gravel		ND/ 0.000	Very Moist			
2					Yellow	1.9-2.3: Loamy silty, some roots, organic detritus	ML	ND/ 0.006	Moist			
3					Gray	2.3-4.0: SILTY CLAY, some fine to coarse angular gravel	CL					
4												
5						Boring ended at 4' BGS						
6												
7												
8												
9												
10												
11												
12												
COMMENTS: Boring advanced with a Geoprobe 5400 utilizing a 4' x 2" diameter Macro core. Samples collected for laboratory analysis for mercury, 0-2" composite from 2" to top of native and top of native.										PROJECT NO. 41567053.40000		
										BORING NO. SB-32		

URS Corporation										TEST BORING LOG		
PROJECT: Niacet VCA										BORING NO: SB-33		
CLIENT: Dow Chemical Corporation										SHEET: 1 of 1		
BORING CONTRACTOR: MARCOR Remediation, Inc.										JOB NO.: 41567053.40000		
GROUNDWATER:										BORING LOCATION:		
					CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:			
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore			DATE STARTED: 05/14/04			
				DIA.		2"			DATE FINISHED: 05/14/04			
				WT.					DRILLER: J. Agar			
				FALL		4'			GEOLOGIST: J. Doerr/R. Murphy			
* POCKET PENETROMETER READING										REVIEWED BY:		
DEPTH FEET	STRATA	SAMPLE				DESCRIPTION			USCS	REMARKS		
		NO.	TYPE	RECOVERY %	COLOR	MATERIAL DESCRIPTION		PID/MVA		MOISTURE		
1		1	Macro Core	75%	Red/	0.0-0.6 FILL; Silt, ash, and cinder, some slag and fine to coarse angular gravel			17.76	Moist		
Brown/												
2					Black/						0.6-2.1.. FILL; Silty clay, some concrete, brick, and fine to coarse angular gravel	
Gray												
3		1	Macro Core	75%	Dark	2.1-5.2 FILL; Silty clay, some fine to coarse angular gravel, slag, and concrete			30.30	0.000		
Gray												
4					Gray						5.2-6.0: FILL, Degraded concrete	
5												Black
6	Gray	7.0-8.0: SILTY CLAY, some fine to coarse angular gravel	CL	339.00	0.006	Wet						
7							Gray	7.0-8.0: SILTY CLAY, some fine to coarse angular gravel				
8	Gray	7.0-8.0: SILTY CLAY, some fine to coarse angular gravel										
9												
10												
11												
12												
End boring at 8' BGS Boring completed as PZ-03 FID readings at the borehole reached 153,000 ppm Readings taken from Macrocore were taken after the borehole was allowed to vent												
COMMENTS: Boring advanced with a Geoprobe 5400 utilizing a 4" x 2" diameter Macro core. Samples collected for laboratory analysis for mercury, 0-2", composite from 2" to top of native and top of native.										PROJECT NO. 41567053.40000		
										BORING NO. SB-33		

URS Corporation										TEST BORING LOG		
PROJECT: Niacet VCA										BORING NO: SB-34		
CLIENT: Dow Chemical Corporation										SHEET: 1 of 1		
BORING CONTRACTOR: MARCOR Remediation, Inc.										JOB NO.: 41567053.40000		
GROUNDWATER:										BORING LOCATION:		
					CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:			
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore			DATE STARTED: 05/14/04			
				DIA.		2"			DATE FINISHED: 05/14/04			
				WT.					DRILLER: J. Agar			
				FALL		4'			GEOLOGIST: J. Doerr/R. Murphy			
* POCKET PENETROMETER READING										REVIEWED BY:		
DEPTH FEET	STRATA	SAMPLE				DESCRIPTION			REMARKS			
		NO.	TYPE	RECOVERY %	COLOR	MATERIAL DESCRIPTION	USCS	PID/MVA	MOISTURE			
1		1	Macro Core	90%	Brown	0.0-2.3 FILL; Silt, some clay, concrete, brick, ash, cinder, and slag		0.34 0.000	Moist			
2												
3												
4					Red-Brown	2.3-4.4 FILL; Silty clay, some fine to coarse angular gravel		0.32 0.000				
5		2	Macro Core	75%	Gray	4.4-5.7 FILL; Silty clay, silt, fine to coarse sand and fine to coarse angular gravel		0.42 0.000				
6												
7												
8						5.7-8.0 FILL, Silty clay, massive		0.52 0.005				
9		3	Macro Core	60%	Red-Brown	8.0-10.0 SILT, some clay, Well bedded to laminated, beds <0.01' thick	ML	0.360 0.000				
10												
11						10.0-10.2 SILTY CLAY, some f.c sand and f.c gravel						
12						Refusal on bedrock at 10.2' BGS						

COMMENTS: Boring advanced with a Geoprobe 5400 utilizing a 4" x 2" diameter										PROJECT NO. 41567053.40000		
Macro core. Samples collected for laboratory analysis for mercury, 0-2", composite from 2" to top of native and top of native										BORING NO. SB-34		

URS Corporation										TEST BORING LOG		
PROJECT: Niacet VCA										BORING NO: SB-35		
CLIENT: Dow Chemical Corporation										SHEET: 1 of 1		
BORING CONTRACTOR: MARCOR Remediation, Inc.										JOB NO.: 41567053.40000		
GROUNDWATER:										BORING LOCATION:		
					CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:			
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore			DATE STARTED: 05/20/04			
				DIA.		2"			DATE FINISHED: 05/20/04			
				WT.					DRILLER: J. Agar			
				FALL		4'			GEOLOGIST: J. Doerr/R. Murphy			
* POCKET PENETROMETER READING										REVIEWED BY:		
DEPTH		SAMPLE					DESCRIPTION		REMARKS			
FEET	STRATA	NO.	TYPE	RECOVERY %	COLOR	MATERIAL DESCRIPTION		USCS	PID/MVA	MOISTURE		
1		1	Macro Core	50%	Brown	0 0-1 0: FILL; Silty clay, some fine to coarse sand and fine to coarse angular crushed stone gravel			ND/ 0.017	Moist		
2					Red	1 0-2 0: FILL, Brick						
3					Black	2 0-4.0: FILL; Silty ash, cinder and clinker						
4												
5		2	Macro Core	75%	Brown	4 0-6.0 FILL; Coarse sand and fine subrounded gravel, some brick and wood			ND/ 0.014			
6												
7					Gray	6.0-7.5 FILL, Silty clay, some fine to coarse angular gravel						
8						7.5-8 0: SILTY CLAY, well laminated						
9						Boring ended at 8' BGS						
10												
11												
12												

COMMENTS: Boring advanced with a Geoprobe 5400 utilizing a 4" x 2" diameter

Macro core. Samples collected for laboratory analysis for mercury, 0-2", composite from 2" to top of native and top of native

PROJECT NO. 41567053 40000

BORING NO. SB-35

URS Corporation										TEST BORING LOG		
PROJECT: Niacet VCA										BORING NO: SB-36		
CLIENT: Dow Chemical Corporation										SHEET: 1 of 1		
BORING CONTRACTOR: MARCOR Remediation, Inc.										JOB NO.: 41567053.40000		
GROUNDWATER:										BORING LOCATION:		
					CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:			
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore			DATE STARTED: 05/14/04			
				DIA.		2"			DATE FINISHED: 05/14/04			
				WT.					DRILLER: J. Agar			
				FALL		4'			GEOLOGIST: J. Doerr/R. Murphy			
* POCKET PENETROMETER READING										REVIEWED BY:		
DEPTH FEET	SAMPLE					DESCRIPTION			REMARKS			
	STRATA	NO.	TYPE	RECOVERY %	COLOR	MATERIAL DESCRIPTION	USCS	PID/MVA	MOISTURE			
1		1	Macro Core	40%	Gray to Brown	0.0-3.5: FILL: Fine, rounded to angular gravel, some fine to coarse sand (Pea Gravel)		ND/ 0.008	Moist			
2												
3												
4												
5		2	Macro Core	75%		3.5-6.7: FILL: Silty fine to coarse sand, some fine angular to rounded gravel		ND/ 0.011				
6												
7												
8												
9		3	Macro Core	85%	Black/ Gray	6.7-7.0: Fine to coarse angular gravel, brick, stained diesel type odor		80.10 0.000	Very Moist			
10												
11												
12												
						7.0-9.0: FILL: Silty clay		ND/ 0.004	Moist			
						Refusal on bedrock at 9' BGS						

COMMENTS: Boring advanced with a Geoprobe 5400 utilizing a 4' x 2" diameter Macro core Samples collected for laboratory analysis for mercury, 0-2", composite from 2" to top of native and top of native						PROJECT NO. 41567053.40000
						BORING NO. SB-36

URS Corporation										TEST BORING LOG		
PROJECT: Niacet VCA										BORING NO: SB-37		
CLIENT: Dow Chemical Corporation										SHEET: 1 of 1		
BORING CONTRACTOR: MARCOR Remediation, Inc.										JOB NO.: 41567053.40000		
GROUNDWATER:										BORING LOCATION:		
CAS.						SAMPLER		CORE		TUBE		
DATE						TIME		LEVEL		TYPE		
TYPE						DIA.		Macrocore		DATE STARTED: 05/24/04		
WT.						2"				DATE FINISHED: 05/24/04		
FALL						4'				DRILLER: J. Agar		
										GEOLOGIST: J. Doerr/R. Murphy		
						* POCKET PENETROMETER READING				REVIEWED BY:		
DEPTH		SAMPLE					DESCRIPTION			REMARKS		
FEET	STRATA	NO.	TYPE	RECOVERY %	COLOR	MATERIAL DESCRIPTION			USCS	PID/MVA	MOISTURE	
1		1	Macro Core	75%	Brown	0.0-5.3: FILL; Silty fine to coarse sand, some slag and brick				ND/0.000	Moist	
2												
3												
4												
5		2	Macro Core	60%	Red-Brown	5.3-6.8: FILL; Silty Clay, some fine to coarse angular gravel				ND/0.001		
6												
7												
					Gray	6.8-7.0. Weathered dolomitic bedrock			V Br			
8					Boring ended at 7' BGS							
9												
10												
11												
12												

COMMENTS: Boring advanced with a Geoprobe 5400 utilizing a 4' x 2" diameter										PROJECT NO. 41567053.40000	
Macro core. Samples collected for laboratory analysis for mercury, 0-2", composite from 2" to top of native and top of native										BORING NO. SB-37	

URS Corporation										TEST BORING LOG		
PROJECT: Niacet VCA										BORING NO: SB-38		
CLIENT: Dow Chemical Corporation										SHEET: 1 of 1		
BORING CONTRACTOR: MARCOR Remediation, Inc.										JOB NO.: 41567053.40000		
GROUNDWATER:										BORING LOCATION:		
					CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:			
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore			DATE STARTED: 05/25/04			
				DIA.		2"			DATE FINISHED: 05/25/04			
				WT.					DRILLER: J. Agar			
				FALL		4'			GEOLOGIST: J. Doerr/R. Murphy			
* POCKET PENETROMETER READING										REVIEWED BY:		
DEPTH FEET	SAMPLE					DESCRIPTION			REMARKS			
	STRATA	NO.	TYPE	RECOVERY %	COLOR	MATERIAL DESCRIPTION	USCS	REMARKS				
								PID/MVA	MOISTURE			
		1	Macro Core	10%	Black	0.0-0.3: Asphalt		ND/ 0.000	Moist			
Gray- Brown/ Red					0.3-1.0: FILL; Concrete, brick Cutting shoe block by brick							
1												
2												
3												
4								ND/ 0.000				
		2	Macro Core	10%	Red	4.0-4.5: FILL; Brick, some clay						
5												
6												
7												
8												
9												
10												
								ND/ 0.000				
11												
12												
COMMENTS: Boring advanced with a Geoprobe 5400 utilizing a 4' x 2" diameter										PROJECT NO. 41567053.40000		
Macro core. Samples collected for laboratory analysis for mercury, 0-2", composite										BORING NO. SB-38		
from 2" to top of native and top of native.												

URS Corporation										TEST BORING LOG			
PROJECT: Niacet VCA										BORING NO: SB-39			
CLIENT: Dow Chemical Corporation										SHEET: 1 of 1			
BORING CONTRACTOR: MARCOR Remediation, Inc.										JOB NO.: 41567053.40000			
GROUNDWATER:										BORING LOCATION:			
						CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:			
DATE	TIME	LEVEL	TYPE	TYPE			Macrocore			DATE STARTED: 05/14/04			
				DIA.			2"			DATE FINISHED: 05/14/04			
				WT.						DRILLER: J. Agar			
				FALL			4'			GEOLOGIST: J. Doerr/R. Murphy			
* POCKET PENETROMETER READING										REVIEWED BY:			
DEPTH FEET	STRATA	SAMPLE				DESCRIPTION				REMARKS			
		NO.	TYPE	RECOVERY %	COLOR	MATERIAL DESCRIPTION		USCS	PID/MVA	MOISTURE			
1		1	Macro Core	75%	Brown	0.0-2.1: FILL; Silty clay, fine to coarse angular gravel and brick			ND/ 0.008	Moist			
2					Dark Brown	2.1-4.6: FILL; Silty clay and fine to coarse angular gravel					ND/ 0.374		
3													
4													
5		2	Macro Core	75%	Gray	4.6-6.7: FILL; Silt, some brick, slag and fine to coarse angular gravel			ND/ 0.004				
6													
7						6.7-8.0: FILL; coarse gravel to cobble size slag							
8													
9		3	Macro Core	20%	Red-Brown	8.0-10.0: SILTY CLAY, soft, moderately plastic		CL	ND/ 0.004	Moist			
10						10.0-11.5: Grades to SILTY CLAY, some fine to coarse sand and fine to coarse angular to sub angular gravel (Till)					ND/ 0.000		
11													
12						Refusal on bedrock at 11.5' BGS							

COMMENTS: Boring advanced with a Geoprobe 5400 utilizing a 4' x 2" diameter										PROJECT NO. 41567053.40000			
Macro core. Samples collected for laboratory analysis for mercury, 0-2", composite from 2" to top of native and top of native.										BORING NO. SB-39			

URS Corporation										TEST BORING LOG		
PROJECT: Niacet VCA										BORING NO: SB-40		
CLIENT: Dow Chemical Corporation										SHEET: 1 of 1		
BORING CONTRACTOR: MARCOR Remediation, Inc.										JOB NO.: 41567053.40000		
GROUNDWATER:										BORING LOCATION:		
					CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:			
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore			DATE STARTED: 05/20/04			
				DIA.		2"			DATE FINISHED: 05/20/04			
				WT.					DRILLER: J. Agar			
				FALL		4'			GEOLOGIST: J. Doerr/R. Murphy			
* POCKET PENETROMETER READING										REVIEWED BY:		
DEPTH FEET	STRATA	SAMPLE				DESCRIPTION			USCS	REMARKS		
		NO.	TYPE	RECOVERY %	COLOR	MATERIAL DESCRIPTION		PID/MVA		MOISTURE		
		1	Macro Core	40%	Black	0.0-0.3: FILL; Silt and ash, some fine gravel			ND/	Moist		
Brown					0.3-4.0: FILL, Fine to coarse sand, some cinders		0.032					
1												
2												
3									ND/			
4									0.014			
5		2	Macro Core	50%	Black	4.0-7.6: FILL, Fine to coarse angular to subangular gravel, some fine to coarse sand, heavily stained			3.70			
6												
7												
8												
9						7.6-9.0: FILL; Silt, some fine sand, sheen, metal encountered at 8.9'-9.0'			1.80			
									0.010			
10		3	Macro Core	100%		Refusal on bedrock at 9' BGS						
11												
12												

COMMENTS: Boring advanced with a Geoprobe 5400 utilizing a 4' x 2" diameter										PROJECT NO. 41567053.40000	
Macro core Samples collected for laboratory analysis for mercury, 0-2", composite from 2" to top of native and top of native										BORING NO. SB-40	

URS Corporation										TEST BORING LOG		
PROJECT: Niacet VCA										BORING NO: SB-41		
CLIENT: Dow Chemical Corporation										SHEET: 1 of 1		
BORING CONTRACTOR: MARCOR Remediation, Inc.										JOB NO.: 41567053.40000		
GROUNDWATER:										BORING LOCATION:		
					CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:			
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore			DATE STARTED: 05/20/04			
				DIA.		2"			DATE FINISHED: 05/20/04			
				WT.					DRILLER: J. Agar			
				FALL		4'			GEOLOGIST: J. Doerr/R. Murphy			
* POCKET PENETROMETER READING										REVIEWED BY:		
DEPTH FEET	STRATA	SAMPLE				DESCRIPTION			REMARKS			
		NO.	TYPE	RECOVERY %	COLOR	MATERIAL DESCRIPTION	USCS	PID/MVA	MOISTURE			
1		1	Macro Core	85%	Brown	0.0-1.0: FILL; Silt and ash some fine to coarse angular crushed stone gravel, glass and brick		3.40	Moist			
2					1.0-2.7: FILL; Silty clay, some fine to coarse angular gravel	0.009						
3					2.7-4.6: FILL; Silt, some clay trace fine angular gravel							
4												
5		2	Macro Core	75%	Black	4.6-5.6: FILL; Silt, distorted structure		3.40				
6					5.6-8.0: FILL; Fine to coarse sand, some silt tar like odor, stained, sheen	0.013						
7												
8												
9		3	Macro Core	85%		8.0-11.0: FILL; Silt, some fine angular gravel stained, sheen		ND/ 0.005				
10												
11												
12												
						Refusal on bedrock at 11' BGS						

COMMENTS: Boring advanced with a Geoprobe 5400 utilizing a 4' x 2" diameter Macro core. Samples collected for laboratory analysis for mercury, 0-2", composite from 2" to top of native and top of native.	PROJECT NO. 41567053.40000
	BORING NO. SB-41

URS Corporation										TEST BORING LOG	
PROJECT: Niacet VCA										BORING NO: SB-42	
CLIENT: Dow Chemical Corporation										SHEET: 1 of 1	
BORING CONTRACTOR: MARCOR Remediation, Inc.										JOB NO.: 41567053.40000	
GROUNDWATER:										BORING LOCATION:	
					CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:		
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore			DATE STARTED: 05/20/04		
				DIA.		2"			DATE FINISHED: 05/20/04		
				WT.					DRILLER: J. Agar		
				FALL		4'			GEOLOGIST: J. Doerr/R. Murphy		
* POCKET PENETROMETER READING										REVIEWED BY:	
DEPTH FEET	SAMPLE				DESCRIPTION				REMARKS		
	STRATA	NO.	TYPE	RECOVERY %	COLOR	MATERIAL DESCRIPTION	USCS	PID/MVA	MOISTURE		
1		1	Macro Core	60%	Gray	0.0-1.0: FILL; Silty fine to coarse sand and fine to coarse crushed stone gravel		ND/ 0.000	Moist		
2					Yellow	1.0-2.21: FILL; Brick		Wet			
3					Black	2.2-5.9: FILL; Coarse sand, some fine sand and silt, stained		ND/ 0.000			
4		2	Macro Core	60%				1.70 0.086			
5											
6					Red- Brown	5.9-7.3: FILL; Silty clay and fine to coarse angular gravel		5.00 0.027	Moist		
7		3	Macro Core	100%	Black	7.3-9.5: FILL; Silt, some fine to coarse sand and fine rounded gravel., trace wood, stained		2.60 0.094			
8											
9											
10						9.5-11.0: SILT, bedded, stained	ML	4.70 0.044			
11											
12						Refusal on bedrock at 11' BGS					

COMMENTS: Boring advanced with a Geoprobe 5400 utilizing a 4' x 2" diameter Macro core. Samples collected for laboratory analysis for mercury, 0-2", composite from 2" to top of native and top of native.	PROJECT NO. 41567053 40000
	BORING NO. SB-42

URS Corporation										TEST BORING LOG			
PROJECT: Niacet VCA										BORING NO: SB-43			
CLIENT: Dow Chemical Corporation										SHEET: 1 of 1			
BORING CONTRACTOR: MARCOR Remediation, Inc.										JOB NO.: 41567053.40000			
GROUNDWATER:										BORING LOCATION:			
CAS.						SAMPLER		CORE		TUBE		GROUND ELEVATION:	
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore						DATE STARTED: 05/20/04	
				DIA.		2"						DATE FINISHED: 05/20/04	
				WT.								DRILLER: J. Agar	
				FALL		4'						GEOLOGIST: J. Doerr/R. Murphy	
* POCKET PENETROMETER READING										REVIEWED BY:			
DEPTH		SAMPLE					DESCRIPTION					REMARKS	
FEET	STRATA	NO.	TYPE	RECOVERY %	COLOR	MATERIAL DESCRIPTION					USCS	PID/MVA	MOISTURE
		1	Macro Core	75%	Brown	0.0-4.0: FILL; Fine to coarse sand and fine to coarse angular crushed stone gravel						ND/0.022	Moist
1													
2													
3													
4		2	Macro Core	90%	Red-Brown	4.0-9.5: FILL; Silty clay, some fine to coarse sand and fine to coarse angular gravel						3.50 ND/0.020	Wet
5													
6													
7													
8		3	Macro Core	100%								5.60 0.009	
9													
10													
11													
12						Refusal on bedrock at 9.5' BGS						4.30 0.015 2.10 0.008	
COMMENTS: Boring advanced with a Geoprobe 5400 utilizing a 4' x 2" diameter Macro core. Samples collected for laboratory analysis for mercury, 0-2", composite from 2" to top of native and top of native										PROJECT NO. 41567053 40000			
										BORING NO. SB-43			

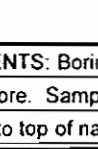
URS Corporation										TEST BORING LOG		
PROJECT: Niacet VCA										BORING NO: SB-44		
CLIENT: Dow Chemical Corporation										SHEET: 1 of 1		
BORING CONTRACTOR: MARCOR Remediation, Inc.										JOB NO.: 41567053.40000		
GROUNDWATER:										BORING LOCATION:		
					CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:			
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore			DATE STARTED: 05/25/04			
				DIA.		2"			DATE FINISHED: 05/25/04			
				WT.					DRILLER: J. Agar			
				FALL		4'			GEOLOGIST: J. Doerr/R. Murphy			
* POCKET PENETROMETER READING										REVIEWED BY:		
DEPTH FEET	SAMPLE					DESCRIPTION			REMARKS			
	STRATA	NO.	TYPE	RECOVERY %	COLOR	MATERIAL DESCRIPTION	USCS	PID/MVA	MOISTURE			
1		1	Macro Core	85%	Dark Brown	0.0-0.3: Fine to coarse sand and f-c ang. Gravel		ND/ 0.019	Wet ↓ Very Moist			
2					0.3-2.2: FILL Silty clay, some fine to coarse angular gravel							
3					Gray with Black	2.2-4.5: FILL; Silt, some clay						
4					Brown	4.0-4.5: SILTY CLAY, trace sand						
5		2	Macro Core	100% (0.5' of 0.5')	Refusal on bedrock at 4.5' BGS Boring completed as MW-06							
6												
7												
8												
9												
10												
11												
12												

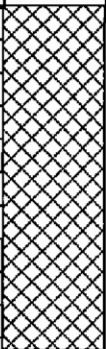
COMMENTS: Boring advanced with a Geoprobe 5400 utilizing a 4' x 2" diameter Macro core. Samples collected for laboratory analysis for mercury, 0-2", composite from 2" to top of native and top of native										PROJECT NO. 41567053 40000		
										BORING NO. SB-44		

URS Corporation										TEST BORING LOG			
PROJECT: Niacet VCA										BORING NO: SB-45			
CLIENT: Dow Chemical Corporation										SHEET: 1 of 1			
BORING CONTRACTOR: MARCOR Remediation, Inc.										JOB NO.: 41567053.40000			
GROUNDWATER:										BORING LOCATION:			
CAS.						SAMPLER		CORE		TUBE		GROUND ELEVATION:	
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore						DATE STARTED: 05/20/04	
				DIA.		2"						DATE FINISHED: 05/20/04	
				WT.								DRILLER: J. Agar	
				FALL		4'						GEOLOGIST: J. Doerr/R. Murphy	
* POCKET PENETROMETER READING										REVIEWED BY:			
SAMPLE						DESCRIPTION						REMARKS	
DEPTH FEET	STRATA	NO.	TYPE	RECOVERY %	COLOR	MATERIAL DESCRIPTION				USCS	PID/MVA	MOISTURE	
					Gray	0.0-1.0: Concrete					ND/0 000	Moist	
1						1.0-1.5: VOID							
2		1	Macro Core	30%		1.5-11 0: FILL. Silty clay, some fine to coarse angular gravel					ND/0 013	Wet	
3													
4											ND/0 012		
5													
6		2	Macro Core	40%							ND/0.000	Moist	
7													
8													
9											ND/0 000		
10													
11		3	Macro Core	60%							ND/0 000		
					Gray	11.0-11.5: SILTY CLAY, some f-c sand, f-c gravel				CL			
12						Refusal on bedrock at 11 5' BGS							
COMMENTS: Boring advanced with a Geoprobe 5400 utilizing a 4' x 2" diameter Macro core. Samples collected for laboratory analysis for mercury, 0-2", composite from 2" to top of native and top of native.										PROJECT NO. 41567053.40000			
										BORING NO. SB-45			

URS Corporation										TEST BORING LOG				
PROJECT: Niacet VCA										BORING NO: SB-46				
CLIENT: Dow Chemical Corporation										SHEET: 1 of 1				
BORING CONTRACTOR: MARCOR Remediation, Inc.										JOB NO.: 41567053.40000				
GROUNDWATER:										BORING LOCATION:				
					CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:					
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore			DATE STARTED: 05/20/04					
				DIA.		2"			DATE FINISHED: 05/20/04					
				WT.					DRILLER: J. Agar					
				FALL		4'			GEOLOGIST: J. Doerr/R. Murphy					
					* POCKET PENETROMETER READING				REVIEWED BY:					
DEPTH FEET	STRATA	SAMPLE				DESCRIPTION			USCS	REMARKS				
		NO.	TYPE	RECOVERY %	COLOR	MATERIAL DESCRIPTION	PID/MVA	MOISTURE						
1	[Cross-hatched pattern]	1	Macro Core	75%	Gray	0.0-8.0: FILL; Heterogeneous mix of silty clay, silt, fine to coarse sand, fine to coarse angular gravel, concrete, and cinder		ND/ 0.000	Dry					
2														
3														
4														
5		2	Macro Core	40%						Gray	8.0-8.3: FILL; Fine to coarse sand, some silt 8.3-8.7: FILL; Silty clay 8.7-9.0: FILL, Degraded concrete		ND/ 0.000	Moist
6														
7														
8														
9	3	Macro Core	100% (1' of 1')	Refusal at 9' BGS Borehole completed as PZ-10			Wet							
10														
11														
12														

COMMENTS: Boring advanced with a Geoprobe 5400 utilizing a 4' x 2" diameter Macro core. Samples collected for laboratory analysis for mercury, 0-2" composite from 2" to top of native and top of native.										PROJECT NO. 41567053.40000		
										BORING NO. SB-46		

URS Corporation										TEST BORING LOG	
PROJECT: Niacet VCA										BORING NO: SB-47	
CLIENT: Dow Chemical Corporation										SHEET: 1 of 1	
BORING CONTRACTOR: MARCOR Remediation, Inc.										JOB NO.: 41567053.40000	
GROUNDWATER:										BORING LOCATION:	
					CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:		
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore			DATE STARTED: 05/20/04		
				DIA.		2"			DATE FINISHED: 05/20/04		
				WT.					DRILLER: J. Agar		
				FALL		4'			GEOLOGIST: J. Doerr/R. Murphy		
* POCKET PENETROMETER READING										REVIEWED BY:	
DEPTH FEET	SAMPLE					DESCRIPTION			REMARKS		
	STRATA	NO.	TYPE	RECOVERY %	COLOR	MATERIAL DESCRIPTION	USCS	PID/MVA	MOISTURE		
		1	Macro Core	75%	Gray	0.0-9.0: FILL, Fine to coarse sand, cinder, some ash and fine to coarse angular gravel		ND/ 0.000	Moist		
1											
2											
3											
		2	Macro Core	80%				ND/ 0.005			
4											
5											
6											
		3	Macro Core	95%				ND/ 0.000			
7											
8											
9											
						9.0-9.5: Fine to coarse angular Dolomite gravel	V.Br	ND/ 0.000	Wet		
10											
11											
12											
COMMENTS: Boring advanced with a Geoprobe 5400 utilizing a 4" x 2" diameter Macro core. Samples collected for laboratory analysis for mercury, 0-2", composite from 2" to top of native and top of native.										PROJECT NO. 41567053.40000 BORING NO. SB-47	

URS Corporation										TEST BORING LOG		
PROJECT: Niacet VCA										BORING NO: SB-48		
CLIENT: Dow Chemical Corporation										SHEET: 1 of 1		
BORING CONTRACTOR: MARCOR Remediation, Inc.										JOB NO.: 41567053.40000		
GROUNDWATER:										BORING LOCATION:		
					CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:			
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore			DATE STARTED: 05/20/04			
				DIA.		2"			DATE FINISHED: 05/20/04			
				WT.					DRILLER: J. Agar			
				FALL		4'			GEOLOGIST: J. Doerr/R. Murphy			
* POCKET PENETROMETER READING										REVIEWED BY:		
DEPTH FEET	SAMPLE					DESCRIPTION			REMARKS			
	STRATA	NO.	TYPE	RECOVERY %	COLOR	MATERIAL		USCS	REMARKS			
						DESCRIPTION			PID/MVA	MOISTURE		
1		1	Macro Core	60%	Black	0.0-1.5: FILL; Fine to coarse sand and fine to coarse angular crushed stone gravel		V.Br	ND/ 0.004	Moist		
					1.5-1.7: FILL; Asphalt		ND/ 0.000					
2					1.7-3.4 FILL: Silty clay, some fine to coarse angular gravel							
3												
4					Gray	3.4-4.0: Weathered Dolomite bedrock						
5						Refusal on bedrock at 4' BGS Borehole completed as MW-07						
6												
7												
8												
9												
10												
11												
12												
COMMENTS: Boring advanced with a Geoprobe 5400 utilizing a 4' x 2" diameter										PROJECT NO. 41567053.40000		
Macro core. Samples collected for laboratory analysis for mercury, 0-2", composite										BORING NO. SB-48		
from 2" to top of native and top of native.												

URS Corporation										TEST BORING LOG			
PROJECT: Niacet VCA										BORING NO: SB-49			
CLIENT: Dow Chemical Corporation										SHEET: 1 of 1			
BORING CONTRACTOR: MARCOR Remediation, Inc.										JOB NO.: 41567053.40000			
GROUNDWATER:										BORING LOCATION:			
					CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:				
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore			DATE STARTED: 05/17/04				
				DIA.		2"			DATE FINISHED: 05/17/04				
				WT.					DRILLER: J. Agar				
				FALL		4'			GEOLOGIST: J. Doerr/R. Murphy				
* POCKET PENETROMETER READING										REVIEWED BY:			
DEPTH FEET	STRATA	SAMPLE				DESCRIPTION			USCS	REMARKS			
		NO.	TYPE	RECOVERY %	COLOR	MATERIAL DESCRIPTION	PID/MVA	MOISTURE					
		1	Macro Core	75%	Brown	0 0-0.4: FILL; Loamy silt, some fine sand, roots			ND/	Moist			
0.4-8.0: Silt, silty clay, some fine to coarse angular gravel and slag						0.000							
		2	Macro Core	50%					ND/				
									0.005				
		3	Macro Core	100% (0.5' of 0.5')		8 0-8.5 SANDY, SILTY CLAY, some f-c gravel		SW	102.00				
						Refusal on bedrock at 8.5' BGS			0.008				

COMMENTS: Boring advanced with a Geoprobe 5400 utilizing a 4' x 2" diameter										PROJECT NO. 41567053.40000			
Macro core Samples collected for laboratory analysis for mercury, 0-2", composite from 2" to top of native and top of native.										BORING NO. SB-49			

URS Corporation										TEST BORING LOG			
PROJECT: Niacet VCA										BORING NO: SB-50			
CLIENT: Dow Chemical Corporation										SHEET: 1 of 1			
BORING CONTRACTOR: MARCOR Remediation, Inc.										JOB NO.: 41567053.40000			
GROUNDWATER:										BORING LOCATION:			
					CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:				
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore			DATE STARTED: 05/19/04				
				DIA.		2"			DATE FINISHED: 05/19/04				
				WT.					DRILLER: J. Agar				
				FALL		4'			GEOLOGIST: J Doerr/R. Murphy				
					* POCKET PENETROMETER READING				REVIEWED BY:				
DEPTH FEET	SAMPLE					DESCRIPTION				REMARKS			
	STRATA	NO.	TYPE	RECOVERY %	COLOR	MATERIAL DESCRIPTION	USCS	PID/MVA		MOISTURE			
		1	Macro Core	60%	Brown	0.0-0.7: FILL, Fine to coarse sand and fine to coarse angular crushed stone gravel		ND/ 0.109		Moist			
1						0.7-9.5: FILL; Silty clay, some silt, fine to coarse angular gravel, brick, glass		ND/ 0.320					
2								ND/ 0.000					
3								ND/ 0.132					
4		2	Macro Core	50%				ND/ 0.018					
5													
6													
7													
8		3	Macro Core	100% (1.5' of 1.5')		Refusal at 9.5' on bedrock							
9													
10													
11													
12													
COMMENTS: Boring advanced with a Geoprobe 5400 utilizing a 4' x 2" diameter Macro core. Samples collected for laboratory analysis for mercury, 0-2", composite from 2" to top of native and top of native.										PROJECT NO. 41567053.40000			
										BORING NO. SB-50			

URS Corporation										TEST BORING LOG											
PROJECT: Niacet VCA										BORING NO: SB-51											
CLIENT: Dow Chemical Corporation										SHEET: 1 of 1											
BORING CONTRACTOR: MARCOR Remediation, Inc.										JOB NO.: 41567053.40000											
GROUNDWATER:										BORING LOCATION:											
DATE					TIME		LEVEL		TYPE		CAS.		SAMPLER		CORE		TUBE		GROUND ELEVATION:		
											Macrocore								DATE STARTED: 05/19/04		
									DIA.		2"								DATE FINISHED: 05/19/04		
									WT.										DRILLER: J. Agar		
									FALL		4'								GEOLOGIST: J. Doerr/R. Murphy		
										* POCKET PENETROMETER READING										REVIEWED BY:	
DEPTH FEET		SAMPLE					DESCRIPTION					USCS		REMARKS							
		STRATA	NO.	TYPE	RECOVERY %	COLOR	MATERIAL DESCRIPTION							PID/MVA	MOISTURE						
1		Hatched	1	Macro Core	60%	Brown	0.0-0.7: FILL; Fine to coarse sand and fine to coarse angular crushed stone gravel						ND/ 0.109	Moist							
2						Black	0.7-6.0: FILL; Fine to coarse angular gravel, some silt, coarse sand ash and cinder						ND/ 0.207								
3																					
4																					
5		Hatched	2	Macro Core	50%								ND/ 0.052								
6																					
7																					
8																					
9		Hatched	3	Macro Core	100% (1.0' of 1.0')	Dark Gray	6.0-9.0: FILL; Silty fine to medium sand, interlayered with silty clay, and with fine gravel and coarse sand. Layers about 4" thick						ND/ 0.019	Wet							
10																					
11																					
12																					
COMMENTS: Boring advanced with a Geoprobe 5400 utilizing a 4' x 2" diameter Macro core. Samples collected for laboratory analysis for mercury, 0-2", composite from 2" to top of native and top of native.										PROJECT NO. 41567053.40000											
										BORING NO. SB-51											

URS Corporation										TEST BORING LOG		
PROJECT: Niacet VCA										BORING NO: SB-52		
CLIENT: Dow Chemical Corporation										SHEET: 1 of 1		
BORING CONTRACTOR: MARCOR Remediation, Inc.										JOB NO.: 41567053.40000		
GROUNDWATER:										BORING LOCATION:		
					CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:			
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore			DATE STARTED: 05/24/04			
				DIA.		2"			DATE FINISHED: 05/24/04			
				WT.					DRILLER: J Agar			
				FALL		4'			GEOLOGIST: J. Doerr/R. Murphy			
* POCKET PENETROMETER READING										REVIEWED BY:		
DEPTH FEET	STRATA	SAMPLE				DESCRIPTION			USCS	REMARKS		
		NO.	TYPE	RECOVERY %	COLOR	MATERIAL DESCRIPTION		PID/MVA		MOISTURE		
		1	Macro Core	85%	Black	0.0-1.1: FILL; Cinder, ash clinker, slag			ND/ 0.109	Moist		
1.1-4.8: FILL; Silty clay, some cinder and brick												
		2	Macro Core	90%		4.8-7.7: FILL; Silty clay trace fine to coarse angular gravel			ND/ 0.207			
					Gray 7.7-8.3: Weathered bedrock		V.Br	ND/ 0.052				
		3	Macro Core	100% (0.3' of 0.3')	Refusal on bedrock at 8.3' BGS			ND/ 0.019				
COMMENTS: Boring advanced with a Geoprobe 5400 utilizing a 4" x 2" diameter Macro core. Samples collected for laboratory analysis for mercury, 0-2", composite from 2" to top of native and top of native.										PROJECT NO. 41567053.40000		
										BORING NO. SB-52		

URS Corporation										TEST BORING LOG			
PROJECT: Niacet VCA										BORING NO: SB-53			
CLIENT: Dow Chemical Corporation										SHEET: 1 of 1			
BORING CONTRACTOR: MARCOR Remediation, Inc.										JOB NO.: 41567053.40000			
GROUNDWATER:										BORING LOCATION:			
CAS.					SAMPLER		CORE		TUBE		GROUND ELEVATION:		
DATE		TIME		LEVEL		TYPE		TYPE		DATE STARTED:		05/17/04	
						DIA.		Macrocore		DATE FINISHED:		05/17/04	
						WT.				DRILLER:		J. Agar	
						FALL		4'		GEOLOGIST:		J. Doerr/R. Murphy	
* POCKET PENETROMETER READING										REVIEWED BY:			
DEPTH FEET	SAMPLE					DESCRIPTION					REMARKS		
	STRATA	NO.	TYPE	RECOVERY %	COLOR	MATERIAL DESCRIPTION		USCS	PID/MVA	MOISTURE			
1		1	Macro Core	50%	Brown	0.0-0.3: FILL; Loamy silt, some roots			ND/ 0.012	Moist			
2					Red- Brown	0.3-1.0: FILL; Silty clay and slag							
3					Gray	1.0-1.5: FILL; Dolomite cobbles, trace fine to coarse sand and silt							
4					Dark Brown	1.5-6.0: FILL; Silt, some clay, massive, with distorted structure							
5		2	Macro Core	75%					ND/ 0.062				
6													
7													
8													
9		3	Macro Core	100% (0.5' of 0.5')	Gray	6.0-8.0: FILL; Degraded concrete, fine to coarse sand and fine to coarse angular gravel			5.50 0.000				
10													
11													
12													
						8.0-8.5: FILL. Fine to coarse angular crushed stone gravel, some fine to coarse sand and silt			2.00 0.000				
						Refusal on bedrock at 8.5' BGS							

COMMENTS: Boring advanced with a Geoprobe 5400 utilizing a 4' x 2" diameter Macro core. Samples collected for laboratory analysis for mercury , 0-2", composite from 2" to top of native and top of native.

PROJECT NO. 41567053.40000

BORING NO. SB-53

URS Corporation										TEST BORING LOG	
PROJECT: Niacet VCA										BORING NO: SB-54	
CLIENT: Dow Chemical Corporation										SHEET: 1 of 1	
BORING CONTRACTOR: MARCOR Remediation, Inc.										JOB NO.: 41567053.40000	
GROUNDWATER:										BORING LOCATION:	
					CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:		
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore			DATE STARTED: 05/19/04		
				DIA.		2"			DATE FINISHED: 05/19/04		
				WT.					DRILLER: J. Agar		
				FALL		4'			GEOLOGIST: J. Doerr/R. Murphy		
* POCKET PENETROMETER READING										REVIEWED BY:	
DEPTH FEET	STRATA	SAMPLE				DESCRIPTION			REMARKS		
		NO.	TYPE	RECOVERY %	COLOR	MATERIAL DESCRIPTION	USCS	PID/MVA	MOISTURE		
1		1	Macro Core	85%	Black	0.0-1.4: FILL; Silty, ashy, cinder and clinker			ND/ 0.007	Moist	
2					Red- Brown	1.4-6.0: FILL, Silty clay, cinder, clinker, brick, and fine to coarse angular gravel			ND/ 0.000		
3		2	Macro Core	90%					ND/ 0.000		
4											
5											
6					Black	6.0-6.5: FILL; Silt, trace to some clay and wood			ND/ 0.007	Wet	
7						Refusal on bedrock at 6.5' BGS Borehole completed as PZ-09					
8											
9											
10											
11											
12											

COMMENTS: Boring advanced with a Geoprobe 5400 utilizing a 4' x 2" diameter Macro core. Samples collected for laboratory analysis for mercury, 0-2", composite from 2" to top of native and top of native.						PROJECT NO. 41567053.40000
						BORING NO. SB-54

URS Corporation										TEST BORING LOG		
PROJECT: Niacet VCA										BORING NO: SB-55		
CLIENT: Dow Chemical Corporation										SHEET: 1 of 1		
BORING CONTRACTOR: MARCOR Remediation, Inc.										JOB NO.: 41567053.40000		
GROUNDWATER:										BORING LOCATION:		
					CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:			
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore			DATE STARTED: 05/24/04			
				DIA.		2"			DATE FINISHED: 05/24/04			
				WT.					DRILLER: J. Agar			
				FALL		4'			GEOLOGIST: J. Doerr/R. Murphy			
* POCKET PENETROMETER READING										REVIEWED BY:		
DEPTH		SAMPLE				DESCRIPTION			REMARKS			
FEET	STRATA	NO.	TYPE	RECOVERY %	COLOR	MATERIAL DESCRIPTION		USCS	PID/MVA	MOISTURE		
1		1	Macro Core	75%	Black	0.0-1.2: FILL; Fill cinder, ash clinker and slag			ND/ 0.000	Moist		
2					Red	1.2-1.9: FILL; Brick						
3					Brown	1.9-6.5: FILL; Silty clay and fine to coarse angular gravel, some cinder and brick						
4												
5		2	Macro Core	10%					ND/ 0.007			
6												
7												
8												
9												
10												
11												
12												
COMMENTS: Boring advanced with a Geoprobe 5400 utilizing a 4" x 2" diameter Macro core. Samples collected for laboratory analysis for mercury, 0-2", composite from 2" to top of native and top of native.										PROJECT NO. 41567053.40000		
										BORING NO. SB-55		

URS Corporation										TEST BORING LOG		
PROJECT: Niacet VCA										BORING NO: SB-56		
CLIENT: Dow Chemical Corporation										SHEET: 1 of 1		
BORING CONTRACTOR: MARCOR Remediation, Inc.										JOB NO.: 41567053 40000		
GROUNDWATER:										BORING LOCATION:		
CAS. SAMPLER CORE TUBE										GROUND ELEVATION:		
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore				DATE STARTED: 5/21/2004		
				DIA.		2"				DATE FINISHED: 05/21/04		
				WT.						DRILLER: J. Agar		
				FALL		4'				GEOLOGIST: J. Doerr/R. Murphy		
* POCKET PENETROMETER READING										REVIEWED BY:		
DEPTH FEET	STRATA	SAMPLE				DESCRIPTION				USCS	REMARKS	
		NO.	TYPE	RECOVERY %	COLOR	MATERIAL DESCRIPTION		PID/MVA	MOISTURE			
1	[Cross-hatched pattern]	1	Macro Core	95%	Gray	0.0-0.8: FILL; Fine to coarse sand and fine to coarse angular crushed stone gravel			ND/ 0.011	Dry ↓ Moist		
Red-Brown					0.8-5.0: FILL; Silty clay, some fine to coarse angular gravel, trace brick and cinder							
2												
3												
4												
5	[Diagonal hatched pattern]	2	Macro Core	90%		4.5-5.0: SILTY CLAY, some fine to coarse sand		CL	ND/ 0.001	↓		
6	Refusal on bedrock at 5' BGS Borehole completed as MW-03											
7												
8												
9												
10												
11												
12												

COMMENTS: Boring advanced with a Geoprobe 5400 utilizing a 4" x 2" diameter Macro core. Samples collected for laboratory analysis for mercury, 0-2", composite from 2" to top of native and top of native.

PROJECT NO. 41567053.40000

BORING NO. SB-56

URS Corporation										TEST BORING LOG	
PROJECT: Niacet VCA										BORING NO: SB-57	
CLIENT: Dow Chemical Corporation										SHEET: 1 of 1	
BORING CONTRACTOR: MARCOR Remediation, Inc.										JOB NO.: 41567053.40000	
GROUNDWATER:										BORING LOCATION:	
					CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:		
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore			DATE STARTED: 05/17/04		
				DIA.		2"			DATE FINISHED: 05/17/04		
				WT.					DRILLER: J. Agar		
				FALL		4'			GEOLOGIST: J. Doerr/R. Murphy		
* POCKET PENETROMETER READING										REVIEWED BY:	
SAMPLE						DESCRIPTION			REMARKS		
DEPTH FEET	STRATA	NO.	TYPE	RECOVERY %	COLOR	MATERIAL DESCRIPTION	USCS	PID/MVA	MOISTURE		
1		1	Macro Core	95%	Dark Brown	0.0-4.0 FILL; Silt, some to trace clay, trace fine subangular gravel		ND/ 0.000	Moist		
2											
3											
4											
5		2	Macro Core	90%	Brown	4.0-7.0: FILL; Fine to coarse sand and fine to coarse angular gravel		ND/ 0.000	Wet		
6											
7											
8											
9						Refusal on bedrock at 7' BGS Borehole completed as PZ-07					
10											
11											
12											
COMMENTS: Boring advanced with a Geoprobe 5400 utilizing a 4' x 2" diameter Macro core. Samples collected for laboratory analysis for mercury, 0-2", composite from 2" to top of native and top of native.										PROJECT NO. 41567053.40000	
										BORING NO. SB-57	

URS Corporation										TEST BORING LOG		
PROJECT: Niacet VCA										BORING NO: SB-58		
CLIENT: Dow Chemical Corporation										SHEET: 1 of 1		
BORING CONTRACTOR: MARCOR Remediation, Inc.										JOB NO.: 41567053.40000		
GROUNDWATER:										BORING LOCATION:		
					CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:			
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore			DATE STARTED: 05/19/04			
				DIA.		2"			DATE FINISHED: 05/19/04			
				WT.					DRILLER: J. Agar			
				FALL		4'			GEOLOGIST: J. Doerr/R. Murphy			
					* POCKET PENETROMETER READING				REVIEWED BY:			
DEPTH FEET	SAMPLE					DESCRIPTION			REMARKS			
	STRATA	NO.	TYPE	RECOVERY %	COLOR	MATERIAL DESCRIPTION	USCS	PID/MVA	MOISTURE			
1		1	Macro Core	75%	Black	0.0-1.0: FILL Silty ash, cinder, clinker, coal, fine coarse angular gravel		ND/ 0.004	Moist			
2					Red-Brown	1.0-6.5: FILL; Silty clay, some fine to coarse angular gravel, cinder, and clinker		ND/ 0.000				
3												
4												
5		2	Macro Core	85%				ND/ 0.000				
6												
7												
8												
9												
10												
11												
12												
COMMENTS: Boring advanced with a Geoprobe 5400 utilizing a 4' x 2" diameter Macro core. Samples collected for laboratory analysis for mercury, 0-2", composite from 2" to top of native and top of native.										PROJECT NO. 41567053.40000 BORING NO. SB-58		

URS Corporation										TEST BORING LOG		
PROJECT: Niacet VCA										BORING NO: SB-59		
CLIENT: Dow Chemical Corporation										SHEET: 1 of 1		
BORING CONTRACTOR: MARCOR Remediation, Inc.										JOB NO.: 41567053.40000		
GROUNDWATER:										BORING LOCATION:		
					CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:			
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore			DATE STARTED: 05/19/04			
				DIA.		2"			DATE FINISHED: 05/19/04			
				WT.					DRILLER: J. Agar			
				FALL		4'			GEOLOGIST: J. Doerr/R. Murphy			
* POCKET PENETROMETER READING										REVIEWED BY:		
DEPTH FEET	SAMPLE					DESCRIPTION			REMARKS			
	STRATA	NO.	TYPE	RECOVERY %	COLOR	MATERIAL DESCRIPTION	USCS	PID/MVA		MOISTURE		
1		1	Macro Core	90%	Black	0.0-0.7: FILL Silty ash, cinder, clinker, coal, fine coarse angular gravel		ND/ 0.027		Moist		
2					Red- Brown	0.7-5.8: FILL; Silty clay, some fine to coarse angular gravel, cinder, and clinker		ND/ 0.031				
3												
4												
5		2	Macro Core	85%				ND/ 0.009				
6												
7												
8												
9												
10												
11												
12												
COMMENTS: Boring advanced with a Geoprobe 5400 utilizing a 4' x 2" diameter Macro core. Samples collected for laboratory analysis for mercury, 0-2", composite from 2" to top of native and top of native.										PROJECT NO. 41567053.40000		
										BORING NO. SB-59		

URS Corporation										TEST BORING LOG			
PROJECT: Niacet VCA										BORING NO: SB-60			
CLIENT: Dow Chemical Corporation										SHEET: 1 of 1			
BORING CONTRACTOR: MARCOR Remediation, Inc.										JOB NO.: 41567053.40000			
GROUNDWATER:										BORING LOCATION:			
CAS.					SAMPLER		CORE		TUBE		GROUND ELEVATION:		
DATE		TIME		LEVEL		TYPE		TYPE		Macrocore		DATE STARTED: 05/21/04	
						DIA.				2"		DATE FINISHED: 05/21/04	
						WT.						DRILLER: J. Agar	
						FALL				4'		GEOLOGIST: J. Doerr/R. Murphy	
* POCKET PENETROMETER READING										REVIEWED BY:			
DEPTH FEET	STRATA	SAMPLE				DESCRIPTION				REMARKS			
		NO.	TYPE	RECOVERY %	COLOR	MATERIAL DESCRIPTION		USCS	PID/MVA	MOISTURE			
1		1	Macro Core	90%	Gray	0.0-0.5: FILL; Fine to coarse sand and fine to coarse angular crushed stone gravel			ND/ 0.180	Moist			
2					Red- Brown	0.5-4.0: FILL; Silty clay, some fine to coarse angular gravel, trace brick and cinder							
3													
4													
5		2	Macro Core	85%		4.0-4.5: SILTY CLAY, some fine to coarse sand		SP	ND/ 0.000	↓			
6	Gray				4.5-5.0. Weathered dolomite bedrock		V.Br						
7	Refusal on bedrock at 5' BGS												
8													
9													
10													
11													
12													

COMMENTS: Boring advanced with a Geoprobe 5400 utilizing a 4' x 2" diameter Macro core. Samples collected for laboratory analysis for mercury, 0-2", composite from 2" to top of native and top of native.

PROJECT NO. 41567053.40000

BORING NO. SB-60

URS Corporation										TEST BORING LOG			
PROJECT: Niacet VCA										BORING NO: SB-61			
CLIENT: Dow Chemical Corporation										SHEET: 1 of 1			
BORING CONTRACTOR: MARCOR Remediation, Inc.										JOB NO.: 41567053.40000			
GROUNDWATER:										BORING LOCATION:			
CAS.						SAMPLER		CORE		TUBE		GROUND ELEVATION:	
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore						DATE STARTED: 05/17/04	
				DIA.		2"						DATE FINISHED: 05/17/04	
				WT.								DRILLER: J. Agar	
				FALL		4'						GEOLOGIST: J. Doerr/R. Murphy	
* POCKET PENETROMETER READING										REVIEWED BY:			
DEPTH FEET	STRATA	SAMPLE				DESCRIPTION						REMARKS	
		NO.	TYPE	RECOVERY %	COLOR	MATERIAL DESCRIPTION				USCS	PID/MVA	MOISTURE	
1		1	Macro Core	90%	Brown	0.0-7.0: FILL; Silt, trace to some clay, fine to coarse angular gravel.					ND/ 0.000	Moist	
2													
3													
4													
5		2	Macro Core	60%						ND/ 0.000	Wet		
6													
7													
8					Refusal on bedrock at 7' BGS Borehole completed as PZ-07								
9													
10													
11													
12													
COMMENTS: Boring advanced with a Geoprobe 5400 utilizing a 4' x 2" diameter Macro core. Samples collected for laboratory analysis for mercury, 0-2", composite from 2" to top of native and top of native.										PROJECT NO. 41567053.40000 BORING NO. SB-61			

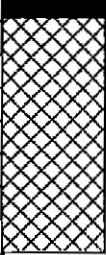
URS Corporation										TEST BORING LOG		
PROJECT: Niacet VCA										BORING NO: SB-62		
CLIENT: Dow Chemical Corporation										SHEET: 1 of 1		
BORING CONTRACTOR: MARCOR Remediation, Inc.										JOB NO.: 41567053.40000		
GROUNDWATER:										BORING LOCATION:		
					CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:			
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore			DATE STARTED: 05/17/04			
				DIA.		2"			DATE FINISHED: 05/17/04			
				WT.					DRILLER: J. Agar			
				FALL		4'			GEOLOGIST: J. Doerr/R. Murphy			
					* POCKET PENETROMETER READING				REVIEWED BY:			
DEPTH FEET	SAMPLE					DESCRIPTION			REMARKS			
	STRATA	NO.	TYPE	RECOVERY %	COLOR	MATERIAL DESCRIPTION	USCS	MOISTURE				
								PID/MVA				
		1	Macro Core	90%	Brown	0.0-6.7: FILL; Silty, fine to coarse angular gravel.		ND/ 0.000	Moist			
1												
2												
3												
4		2	Macro Core	60%				ND/ 0.000				
5												
6												
7												
8						Refusal on bedrock at 6.7' BGS						
9												
10												
11												
12												
COMMENTS: Boring advanced with a Geoprobe 5400 utilizing a 4' x 2" diameter Macro core. Samples collected for laboratory analysis for mercury, 0-2", composite from 2" to top of native and top of native.										PROJECT NO. 41567053.40000		
										BORING NO. SB-62		

URS Corporation										TEST BORING LOG		
PROJECT: Niacet VCA										BORING NO: SB-63		
CLIENT: Dow Chemical Corporation										SHEET: 1 of 1		
BORING CONTRACTOR: MARCOR Remediation, Inc.										JOB NO.: 41567053.40000		
GROUNDWATER:										BORING LOCATION:		
CAS.					SAMPLER		CORE		TUBE		GROUND ELEVATION:	
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore				DATE STARTED: 05/19/04		
				DIA.		2"				DATE FINISHED: 05/19/04		
				WT.						DRILLER: J. Agar		
				FALL		4'				GEOLOGIST: J. Doerr/R. Murphy		
* POCKET PENETROMETER READING										REVIEWED BY:		
DEPTH FEET	SAMPLE					DESCRIPTION				REMARKS		
	STRATA	NO.	TYPE	RECOVERY %	COLOR	MATERIAL DESCRIPTION			USCS	PID/MVA	MOISTURE	
		1	Macro Core	70%	Black	0.0-0.7' FILL; Silt, ash, cinder, clinker, coal				ND/ 0.031	Moist	
1					Red- Brown	0.7-4.5' FILL; Silty clay, fine to coarse angular gravel, brick						
2												
3												
4												
5		2	Macro Core	50%	Gray	4.5-5.0' Weathered dolomite bedrock			V.Br	ND/ 0.000	Wet	
6	Refusal on bedrock at 5' BGS Completed as PZ-08											
7												
8												
9												
10												
11												
12												

COMMENTS: Boring advanced with a Geoprobe 5400 utilizing a 4' x 2" diameter
 Macro core. Samples collected for laboratory analysis for mercury, 0-2", composite
 from 2" to top of native and top of native.

PROJECT NO. 41567053.40000
BORING NO. SB-63

URS Corporation										TEST BORING LOG		
PROJECT: Niacet VCA										BORING NO: SB-64		
CLIENT: Dow Chemical Corporation										SHEET: 1 of 1		
BORING CONTRACTOR: MARCOR Remediation, Inc.										JOB NO.: 41567053.40000		
GROUNDWATER:										BORING LOCATION:		
					CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:			
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore			DATE STARTED: 05/19/04			
				DIA.		2"			DATE FINISHED: 05/19/04			
				WT.					DRILLER: J. Agar			
				FALL		4'			GEOLOGIST: J. Doerr/R. Murphy			
* POCKET PENETROMETER READING										REVIEWED BY:		
DEPTH FEET	SAMPLE					DESCRIPTION			REMARKS			
	STRATA	NO.	TYPE	RECOVERY %	COLOR	MATERIAL DESCRIPTION	USCS	PIID/MVA		MOISTURE		
		1	Macro Core	85%	Black	0.0-0.6: FILL; Silt, ash, and cinder, some fine angular gravel, trace brick		ND/ 0.007	Moist			
Red- Brown					0.6-3.3: FILL; Silty clay, some fine to coarse angular gravel, trace cinder and brick	ND/ 0.012						
1												
2												
3												
4						Refusal on bedrock at 3 3' BGS						
5												
6												
7												
8												
9												
10												
11												
12												
COMMENTS: Boring advanced with a Geoprobe 5400 utilizing a 4' x 2" diameter Macro core. Samples collected for laboratory analysis for mercury, 0-2", composite from 2" to top of native and top of native.										PROJECT NO. 41567053.40000		
										BORING NO. SB-64		

URS Corporation										TEST BORING LOG		
PROJECT: Niacet VCA										BORING NO: SB-65		
CLIENT: Dow Chemical Corporation										SHEET: 1 of 1		
BORING CONTRACTOR: MARCOR Remediation, Inc.										JOB NO.: 41567053.40000		
GROUNDWATER:										BORING LOCATION:		
					CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:			
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore			DATE STARTED: 05/25/04			
				DIA.		2"			DATE FINISHED: 05/25/04			
				WT.					DRILLER: J. Agar			
				FALL		4'			GEOLOGIST: J. Doerr/R. Murphy			
* POCKET PENETROMETER READING										REVIEWED BY:		
DEPTH FEET	SAMPLE					DESCRIPTION			REMARKS			
	STRATA	NO.	TYPE	RECOVERY %	COLOR	MATERIAL		USCS	MOISTURE			
						DESCRIPTION			PID/MVA			
		1	Macro Core	75%	Black	0.0.3: Asphalt			ND/	Moist		
Gray					0.3-1.1: FILL; Fine to coarse sand and fine to coarse angular crushed stone gravel, some silt		0.007					
Red-Brown					1.1-2.7: FILL; Silty clay, some fine to coarse angular gravel		ND/					
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
COMMENTS: Boring advanced with a Geoprobe 5400 utilizing a 4" x 2" diameter Macro core. Samples collected for laboratory analysis for mercury, 0-2", composite from 2" to top of native and top of native.										PROJECT NO. 41567053.40000		
										BORING NO. SB-65		

URS Corporation										TEST BORING LOG	
PROJECT: Niacet VCA										BORING NO: SB-66	
CLIENT: Dow Chemical Corporation										SHEET: 1 of 1	
BORING CONTRACTOR: MARCOR Remediation, Inc										JOB NO.: 41567053.40000	
GROUNDWATER:										BORING LOCATION:	
					CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:		
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore			DATE STARTED: 05/18/04		
				DIA.		2"			DATE FINISHED: 05/18/04		
				WT.					DRILLER: J. Agar		
				FALL		4'			GEOLOGIST: J. Doerr/R. Murphy		
* POCKET PENETROMETER READING										REVIEWED BY:	
DEPTH FEET	SAMPLE					DESCRIPTION			REMARKS		
	STRATA	NO.	TYPE	RECOVERY %	COLOR	MATERIAL DESCRIPTION	USCS	PID/MVA	MOISTURE		
1		1	Macro Core	40%	Black ↓	0.0-1.4: Silty ash, cinder, clinker, brick, and concrete	SP	ND/ 0.000	Moist ↓		
2					Red- Brown ↓	1.4-2.8: FILL; Silty clay, some fine to coarse angular gravel		ND/ 0.000			
3					2.8-3.3: SILTY CLAY, some fine to coarse sand						
4						Refusal on bedrock at 3.3' BGS					
5											
6											
7											
8											
9											
10											
11											
12											

COMMENTS: Boring advanced with a Geoprobe 5400 utilizing a 4' x 2" diameter Macro core. Samples collected for laboratory analysis for mercury, 0-2", composite from 2" to top of native and top of native.						PROJECT NO. 41567053.40000
						BORING NO. SB-66

URS Corporation										TEST BORING LOG	
PROJECT: Niacet VCA										BORING NO: SB-67	
CLIENT: Dow Chemical Corporation										SHEET: 1 of 1	
BORING CONTRACTOR: MARCOR Remediation, Inc.										JOB NO.: 41567053.40000	
GROUNDWATER:										BORING LOCATION:	
					CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:		
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore			DATE STARTED: 05/18/04		
				DIA.		2"			DATE FINISHED: 05/18/04		
				WT.					DRILLER: J. Agar		
				FALL		4'			GEOLOGIST: J. Doerr/R. Murphy		
* POCKET PENETROMETER READING										REVIEWED BY:	
DEPTH FEET	STRATA	SAMPLE				DESCRIPTION			REMARKS		
		NO.	TYPE	RECOVERY %	COLOR	MATERIAL DESCRIPTION	USCS	PID/MVA	MOISTURE		
1		1	Macro Core	90%	Dark Brown	0.0-1.8: FILL; Silty fine to coarse sand and fine to coarse angular crushed stone gravel		ND/ 0.109	Moist		
2					Red- Brown	1.8-4.5: FILL; Silty clay, some fine to coarse angular gravel		ND/ 0.024			
3											
4					Black	Heavily stained					
5		2	Macro Core	100%		Refusal on bedrock at 4.5' BGS		ND/ 0.012			
6											
7											
8											
9											
10											
11											
12											

COMMENTS: Boring advanced with a Geoprobe 5400 utilizing a 4' x 2" diameter
Macro core. Samples collected for laboratory analysis for mercury, 0-2", composite
from 2" to top of native and top of native.

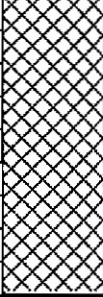
PROJECT NO. 41567053.40000
BORING NO. SB-67

URS Corporation										TEST BORING LOG			
PROJECT: Niacet VCA										BORING NO: SB-68			
CLIENT: Dow Chemical Corporation										SHEET: 1 of 1			
BORING CONTRACTOR: MARCOR Remediation, Inc.										JOB NO.: 41567053.40000			
GROUNDWATER:										BORING LOCATION:			
					CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:				
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore			DATE STARTED: 05/18/04				
				DIA.		2"			DATE FINISHED: 05/18/04				
				WT.					DRILLER: J. Agar				
				FALL		4'			GEOLOGIST: J. Doerr/R. Murphy				
* POCKET PENETROMETER READING										REVIEWED BY:			
DEPTH FEET	SAMPLE					DESCRIPTION			REMARKS				
	STRATA	NO.	TYPE	RECOVERY %	COLOR	MATERIAL DESCRIPTION	USCS	REMARKS					
								PID/MVA	MOISTURE				
1		1	Macro Core	40%	Dark Brown	0.0-1.3: Silty ash, cinder, clinker		ND/ 0.016	Moist				
2					Red- Brown	1.3-3.8: FILL, Silty clay, some fine to coarse angular gravel		ND/ 0.012					
3													
4						Refusal on bedrock at 3.8' BGS							
5													
6													
7													
8													
9													
10													
11													
12													
COMMENTS: Boring advanced with a Geoprobe 5400 utilizing a 4' x 2" diameter										PROJECT NO. 41567053.40000			
Macro core. Samples collected for laboratory analysis for mercury, 0-2", composite										BORING NO. SB-68			
from 2" to top of native and top of native.													

URS Corporation										TEST BORING LOG			
PROJECT: Niacet VCA										BORING NO: SB-69			
CLIENT: Dow Chemical Corporation										SHEET: 1 of 1			
BORING CONTRACTOR: MARCOR Remediation, Inc.										JOB NO.: 41567053.40000			
GROUNDWATER:										BORING LOCATION:			
CAS.						SAMPLER		CORE		TUBE		GROUND ELEVATION:	
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore				DATE STARTED: 05/18/04			
				DIA.		2"				DATE FINISHED: 05/18/04			
				WT.						DRILLER: J. Agar			
				FALL		4'				GEOLOGIST: J. Doerr/R. Murphy			
* POCKET PENETROMETER READING										REVIEWED BY:			
DEPTH		SAMPLE					DESCRIPTION			REMARKS			
FEET	STRATA	NO.	TYPE	RECOVERY %	COLOR	MATERIAL DESCRIPTION			USCS	PID/MVA	MOISTURE		
1		1	Macro Core	100%	Red-Brown	0.0-2.0: FILL; Silty clay and fine to coarse angular gravel				ND/0 016	Moist		
2					Gray	2.0-4.0: Weathered dolomite bedrock			V.Br	ND/0 012			
3													
4													
5						Refusal on bedrock at 4' BGS							
6													
7													
8													
9													
10													
11													
12													
COMMENTS: Boring advanced with a Geoprobe 5400 utilizing a 4' x 2" diameter Macro core. Samples collected for laboratory analysis for mercury, 0-2", composite from 2" to top of native and top of native.										PROJECT NO. 41567053.40000			
										BORING NO. SB-69			

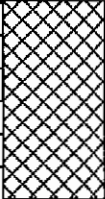
URS Corporation										TEST BORING LOG		
PROJECT: Niacet VCA										BORING NO: SB-70		
CLIENT: Dow Chemical Corporation										SHEET: 1 of 1		
BORING CONTRACTOR: MARCOR Remediation, Inc.										JOB NO.: 41567053.40000		
GROUNDWATER:										BORING LOCATION:		
					CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:			
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore			DATE STARTED: 05/18/04			
				DIA.		2"			DATE FINISHED: 05/18/04			
				WT.					DRILLER: J. Agar			
				FALL		4'			GEOLOGIST: J. Doerr/R. Murphy			
* POCKET PENETROMETER READING										REVIEWED BY:		
DEPTH FEET	SAMPLE					DESCRIPTION			REMARKS			
	STRATA	NO.	TYPE	RECOVERY %	COLOR	MATERIAL DESCRIPTION	USCS	PID/MVA	MOISTURE			
1		1	Macro Core	75%	Brown	0.0-1.1: FILL; Silty, coarse subangular crushed stone gravel, some fine gravel.		ND/ 0.487	Dry ↓ Dry to slightly moist			
2					Gray	1.1-1.6: FILL; Silt, some clay and fine to coarse angular to subangular gravel						
3					Red Brown	1.6-4.1: FILL; Silty Clay, some fine to coarse angular to subangular gravel.						
4												
5						Boring ended at 4.1' BGS						
6						Refusal on bedrock.						
7												
8												
9												
10												
11												
12												

COMMENTS: Boring advanced with a Geoprobe 5400 utilizing a 4' x 2" diameter Macro core. Samples collected for laboratory analysis for mercury, 0-2", composite from 2" to top of native and top of native.							PROJECT NO. 41567053.40000	
							BORING NO. SB-70	

URS Corporation										TEST BORING LOG		
PROJECT: Niacet VCA										BORING NO: SB-71		
CLIENT: Dow Chemical Corporation										SHEET: 1 of 1		
BORING CONTRACTOR: MARCOR Remediation, Inc.										JOB NO.: 41567053.40000		
GROUNDWATER:										BORING LOCATION:		
					CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:			
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore			DATE STARTED: 05/18/04			
				DIA.		2"			DATE FINISHED: 05/18/04			
				WT.					DRILLER: J. Agar			
				FALL		4'			GEOLOGIST: J. Doerr/R. Murphy			
* POCKET PENETROMETER READING										REVIEWED BY:		
DEPTH FEET	SAMPLE					DESCRIPTION			REMARKS			
	STRATA	NO.	TYPE	RECOVERY %	COLOR	MATERIAL DESCRIPTION	USCS	PID/MVA	MOISTURE			
1		1	Macro Core	25%	Brown	0.0-3.0: FILL; Silt, ash, cinder, slag, concrete, clay, trace fine to medium sand and fine to coarse angular gravel.		ND/ 0.000	Dry			
2					↓							
3					Red Brown							
4						Boring ended at 3' 0" BGS						
5						Refusal on bedrock.						
6												
7												
8												
9												
10												
11												
12												

COMMENTS: Boring advanced with a Geoprobe 5400 utilizing a 4" x 2" diameter Macro core. Samples collected for laboratory analysis for mercury, 0-2", composite from 2" to top of native and top of native.							PROJECT NO. 41567053.40000	
							BORING NO. SB-71	

URS Corporation										TEST BORING LOG		
PROJECT: Niacet VCA										BORING NO: SB-72		
CLIENT: Dow Chemical Corporation										SHEET: 1 of 1		
BORING CONTRACTOR: MARCOR Remediation, Inc.										JOB NO.: 41567053.40000		
GROUNDWATER:										BORING LOCATION:		
					CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:			
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore			DATE STARTED: 05/18/04			
				DIA.		2"			DATE FINISHED: 05/18/04			
				WT.					DRILLER: J. Agar			
				FALL		4'			GEOLOGIST: J. Doerr/R. Murphy			
* POCKET PENETROMETER READING										REVIEWED BY:		
DEPTH FEET	SAMPLE					DESCRIPTION			REMARKS			
	STRATA	NO.	TYPE	RECOVERY %	COLOR	MATERIAL DESCRIPTION			USCS	PID/MVA	MOISTURE	
1		1	Macro Core	75%	Dark Brown to Gray	0.0-2.0: FILL: Silt, silty clay, cinder, brick, ash, some fine to coarse angular gravel. ↓				ND/ 0.007	Dry	
2												
3						Boring ended at 2.0' BGS						
4						Refusal on bedrock						
5												
6												
7												
8												
9												
10												
11												
12												
COMMENTS: Boring advanced with a Geoprobe 5400 utilizing a 4" x 2" diameter Macro core. Samples collected for laboratory analysis for mercury, 0-2", composite from 2" to top of native and top of native.										PROJECT NO. 41567053.40000		
										BORING NO. SB-72		

URS Corporation										TEST BORING LOG		
PROJECT: Niacet VCA										BORING NO: SB-73		
CLIENT: Dow Chemical Corporation										SHEET: 1 of 1		
BORING CONTRACTOR: MARCOR Remediation, Inc.										JOB NO.: 41567053.40000		
GROUNDWATER:										BORING LOCATION:		
					CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:			
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore			DATE STARTED: 05/18/04			
				DIA.		2"			DATE FINISHED: 05/18/04			
				WT.					DRILLER: J. Agar			
				FALL		4'			GEOLOGIST: J. Doerr/R. Murphy			
* POCKET PENETROMETER READING										REVIEWED BY:		
DEPTH FEET	SAMPLE					DESCRIPTION			REMARKS			
	STRATA	NO.	TYPE	RECOVERY %	COLOR	MATERIAL DESCRIPTION	USCS	MOISTURE				
								PID/MVA				
1		1	Macro Core	50%	Dark Brown to Gray	0.0-2.0: FILL; Silt, silty clay, brick, some fine to coarse angular gravel.		ND/ >.999	Dry ↓			
2												
3						Boring ended at 2 0' BGS						
4						Refusal on bedrock.						
5												
6												
7												
8												
9												
10												
11												
12												
COMMENTS: Boring advanced with a Geoprobe 5400 utilizing a 4' x 2" diameter Macro core. Samples collected for laboratory analysis for mercury, 0-2", composite from 2" to top of native and top of native.										PROJECT NO. 41567053.40000		
										BORING NO. SB-73		

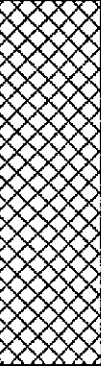
URS Corporation										TEST BORING LOG		
PROJECT: Niacet VCA										BORING NO: SB-74		
CLIENT: Dow Chemical Corporation										SHEET: 1 of 1		
BORING CONTRACTOR: MARCOR Remediation, Inc.										JOB NO.: 41567053.40000		
GROUNDWATER:										BORING LOCATION:		
					CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:			
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore			DATE STARTED: 05/18/04			
				DIA.		2"			DATE FINISHED: 05/18/04			
				WT.					DRILLER: J. Agar			
				FALL		4'			GEOLOGIST: J. Doerr/R. Murphy			
					* POCKET PENETROMETER READING				REVIEWED BY:			
DEPTH FEET	SAMPLE					DESCRIPTION			REMARKS			
	STRATA	NO.	TYPE	RECOVERY %	COLOR	MATERIAL DESCRIPTION		USCS	PID/MVA	MOISTURE		
1		1	Macro Core	75%	Gray	0.0-1.1: FILL; Silty, coarse subangular crushed stone gravel, some fine gravel.			ND/ 0.030	Dry		
2						1.0-3 5.FILL; Silty clay						
3					Red Brown							
4						Boring ended at 3.5' BGS						
5						Refusal on bedrock.						
6												
7												
8												
9												
10												
11												
12												

COMMENTS: Boring advanced with a Geoprobe 5400 utilizing a 4' x 2" diameter Macro core. Samples collected for laboratory analysis for mercury, 0-2", composite from 2" to top of native and top of native.										PROJECT NO. 41567053.40000	
										BORING NO. SB-74	

URS Corporation										TEST BORING LOG			
PROJECT: Niacet VCA										BORING NO: SB-75			
CLIENT: Dow Chemical Corporation										SHEET: 1 of 1			
BORING CONTRACTOR: MARCOR Remediation, Inc.										JOB NO.: 41567053.40000			
GROUNDWATER:										BORING LOCATION:			
					CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:				
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore			DATE STARTED: 05/21/04				
				DIA.		2"			DATE FINISHED: 05/21/04				
				WT.					DRILLER: J. Agar				
				FALL		4'			GEOLOGIST: J. Doerr/R. Murphy				
* POCKET PENETROMETER READING										REVIEWED BY:			
DEPTH FEET	SAMPLE					DESCRIPTION			REMARKS				
	STRATA	NO.	TYPE	RECOVERY %	COLOR	MATERIAL DESCRIPTION	USCS	PID/MVA	MOISTURE				
1		1	Macro Core	80%	Gray	0.0-0.4: FILL; Silty, coarse, some fine gravel		ND/ > 999	Dry				
						0.4-2.0: FILL; Silty Clay, trace cinder, brick.							
2					Red Brown ↓		V.Br	ND/ 0.173	↓				
						Gray				2.0-2.5: Weathered dolomite bedrock.			
3						Boring ended at 2 5' BGS							
4						Refusal on bedrock.							
5													
6													
7													
8													
9													
10													
11													
12													
COMMENTS: Boring advanced with a Geoprobe 5400 utilizing a 4' x 2" diameter										PROJECT NO. 41567053.40000			
Macro core. Samples collected for laboratory analysis for mercury, 0-2", composite										BORING NO. SB-75			
from 2" to top of native and top of native.													

URS Corporation										TEST BORING LOG		
PROJECT: Niacet VCA										BORING NO: SB-76		
CLIENT: Dow Chemical Corporation										SHEET: 1 of 1		
BORING CONTRACTOR: MARCOR Remediation, Inc.										JOB NO.: 41567053.40000		
GROUNDWATER:										BORING LOCATION:		
					CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:			
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore			DATE STARTED: 05/21/04			
				DIA.		2"			DATE FINISHED: 05/21/04			
				WT.					DRILLER: J. Agar			
				FALL		4'			GEOLOGIST: J. Doerr/R. Murphy			
* POCKET PENETROMETER READING										REVIEWED BY:		
DEPTH FEET	SAMPLE					DESCRIPTION			REMARKS			
	STRATA	NO.	TYPE	RECOVERY %	COLOR	MATERIAL DESCRIPTION	USCS	PID/MVA		MOISTURE		
	X	1	Macro Core	50%	Gray	0.0-0.7: FILL; Silty, coarse subangular crushed stone gravel, some fine gravel		ND/ 0.013		Dry		
1					Brown	0.7-4.5: FILL; Silty Clay, some fine to coarse sand, fine to coarse angular to subangular gravel, and possible cobble based on drilling observations.				Moist		
2												
3												
4												
		2	Macro Core	80%				ND/ 0.008				
5					Gray	4.5-5.0' Weathered Dolomite Bedrock	V.Br	0.013				
6						Boring ended at 5.0' BGS						
7						Refusal on bedrock						
8												
9												
10												
11												
12												
COMMENTS: Boring advanced with a Geoprobe 5400 utilizing a 4" x 2" diameter Macro core. Samples collected for laboratory analysis for mercury, 0-2", composite from 2" to top of native and top of native.										PROJECT NO. 41567053.40000		
										BORING NO. SB-76		

URS Corporation										TEST BORING LOG		
PROJECT: Niacet VCA										BORING NO: SB-77		
CLIENT: Dow Chemical Corporation										SHEET: 1 of 1		
BORING CONTRACTOR: MARCOR Remediation, Inc.										JOB NO.: 41567053.40000		
GROUNDWATER:										BORING LOCATION:		
					CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:			
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore			DATE STARTED: 05/18/04			
				DIA.		2"			DATE FINISHED: 05/18/04			
				WT.					DRILLER: J. Agar			
				FALL		4'			GEOLOGIST: J. Doerr/R. Murphy			
* POCKET PENETROMETER READING										REVIEWED BY:		
DEPTH FEET	SAMPLE					DESCRIPTION			REMARKS			
	STRATA	NO.	TYPE	RECOVERY %	COLOR	MATERIAL DESCRIPTION	USCS	REMARKS				
								PID/MVA	MOISTURE			
		1	Macro Core	50%	Gray	0.0-2.0: FILL; Silt, silty clay, cinder, brick, ash, some fine to coarse angular gravel		ND/ 0.027	Dry			
1												
2												
3						Boring ended at 2.0' BGS						
4						Refusal on bedrock.						
5												
6												
7												
8												
9												
10												
11												
12												
COMMENTS: Boring advanced with a Geoprobe 5400 utilizing a 4' x 2" diameter Macro core. Samples collected for laboratory analysis for mercury, 0-2", composite from 2" to top of native and top of native.										PROJECT NO. 41567053.40000		
										BORING NO. SB-77		

URS Corporation										TEST BORING LOG	
PROJECT: Niacet VCA										BORING NO: SB-78	
CLIENT: Dow Chemical Corporation										SHEET: 1 of 1	
BORING CONTRACTOR: MARCOR Remediation, Inc										JOB NO.: 41567053.40000	
GROUNDWATER:										BORING LOCATION:	
					CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:		
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore			DATE STARTED: 05/25/04		
				DIA.		2"			DATE FINISHED: 05/25/04		
				WT.					DRILLER: J. Agar		
				FALL		4'			GEOLOGIST: J. Doerr/R. Murphy		
* POCKET PENETROMETER READING										REVIEWED BY:	
DEPTH FEET	SAMPLE					DESCRIPTION			REMARKS		
	STRATA	NO.	TYPE	RECOVERY %	COLOR	MATERIAL DESCRIPTION		USCS	PID/MVA	MOISTURE	
		1	Macro Core	75%		0.0-0.3: Asphalt.			ND/ 0.004	Dry ↓ Moist	
1					Gray	0.3-1.6: FILL; Asphalt Sub base: Silty, fine to coarse subangular crushed stone gravel, and fine to coarse sand					
2					Red Brown	1.6-4.0 FILL; Silty Clay, some fine to coarse angular to subangular gravel.					
3											
4											
5						Boring ended at 4.0' BGS					
6						Refusal on bedrock.					
7											
8											
9											
10											
11											
12											
COMMENTS: Boring advanced with a Geoprobe 5400 utilizing a 4' x 2" diameter Macro core. Samples collected for laboratory analysis for mercury, 0-2", composite from 2" to top of native and top of native.										PROJECT NO. 41567053.40000	
										BORING NO. SB-78	

URS Corporation										TEST BORING LOG	
PROJECT: Niacet VCA										BORING NO: SB-79	
CLIENT: Dow Chemical Corporation										SHEET: 1 of 1	
BORING CONTRACTOR: MARCOR Remediation, Inc.										JOB NO.: 41567053.40000	
GROUNDWATER:										BORING LOCATION:	
					CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:		
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore			DATE STARTED: 05/19/04		
				DIA.		2"			DATE FINISHED: 05/19/04		
				WT.					DRILLER: J. Agar		
				FALL		4'			GEOLOGIST: J. Doerr/R. Murphy		
* POCKET PENETROMETER READING										REVIEWED BY:	
DEPTH FEET	STRATA	SAMPLE				DESCRIPTION			REMARKS		
		NO.	TYPE	RECOVERY %	COLOR	MATERIAL DESCRIPTION	USCS	PID/MVA	MOISTURE		
1		1	Macro Core	85%	Black	0.0-3.0. FILL; Silt, some clay, ash, cinder, clinker, brick, and fine to coarse gravel.		ND/ 0.000	Dry		
2											
3											
4											
5		2	Macro Core	25%		3.0-7.0. FILL; Silt, trace clay, some fine to coarse irregular shaped slag gravel.		ND/ 0.067	Moist		
6											
7											
8											
	SSSSSS				Brown	7.0-8.0: SILT, finely bedded, laminated	ML	ND/ 0.009			
	SSSSSS										
	SSSSSS										
9						Boring ended at 8.0' BGS					
10						Refusal on bedrock					
11											
12											

COMMENTS: Boring advanced with a Geoprobe 5400 utilizing a 4' x 2" diameter							PROJECT NO. 41567053.40000	
Macro core. Samples collected for laboratory analysis for mercury, 0-2", composite							BORING NO. SB-79	
from 2" to top of native and top of native.								

URS Corporation										TEST BORING LOG		
PROJECT: Niacet VCA										BORING NO: SB-80/MW-02		
CLIENT: Dow Chemical Corporation										SHEET: 1 of 1		
BORING CONTRACTOR: MARCOR Remediation, Inc.										JOB NO.: 41567053.40000		
GROUNDWATER:										BORING LOCATION:		
					CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:			
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore			DATE STARTED: 05/19/04			
				DIA.		2"			DATE FINISHED: 05/19/04			
				WT.					DRILLER: J. Agar			
				FALL		4'			GEOLOGIST: J. Doerr/R. Murphy			
* POCKET PENETROMETER READING										REVIEWED BY:		
DEPTH FEET	STRATA	SAMPLE				DESCRIPTION			REMARKS			
		NO.	TYPE	RECOVERY %	COLOR	MATERIAL DESCRIPTION	USCS	PID/MVA	MOISTURE			
1		1	Macro Core	70%	Brown	0.0-2.0: FILL; Fine to coarse crushed stone gravel, some fine to coarse sand and silt.		ND/ 0.219	Dry Moist Wet			
2					Gray					2.0-5.0: Mostly coarse crushed stone, very little fine gravel or other fill materials.		
3												
4												
5		2	Macro Core	40%		7.0-9.5: FILL; Pea Gravel		ND/ 0.027				
6												
7												
8		3	Macro Core	30%				ND/ 0.047				
9												
10						Boring ended at 9.5' BGS						
11						Refusal on bedrock. Set 1" PVC monitoring well MW-02 to 9.5' with a 5' screen						
12												

COMMENTS: Boring advanced with a Geoprobe 5400 utilizing a 4' x 2" diameter Macro core. Samples collected for laboratory analysis for mercury, 0-2", composite from 2" to top of native and top of native.	PROJECT NO. 41567053.40000
	BORING NO. SB-80/MW-02

URS Corporation										TEST BORING LOG	
PROJECT: Niacet VCA										BORING NO: SB-81	
CLIENT: Dow Chemical Corporation										SHEET: 1 of 1	
BORING CONTRACTOR: MARCOR Remediation, Inc.										JOB NO.: 41567053.40000	
GROUNDWATER:										BORING LOCATION:	
					CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:		
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore			DATE STARTED: 05/26/04		
				DIA.		2"			DATE FINISHED: 05/26/04		
				WT.					DRILLER: J. Agar		
				FALL		4'			GEOLOGIST: J. Doerr/R. Murphy		
* POCKET PENETROMETER READING										REVIEWED BY:	
DEPTH FEET	STRATA	NO.	TYPE	RECOVERY %	COLOR	DESCRIPTION		USCS	REMARKS		
						MATERIAL DESCRIPTION			PID/MVA	MOISTURE	
1	XXXXXX	1	Macro Core	70%	Dark Brown	0.0-0.8: FILL: Silt, coarse sand and fine to coarse angular gravel		ML	ND/ 0.000	Moist ↓	
2					Gray- Brown	0.8-2.0: FILL: Clayey silt, trace fine to coarse angular gravel					
3					Dark Brown	2.0-3.0: Loamy silt, some roots and organic detritus, former soil horizon					
4	SSSSSS	2	Macro Core	90%	Gray	3.8-8.0: SILT, some fine sand and clay			ND/ 0.000	Wet ↓ Moist ↓ Wet ↓	
5											
6											
7											
8											
9											
10											
11											
12					Boring ended at 8.0' BGS Boring completed as PZ-12						
9											
10				100							
11											
12											

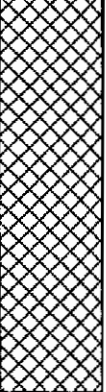
COMMENTS: Boring advanced with a Geoprobe 5400 utilizing a 4' x 2" diameter Macro core. Samples collected for laboratory analysis for mercury, 0-2", composite from 2" to top of native and top of native.	PROJECT NO. 41567053.40000 BORING NO. SB-81

URS Corporation										TEST BORING LOG	
PROJECT: Niacet VCA										BORING NO: SB-82	
CLIENT: Dow Chemical Corporation										SHEET: 1 of 1	
BORING CONTRACTOR: MARCOR Remediation, Inc.										JOB NO.: 41567053.40000	
GROUNDWATER:										BORING LOCATION:	
CAS. SAMPLER CORE TUBE										GROUND ELEVATION:	
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore				DATE STARTED:	05/26/04
				DIA.		2"				DATE FINISHED:	05/26/04
				WT.						DRILLER:	J. Agar
				FALL		4'				GEOLOGIST:	J. Doerr/R. Murphy
* POCKET PENETROMETER READING										REVIEWED BY:	
DEPTH		SAMPLE				DESCRIPTION				REMARKS	
FEET	STRATA	NO.	TYPE	RECOVERY %	COLOR	MATERIAL DESCRIPTION			USCS	PID/MVA	MOISTURE
					Black	0.0-0.3: FILL: Silt, some roots, organic detritus				ND/	Moist
					Gray	0.3-0.7: FILL; F-C sand and F-C crush gravel				0.000	
1					Red-Brown	0.7-3.7: FILL; Silty clay, trace fine angular gravel					
2		1	Macro Core	60%							
3										ND/	
										0.000	
4					Brown	3.7-8.0: FILL; Silty fine sand, trace clay					
5										ND/	Wet
6		2	Macro Core	75%						0.000	
7											
8										ND/	
										0.000	
9						Boring ended at 8.0' BGS Boring completed as PZ-13					
10				100							
11											
12											
COMMENTS: Boring advanced with a Geoprobe 5400 utilizing a 4' x 2" diameter Macro core. Samples collected for laboratory analysis for mercury, 0-2", composite from 2" to top of native and top of native.										PROJECT NO. 41567053.40000	
										BORING NO. SB-82	

URS Corporation										TEST BORING LOG			
PROJECT: Niacet VCA										BORING NO: SB-83			
CLIENT: Dow Chemical Corporation										SHEET: 1 of 1			
BORING CONTRACTOR: MARCOR Remediation, Inc.										JOB NO.: 41567053 40000			
GROUNDWATER:										BORING LOCATION:			
					CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:				
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore			DATE STARTED: 05/26/04				
				DIA.		2"			DATE FINISHED: 05/26/04				
				WT.					DRILLER: J. Agar				
				FALL		4'			GEOLOGIST: J. Doerr/R. Murphy				
* POCKET PENETROMETER READING										REVIEWED BY:			
DEPTH FEET	SAMPLE					DESCRIPTION			USCS	REMARKS			
	STRATA	NO.	TYPE	RECOVERY %	COLOR	MATERIAL DESCRIPTION		PID/MVA		MOISTURE			
		1	Macro Core	80%	Black	0.0-1 5: FILL; Silt, ash, cinder, clinker and brick			0.000	Dry			
1													
2					Red- Brown	1.5-4.0: FILL, Silty clay, some cinder, ash and fine to coarse angular gravel					0.009		
3											0.000		
4									0.006				
5						Boring completed at 4' BGS Boring advanced to examine for visible HG							
6													
7													
8													
9													
10													
11													
12													

COMMENTS: Boring advanced with a Geoprobe 5400 utilizing a 4' x 2" diameter Macro core. Samples collected for laboratory analysis for mercury, 0-2", composite from 2" to top of native and top of native.										PROJECT NO. 41567053.40000			
										BORING NO. SB-83			

URS Corporation										TEST BORING LOG		
PROJECT: Niacet VCA										BORING NO: SB-84		
CLIENT: Dow Chemical Corporation										SHEET: 1 of 1		
BORING CONTRACTOR: MARCOR Remediation, Inc.										JOB NO.: 41567053.40000		
GROUNDWATER:										BORING LOCATION:		
					CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:			
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore			DATE STARTED: 05/26/04			
				DIA.		2"			DATE FINISHED: 05/26/04			
				WT.					DRILLER: J. Agar			
				FALL		4'			GEOLOGIST: J. Doerr/R. Murphy			
* POCKET PENETROMETER READING										REVIEWED BY:		
DEPTH FEET	STRATA	SAMPLE				DESCRIPTION			REMARKS			
		NO.	TYPE	RECOVERY %	COLOR	MATERIAL DESCRIPTION	USCS	PID/MVA	MOISTURE			
1		1	Macro Core	45%	Black	0.0-2.5: FILL; Silty ash, cinder, clinker, brick		0.000	Moist			
2												
3												
4												
5		2	Macro Core	50%	Red- Brown	2.5-7.0: FILL; Silty clay, some cinder, slag, clinker		0.008				
6												
7												
8												
9												
10												
11												
12												
COMMENTS: Boring advanced with a Geoprobe 5400 utilizing a 4' x 2" diameter							PROJECT NO. 41567053.40000					
Macro core. Samples collected for laboratory analysis for mercury, 0-2", composite							BORING NO. SB-84					
from 2" to top of native and top of native.												

URS Corporation										TEST BORING LOG		
PROJECT: Niacet VCA										BORING NO: SB-85		
CLIENT: Dow Chemical Corporation										SHEET: 1 of 1		
BORING CONTRACTOR: MARCOR Remediation, Inc.										JOB NO.: 41567053.40000		
GROUNDWATER:										BORING LOCATION:		
					CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:			
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore			DATE STARTED: 05/26/04			
				DIA.		2"			DATE FINISHED: 05/26/04			
				WT.					DRILLER: J. Agar			
				FALL		4'			GEOLOGIST: J. Doerr/R. Murphy			
* POCKET PENETROMETER READING										REVIEWED BY:		
DEPTH FEET	SAMPLE					DESCRIPTION			REMARKS			
	STRATA	NO.	TYPE	RECOVERY %	COLOR	MATERIAL DESCRIPTION	USCS	PID/MVA	MOISTURE			
		1	Macro Core	50%	Black	0.0-3.6' FILL; Silty ash, cinder, clinker, and brick			Dry			
1												
2											0.189	
3											0.084	
4								Red- Brown	3.6-4.0' FILL; Silty clay, some cinder and brick		0.084	
5						Boring completed at 4' BGS Boring advanced to examine for visible HG						
6												
7												
8												
9												
10												
11												
12												

COMMENTS: Boring advanced with a Geoprobe 5400 utilizing a 4" x 2" diameter										PROJECT NO. 41567053.40000		
Macro core. Samples collected for laboratory analysis for mercury, 0-2", composite from 2" to top of native and top of native.										BORING NO. SB-85		

URS Corporation										TEST BORING LOG		
PROJECT: Niacet VCA										BORING NO: SB-86		
CLIENT: Dow Chemical Corporation										SHEET: 1 of 1		
BORING CONTRACTOR: MARCOR Remediation, Inc.										JOB NO.: 41567053.40000		
GROUNDWATER:										BORING LOCATION:		
					CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:			
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore			DATE STARTED: 05/26/04			
				DIA.		2"			DATE FINISHED: 05/26/04			
				WT.					DRILLER: J. Agar			
				FALL		4'			GEOLOGIST: J. Doerr/R. Murphy			
* POCKET PENETROMETER READING										REVIEWED BY:		
DEPTH FEET	SAMPLE					DESCRIPTION			REMARKS			
	STRATA	NO.	TYPE	RECOVERY %	COLOR	MATERIAL DESCRIPTION	USCS	PID/MVA		MOISTURE		
1		1	Macro Core	85%	Black	0.0-4.0: FILL; Fine to coarse sand and fine to coarse angular crushed stone gravel, some silt, ash, cinder, clinker, brick and clay		ND/ 0.000	0.005	Dry		
2												
3												
4					Red- Brown			ND/ 0.000	0.005			
5						Boring completed at 4' BGS Boring advanced to examine for visible HG						
6												
7												
8												
9												
10												
11												
12												
COMMENTS: Boring advanced with a Geoprobe 5400 utilizing a 4' x 2" diameter Macro core. Samples collected for laboratory analysis for mercury, 0-2", composite from 2" to top of native and top of native.										PROJECT NO. 41567053.40000		
										BORING NO. SB-86		

URS Corporation										TEST BORING LOG		
PROJECT: Niacet VCA										BORING NO: SB-87		
CLIENT: Dow Chemical Corporation										SHEET: 1 of 1		
BORING CONTRACTOR: MARCOR Remediation, Inc.										JOB NO.: 41567053.40000		
GROUNDWATER:										BORING LOCATION:		
					CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:			
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore			DATE STARTED: 05/26/04			
				DIA.		2"			DATE FINISHED: 05/26/04			
				WT.					DRILLER: J. Agar			
				FALL		4'			GEOLOGIST: J. Doerr/R. Murphy			
* POCKET PENETROMETER READING										REVIEWED BY:		
DEPTH FEET	SAMPLE					DESCRIPTION			REMARKS			
	STRATA	NO.	TYPE	RECOVERY %	COLOR	MATERIAL DESCRIPTION	USCS	PID/MVA	MOISTURE			
1		1	Macro Core	70%	Black	0 0-4.0: FILL; Silt, ash, granular cinder, coarse angular gravel, some silty clay		0.006	Dry			
2												
3												
4												
5					Red- Brown			0.000	Moist			
6						Boring completed at 4' BGS Boring advanced to examine for visible HG						
7												
8												
9												
10												
11												
12												

COMMENTS: Boring advanced with a Geoprobe 5400 utilizing a 4' x 2" diameter Macro core. Samples collected for laboratory analysis for mercury, 0-2", composite from 2" to top of native and top of native.	PROJECT NO. 41567053.40000
	BORING NO. SB-87

URS Corporation										TEST BORING LOG		
PROJECT: Niacet VCA										BORING NO: SB-88		
CLIENT: Dow Chemical Corporation										SHEET: 1 of 1		
BORING CONTRACTOR: MARCOR Remediation, Inc.										JOB NO.: 41567053.40000		
GROUNDWATER:										BORING LOCATION:		
					CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:			
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore			DATE STARTED: 05/26/04			
				DIA.		2"			DATE FINISHED: 05/26/04			
				WT.					DRILLER: J. Agar			
				FALL		4'			GEOLOGIST: J. Doerr/R. Murphy			
* POCKET PENETROMETER READING										REVIEWED BY:		
DEPTH FEET	SAMPLE					DESCRIPTION			REMARKS			
	STRATA	NO.	TYPE	RECOVERY %	COLOR	MATERIAL DESCRIPTION	USCS	PID/MVA	MOISTURE			
1		1	Macro Core	60%	Gray	0.0-0.5: Concrete		NR*	Moist ↓ Wet ↓			
					0.5-1.0: FILL; Fine to coarse sand and fine to coarse angular crushed stone gravel							
2					Black	1.0-2.7: FILL; Fine gravel, some silty ash, fine <1/4" Hg beads						
3						2.7-4.1: FILL; Silty clay, stained, soft Hg beads, up to 1/4" diameter						
4												
5		2	Macro Core	100%		Refusal on bedrock at 4.1' BGS						
						* No readings taken due to the presence of visible Hg						
6												
7												
8												
9												
10												
11												
12												
COMMENTS: Boring advanced with a Geoprobe 5400 utilizing a 4" x 2" diameter Macro core. Samples collected for laboratory analysis for mercury, 0-2", composite from 2" to top of native and top of native.										PROJECT NO. 41567053.40000		
										BORING NO. SB-88		

URS Corporation										TEST BORING LOG	
PROJECT: Niacet VCA										BORING NO: SB-88	
CLIENT: Dow Chemical Corporation										SHEET: 1 of 1	
BORING CONTRACTOR: MARCOR Remediation, Inc.										JOB NO.: 41567053.40000	
GROUNDWATER:										BORING LOCATION:	
					CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:		
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore			DATE STARTED: 05/26/04		
				DIA.		2"			DATE FINISHED: 05/26/04		
				WT.					DRILLER: J Agar		
				FALL		4'			GEOLOGIST: J. Doerr/R. Murphy		
* POCKET PENETROMETER READING										REVIEWED BY:	
DEPTH FEET	SAMPLE					DESCRIPTION			REMARKS		
	STRATA	NO.	TYPE	RECOVERY %	COLOR	MATERIAL DESCRIPTION	USCS	PID/MVA			
								MOISTURE			
					Gray	0 0-0 5: Concrete			Dry		
1						0.5-1.0: FILL; Fine to coarse sand and fine to coarse angular crushed stone gravel					
2		1	Macro Core	70%	Red-Brown	1.-4.0: FILL; Silty clay, some fine sand		NR*	Moist		
3						Visible Hg below 2.7', fine beads, less than 0.1" disseminated throughout sample					
4											
5						Refusal on bedrock at 4' BGS					
6						* No readings taken due to the presence of visible Hg					
7											
8											
9											
10											
11											
12											
COMMENTS: Boring advanced with a Geoprobe 5400 utilizing a 4' x 2" diameter Macro core. No samples were collected due to the presence of visible Mercury										PROJECT NO. 41567053.40000	
										BORING NO. SB-88	

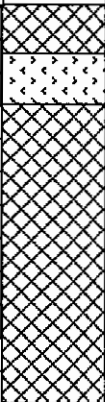
URS Corporation										TEST BORING LOG		
PROJECT: Niacet VCA										BORING NO: SB-90		
CLIENT: Dow Chemical Corporation										SHEET: 1 of 1		
BORING CONTRACTOR: MARCOR Remediation, Inc.										JOB NO.: 41567053.40000		
GROUNDWATER:										BORING LOCATION:		
					CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:			
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore			DATE STARTED: 05/27/04			
				DIA.		2"			DATE FINISHED: 05/27/04			
				WT.					DRILLER: J. Agar			
				FALL		4'			GEOLOGIST: J Doerr/R. Murphy			
					* POCKET PENETROMETER READING				REVIEWED BY:			
DEPTH FEET	SAMPLE					DESCRIPTION			USCS	REMARKS		
	STRATA	NO.	TYPE	RECOVERY %	COLOR	MATERIAL DESCRIPTION		PID/MVA		MOISTURE		
		1	Macro Core	75%	Black	0.0-0.7: FILL; Silty ash, fine to coarse sand and fine to coarse angular crushed stone gravel		0.426	↓	Dry		
1					Red- Brown	0.7-2.2: FILL; Silty clay, some fine sand						
2					2.2-2.7: FILL; Silty clay, some fine to medium sand							
3					2.7-4.0: FILL; Silty clay some medium sand							
4						Boring completed at 4' BGS						
5												
6												
7												
8												
9												
10												
11												
12												
COMMENTS: Boring advanced with a Geoprobe 5400 utilizing a 4' x 2" diameter										PROJECT NO. 41567053.40000		
Macro core Samples were collected for Hg analysis at: 0-2' and 2-4'										BORING NO. SB-90		

URS Corporation										TEST BORING LOG	
PROJECT: Niacet VCA										BORING NO: SB-91	
CLIENT: Dow Chemical Corporation										SHEET: 1 of 1	
BORING CONTRACTOR: MARCOR Remediation, Inc.										JOB NO.: 41567053.40000	
GROUNDWATER:										BORING LOCATION:	
					CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:		
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore			DATE STARTED: 05/27/04		
				DIA.		2"			DATE FINISHED: 05/27/04		
				WT.					DRILLER: J. Agar		
				FALL		4'			GEOLOGIST: J. Doerr/R. Murphy		
* POCKET PENETROMETER READING										REVIEWED BY:	
DEPTH FEET	SAMPLE					DESCRIPTION			REMARKS		
	STRATA	NO.	TYPE	RECOVERY %	COLOR	MATERIAL DESCRIPTION	USCS	MOISTURE			
								PID/MVA			
		1	Macro Core	80%	Brown	0.0-4.0: FILL; Silty fine to coarse sand and fine to coarse angular crushed stone gravel			Dry		
1											
2											
3											
4											
5						Boring completed at 4'BGS					
6											
7											
8											
9											
10											
11											
12											

COMMENTS: Boring advanced with a Geoprobe 5400 utilizing a 4" x 2" diameter Macro core. Samples were collected for Hg anaysis at: 0-2' and 2-4'										PROJECT NO. 41567053.40000	
										BORING NO. SB-91	

URS Corporation										TEST BORING LOG		
PROJECT: Niacet VCA										BORING NO: SB-92		
CLIENT: Dow Chemical Corporation										SHEET: 1 of 1		
BORING CONTRACTOR: MARCOR Remediation, Inc.										JOB NO.: 41567053.40000		
GROUNDWATER:										BORING LOCATION:		
					CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:			
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore			DATE STARTED: 05/27/04			
				DIA.		2"			DATE FINISHED: 05/27/04			
				WT.					DRILLER: J. Agar			
				FALL		4'			GEOLOGIST: J. Doerr/R. Murphy			
* POCKET PENETROMETER READING										REVIEWED BY:		
DEPTH FEET	SAMPLE					DESCRIPTION			REMARKS			
	STRATA	NO.	TYPE	RECOVERY %	COLOR	MATERIAL DESCRIPTION		USCS	PID/MVA	MOISTURE		
		1	Macro Core	60%	Gray	0.0-0.5: FILL; Silty fine to coarse sand and fine to coarse angular crushed stone gravel			>0.999	Dry		
1						0.5-1.0 FILL; Silty ash, concrete, brick and cinder				Moist		
2						1.0-4.0 FILL; Silty clay, some fine to coarse angular gravel						
3												
4					Red-Brown				0.003			
5						Boring completed at 4' BGS						
6												
7												
8												
9												
10												
11												
12												

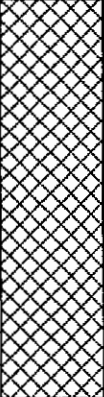
COMMENTS: Boring advanced with a Geoprobe 5400 utilizing a 4' x 2" diameter										PROJECT NO. 41567053.40000	
Macro core. Samples were collected for Hg analysis at: 0-2' and 2-4'										BORING NO. SB-92	

URS Corporation										TEST BORING LOG	
PROJECT: Niacet VCA										BORING NO: SB-93	
CLIENT: Dow Chemical Corporation										SHEET: 1 of 1	
BORING CONTRACTOR: MARCOR Remediation, Inc.										JOB NO.: 41567053.40000	
GROUNDWATER:										BORING LOCATION:	
					CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:		
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore			DATE STARTED: 05/27/04		
				DIA.		2"			DATE FINISHED: 05/27/04		
				WT.					DRILLER: J. Agar		
				FALL		4'			GEOLOGIST: J. Doerr/R. Murphy		
* POCKET PENETROMETER READING										REVIEWED BY:	
DEPTH FEET	SAMPLE					DESCRIPTION			REMARKS		
	STRATA	NO.	TYPE	RECOVERY %	COLOR	MATERIAL DESCRIPTION	USCS	MOISTURE			
								PID/MVA			
1		1	Macro Core	75%	Gray	0.0-0.5: FILL; Silty fine to coarse sand and fine to coarse angular crushed stone gravel	>0.999	Dry			
					0.5-1.0: Concrete pad	Moist					
2					Red-Brown	1.0-4.0: FILL; Silty clay, some fine to coarse angular gravel					
3											
4											
5						Boring completed at 4'BGS					
6											
7											
8											
9											
10											
11											
12											
COMMENTS: Boring advanced with a Geoprobe 5400 utilizing a 4' x 2" diameter Macro core. Samples were collected for Hg analysis at: 0-2' and 2-4'										PROJECT NO. 41567053.40000	
										BORING NO. SB-93	

URS Corporation										TEST BORING LOG	
PROJECT: Niacet VCA										BORING NO: SB-94	
CLIENT: Dow Chemical Corporation										SHEET: 1 of 1	
BORING CONTRACTOR: MARCOR Remediation, Inc.										JOB NO.: 41567053 40000	
GROUNDWATER:										BORING LOCATION:	
					CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:		
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore			DATE STARTED: 05/27/04		
				DIA.		2"			DATE FINISHED: 05/27/04		
				WT.					DRILLER: J. Agar		
				FALL		4'			GEOLOGIST: J. Doerr/R. Murphy		
* POCKET PENETROMETER READING										REVIEWED BY:	
DEPTH FEET	STRATA	SAMPLE				DESCRIPTION			REMARKS		
		NO.	TYPE	RECOVERY %	COLOR	MATERIAL DESCRIPTION	USCS	PID/MVA	MOISTURE		
		1	Macro Core	85%	Dark Gray	0.0-1.4: FILL; Silty ash, cinder and clinker		0.746	Dry		
					1	Brown			1.4-2.0: FILL; Silty fine sand	0.236	↓
2									2.0-2.9: FILL; Silt, some clay		
3											0.224
4					Boring completed at 2.9' BGS						
5											
6											
7											
8											
9											
10											
11											
12											

COMMENTS: Boring advanced with a Geoprobe 5400 utilizing a 4' x 2" diameter										PROJECT NO. 41567053.40000	
Macro core. Samples were collected for Hg analysis at: 0-2' and 2-4'										BORING NO. SB-94	

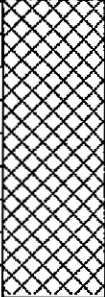
URS Corporation										TEST BORING LOG	
PROJECT: Niacet VCA										BORING NO: SB-95	
CLIENT: Dow Chemical Corporation										SHEET: 1 of 1	
BORING CONTRACTOR: MARCOR Remediation, Inc.										JOB NO.: 41567053.40000	
GROUNDWATER:										BORING LOCATION:	
					CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:		
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore			DATE STARTED: 05/27/04		
				DIA.		2"			DATE FINISHED: 05/27/04		
				WT.					DRILLER: J Agar		
				FALL		4'			GEOLOGIST: J. Doerr/R Murphy		
* POCKET PENETROMETER READING										REVIEWED BY:	
DEPTH FEET	SAMPLE					DESCRIPTION			REMARKS		
	STRATA	NO.	TYPE	RECOVERY %	COLOR	MATERIAL DESCRIPTION	USCS	MOISTURE			
								PID/MVA			
1		1	Macro Core	75%	Dark Gray	0.0-1.9: FILL; Silty ash, cinder, brick, fine to coarse sand and fine to coarse angular crushed stone gravel		0.047	Dry		
2					1.9-4.0: FILL; Silty clay, some fine to coarse angular gravel, cinder and brick	0.095		Moist			
3						0.043					
4						0.191					
5						Boring completed at 4" BGS					
6											
7											
8											
9											
10											
11											
12											
COMMENTS: Boring advanced with a Geoprobe 5400 utilizing a 4' x 2" diameter Macro core. Samples were collected for Hg analysis at: 1-2' and 2-3'										PROJECT NO. 41567053.40000	
										BORING NO. SB-95	

URS Corporation										TEST BORING LOG		
PROJECT: Niacet VCA										BORING NO: SB-96		
CLIENT: Dow Chemical Corporation										SHEET: 1 of 1		
BORING CONTRACTOR: MARCOR Remediation, Inc										JOB NO.: 41567053.40000		
GROUNDWATER:										BORING LOCATION:		
					CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:			
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore			DATE STARTED: 05/27/04			
				DIA.		2"			DATE FINISHED: 05/27/04			
				WT.					DRILLER: J. Agar			
				FALL		4'			GEOLOGIST: J. Doerr/R. Murphy			
* POCKET PENETROMETER READING										REVIEWED BY:		
DEPTH FEET	SAMPLE					DESCRIPTION			REMARKS			
	STRATA	NO.	TYPE	RECOVERY %	COLOR	MATERIAL DESCRIPTION	USCS	PID/MVA		MOISTURE		
1		1	Macro Core	100%	Dark Gray	0.0-1.9: FILL; Silty ash, cinder, brick, fine to coarse sand and fine to coarse angular crushed stone gravel		0.047		Dry		
2					Red- Brown	1.9-4.0: FILL; Silty clay, some fine to coarse angular gravel, cinder and brick		0.095		Moist		
3								0.043				
4								0.191				
5						Boring completed at 4' BGS						
6												
7												
8												
9												
10												
11												
12												

COMMENTS: Boring advanced with a Geoprobe 5400 utilizing a 4' x 2" diameter							PROJECT NO. 41567053.40000	
Macro core. Samples were collected for Hg analysis at: 0-2' and 2-4'							BORING NO. SB-96	

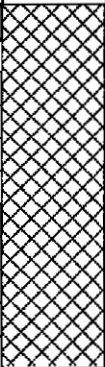
URS Corporation										TEST BORING LOG	
PROJECT: Niacet VCA										BORING NO: SB-97	
CLIENT: Dow Chemical Corporation										SHEET: 1 of 1	
BORING CONTRACTOR: MARCOR Remediation, Inc.										JOB NO.: 41567053.40000	
GROUNDWATER:										BORING LOCATION:	
					CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:		
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore			DATE STARTED: 05/27/04		
				DIA.		2"			DATE FINISHED: 05/27/04		
				WT.					DRILLER: J. Agar		
				FALL		4'			GEOLOGIST: J. Doerr/R. Murphy		
* POCKET PENETROMETER READING										REVIEWED BY:	
DEPTH FEET	SAMPLE					DESCRIPTION			REMARKS		
	STRATA	NO.	TYPE	RECOVERY %	COLOR	MATERIAL DESCRIPTION	USCS	MOISTURE			
								PID/MVA			
1		1	Macro Core	75%	Dark Gray	0.0-1.9: FILL; Silty ash, cinder, brick, fine to coarse sand and fine to coarse angular crushed stone gravel		0.048	Dry		
2					1.9-3.0: FILL, Silty clay, some fine to coarse angular gravel, cinder and brick	0.007		Moist			
3						0.028					
4					Refusal on bedrock at 3' BGS						
5											
6											
7											
8											
9											
10											
11											
12											

COMMENTS: Boring advanced with a Geoprobe 5400 utilizing a 4' x 2" diameter										PROJECT NO. 41567053.40000	
Macro core. Samples were collected for Hg anaysis at: 0-1' and 1-3'										BORING NO. SB-97	

URS Corporation										TEST BORING LOG		
PROJECT: Niacet VCA										BORING NO: SB-98		
CLIENT: Dow Chemical Corporation										SHEET: 1 of 1		
BORING CONTRACTOR: MARCOR Remediation, Inc.										JOB NO.: 41567053.40000		
GROUNDWATER:										BORING LOCATION:		
					CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:			
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore			DATE STARTED: 05/27/04			
				DIA.		2"			DATE FINISHED: 05/27/04			
				WT.					DRILLER: J. Agar			
				FALL		4'			GEOLOGIST: J. Doerr/R. Murphy			
* POCKET PENETROMETER READING										REVIEWED BY:		
DEPTH FEET	SAMPLE					DESCRIPTION			REMARKS			
	STRATA	NO.	TYPE	RECOVERY %	COLOR	MATERIAL DESCRIPTION		USCS	PID/MVA	MOISTURE		
1		1	Macro Core	80%	Dark Brown	0.0-06.: FILL; Silt, fine angular gravel, fine to coarse sand			ND/ 0.118	Moist ↓		
2					Red Brown	0.6-3.0. FILL. Silty Clay, trace fine angular gravel. Hard to soft.						
3												
4						Boring ended at 3' BGS						
5						Refusal on bedrock.						
6												
7												
8												
9												
10												
11												
12												
COMMENTS: Boring advanced with a Geoprobe 5400 utilizing a 4" x 2" diameter										PROJECT NO. 41567053 40000		
Macro core. Collected 0-1' for laboratory analysis of total mercury.										BORING NO. SB-98		

URS Corporation										TEST BORING LOG		
PROJECT: Niacet VCA										BORING NO: SB-99		
CLIENT: Dow Chemical Corporation										SHEET: 1 of 1		
BORING CONTRACTOR: MARCOR Remediation, Inc.										JOB NO.: 41567053.40000		
GROUNDWATER:										BORING LOCATION:		
					CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:			
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore			DATE STARTED: 05/27/04			
				DIA.		2"			DATE FINISHED: 05/27/04			
				WT.					DRILLER: J. Agar			
				FALL		4'			GEOLOGIST: J. Doerr/R. Murphy			
* POCKET PENETROMETER READING										REVIEWED BY:		
DEPTH FEET	SAMPLE					DESCRIPTION			REMARKS			
	STRATA	NO.	TYPE	RECOVERY %	COLOR	MATERIAL DESCRIPTION	USCS	MOISTURE				
								PID/MVA				
1		1	Macro Core	80%	Black	0-0.8' FILL; Silty Ash, fine angular gravel, cinder, some silty clay. VISIBLE MERCURY BEADS.		ND/ visible	Moist ↓			
2					Red Brown ↓	0.8-3.0' FILL; Silty Clay, some fine to coarse angular to subangular gravel. ↓						
3					↓	↓				↓		
4						Boring ended at 3' BGS Refusal on bedrock						
5						Note: Visible mercury beads were observed down the entire core, but not observed on the inner soils. This indicates carrydown from the 0-0.8' soils.						
6						A comparison of soils was requested by the NYSDEC, one sample from approximately 2.0' was collected after scraping of the exterior of the core (to remove visible mercury beads). A sample from 1.5' was collected without scraping the exterior of the core.						
7												
8												
9												
10												
11												
12												
COMMENTS: Boring advanced with a Geoprobe 5400 utilizing a 4' x 2" diameter										PROJECT NO. 41567053.40000		
Macro core. Collected samples at 1.5' and 2.0' for laboratory analysis of total mercury.										BORING NO. SB-99		

URS Corporation										TEST BORING LOG			
PROJECT: Niacet VCA										BORING NO: SB-100			
CLIENT: Dow Chemical Corporation										SHEET: 1 of 1			
BORING CONTRACTOR: MARCOR Remediation, Inc.										JOB NO.: 41567053.40000			
GROUNDWATER:										BORING LOCATION:			
					CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:				
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore			DATE STARTED: 05/27/04				
				DIA.		2"			DATE FINISHED: 05/27/04				
				WT.					DRILLER: J. Agar				
				FALL		4'			GEOLOGIST: J. Doerr/R. Murphy				
* POCKET PENETROMETER READING										REVIEWED BY:			
DEPTH FEET	SAMPLE					DESCRIPTION			REMARKS				
	STRATA	NO.	TYPE	RECOVERY %	COLOR	MATERIAL DESCRIPTION		USCS	PID/MVA	MOISTURE			
		1	Macro Core	60%	D. Gray	0-0.5: FILL; Silty Ash, fine angular gravel, cinder, some silty clay			ND/ 0.015- 0.000	Moist ↓			
1													
2											Red Brown ↓	0.5-3.0: FILL; Silty Clay, some fine to coarse angular to subangular gravel.	
3							Gray ↓				3.0-3.5: FILL; Clay with black mottles, trace silt reworked.		
4						Boring ended at 3.5' BGS							
5						Refusal on bedrock.							
6													
7													
8													
9													
10													
11													
12													
COMMENTS: Boring advanced with a Geoprobe 5400 utilizing a 4' x 2" diameter Macro core. Collected samples at 1' and 2' for laboratory analysis of total mercury.										PROJECT NO. 41567053.40000			
										BORING NO. SB-100			

URS Corporation										TEST BORING LOG		
PROJECT: Niacet VCA										BORING NO: SB-101		
CLIENT: Dow Chemical Corporation										SHEET: 1 of 1		
BORING CONTRACTOR: MARCOR Remediation, Inc.										JOB NO.: 41567053.40000		
GROUNDWATER:										BORING LOCATION:		
					CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:			
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore			DATE STARTED: 05/27/04			
				DIA.		2"			DATE FINISHED: 05/27/04			
				WT.					DRILLER: J. Agar			
				FALL		4'			GEOLOGIST: J. Doerr/R. Murphy			
* POCKET PENETROMETER READING										REVIEWED BY:		
DEPTH FEET	SAMPLE					DESCRIPTION			REMARKS			
	STRATA	NO.	TYPE	RECOVERY %	COLOR	MATERIAL DESCRIPTION	USCS	MOISTURE				
								PID/MVA				
1		1	Macro Core	55%	D. Gray ↓	0-1.5: FILL; Silt, fine to coarse sand, some silty clay.		ND/ 0.040	Moist ↓			
2					Brown to R. Brown ↓	1.5-3.5: FILL, Hard Silt to Silty Clay, some fine to coarse angular gravel		dry ↓				
3												
4						Boring ended at 3.5' BGS						
5						Refusal on bedrock.						
6												
7												
8												
9												
10												
11												
12												

COMMENTS: Boring advanced with a Geoprobe 5400 utilizing a 4' x 2" diameter							PROJECT NO. 41567053.40000	
Macro core. Collected samples from 0-1', 1-2', and 2-3' for laboratory analysis of total mercury.							BORING NO. SB-101	

URS Corporation										TEST BORING LOG		
PROJECT: Niacet VCA										BORING NO: SB-102		
CLIENT: Dow Chemical Corporation										SHEET: 1 of 1		
BORING CONTRACTOR: MARCOR Remediation, Inc.										JOB NO.: 41567053.40000		
GROUNDWATER:										BORING LOCATION:		
					CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:			
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore			DATE STARTED: 05/27/04			
				DIA.		2"			DATE FINISHED: 05/27/04			
				WT.					DRILLER: J Agar			
				FALL		4'			GEOLOGIST: J. Doerr/R. Murphy			
* POCKET PENETROMETER READING										REVIEWED BY:		
DEPTH FEET	SAMPLE					DESCRIPTION			REMARKS			
	STRATA	NO.	TYPE	RECOVERY %	COLOR	MATERIAL DESCRIPTION		USCS	MOISTURE			
									PID/MVA			
		1	Macro Core	60%	D. Gray to Brown	0-0.3: Concrete.			ND/	Moist		
					0.3-1.5. FILL; Silt with medium sand to fine angular to subangular gravel.		0.066					
1												
2												
3					Brown	1.5-3.9: FILL; Silty Clay, some fine to coarse angular gravel.			ND/			
4						-black staining 2.8'-3.0'			0.064			
5						Boring ended at 3.9' BGS						
6						Refusal on bedrock.						
7												
8												
9												
10												
11												
12												
COMMENTS: Boring advanced with a Geoprobe 5400 utilizing a 4" x 2" diameter Macro core. Collected samples from 0-2', and 2-3.9' for laboratory analysis of total mercury.										PROJECT NO. 41567053.40000		
										BORING NO. SB-102		

URS Corporation										TEST BORING LOG		
PROJECT: Niacet VCA										BORING NO: SB-103		
CLIENT: Dow Chemical Corporation										SHEET: 1 of 1		
BORING CONTRACTOR: MARCOR Remediation, Inc.										JOB NO.: 41567053.40000		
GROUNDWATER:										BORING LOCATION:		
					CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:			
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore			DATE STARTED: 05/27/04			
				DIA.		2"			DATE FINISHED: 05/27/04			
				WT.					DRILLER: J. Agar			
				FALL		4'			GEOLOGIST: J. Doerr/R. Murphy			
* POCKET PENETROMETER READING										REVIEWED BY:		
DEPTH FEET	SAMPLE					DESCRIPTION			USCS	REMARKS		
	STRATA	NO.	TYPE	RECOVERY %	COLOR	MATERIAL DESCRIPTION		PID/MVA		MOISTURE		
1		1	Macro Core	75%	D. Gray to Brown	0-0.4: Concrete. 0.4-1.2: FILL; Silt with medium to coarse sand.		ND/ 0.020	Wet Moist			
2					D. Gray	1 2-4.0' FILL; Silt, some coarse sand, trace to some clay.				ND/ 0.049		
3											ND/ 0.017	
4												
5				Boring ended at 4 0' BGS								
6					Refusal on bedrock							
7												
8												
9												
10												
11												
12												
COMMENTS: Boring advanced with a Geoprobe 5400 utilizing a 4' x 2" diameter Macro core. Collected samples from 0-2', and 2-4' for laboratory analysis of total mercury										PROJECT NO. 41567053.40000		
										BORING NO. SB-103		

URS Corporation										TEST BORING LOG		
PROJECT: Niacet VCA										BORING NO: SB-104		
CLIENT: Dow Chemical Corporation										SHEET: 1 of 1		
BORING CONTRACTOR: MARCOR Remediation, Inc.										JOB NO.: 41567053.40000		
GROUNDWATER:										BORING LOCATION:		
					CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:			
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore			DATE STARTED: 05/27/04			
				DIA.		2"			DATE FINISHED: 05/27/04			
				WT.					DRILLER: J. Agar			
				FALL		4'			GEOLOGIST: J. Doerr/R. Murphy			
* POCKET PENETROMETER READING										REVIEWED BY:		
DEPTH FEET	SAMPLE					DESCRIPTION			REMARKS			
	STRATA	NO.	TYPE	RECOVERY %	COLOR	MATERIAL DESCRIPTION	USCS	PID/MVA		MOISTURE		
1		1	Macro Core	60%	D. Gray ↓	0-2.0: FILL; Medium to coarse sand, some fine angular gravel and silt. ↓		ND/ 0.003	↓	moist to dry dry ↓		
2						2.0-4.0: FILL; Silty Clay and fine to coarse angular gravel Bedrock in shoe.						
3												
4												
5						Boring ended at 4.0' BGS						
6						Refusal on bedrock.						
7												
8												
9												
10												
11												
12												

COMMENTS: Boring advanced with a Geoprobe 5400 utilizing a 4' x 2" diameter Macro core. Collected samples from 0-2', and 2-4' for laboratory analysis of total mercury.										PROJECT NO. 41567053.40000		
										BORING NO. SB-104		

URS Corporation										TEST BORING LOG		
PROJECT: Niacet VCA										BORING NO: SB-105		
CLIENT: Dow Chemical Corporation										SHEET: 1 of 1		
BORING CONTRACTOR: MARCOR Remediation, Inc.										JOB NO.: 41567053.40000		
GROUNDWATER:										BORING LOCATION:		
CAS.						SAMPLER		CORE	TUBE	GROUND ELEVATION:		
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore				DATE STARTED: 05/27/04		
				DIA.		2"				DATE FINISHED: 05/27/04		
				WT.						DRILLER: J. Agar		
				FALL		4'				GEOLOGIST: J Doerr/R. Murphy		
* POCKET PENETROMETER READING										REVIEWED BY:		
DEPTH FEET	SAMPLE					DESCRIPTION				REMARKS		
	STRATA	NO.	TYPE	RECOVERY %	COLOR	MATERIAL		USCS	PID/MVA			
						DESCRIPTION			MOISTURE			
1		1	Macro Core	100%	Dark Brown ↓	0-2.0: FILL; Silt, some fine to coarse sand, fine to coarse angular to subangular gravel, red brick, cinder, ash. ↓			ND/ 0.000- 0.102	moist to dry ↓		
2												
3						Boring ended at 2.0' BGS						
4						Refusal on bedrock.						
5						Note: One MVA reading of 0.102 mg/m3, most other readings near or at 0 Could not replicate the 0.102 reading.						
6												
7												
8												
9												
10												
11												
12												
COMMENTS: Boring advanced with a Geoprobe 5400 utilizing a 4' x 2" diameter										PROJECT NO. 41567053.40000		
Macro core Collected sample from 0-2' for laboratory analysis of total mercury.										BORING NO. SB-105		

URS Corporation										TEST BORING LOG		
PROJECT: Niacet VCA										BORING NO: SB-106		
CLIENT: Dow Chemical Corporation										SHEET: 1 of 1		
BORING CONTRACTOR: MARCOR Remediation, Inc.										JOB NO.: 41567053.40000		
GROUNDWATER:										BORING LOCATION:		
					CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:			
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore			DATE STARTED: 05/27/04			
				DIA.		2"			DATE FINISHED: 05/27/04			
				WT.					DRILLER: J. Agar			
				FALL		4'			GEOLOGIST: J. Doerr/R. Murphy			
* POCKET PENETROMETER READING										REVIEWED BY:		
DEPTH FEET	SAMPLE					DESCRIPTION			REMARKS			
	STRATA	NO.	TYPE	RECOVERY %	COLOR	MATERIAL DESCRIPTION	USCS	PID/MVA	MOISTURE			
1		1	Macro Core	80%	Black	0.0-1.6: FILL; Silty ash and cinder, some fine angular gravel	ND/ 0.000		Dry			
2					Red- Brown	1 6-3.5: FILL; Silty clay, some fine to coarse angular gravel			Moist			
3												
4						Refusal on bedrock at 3.5' BGS						
5												
6												
7												
8												
9												
10												
11												
12												

COMMENTS: Boring advanced with a Geoprobe 5400 utilizing a 4' x 2" diameter Macro core. Samples collected for laboratory analysis for mercury, 0-2", composite from 2" to top of native and top of native.	PROJECT NO. 41567053.40000
	BORING NO. SB-106

URS Corporation										TEST BORING LOG		
PROJECT: Niacet VCA										BORING NO: SB-107		
CLIENT: Dow Chemical Corporation										SHEET: 1 of 1		
BORING CONTRACTOR: MARCOR Remediation, Inc										JOB NO.: 41567053.40000		
GROUNDWATER:										BORING LOCATION:		
					CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:			
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore			DATE STARTED: 05/17/04			
				DIA.		2"			DATE FINISHED: 05/17/04			
				WT.					DRILLER: J. Agar			
				FALL		4'			GEOLOGIST: J. Doerr/R. Murphy			
* POCKET PENETROMETER READING										REVIEWED BY:		
DEPTH FEET	STRATA	SAMPLE				DESCRIPTION			REMARKS			
		NO.	TYPE	RECOVERY %	COLOR	MATERIAL DESCRIPTION	USCS	PID/MVA	MOISTURE			
1		1	Macro Core	75%	Dark Brown	0.0-0.4: FILL, Loamy silt, some coal 0.4-1.9: FILL; Fine to coarse sand, some silt and slag		ND/ 0.014	Moist			
2					Red- Brown	1.9-4.0: FILL; Silty clay, some fine to coarse angular gravel						
3												
4												
5		2	Macro Core	60%		4.0-6.2: FILL; Silt to silty clay, some brick, and concrete		2.30 0.008				
6												
7					Brown	6.2-9.0: FILL, Fine to coarse sand and fine to coarse gravel, brick, concrete, some silt						
8												
9		3	Macro Core	100% (2' of 2')				ND/ 0.002				
10					Gray	9.0-10.0: SILTY CLAY, and fine to coarse dolomite gravel, some fine to coarse sand				CL	ND/ 0.000	Moist
11						Refusal on bedrock at 10' BGS Boring completed as MW-01						
12												

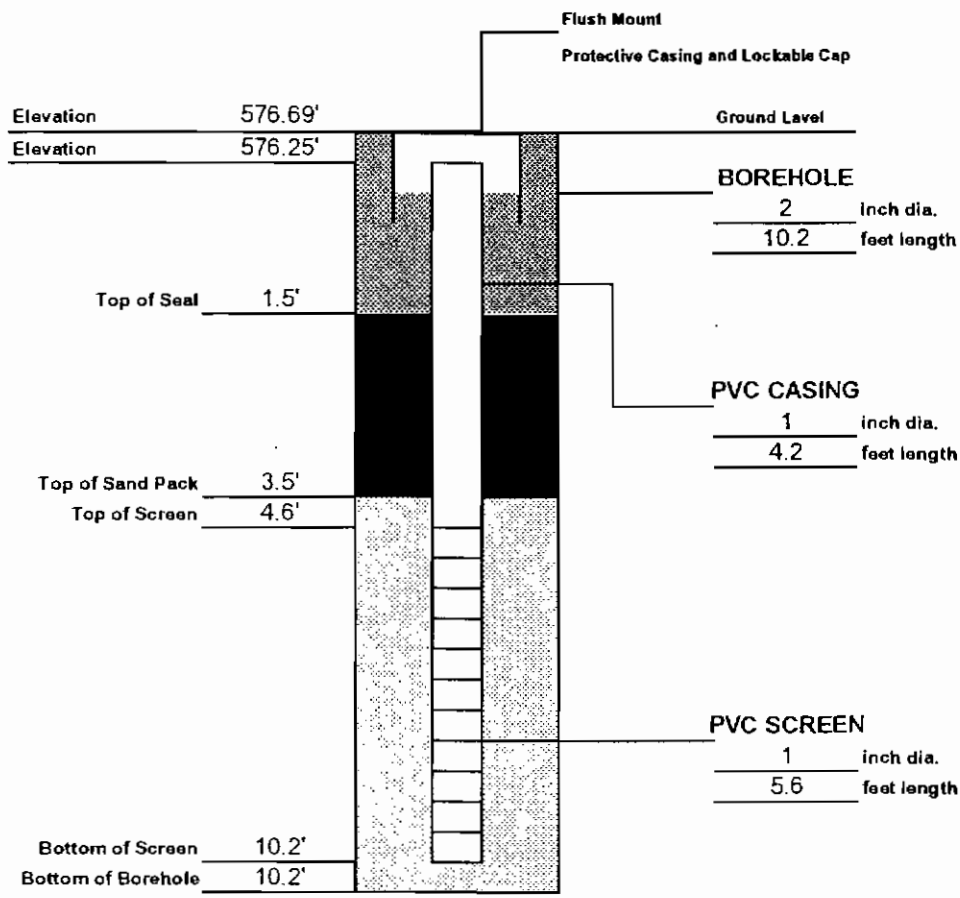
COMMENTS: Boring advanced with a Geoprobe 5400 utilizing a 4' x 2" diameter Macro core. Samples collected for laboratory analysis for mercury, 0-2", composite from 2" to top of native and top of native.	PROJECT NO. 41567053.40000
	BORING NO. SB-107

APPENDIX B

MONITORING WELL CONSTRUCTION DETAILS

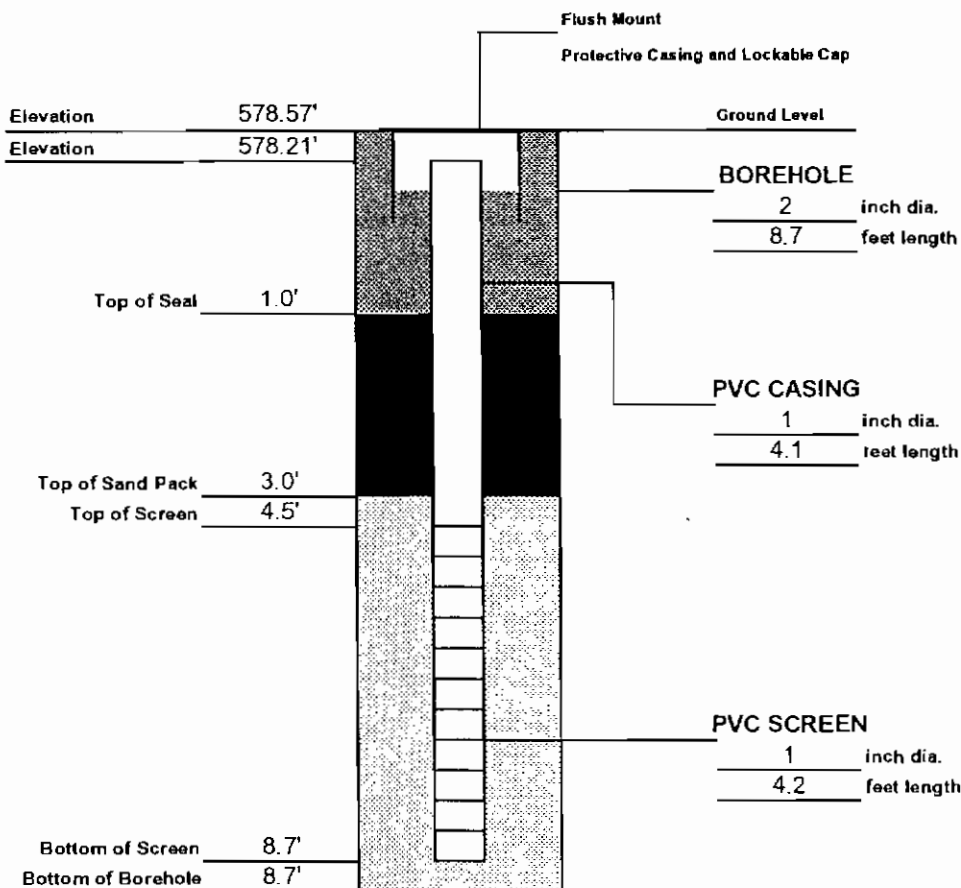
DRILLING SUMMARY	
Geologist: John Doerr/Rob Murphy	
Drilling Company: MARCOR Remediation, Inc.	
Driller: Jim Agar	
Rig Make/Model: Geoprobe 5400	
Date: 5/17/2004	
GEOLOGIC LOG	
Depth(ft.)	Description
WELL DESIGN	
CASING MATERIAL	SCREEN MATERIAL
Surface: 8" Steel road box	Type: 1" Sch. 40 PVC
Monitor: 1" Sch 40 PVC	Slot-Size: .010"
FILTER MATERIAL	
Type: #2 Sand Setting: 10.15' - 3.5'	
SEAL MATERIAL	
Type: Bentonite Pellets Setting: 3.5' - 1.5'	
LEGEND	
Cemen/Bentonite Grout Bentonite Seal Silica Sandpack	
COMMENTS:	
Client: Dow Chemical Corporation	Location: Niacet
Project No.: 41567053.40000	Well Number: MW-01
URS Corporation	MONITORING WELL CONSTRUCTION DETAILS

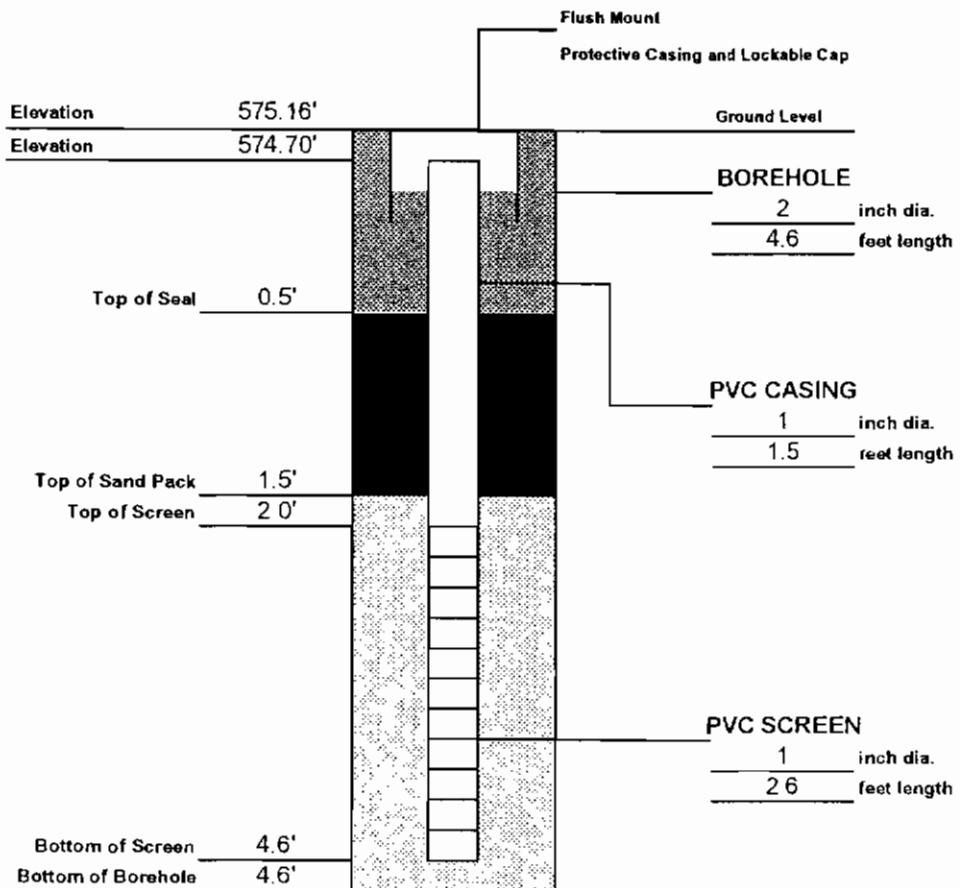
DEPTH



DRILLING SUMMARY		
Geologist: John Doerr/Rob Murphy		
Drilling Company: MARCOR Remediation, Inc.		
Driller: Jim Agar		
Rig Make/Model: Geoprobe 5400		
Date: 5/19/2004		
GEOLOGIC LOG		
Depth(ft.)	Description	
WELL DESIGN		
CASING MATERIAL Surface: 8" Steel road box Monitor: 1" Sch. 40 PVC	SCREEN MATERIAL Type: 1" Sch. 40 PVC Slot Size: .010"	FILTER MATERIAL Type: #2 Sand Setting: 8.6' - 3' SEAL MATERIAL Type: Bentonite Pellets Setting: 3' - 1'
COMMENTS: 		LEGEND Cement/Bentonite Grout Bentonite Seal Silica Sandpack
Client: Dow Chemical Corporation URS Corporation	Location: Niacet MONITORING WELL CONSTRUCTION DETAILS	Project No.: 41567053.40000 Well Number: MW-02

DEPTH



DRILLING SUMMARY			
Geologist: John Doerr/Rob Murphy		 The diagram shows a cross-section of a monitoring well. At the top, there is a 'Flush Mount' and 'Protective Casing and Lockable Cap'. The 'Ground Level' is indicated. The 'BOREHOLE' has a diameter of 2 inches and a length of 4.6 feet. Below the borehole is the 'PVC CASING' with a diameter of 1 inch and a length of 1.5 feet. At the bottom is the 'PVC SCREEN' with a diameter of 1 inch and a length of 2.6 feet. The 'Top of Seal' is at 0.5' depth. The 'Top of Sand Pack' is at 1.5' depth. The 'Top of Screen' is at 2.0' depth. The 'Bottom of Screen' is at 4.6' depth. The 'Bottom of Borehole' is also at 4.6' depth. Elevation markers show 575.16' and 574.70'.	
Drilling Company: MARCOR Remediation, Inc.			
Driller: Jim Agar			
Rig Make/Model: Geoprobe 5400			
Date: 5/21/2004			
GEOLOGIC LOG		D E P T H	
Depth(ft.)	Description		
WELL DESIGN			
CASING MATERIAL		SCREEN MATERIAL	
Surface: 8" Steel road box	Type: 1" Sch. 40 PVC	FILTER MATERIAL	
Monitor: 1" Sch. 40 PVC	Slot Size: .010"	Type: #2 Sand Setting: 4.59' - 1.5'	
		SEAL MATERIAL	
		Type: Bentonite Pellets Setting: 1.5' - 0.5'	
COMMENTS:		LEGEND	
		Cement/Bentonite Grout Bentonite Seal Silica Sandpack	
Client: Dow Chemical Corporation		Location: Niacet	
Project No.: 41567053.40000		Well Number: MW-03	
URS Corporation		MONITORING WELL CONSTRUCTION DETAILS	

DRILLING SUMMARY	
Geologist: John Doerr/Rob Murphy	
Drilling Company: MARCOR Remediation, Inc.	
Driller: Jim Agar	
Rig Make/Model: Geoprobe 5400	
Date: 5/25/2004	
GEOLOGIC LOG	
Depth(ft.)	Description
WELL DESIGN	

DEPTH

Flush Mount
Protective Casing and Lockable Cap

Ground Level

Elevation 570.42'

Elevation 570.00'

BOREHOLE
2 inch dia.
7.0 feet length

Top of Seal 1.0'

PVC CASING
1 inch dia.
1.6 feet length

Top of Sand Pack 1.5'

Top of Screen 2.0'

PVC SCREEN
1 inch dia.
5.0 feet length

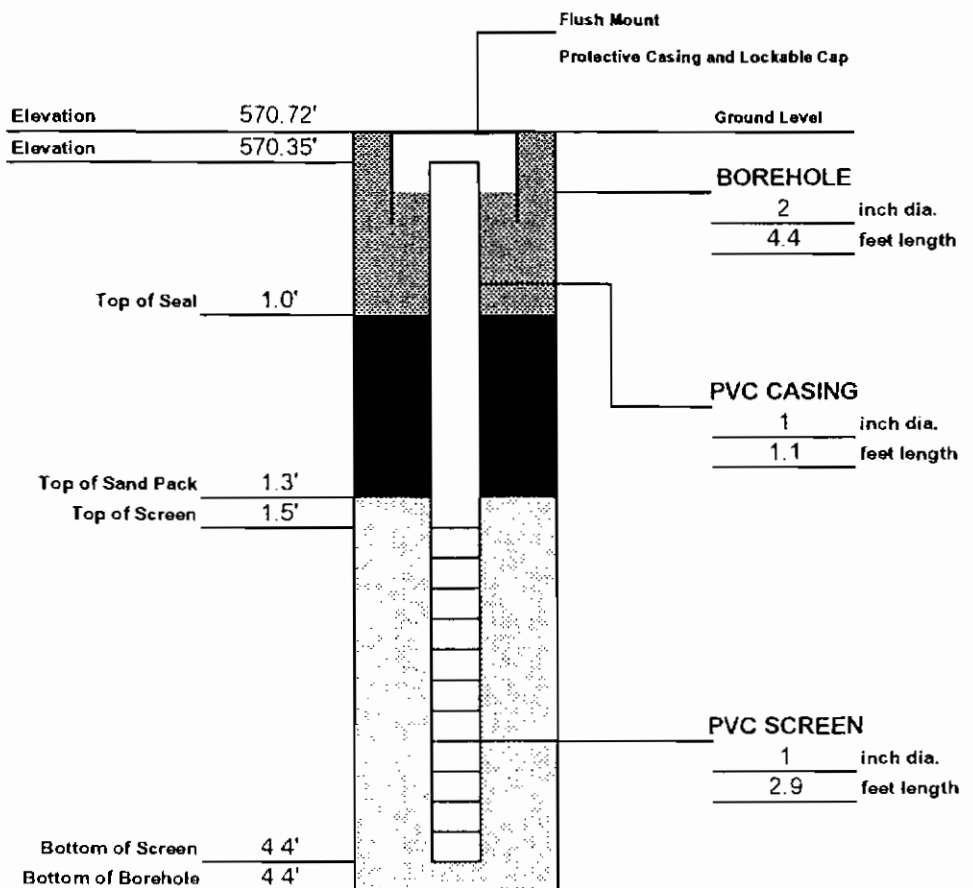
Bottom of Screen 7.0'

Bottom of Borehole 7.0'

CASING MATERIAL	SCREEN MATERIAL	FILTER MATERIAL
Surface: 8" Steel road box	Type: 1" Sch. 40 PVC	Type: #2 Sand Setting: 7' - 1.5'
Monitor: 1" Sch 40 PVC	Slot Size: .010"	SEAL MATERIAL
		Type: Bentonite Pellets Setting: 1.5' - 1'
COMMENTS:		LEGEND
		Cement/Bentonite Grout Bentonite Seal Silica Sandpack
Client: Dow Chemical Corporation	Location: Niacet	Project No.: 41567053.40000
URS Corporation	MONITORING WELL CONSTRUCTION DETAILS	Well Number: MW-04

DRILLING SUMMARY	
Geologist: John Doerr/Rob Murphy	
Drilling Company: MARCOR Remediation, Inc.	
Driller: Jim Agar	
Rig Make/Model: Geoprobe 5400	
Date: 5/25/2004	
GEOLOGIC LOG	
Depth(ft.)	Description
WELL DESIGN	
CASING MATERIAL	SCREEN MATERIAL
Surface: 8" Steel road box	Type: 1" Sch. 40 PVC
Monitor: 1" Sch. 40 PVC	Slot Size: .010"
COMMENTS:	
LEGEND	
Cement/Bentonite Grout Bentonite Seal Silica Sandpack	
Client: Dow Chemical Corporation	Location: Niacet
Project No.: 41567053.40000	Well Number: MW-05
URS Corporation	MONITORING WELL CONSTRUCTION DETAILS

DEPTH

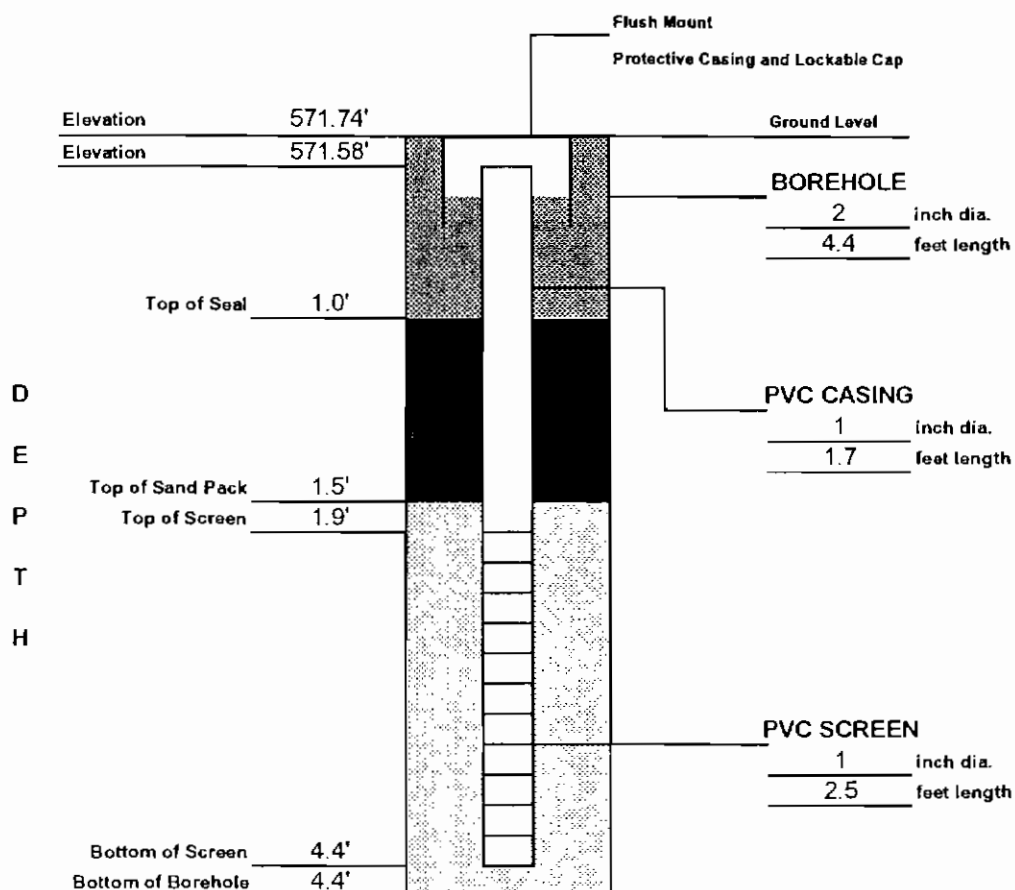


DRILLING SUMMARY										
Geologist: John Doerr/Rob Murphy										
Drilling Company: MARCOR Remediation, Inc.										
Driller: Jim Agar										
Rig Make/Model: Geoprobe 5400										
Date: 5/25/2004										
GEOLOGIC LOG										
Depth(ft.)	Description									
WELL DESIGN										
D E P T H										
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 33%;">CASING MATERIAL</th> <th style="width: 33%;">SCREEN MATERIAL</th> <th style="width: 33%;">FILTER MATERIAL</th> </tr> </thead> <tbody> <tr> <td>Surface: 8" Steel road box</td> <td>Type: 1" Sch. 40 PVC</td> <td>Type: #2 Sand Setting: 3.92' - 1.5'</td> </tr> <tr> <td>Monitor: 1" Sch. 40 PVC</td> <td>Slot Size: .010"</td> <td> SEAL MATERIAL Type: Bentonite Setting: 1.5' - 1' Pellets </td> </tr> </tbody> </table>		CASING MATERIAL	SCREEN MATERIAL	FILTER MATERIAL	Surface: 8" Steel road box	Type: 1" Sch. 40 PVC	Type: #2 Sand Setting: 3.92' - 1.5'	Monitor: 1" Sch. 40 PVC	Slot Size: .010"	SEAL MATERIAL Type: Bentonite Setting: 1.5' - 1' Pellets
CASING MATERIAL	SCREEN MATERIAL	FILTER MATERIAL								
Surface: 8" Steel road box	Type: 1" Sch. 40 PVC	Type: #2 Sand Setting: 3.92' - 1.5'								
Monitor: 1" Sch. 40 PVC	Slot Size: .010"	SEAL MATERIAL Type: Bentonite Setting: 1.5' - 1' Pellets								
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 65%;">COMMENTS:</th> <th style="width: 35%;">LEGEND</th> </tr> </thead> <tbody> <tr> <td style="height: 100px;"></td> <td> Cement/Bentonite Grout Bentonite Seal Silica Sandpack </td> </tr> </tbody> </table>		COMMENTS:	LEGEND		Cement/Bentonite Grout Bentonite Seal Silica Sandpack					
COMMENTS:	LEGEND									
	Cement/Bentonite Grout Bentonite Seal Silica Sandpack									
Client: Dow Chemical Corporation	Location: Niacet Project No.: 41567053.40000 Well Number: MW-06									
URS Corporation	MONITORING WELL CONSTRUCTION DETAILS									

Geologist:	John Doerr/Rob Murphy
Drilling Company:	MARCOR Remediation, Inc.
Driller:	Jim Agar
Rig Make/Model:	Geoprobe 5400
Date:	5/25/2004

Depth(ft.)	Description

CASING MATERIAL		SCREEN MATERIAL		FILTER MATERIAL	
Surface: 8" Steel road box Monitor: 1" Sch 40 PVC		Type: 1" Sch. 40 PVC Slot Size: .010"		Type: #2 Sand Setting: 4.4' - 1.5' SEAL MATERIAL Type: Bentonite Setting: 1.5' - 1' Pellets	
COMMENTS:				LEGEND	
				Cement/Bentonite Grout Bentonite Seal Silica Sandpack	
Client: Dow Chemical Corporation		Location: Niacet		Project No.: 41567053.40000	
URS Corporation		MONITORING WELL CONSTRUCTION DETAILS		Well Number: MW-07	



APPENDIX C

PEIZOMETER CONSTRUCTION DETAILS

DRILLING SUMMARY	
Geologist:	John Doerr/Rob Murphy
Contractor:	MARCOR Remediation, Inc.
Operator:	Jim Agar
Model:	Geoprobe 5400
Date:	5/10/2004

Ground Level 571.35'

Ground Level

Depth(ft.)	Description

DEPT H

1"	diameter
6.4'	length

~2 inches

Top of Screen	2.1'

1"	diameter
1.0'	length

Bottom of Borehole	3.1'

CASING MATERIAL	
Monitor:	1" Schedule 40 PVC

FILTER MATERIAL

Type:	#2 Well Sand
Setting:	3.1' - 1.6'

SEAL MATERIAL	
Type 1:	Bentonite Pellets
Setting:	1.6' - Surface

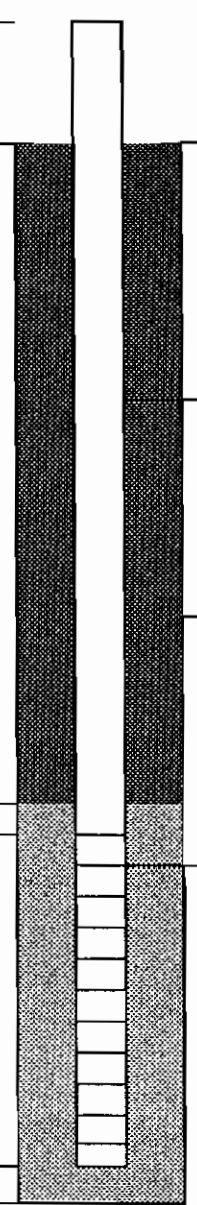
LEGEND

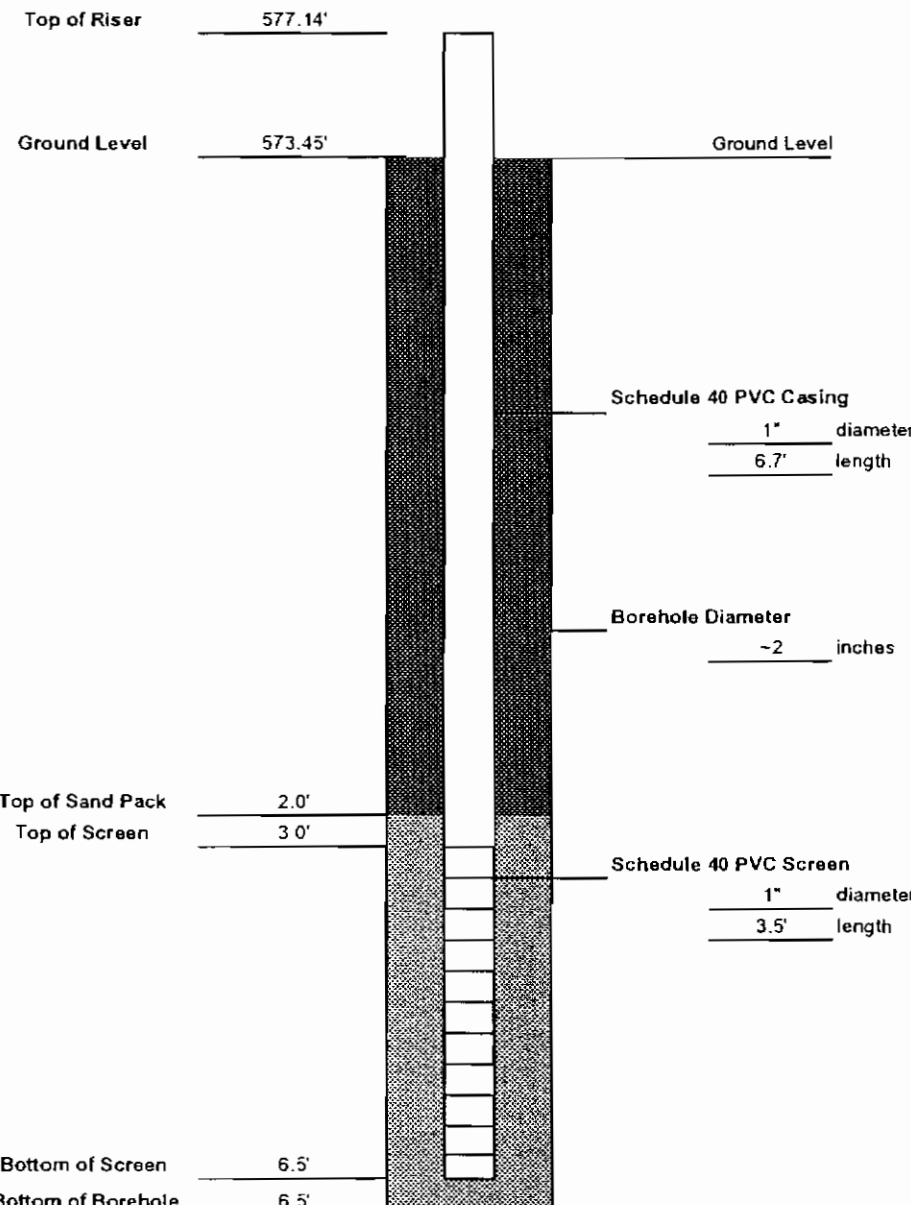
 Bentonite Seal

 Sand Pack

Project No.: 41567053.40000

Well Number: PZ-01

DRILLING SUMMARY	
Geologist:	John Doerr/Rob Murphy
Contractor:	MARCOR Remediation, Inc.
Operator:	Jim Agar
Model:	Geoprobe 5400
Date:	5/11/2004
GEOLOGIC LOG	
Depth(ft.)	Description
WELL DESIGN	
	Top of Riser 575.21' Ground Level 571.73' Top of Sand Pack 4.0' Top of Screen 6.6' Bottom of Screen 11.6' Bottom of Borehole 11.6' Ground Level Schedule 40 PVC Casing 1" diameter 10.1' length Borehole Diameter ~2 inches Schedule 40 PVC Screen 1" diameter 5.0' length 
CASING MATERIAL	SCREEN MATERIAL
Monitor: 1" Schedule 40 PVC	Type: 1" Schedule 40 PVC
	Slot Size: #10 Slot
FILTER MATERIAL	
Type: #2 Well Sand	
Setting: 11.63' - 4'	
SEAL MATERIAL	
Type 1: Bentonite Pellets	
Setting: 4' - Surface	
LEGEND	
Bentonite Seal Sand Pack	
COMMENTS:	
Client: Dow Chemical Company	Location: Niacet
Project No.: 41567053.40000	
URS Corporation	Well Number: PZ-02
PIEZOMETER CONSTRUCTION DETAILS	

DRILLING SUMMARY		 Schedule 40 PVC Casing 1" diameter 6.7' length Borehole Diameter ~2 inches Schedule 40 PVC Screen 1" diameter 3.5' length			
Geologist: John Doerr/Rob Murphy					
Contractor: MARCOR Remediation, Inc					
Operator: Jim Agar					
Model: Geoprobe 5400					
Date: 5/14/2004					
GEOLOGIC LOG		Top of Riser 577.14' Ground Level 573.45' Ground Level Top of Sand Pack 2.0' Top of Screen 3.0' Bottom of Screen 6.5' Bottom of Borehole 6.5'			
Depth(ft.)	Description				
WELL DESIGN					
CASING MATERIAL		SCREEN MATERIAL		FILTER MATERIAL	
Monitor: 1" Schedule 40 PVC		Type: 1" Schedule 40 PVC Slot Size: #10 Slot		Type: #2 Well Sand	
				Setting: 6.52' - 2'	
				SEAL MATERIAL	
				Type 1: Bentonite Pellets	
				Setting: 2' - Surface	
COMMENTS:				LEGEND	
				Bentonite Seal Sand Pack	
Client: Dow Chemical Company		Location: Niacet		Project No.: 41567053.40000	
URS Corporation		PIEZOMETER CONSTRUCTION DETAILS		Well Number: PZ-03	

DRILLING SUMMARY	
Geologist:	John Doerr/Rob Murphy
Contractor:	MARCOR Remediation, Inc.
Operator:	Jim Agar
Model:	Geoprobe 5400
Date:	5/13/2004
GEOLOGIC LOG	
Depth(ft.)	Description
WELL DESIGN	

Top of Riser 574.60'

Ground Level 572.37'

Top of Sand Pack 2.0'

Top of Screen 2.9'

Bottom of Screen 7.9'

Bottom of Borehole 7.9'

The diagram shows a vertical well casing (Schedule 40 PVC, 1" diameter, 5.1' length) extending from the ground level (572.37') down to a depth of 7.9'. A screen (Schedule 40 PVC, 1" diameter, 5.0' length) is located between 2.9' and 7.9' depth. The borehole diameter is approximately 2 inches. The well passes through a sand pack starting at 2.0' depth.

Schedule 40 PVC Casing
1" diameter
5.1' length

Borehole Diameter
~2 inches

Schedule 40 PVC Screen
1" diameter
5.0' length

CASING MATERIAL	SCREEN MATERIAL	FILTER MATERIAL
Monitor: 1" Schedule 40 PVC	Type: 1" Schedule 40 PVC	Type: #2 Well Sand Setting: 7.9' - 2'
	Slot Size: #10 Slot	SEAL MATERIAL
		Type 1: Bentonite Pellets Setting: 2' - Surface
COMMENTS:		LEGEND
		Bentonite Seal Sand Pack

Client: Dow Chemical Company	Location: Niacet	Project No.: 41567053.40000
URS Corporation	PIEZOMETER CONSTRUCTION DETAILS	Well Number: PZ-04

DRILLING SUMMARY		
Geologist: John Doerr/Rob Murphy		
Contractor: MARCOR Remediation, Inc		
Operator: Jim Agar		
Model: Geoprobe 5400		
Date: 5/12/2004		
GEOLOGIC LOG		
Depth(ft.)	Description	
WELL DESIGN		
Ground Level 572.36' Top of Riser 572.19' Top of Sand Pack 2.0' Top of Screen 3.1' Bottom of Screen 7.1' Bottom of Borehole 7.1' Road Plate Schedule 40 PVC Casing 1" diameter 2.9' length Borehole Diameter ~2 inches Schedule 40 PVC Screen 1" diameter 4.0' length Ground Level		
CASING MATERIAL		SCREEN MATERIAL
Monitor: 1" Schedule 40 PVC		Type: 1" Schedule 40 PVC
		Slot Size: #10 Slot
SEAL MATERIAL		
Type 1: Bentonite Pellets		
Setting: 2' - Surface		
LEGEND		
Bentonite Seal Sand Pack		
COMMENTS:		
Client: Dow Chemical Company	Location: Niacet	Project No.: 41567053.40000
URS Corporation	PIEZOMETER CONSTRUCTION DETAILS	Well Number: PZ-05

DRILLING SUMMARY		
Geologist: John Doerr/Rob Murphy		
Contractor: MARCOR Remediation, Inc.		
Operator: Jim Agar		
Model: Geoprobe 5400		
Date: 5/13/2004		
GEOLOGIC LOG		
Depth(ft.)	Description	
WELL DESIGN		
Ground Level 572.06' Top of Riser 571.91' Top of Sand Pack 2.0' Top of Screen 3.7' Bottom of Screen 6.7' Bottom of Borehole 6.7' Road Plate Ground Level Schedule 40 PVC Casing 1" diameter 3.6' length Borehole Diameter ~2 inches Schedule 40 PVC Screen 1" diameter 3.0' length		
CASING MATERIAL	SCREEN MATERIAL	FILTER MATERIAL
Monitor: 1" Schedule 40 PVC	Type: 1" Schedule 40 PVC	Type: #2 Well Sand Setting: 6.65' - 2'
	Slot Size: #10 Slot	SEAL MATERIAL
		Type 1: Bentonite Pellets Setting: 2' - Surface
COMMENTS:		LEGEND
		Bentonite Seal Sand Pack
Client: Dow Chemical Company	Location: Niacet	Project No.: 41567053.40000
URS Corporation	PIEZOMETER CONSTRUCTION DETAILS	Well Number: PZ-06

DRILLING SUMMARY

Geologist: John Doerr/Rob Murphy

Contractor:
MARCOR Remediation,
Inc.

Operator:	Jim Agar

Model:	Geoprobe 5400

Date: 5/17/2004

Description

Ground Level

7.2' length

-2 inches

Top of Screen 3 3'

3.0' length

Bottom of Borehole	6.3'

Setting: 6.26' - 2

Setting: 2' - Surface

 Sand Pack

Project No.:	41567053.40000

Well Number: PZ-07

DRILLING SUMMARY		
Geologist:	John Doerr/Rob Murphy	
Contractor:	MARCOR Remediation, Inc.	
Operator:	Jim Agar	
Model:	Geoprobe 5400	
Date:	5/19/2004	
GEOLOGIC LOG		
Depth(ft.)	Description	
Top of Riser 579.47' Ground Level 576.96' Top of Sand Pack 1.5' Top of Screen 1.9' Bottom of Screen 4.9' Bottom of Borehole 4.9' Ground Level Schedule 40 PVC Casing 1" diameter 4.4' length Borehole Diameter ~2 inches Schedule 40 PVC Screen 1" diameter 3.0' length		
WELL DESIGN		
CASING MATERIAL	SCREEN MATERIAL	FILTER MATERIAL
Monitor: 1" Schedule 40 PVC	Type: 1" Schedule 40 PVC Slot Size: #10 Slot	Type: #2 Well Sand Setting: 4.9' - 1.5'
		SEAL MATERIAL
		Type 1: Bentonite Pellets Setting: 1.5' - Surface
COMMENTS:		LEGEND
		Bentonite Seal Sand Pack
Client: Dow Chemical Company	Location: Niacet	Project No.: 41567053.40000
URS Corporation	PIEZOMETER CONSTRUCTION DETAILS	
		Well Number: PZ-08

DRILLING SUMMARY	
Geologist:	John Doerr/Rob Murphy
Contractor:	MARCOR Remediation, Inc.
Operator:	Jim Agar
Model:	Geoprobe 5400
Date:	5/19/2004

Top of Riser	<u>580.76'</u>
Ground Level	<u>576.91'</u>

GEOLOGIC LOG	
Depth(ft.)	Description

DEPT H

Bottom of Screen	6 1'
Bottom of Borehole	6 1'

Borehole Diameter -2 inches

WELL DESIGN

FILTER MATERIAL

Type:	#2 Well Sand
Setting:	6.06' - 2'

SEAL MATERIAL	
Type 1:	Bentonite Pellets
Setting:	2' - Surface

COMMENTS:

LEGEND

 Bentonite Seal

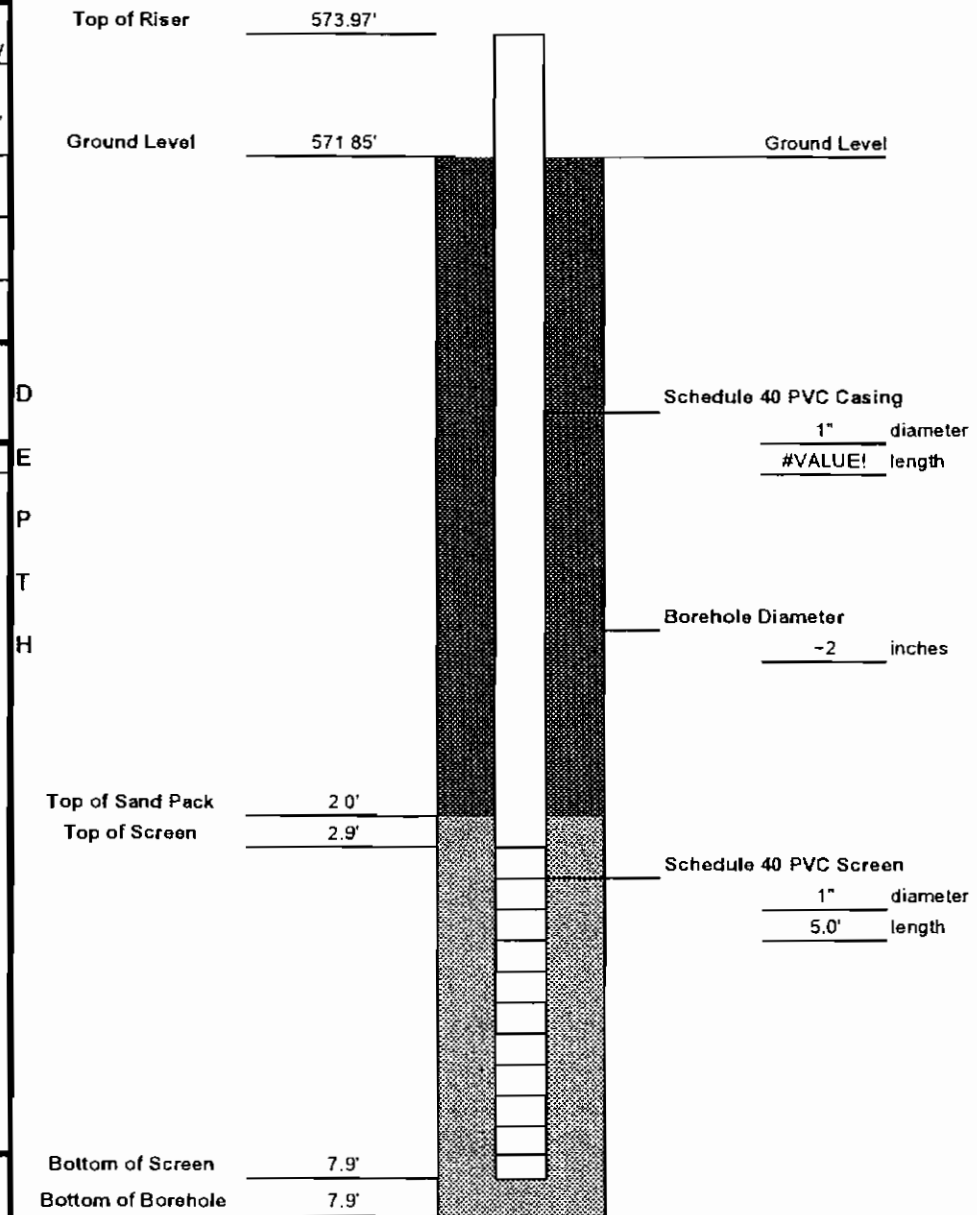
 Sand Pack

Project No.:	41567053 40000

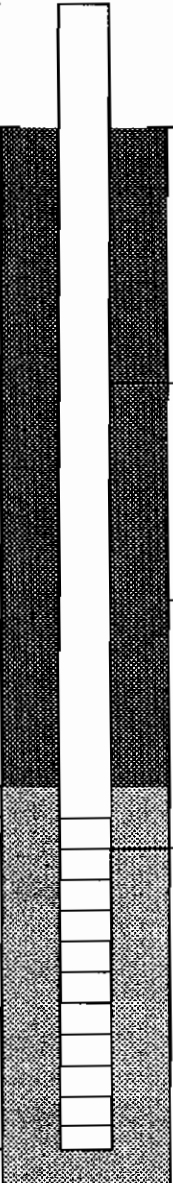
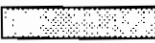
Well Number: PZ-09

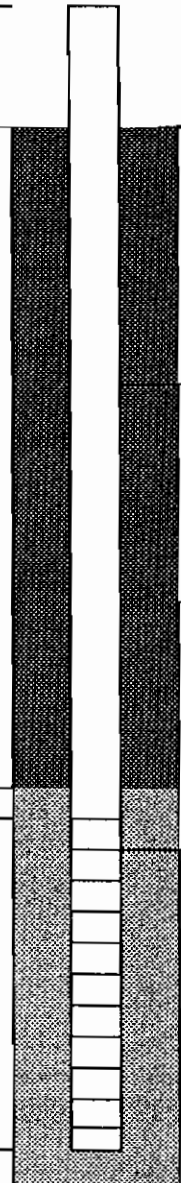
DRILLING SUMMARY		
Geologist: John Doerr/Rob Murphy		
Contractor: MARCOR Remediation, Inc.		
Operator: Jim Agar		
Model: Geoprobe 5400		
Date: 5/20/2004		
GEOLOGIC LOG		
Depth(ft.)	Description	
		D E P T H
WELL DESIGN		
The diagram illustrates a well construction. At the top, the 'Top of Riser' is at 576.96'. The 'Ground Level' is at 576.26'. The casing is labeled 'Schedule 40 PVC Casing' with a '1" diameter' and '4.7' length'. The 'Borehole Diameter' is '~2 inches'. The 'Top of Sand Pack' is at 2.0' and the 'Top of Screen' is at 4.0'. The 'Schedule 40 PVC Screen' has a '1" diameter' and '5.0' length'. The 'Bottom of Screen' is at 9.0' and the 'Bottom of Borehole' is also at 9.0'.		
CASING MATERIAL	SCREEN MATERIAL	FILTER MATERIAL
Monitor: 1" Schedule 40 PVC	Type: 1" Schedule 40 PVC	Type: #2 Well Sand Setting: 9' - 2'
	Slot Size: #10 Slot	SEAL MATERIAL
		Type 1: Bentonite Pellets Setting: 2' - Surface
COMMENTS:		LEGEND
		Bentonite Seal Sand Pack
Client: Dow Chemical Company	Location: Niacet	Project No.: 41567053.40000
URS Corporation	PIEZOMETER CONSTRUCTION DETAILS	Well Number: PZ-10

DRILLING SUMMARY		
Geologist: John Doerr/Rob Murphy		
Contractor: MARCOR Remediation, Inc.		
Operator: Jim Agar		
Model: Geoprobe 5400		
Date: 5/24/2004		
GEOLOGIC LOG		
Depth(ft.)	Description	
WELL DESIGN		
CASING MATERIAL		SCREEN MATERIAL
Monitor: 1" Schedule 40 PVC		Type: 1" Schedule 40 PVC
		Slot Size: #10 Slot
COMMENTS:		FILTER MATERIAL
		Type: #2 Well Sand Setting: 7.9' - 2'
		SEAL MATERIAL
		Type 1: Bentonite Pellets Setting: 2' - Surface
		LEGEND
		Bentonite Seal
		Sand Pack
URS Corporation		PIEZOMETER CONSTRUCTION DETAILS
Client: Dow Chemical Company	Location: Niacet	Project No.: 41567053.40000
		Well Number: PZ-11



DRILLING SUMMARY		
Geologist: John Doerr/Rob Murphy		
Contractor: MARCOR Remediation, Inc.		
Operator: Jim Agar		
Model: Geoprobe 5400		
Date: 5/26/2004		
GEOLOGIC LOG		
Depth(ft.)	Description	
		D E P T H
WELL DESIGN		
Top of Riser <u>573.57'</u> Ground Level <u>571.52'</u> Top of Sand Pack <u>2.0'</u> Top of Screen <u>3.2'</u> Bottom of Screen <u>8.2'</u> Bottom of Borehole <u>8.2'</u> Schedule 40 PVC Casing 1" diameter 5.3' length Borehole Diameter ~2 inches Schedule 40 PVC Screen 1" diameter 5.0' length		
CASING MATERIAL		SCREEN MATERIAL
Monitor: 1" Schedule 40 PVC	Type: 1" Schedule 40 PVC	Type: #2 Well Sand
	Slot Size: #10 Slot	Setting: 8.24' - 2'
		SEAL MATERIAL
		Type 1: Bentonite Pellets
		Setting: 2' - Surface
COMMENTS:		LEGEND
		Bentonite Seal Sand Pack
Client: Dow Chemical Company	Location: Niacet	Project No.: 41567053.40000
URS Corporation	PIEZOMETER CONSTRUCTION DETAILS	Well Number: PZ-12

DRILLING SUMMARY		Top of Riser 573.35' Ground Level 571.09' Top of Sand Pack 2.0' Top of Screen 3.0' Bottom of Screen 6.5' Bottom of Borehole 6.5'  Ground Level Schedule 40 PVC Casing 1" diameter 5.3' length Borehole Diameter ~2 inches Schedule 40 PVC Screen 1" diameter 3.5' length	
Geologist: John Doerr/Rob Murphy			
Contractor: MARCOR Remediation, Inc.			
Operator: Jim Agar			
Model: Geoprobe 5400			
Date: 5/26/2004			
GEOLOGIC LOG		DEPTH	
Depth(ft.)	Description		
WELL DESIGN			
CASING MATERIAL		SCREEN MATERIAL	FILTER MATERIAL
Monitor: 1" Schedule 40 PVC		Type: 1" Schedule 40 PVC	Type: #2 Well Sand Setting: 6.52' - 2'
		Slot Size: #10 Slot	SEAL MATERIAL
			Type 1: Bentonite Pellets Setting: 2' - Surface
COMMENTS:		LEGEND	
		 Bentonite Seal  Sand Pack	
Client: Dow Chemical Company		Location: Niacet	Project No.: 41567053.40000
URS Corporation		PIEZOMETER CONSTRUCTION DETAILS	Well Number: PZ-13

DRILLING SUMMARY		
Geologist:	John Doerr/Rob Murphy	
Contractor:	MARCOR Remediation, Inc.	
Operator:	Jim Agar	
Model:	Geoprobe 5400	
Date:	5/26/2004	
GEOLOGIC LOG		
Depth(ft.)	Description	
WELL DESIGN		
	Top of Riser 579.20' Ground Level 577.57' Top of Sand Pack 0.5' Top of Screen 0.5' Bottom of Screen 4.5' Bottom of Borehole 4.5' Ground Level Schedule 40 PVC Casing 1" diameter 2.1' length Borehole Diameter ~2 inches Schedule 40 PVC Screen 1" diameter 4.0' length 	
CASING MATERIAL	SCREEN MATERIAL	
Monitor: 1" Schedule 40 PVC	Type: 1" Schedule 40 PVC	
	Slot Size: #10 Slot	
FILTER MATERIAL		
Type: #2 Well Sand		
Setting: 4.5' - 0.5'		
SEAL MATERIAL		
Type 1: Bentonite Pellets		
Setting: 0.5' - Surface		
LEGEND		
Bentonite Seal Sand Pack		
COMMENTS:		
Client: Dow Chemical Company	Location: Niacet	Project No.: 41567053.40000
URS Corporation	PIEZOMETER CONSTRUCTION DETAILS	Well Number: PZ-14

APPENDIX D

WELL DEVELOPMENT LOGS

WELL DEVELOPMENT LOG

URS Corporation

PROJECT TITLE: Niacet - Supplemental Investigation WELL NO.: MW-01
 PROJECT NO.: 41567053.40000
 STAFF: John Doerr / Rob Murphy
 DATE(S): 6/1/2004

		WELL ID.	VOL. (GAL/FT)
1. TOTAL CASING AND SCREEN LENGTH (FT.)	=	10.15	1" 0.04
2. WATER LEVEL BELOW TOP OF CASING (FT.)	=	4.69	2" 0.17
3. NUMBER OF FEET STANDING WATER (#1 - #2)	=	5.46	3" 0.38
4. VOLUME OF WATER/FOOT OF CASING (GAL.)	=	0.04	4" 0.66
5. VOLUME OF WATER IN CASING (GAL.) (#3 x #4)	=	0.22	5" 1.04
6. VOLUME OF WATER TO REMOVE (GAL.) (#5 x 5)	=	1.09	6" 1.50
7. VOLUME OF WATER ACTUALLY REMOVED (GAL.)	=	0.56	8" 2.60
OR V=0.0408 x (CASING DIAMETER) ²			

PARAMETERS	ACCUMULATED VOLUME PURGED (GALLONS)									
	0.06	0.13	0.19	0.25	0.31	0.38	0.44	0.5	0.56	
pH	9.49	9.04	8.84	8.9	8.74	8.54	8.39	8.47	8.39	
SPEC. COND. (umhos)	888.1	811	815.3	808.3	832.4	843.5	857.2	842.5	855.4	
APPEARANCE	Brown-Gray 									
TEMPERATURE (°C)	17.5	15.7	16.4	15.2	15.7	14.9	14.2	13.8	15.3	
TURBIDITY (NTUs)	>999	>999	>999	>999	>999	>999	>999	>999	>999	

COMMENTS:

Collected unfiltered sample at 13:49
 Collected filtered sample at 13:53.
 Samples were submitted for analysis of Total Mercury.

WELL DEVELOPMENT LOG

URS Corporation

PROJECT TITLE: Niacet - Supplemental Investigation WELL NO.: MW-02

PROJECT NO.: 41567053.40000

STAFF: John Doerr / Rob Murphy

DATE(S): 6/1/2004

		WELL ID.	VOL. (GAL/FT)
1. TOTAL CASING AND SCREEN LENGTH (FT.)	=	<u>8.96</u>	<u>1" 0.04</u>
2. WATER LEVEL BELOW TOP OF CASING (FT)	=	<u>5.84</u>	<u>2" 0.17</u>
3. NUMBER OF FEET STANDING WATER (#1 - #2)	=	<u>3.12</u>	<u>3" 0.38</u>
4. VOLUME OF WATER/FOOT OF CASING (GAL.)	=	<u>0.04</u>	<u>4" 0.66</u>
5. VOLUME OF WATER IN CASING (GAL.)(#3 x #4)	=	<u>0.12</u>	<u>5" 1.04</u>
6. VOLUME OF WATER TO REMOVE (GAL.)(#5 x 5)	=	<u>0.62</u>	<u>6" 1.50</u>
7. VOLUME OF WATER ACTUALLY REMOVED (GAL.)	=	<u>0.5</u>	<u>8" 2.60</u>

OR
V=0.0408 x (CASING DIAMETER)²

PARAMETERS	ACCUMULATED VOLUME PURGED (GALLONS)										
	0.06	0.13	0.19	0.25	0.31	0.38	0.5	Sample			
pH	7.39	7.18	7.09	6.99	6.96	6.92	6.99	-			
SPEC COND. (umhos)	1418	1412	1399	1388	1396	1392	1390	-			
APPEARANCE	Gray							→			
TEMPERATURE (°C)	16.3	15	14.5	14.3	14	14.6	13.8	-			
TURBIDITY (NTUs)	>999	>999	>999	>999	163	97.6	86	64.5			

COMMENTS:

Collected unfiltered sample at 14:19
Collected filtered sample at 14:22.
Samples were submitted for analysis of Total Mercury.

WELL DEVELOPMENT LOG

URS Corporation

PROJECT TITLE: Niacet - Supplemental Investigation WELL NO.: MW-06

PROJECT NO.: 41567053.40000

STAFF: John Doerr / Rob Murphy

DATE(S): 6/1/2004

			WELL ID.	VOL. (GAL/FT)
1. TOTAL CASING AND SCREEN LENGTH (FT.)	=	<u>3.92</u>	<u>1"</u>	<u>0.04</u>
2. WATER LEVEL BELOW TOP OF CASING (FT.)	=	<u>1.86</u>	<u>2"</u>	<u>0.17</u>
3. NUMBER OF FEET STANDING WATER (#1 - #2)	=	<u>2.06</u>	<u>3"</u>	<u>0.38</u>
4. VOLUME OF WATER/FOOT OF CASING (GAL.)	=	<u>0.04</u>	<u>4"</u>	<u>0.66</u>
5. VOLUME OF WATER IN CASING (GAL.)(#3 x #4)	=	<u>0.08</u>	<u>5"</u>	<u>1.04</u>
6. VOLUME OF WATER TO REMOVE (GAL.)(#5 x 5)	=	<u>0.41</u>	<u>6"</u>	<u>1.50</u>
7. VOLUME OF WATER ACTUALLY REMOVED (GAL.)	=	<u>0.4</u>	<u>8"</u>	<u>2.60</u>

OR
 $V = 0.0408 \times (\text{CASING DIAMETER})^2$

PARAMETERS	ACCUMULATED VOLUME PURGED (GALLONS)									
	0.05	0.1	0.15	0.3	0.4					
pH	6.95	7.04	7.15	7.29	7.95					
SPEC. COND. (umhos)	2475	2627	2941	3975	4912					
APPEARANCE	Gray - Brown				→					
TEMPERATURE (°C)	19.4	18.5	18.2	22.4	22					
TURBIDITY (NTUs)	>999	>999	>999	>999	>999					

COMMENTS:

Well Purged Dry four times during development.
 Collected unfiltered sample at 14:36. Well dry following sampling, allowed well to recharge.
 Collected filtered sample at 15:50.
 Samples were submitted for analysis of Total Mercury.

WELL DEVELOPMENT LOG

URS Corporation

PROJECT TITLE: Niacet - Supplemental Investigation WELL NO.: MW-01

PROJECT NO.: 41567053.40000

STAFF: John Doerr / Rob Murphy

DATE(S): 6/1/2004

		WELL ID	VOL. (GAL/FT)
1. TOTAL CASING AND SCREEN LENGTH (FT.)	=	<u>10.15</u>	<u>1" 0.04</u>
2. WATER LEVEL BELOW TOP OF CASING (FT.)	=	<u>4.69</u>	<u>2" 0.17</u>
3. NUMBER OF FEET STANDING WATER (#1 - #2)	=	<u>5.46</u>	<u>3" 0.38</u>
4. VOLUME OF WATER/FOOT OF CASING (GAL.)	=	<u>0.04</u>	<u>4" 0.66</u>
5. VOLUME OF WATER IN CASING (GAL.)(#3 x #4)	=	<u>0.22</u>	<u>5" 1.04</u>
6. VOLUME OF WATER TO REMOVE (GAL.)(#5 x 5)	=	<u>1.09</u>	<u>6" 1.50</u>
7. VOLUME OF WATER ACTUALLY REMOVED (GAL.)	=	<u>0.56</u>	<u>8" 2.60</u>
OR V=0.0408 x (CASING DIAMETER) ²			

PARAMETERS	ACCUMULATED VOLUME PURGED (GALLONS)									
	0.06	0.13	0.19	0.25	0.31	0.38	0.44	0.5	0.56	
pH	9.49	9.04	8.84	8.9	8.74	8.54	8.39	8.47	8.39	
SPEC. COND. (umhos)	888.1	811	815.3	808.3	832.4	843.5	857.2	842.5	855.4	
APPEARANCE	Brown-Gray 									
TEMPERATURE (°C)	17.5	15.7	16.4	15.2	15.7	14.9	14.2	13.8	15.3	
TURBIDITY (NTUs)	>999	>999	>999	>999	>999	>999	>999	>999	>999	

COMMENTS:

Collected unfiltered sample at 13:49
 Collected filtered sample at 13:53
 Samples were submitted for analysis of Total Mercury.

WELL DEVELOPMENT LOG

URS Corporation

PROJECT TITLE: Niacet - Supplemental Investigation WELL NO: MW-02
 PROJECT NO.: 41567053.40000
 STAFF: John Doerr / Rob Murphy
 DATE(S): 6/1/2004

			WELL ID.	VOL (GAL/FT)
1. TOTAL CASING AND SCREEN LENGTH (FT.)	=	<u>8.96</u>	<u>1"</u>	<u>0.04</u>
2. WATER LEVEL BELOW TOP OF CASING (FT.)	=	<u>5.84</u>	<u>2"</u>	<u>0.17</u>
3. NUMBER OF FEET STANDING WATER (#1 - #2)	=	<u>3.12</u>	<u>3"</u>	<u>0.38</u>
4. VOLUME OF WATER/FOOT OF CASING (GAL.)	=	<u>0.04</u>	<u>4"</u>	<u>0.66</u>
5. VOLUME OF WATER IN CASING (GAL.)(#3 x #4)	=	<u>0.12</u>	<u>5"</u>	<u>1.04</u>
6. VOLUME OF WATER TO REMOVE (GAL.)(#5 x 5)	=	<u>0.62</u>	<u>6"</u>	<u>1.50</u>
7. VOLUME OF WATER ACTUALLY REMOVED (GAL.)	=	<u>0.5</u>	<u>8"</u>	<u>2.60</u>

OR
 $V = 0.0408 \times (\text{CASING DIAMETER})^2$

PARAMETERS	ACCUMULATED VOLUME PURGED (GALLONS)									
	0.06	0.13	0.19	0.25	0.31	0.38	0.5	Sample		
pH	7.39	7.18	7.09	6.99	6.96	6.92	6.99	-		
SPEC. COND. (umhos)	1418	1412	1399	1388	1396	1392	1390	-		
APPEARANCE	Gray							→		
TEMPERATURE (°C)	16.3	15	14.5	14.3	14	14.6	13.8	-		
TURBIDITY (NTUs)	>999	>999	>999	>999	163	97.6	86	64.5		

COMMENTS:

Collected unfiltered sample at 14:19.
 Collected filtered sample at 14:22.
 Samples were submitted for analysis of Total Mercury.

WELL DEVELOPMENT LOG

URS Corporation

PROJECT TITLE: Niacet - Supplemental Investigation WELL NO.: MW-06
 PROJECT NO.: 41567053.40000
 STAFF: John Doerr / Rob Murphy
 DATE(S): 6/1/2004

		WELL ID	VOL. (GAL/FT)
1. TOTAL CASING AND SCREEN LENGTH (FT.)	=	<u>3.92</u>	<u>1" 0.04</u>
2. WATER LEVEL BELOW TOP OF CASING (FT.)	=	<u>1.86</u>	<u>2" 0.17</u>
3. NUMBER OF FEET STANDING WATER (#1 - #2)	=	<u>2.06</u>	<u>3" 0.38</u>
4. VOLUME OF WATER/FOOT OF CASING (GAL)	=	<u>0.04</u>	<u>4" 0.66</u>
5. VOLUME OF WATER IN CASING (GAL.)(#3 x #4)	=	<u>0.08</u>	<u>5" 1.04</u>
6. VOLUME OF WATER TO REMOVE (GAL.)(#5 x 5)	=	<u>0.41</u>	<u>6" 1.50</u>
7. VOLUME OF WATER ACTUALLY REMOVED (GAL.)	=	<u>0.4</u>	<u>8" 2.60</u>
OR V=0.0408 x (CASING DIAMETER) ²			

PARAMETERS	ACCUMULATED VOLUME PURGED (GALLONS)									
	0.05	0.1	0.15	0.3	0.4					
pH	6.95	7.04	7.15	7.29	7.95					
SPEC. COND. (umhos)	2475	2627	2941	3975	4912					
APPEARANCE	Gray - Brown									
TEMPERATURE (°C)	19.4	18.5	18.2	22.4	22					
TURBIDITY (NTUs)	>999	>999	>999	>999	>999					

COMMENTS:

Well Purged Dry four times during development.
 Collected unfiltered sample at 14:36 Well dry following sampling, allowed well to recharge.
 Collected filtered sample at 15:50.
 Samples were submitted for analysis of Total Mercury.

APPENDIX E

DATA USABILITY SUMMARY REPORT

DATA USABILITY SUMMARY REPORT

**VOLUNTARY CLEANUP PROGRAM
NIACET CORPORATION SITE #V00373-9
NIAGARA FALLS, NEW YORK**

Analyses Performed by:

**SEVERN TRENT LABORATORIES, INC.
AMHERST, NEW YORK and COLCHESTER, VERMONT**

Prepared by:

**URS CORPORATION
77 GOODELL STREET
BUFFALO, NY 14203**

OCTOBER 2004

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II.	ANALYTICAL METHODOLOGIES	1
III.	DATA DELIVERABLE COMPLETENESS	2
IV.	PRESERVATION/HOLDING TIMES/SAMPLE RECEIPT.....	2
V.	NON-CONFORMANCES.....	2
VI.	SAMPLE RESULTS AND REPORTING.....	3
VII.	SUMMARY	4

TABLES

(Following Text)

Table 1	Summary of Data Qualifications
Table 2	Validated Soil Sample Results
Table 3	Validated Groundwater Sample Results
Table 4	Validated Soil Gas Sample Results
Table 5	Validated Field QC Sample Results

ATTACHMENTS

- Attachment A – Laboratory Report - Split Samples collected by NYSDEC
- Attachment B – Validated Sample Reporting Forms
- Attachment C – Support Documentation

I. INTRODUCTION

This Data Usability Summary Report (DUSR) has been prepared following the guidelines provided in New York State Department of Environmental Conservation (NYSDEC) Division of Environmental Remediation *Guidance for the Development of Data Usability Summary Reports*, dated June 1999.

II. ANALYTICAL METHODOLOGIES

The data being evaluated are from the May 11, 2004 - June 2, 2004 sampling of 293 soil samples, six groundwater samples, one soil gas sample and eight equipment rinse blank samples. Five matrix spike (MS)/matrix spike duplicate (MSD) pairs were also collected. The analytical laboratories that performed the analyses are Severn Trent Laboratories of Amherst, NY and Colchester, VT (STL-Buffalo and STL-Burlington, respectively). The soil, groundwater, and rinsate blank samples were analyzed for total mercury following USEPA Methods 7470A/7471A. The soil gas sample was analyzed for volatile organic compounds (VOCs) following USEPA Method TO-15 and fixed gases (carbon monoxide, carbon dioxide, methane, nitrogen, and oxygen) by ASTM Method D1946.

Eleven split soil samples were collected by the NYSDEC and sent to STL-Buffalo for total mercury analysis following USEPA Method 7471A. The results from these analyses are not discussed in this DUSR. The unvalidated results are provided in Attachment A.

Data validation was performed following the guidelines in USEPA Region II *Evaluation of Metals Data for the Contract Laboratory Program*, SOP No. HW-2, Revision XI, January 1992 and USEPA Region II *Validating Volatile Organic Analysis of Ambient Air in Canisters (VCAA01.0)*, SOP No. HW-18, Revision #0, April 1994

Qualifications applied to the data include "R" (rejected), "J/UJ" (estimated concentration/estimated quantitation limit), and "U" (not detected). Definitions of USEPA data

qualifiers are presented at the end of this text. A summary of data qualifications is presented on Table 1. The validated analytical results are presented on Tables 2-5. Copies of the validated laboratory results (i.e., sample reporting forms) are presented in Attachment B. Documentation supporting the qualification of data is presented in Attachment C. Only analytical deviations affecting data usability are discussed in this report.

III. DATA DELIVERABLE COMPLETENESS

Full deliverable data packages were provided by the laboratory, which included all reporting forms and raw data necessary to fully evaluate and verify the reported analytical results.

IV. PRESERVATION/HOLDING TIMES/SAMPLE RECEIPT

All samples were received by the laboratory intact, properly preserved and under proper chain-of-custody. There are no contractual holding times specified in the June 2000 version of NYSDEC Analytical Services Protocol (ASP) for VOCs in air samples collected in Summa® canisters. For air samples collected in Summa® canisters, the USEPA Region II technical holding time from sample collection is seven days for polar compounds (i.e., alcohols, ketones) and 14 days for non-polar compounds. It should be noted Method TO-15 indicates storage stability for many VOCs in Summa® canisters over a period of up to 30 days. Soil-gas sample PZ-03-G was analyzed more than 7 days, but within 14 days, from the date of collection. The results for the polar compounds (i.e., 2-hexanone, 4-methyl-2-pentanone, acetone, isopropyl alcohol, methyl ethyl ketone, and tert-butyl alcohol) were qualified "J/UJ" for the holding time exceedance in this sample. All other samples were analyzed within the required holding times.

V. NON-CONFORMANCES

- Blanks

The laboratory method blank associated with the soil samples collected on May 19, 2004 contained mercury (Hg) at a concentration above the reporting limit (RL). The associated

samples listed on Table 1 that had Hg results less than 10 times the value detected in the blank were qualified "R."

- Matrix Spike/Matrix Spike Duplicate/Matrix Duplicate/Laboratory Control Sample (MS/MSD/MD/LCS) Analyses

The MS performed on sample SB-01-0-2" exhibited a recovery for Hg that was above the upper QC limit of 125%. The detected results for Hg in the associated samples listed on Table 1 were qualified "J."

The MS performed on sample SB-10-0-2" exhibited a recovery for Hg that was below the lower QC limit of 75%. The results for Hg in the associated samples listed on Table 1 were qualified "J."

The MS/MSD performed on soil sample SB-78-0-4' exhibited recoveries for Hg that were above the upper QC limit of 125%. The detected results for Hg in the associated soil samples listed on Table 1 were qualified "J."

The relative percent differences (RPD) between the concentrations of Hg detected in soil samples MW-02-0-2", SB-01-0-2", and SB-36-0-2" and the respective concentrations in the MD analyses performed on these samples exceeded the QC limit of 100%. The results for Hg in the associated the soil samples listed on Table 1 were qualified "J" or "UJ."

The RPD between the concentration of Hg in groundwater sample MW-02 and the concentration in the MD analysis performed on this sample exceeded the QC limit of 50%. The results for Hg in the associated groundwater samples listed on Table 1 were qualified "J."

VI. SAMPLE RESULTS AND REPORTING

All quantitation/reporting limits were reported in accordance with method requirements and were adjusted for sample size, moisture content, and dilution factors.

The percent solids of soil sample SB-82-0-2 was below fifty percent. The result for Hg in this sample has been qualified "J."

VII. SUMMARY

All sample analyses were found to be compliant with the method criteria, except where previously noted. Those results qualified "R" are considered unusable. Those results qualified "J/UJ" are considered conditionally usable. All other sample results are usable as reported. URS does not recommend the recollection of any samples at this time.

Prepared By: Ann Marie Kropovitch, Chemist

 Date: 10/11/04

Reviewed By: Jim Lehen, Chemist

 Date: 10/11/04

DEFINITIONS OF USEPA DATA QUALIFIERS

- U –** The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
- J –** The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
- UJ –** The analyte was analyzed for, but not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.
- R –** The data are unusable. The sample results are rejected due to serious deficiencies in meeting quality control criteria. The analyte may or may not be present in the sample.

TABLE 1
SUMMARY OF DATA QUALIFICATIONS

SAMPLE ID	FRACTION	ANALYTICAL DEVIATION	QUALIFICATION
Soil gas sample PZ-03-G	VOC	Analyzed outside of the 7-day holding time.	Results for non-detect polar compounds have been qualified "UJ."
Soil sample SB-82 0-2	Mercury	% Solids <50%.	Qualify detected results "J."
Soil samples SB-50-0-2", SB-51-0-2", SB-54-6', SB-58-6', SB-59-5', SB-79-7.5, and SB-80-0-2"	Mercury	Method blank concentration > RL	Qualify results < 10 X blank result "R."
Soil samples MW-02-0-1.6', MW-02-0-2", MW-02-1.6', SB-66-0-1.9', SB-66-0-2", SB-66-1.9', SB-67-0-4.5, SB-67-4.5, SB-68-0-1.3', SB-68-1.3', SB-69-0-1', SB-69-0-2", SB-69-1', SB-70-0-2", SB-70-0-4', SB-70-4', SB-71-0-2", SB-71-0-3', SB-71-3', SB-72-0-2", SB-72-0-2', SB-72-2', SB-73-0-1', SB-73-0-2', SB-73-2', SB-74-0-1, SB-74-0-2, SB-74-1, SB-74-3.5', SB-77-0-2", SB-77-0-2", SB-77-2', SB-35-0-2", SB-35-0-7.5', SB-35-7.5', SB-36-0-2", SB-36-0-8.5', SB-36-9', SB-40-0-2", SB-40-0-9', SB-40-9', SB-41-0-11', SB-41-0-2", SB-41-11', SB-42-0-10', SB-42-0-2", SB-42-11', SB-43-0-2", SB-43-0-9', SB-43-9', SB-46-0-2", SB-46-0-9', SB-46-9', SB-47-0-2", SB-47-0-9', and SB-47-9'	Mercury	RPD of MD > 100%	Qualify detected results "J."
Soil samples SB-09-10' Across, SB-09-10' Below, SB-20-11', and SB-09-0-10'	Mercury	RPD of MD > 100%	Qualify detected results "UJ."
Groundwater samples MW-01, MW-01F, MW-02, MW-02F, MW-06, and MW-06F	Mercury	RPD of MD > 50%	Qualify detected results "J.:"
Soil samples SB-01-0-2", SB-01-0'-4' SB-01-2', SB-02-0-2", SB-02-0'-3', SB-02-3', SB-08-0-1.6', SB-08-0-2", SB-08-1.6', SB-09-0-2", SB-14-0-2", SB-14-0-2.3', SB-14-2.3', SB-15-0-2", SB-15-0-3', SB-15-3', SB-19-0-2', SB-19-0-2", SB-19-2', SB-20-0-2', SB-20-0-7', SB-20-7', SB-20-7-11, SB-25-0-2", SB-25-0-5', SB-25-5', SB-26-0-2", SB-26-0-8.5', and SB-26-8.5'	Mercury	MS %R > 125%	Qualify detected results "J."

TABLE 1
SUMMARY OF DATA QUALIFICATIONS

SAMPLE ID	FRACTION	ANALYTICAL DEVIATION	QUALIFICATION
Soil samples SB-03-0-12', SB-03-0-2", SB-03-12', SB-04-0-2", SB-04-0-3.5', SB-04-3.5', SB-05-0-2", SB-05-0-4', SB-05-4', SB-10-0-10.4', SB-10-0-2", SB-10-10.4', SB-11-0-10.5, SB-11-0-2", SB-11-10.5, SB-16-0-2", SB-16-0-2', SB-16-2'-7', SB-16-7', SB-17-0-2", SB-17-0-6, SB-17-6, SB-21-0-2', SB-21-0-2", SB-21-2-7.5, SB-21-7.5, SB-22-0-6.5, SB-22-6.5, SB-27-0-2", SB-27-0-5', SB-27-5', SB-28-0-2", SB-28-0-7.5, SB-28-7.5, SB-29-0-2", SB-29-0-7', SB-29-7', SB-30-0-2", SB-30-0-8', SB-30-8', SB-32-0-2", SB-32-0-2", and SB-32-2'	Mercury	MS %R <75%	Qualify detected results "J" and non-detect results "UJ."
Soil samples SB-13-0-2", SB-13-0-2', SB-14-0-2", SB-24-2', SB-38-0-4.5, SB-38-4.5, SB-44-0-2", SB-44-0-4.5, SB-44-4.5, SB-48-0-2", SB-48-0-4', SB-48-4', SB-65-0-3', SB-65-3', SB-78-0-4', and SB-78-4'	Mercury	MS/MSD %R > 125%	Qualify detected results "J."

TABLE 2
VALIDATED SOIL SAMPLE RESULTS
VOLUNTARY CLEANUP PROGRAM
NIACET CORPORATION SITE #V00373-9

Location ID		BS-01	BS-02	BS-03	BS-04	MW-01
Sample ID		BS-01-0-2"	BS-02-0-2"	BS-03-0-2"	BS-04-0-2"	MW-01-0-2
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		0.0-0.2	0.0-0.2	0.0-0.2	0.0-0.2	0.0-0.2
Date Sampled		05/28/04	05/28/04	05/28/04	05/28/04	05/17/04
Parameter	Units					
Metals						
Mercury	MG/KG	5.0	13.4	1.7	1.9	738

Flags assigned during chemistry validation are shown

MADE BY ___AMK_9/27/04___
 CHECKED BY ___JLL 9/28/04___

Detection Limits shown are MDL

Advanced Selection Table 2
 N:\11171065\000000DB\Program\Program.mde
 Printed: 10/4/04 11:45:31 AM
 [LOGDATE] >= 8/31/04# AND [MATRIX] = 'SO' AND [PRCODE] = 'MET' AND [LABSAMPID] <> 'A445401' AND [LABSAMPID] <> 'A445700' AND [LABSAMPID] <> 'A447500' AND
 [LABSAMPID] <> 'A447500' OR [MATRIX] = 'SE'

TABLE 2
VALIDATED SOIL SAMPLE RESULTS
VOLUNTARY CLEANUP PROGRAM
NIACET CORPORATION SITE #V00373-9

Location ID		MW-01	MW-01	SB-001	SB-001	SB-001
Sample ID		MW-01-0-9	MW-01-9	SB-01-0-2"	SB-01-0'-4"	SB-01-2'
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		0.0-9.0	9.0-9.0	0.0-0.2	0.0-0.4	2.0-2.0
Date Sampled		05/17/04	05/17/04	05/10/04	05/10/04	05/10/04
Parameter	Units					
Metals						
Mercury	MG/KG	20.6	4.5	0.113 J	0.763 J	170 J

Flags assigned during chemistry validation are shown

MADE BY: __AMK_ 9/27/04

CHECKED BY: __JUL_ 9/28/04

Detection Limits shown are MDL

Advanced Selection Table 2
N111171065 00000000 Program/Program.mde
Printed: 10/9/2004 4:15:56 PM
[LOGDATE] <> '9/10/04' AND ([MATRIX] = 'SO' AND [PRCODE] = 'MET' AND [LABSAMPLE] <> 'A445401' AND [LABSAMPLE] <> 'A445706' AND [LABSAMPLE] <> 'A447801' AND
[LABSAMPLE] <> 'A4476001RA') OR ([MATRIX] = 'SE'

TABLE 2
VALIDATED SOIL SAMPLE RESULTS
VOLUNTARY CLEANUP PROGRAM
NIACET CORPORATION SITE #V00373-9

Location ID		SB-002/PZ-01	SB-002/PZ-01	SB-002/PZ-01	SB-003	SB-003
Sample ID		SB-02-0-2"	SB-02-0"-3'	SB-02-3'	SB-03-0-2"	SB-03-0-12'
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		0.0-0.2	0.0-3.0	3.0-3.0	0.0-0.2	0.0-12.0
Date Sampled		05/10/04	05/10/04	05/10/04	05/12/04	05/12/04
Parameter	Units					
Metals						
Mercury	MG/KG	73.3 J	43.2 J	0.548 J	1.9 J	0.011 J

Flags assigned during chemistry validation are shown

MADE BY: __AMK_9/27/04__

CHECKED BY: __JIL_9/28/04__

Detection Limits shown are MDL

Advanced Selection: Table 2
N:\11171085\000000\Programs\Program.mde
Printed: 10/9/2004 4:35:56 PM
[LOGDATE] => 05/10/04 AND ([MATRIX] = 'SO' AND [PRCODE] = 'MET' AND [LABSAMPLE] <> 'A445601' AND [LABSAMPLE] <> 'A4457001' AND [LABSAMPLE] <> 'A4476801' AND [LABSAMPLE] <> 'A4476801RA') OR [MATRIX] = 'SE'

TABLE 2
VALIDATED SOIL SAMPLE RESULTS
VOLUNTARY CLEANUP PROGRAM
NIACET CORPORATION SITE #V00373-9

Location ID		SB-003	SB-004	SB-004	SB-004	SB-005
Sample ID		SB-03-12"	SB-04-0-2"	SB-04-0-3.5'	SB-04-3.5'	SB-05-0-2"
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		12.0-12.0	0.0-0.2	0.0-3.5	3.5-3.5	0.0-0.2
Date Sampled		05/12/04	05/12/04	05/12/04	05/12/04	05/12/04
Parameter	Units					
Metals						
Mercury	MG/KG	0.011 UJ	0.010 UJ	0.014 J	113 J	13.1 J

Flags assigned during chemistry validation are shown.

MADE BY: AMK_9/27/04

CHECKED BY: JJL_9/28/04

Detection Limits shown are MDL

Advanced Selection Table 2
N:\11171065\00000108\Program\Program.mde
Printed: 10/10/11 4:31 AM
[LOADDATE] <> '9/10/04' AND ([MATRIX] = 'SO' AND [PRCODE] < 'MET' AND [LABSAMPID] <> 'A445401' AND [LABSAMPID] <> 'A4457001' AND [LABSAMPID] <> 'A4475001' AND [LABSAMPID] <> 'A4475001' AND [LABSAMPID] <> 'A4475001' OR [MATRIX] = 'SE'

TABLE 2
VALIDATED SOIL SAMPLE RESULTS
VOLUNTARY CLEANUP PROGRAM
NIACET CORPORATION SITE #V00373-9

Location ID		SB-005	SB-005	SB-006	SB-006	SB-006
Sample ID		SB-05-0-4'	SB-05-4'	SB-06-0-2"	SB-06-0-5'	SB-06-5'
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		0.0-4.0	4.0-4.0	0.0-0.2	0.0-5.0	5.0-5.0
Date Sampled		05/12/04	05/12/04	05/24/04	05/24/04	05/24/04
Parameter	Units					
Metals						
Mercury	MG/KG	0.068 J	0.012 UJ	2.2	0.011 U	0.035 B

Flags assigned during chemistry validation are shown.

MADE BY: __AMK_ 9/27/04
 CHECKED BY: __JJL_ 9/28/04

Detection Limits shown are MDL

Advanced Selection Table 2
 N:\11171005\00000000\Program\Program.mde
 Printed: 10/4/04 11:48:31 AM
 [LOGDATE] = 05/15/04 AND ([MATRIX] = 'SO' AND [PRCODE] = 'MET' AND [LABSAMPLE] <> 'A445401' AND [LABSAMPLE] <> 'A4457001' AND [LABSAMPLE] <> 'A4476001' AND
 [LABSAMPLE] <> 'A447601RA') OR [MATRIX] = 'SE'

TABLE 2
VALIDATED SOIL SAMPLE RESULTS
VOLUNTARY CLEANUP PROGRAM
NIACET CORPORATION SITE #V00373-9

Location ID		SB-007/PZ-11	SB-007/PZ-11	SB-007/PZ-11	SB-008	SB-008
Sample ID		SB-07-0-2"	SB-07-0-5'	SB-07-5'	SB-08-0-2"	SB-08-0-1.6'
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		0.0-0.2	0.0-5.0	5.0-5.0	0.0-0.2	0.0-1.6
Date Sampled		05/24/04	05/24/04	05/24/04	05/11/04	05/11/04
Parameter	Units					
Metals						
Mercury	MG/KG	1.4	0.015 B	0.011 B	21.7 J	1.3 J

Flags assigned during chemistry validation are shown

MADE BY: AMK_9/27/04

CHECKED BY: JIL_9/28/04

Detection Limits shown are MDL

Advanced Selection Table 2
N:\11171035\00000-DB-Program\Program.mdb
Printed: 10/4/04 11:48:31 AM
[LOGDATE] <> '9/16/04' AND ([MATRIX] = 'SO' AND [PRCODE] = 'MET' AND [LABSAMPID] <> 'A445401' AND [LABSAMPID] <> 'A4457001' AND [LABSAMPID] <> 'A4476601' AND [LABSAMPID] <> 'A4476801RA' OR [MATRIX] = 'SE'

TABLE 2
VALIDATED SOIL SAMPLE RESULTS
VOLUNTARY CLEANUP PROGRAM
NIACET CORPORATION SITE #V00373-9

Location ID		SB-008	SB-009/PZ-02	SB-009/PZ-02	SB-009/PZ-02	SB-009/PZ-02
Sample ID		SB-08-1.6'	SB-09-0.2"	SB-09-0-10'	SB-09-10'ACROSS	SB-09-10'BELOW
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		1.6-1.6	0.0-0.2	0.0-10.0	10.0-10.0	10.0-10.0
Date Sampled		05/11/04	05/11/04	05/11/04	05/11/04	05/11/04
Parameter	Units					
Metals						
Mercury	MG/KG	0.653 J	66.2 J	0.010 UJ	0.010 UJ	0.010 UJ

Flags assigned during chemistry validation are shown

MADE BY: AMK_9/27/04
 CHECKED BY: JJL_9/28/04

Detection Limits shown are MDL

Advanced Selection Table 2
 N:\11171065\00000000\Program\Program.mde
 Printed: 10/4/04 11:48:31 AM
 [LOGDATE] = 05/10/04 AND ([MATRIX] = 'SO' AND [PRCODE] = 'MET' AND [LABSAMPID] <> 'AA4540') AND [LABSAMPID] <> 'AA457001' AND [LABSAMPID] <> 'AA470801' AND
 [LABSAMPID] <> 'AA475801RA') OR [MATRIX] = 'SE'

TABLE 2
VALIDATED SOIL SAMPLE RESULTS
VOLUNTARY CLEANUP PROGRAM
NIACET CORPORATION SITE #V00373-9

Location ID		SB-010	SB-010	SB-010	SB-011	SB-011
Sample ID		SB-10-0-2"	SB-10-0-10.4'	SB-10-10.4'	SB-11-0-2"	SB-11-0-10.5
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		0.0-0.2	1.0-10.4	10.4-10.4	0.0-0.2	0.0-10.5
Date Sampled		05/12/04	05/12/04	05/12/04	05/13/04	05/13/04
Parameter	Units					
Metals						
Mercury	MG/KG	11 J	23 J	0.023 BJ	15 J	0.082 J

Flags assigned during chemistry validation are shown

MADE BY: __AMK_9/27/04__

CHECKED BY: __JJL 9/28/04__

Detection Limits shown are MDL

[LOGDATE] << 05/10/04 AND ([MATRIX] = 'SO' AND [PRCODE] = 'MET' AND [LABSAMPID] << 'A445401' AND [LABSAMPID] << 'A445700' AND [LABSAMPID] << 'A447000') AND [LABSAMPID] << 'A447600' OR [MATRIX] = 'SE'

Advanced Selection: Table 2
N:\11171065\00000000\Program\Program.mde

Printed: 10/4/04 11:48:31 AM

TABLE 2
VALIDATED SOIL SAMPLE RESULTS
VOLUNTARY CLEANUP PROGRAM
NIACET CORPORATION SITE #V00373-9

Location ID		SB-011	SB-012	SB-012	SB-013	SB-013
Sample ID		SB-11-10.5	SB-12-0-10"	SB-12-10"	SB-13-0-2"	SB-13-0-2"
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		10.0-10.0	0.0-10.0	10.0-10.0	0.0-0.2	0.0-2.0
Date Sampled		05/13/04	05/24/04	05/24/04	05/25/04	05/25/04
Parameter	Units					
Metals						
Mercury	MG/KG	0.082 J	0.011 B	0.011 B	2.3 J	0.046 J

Flags assigned during chemistry validation are shown

MADE BY: AMK_9/27/04
 CHECKED BY: JJL_9/28/04

Detection Limits shown are MDL

Advanced Selection Table 2
 N:\11171085\00000\DP\ProgramProgram.mde
 Printed: 10/10/11 10:31 AM
 [LOGDATE] = '5/10/04' AND [MATRIX] = 'SO' AND [PRCODE] = 'MET' AND [LABSAMPLE] <> '4445401' AND [LABSAMPLE] <> '44457001' AND [LABSAMPLE] <> '44478001' AND [LABSAMPLE] <> '44478011RA' OR [MATRIX] = 'SE'

TABLE 2
VALIDATED SOIL SAMPLE RESULTS
VOLUNTARY CLEANUP PROGRAM
NIACET CORPORATION SITE #V00373-9

Location ID		SB-013	SB-014	SB-014	SB-014	SB-015
Sample ID		SB-13-2'	SB-14-0-2"	SB-14-0-2.3'	SB-14-2.3'	SB-15-0-2"
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		2.0-2.0	0.0-0.2	0.0-2.3	2.3-2.3	0.0-0.2
Date Sampled		05/25/04	05/11/04	05/11/04	05/11/04	05/11/04
Parameter	Units					
Metals						
Mercury	MG/KG	0.072 J	7.9 J	1.1 J	0.914 J	118 J

Flags assigned during chemistry validation are shown

MADE BY: __AMK_ 9/27/04____
 CHECKED BY: __JJL_ 9/28/04____

Detection Limits shown are MDL

Advanced Selection: Table 2
 N:\11171005\00000\09\Program\Program.mde
 Printed: 10/4/04 11:48:32 AM
 (LOCDATE) <> '5/10/04' AND ([MATRIX] = 'SO' AND (PRCODE) = 'MET' AND (LABSAMPID) <> 'A445401' AND (LABSAMPID) <> 'A4457001' AND (LABSAMPID) <> 'A4476601' AND
 (LABSAMPID) <> 'A4476601' OR (MATRIX) = 'SE'

TABLE 2
VALIDATED SOIL SAMPLE RESULTS
VOLUNTARY CLEANUP PROGRAM
NIACET CORPORATION SITE #V00373-9

Location ID		SB-015	SB-015	SB-016	SB-016	SB-016
Sample ID		SB-15-0-3'	SB-15-3'	SB-16-0-2"	SB-16-0-2'	SB-16-2'-7'
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		0.0-3.0	3.0-3.0	0.0-0.2	0.0-0.2	2.0-7.0
Date Sampled		05/11/04	05/11/04	05/12/04	05/12/04	05/12/04
Parameter	Units					
Metals						
Mercury	MG/KG	14.2 J	0.461 J	4.7 J	25.1 J	0.011 UJ

Flags assigned during chemistry validation are shown.

MADE BY: AMK 9/27/04

CHECKED BY: JJL 9/28/04

Detection Limits shown are MDL

Advanced Selection Table 2
N:\11171085\00002081\Program\Program.mde
Printed: 10/04/11 10:32 AM
[LOGDATE] >= 05/10/04 AND ([MATRIX] = 'SO' AND [PRCODE] = 'MET' AND [LABSAMPLEID] <> 'AA45001' AND [LABSAMPLEID] <> 'AA457001' AND [LABSAMPLEID] <> 'AA478001' AND [LABSAMPLEID] <> 'AA47801RA') OR [MATRIX] = 'SE'

TABLE 2
VALIDATED SOIL SAMPLE RESULTS
VOLUNTARY CLEANUP PROGRAM
NIACET CORPORATION SITE #V00373-9

Location ID		SB-016	SB-017/PZ-04	SB-017/PZ-04	SB-017/PZ-04	SB-018
Sample ID		SB-16-7"	SB-17-0-2"	SB-17-0-6	SB-17-6	SB-18-0-11.5"
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		7.0-7.0	0.0-0.2	0.0-6.0	6.0-6.0	0.0-11.5
Date Sampled		05/12/04	05/13/04	05/13/04	05/13/04	05/24/04
Parameter	Units					
Metals						
Mercury	MG/KG	0.010 UJ	7.1 J	0.220 J	0.305 J	0.237

Flags assigned during chemistry validation are shown

MADE BY: __AMK_9/27/04__

CHECKED BY: __JJL_9/28/04__

Detection Limits shown are MDL

[LOGDATE] = 05/10/04 AND ([MATRIX] = 'SO' AND [PRCODE] = 'MET' AND [LABSAMPID] = 'A445401' AND [LABSAMPID] = 'A4457001' AND [LABSAMPID] = 'A4478001' AND [LABSAMPID] = 'A4478011RA') OR [MATRIX] = 'SE

Advanced Selection Table 2
N:\11171095\00000000\Program\Program.mde
Printed: 10/10/04 11:48:32 AM
[LABSAMPID] = 'A4478001' AND [LABSAMPID] = 'A4478011RA') OR [MATRIX] = 'SE

TABLE 2
VALIDATED SOIL SAMPLE RESULTS
VOLUNTARY CLEANUP PROGRAM
NIACET CORPORATION SITE #V00373-9

Location ID		SB-018	SB-019	SB-019	SB-019	SB-020
Sample ID		SB-18-11.5'	SB-19-0-2"	SB-19-0-2'	SB-19-2'	SB-20-0-2'
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		11.5-11.5	0.0-0.2	0.0-2.0	2.0-2.0	0.0-0.2
Date Sampled		05/24/04	05/11/04	05/11/04	05/11/04	05/11/04
Parameter	Units					
Metals						
Mercury	MG/KG	0.116	55.6 J	59.3 J	0.069 BJ	13.4 J

Flags assigned during chemistry validation are shown

MADE BY: __AMK_9/27/04_____
 CHECKED BY: __JUL_9/28/04_____

Detection Limits shown are MDL

Advanced Selection Table 2
 N:\11171085\0000\OB\Program\Program.mde
 Printed: 10/4/04 11:49:32 AM
 ([LOGDATE] >= 05/10/04 AND ([MATRIX] = 'SO' AND [PRCCODE] = 'MET' AND ([ABSAMPID] <> 'A445401' AND ([ABSAMPID] <> 'A4457001' AND ([ABSAMPID] <> 'A447001' AND ([ABSAMPID] <> 'A447001' OR ([MATRIX] = 'SE'

TABLE 2
VALIDATED SOIL SAMPLE RESULTS
VOLUNTARY CLEANUP PROGRAM
NIACET CORPORATION SITE #V00373-9

Location ID		SB-020	SB-020	SB-020	SB-020	SB-021
Sample ID		SB-20-0'-7'	SB-20-7'	SB-20-7-11	SB-20-11'	SB-21-0-2"
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		0.0-7.0	7.0-7.0	7.0-11.0	11.0-11.0	0.0-0.2
Date Sampled		05/11/04	05/11/04	05/11/04	05/11/04	05/12/04
Parameter	Units					
Metals						
Mercury	MG/KG	23.0 J	0.140 J	0.317 J	0.009 UJ	2.0 J

Flags assigned during chemistry validation are shown

MADE BY: AMK 9/27/04
 CHECKED BY: JJL 9/28/04

Detection Limits shown are MDL

Advanced Selection Table 2
 N:\11171385\0000202\Program\Program.mde
 Printed: 10/14/04 11:48:32 AM
 [LOGDATE] == 05/10/04 AND [MATRIX] = 'SC' AND [PRCODE] = 'MET' AND [LABSAMPID] == '4445901' AND [LABSAMPID] <> '44457801' AND [LABSAMPID] <> '44458801' AND [LABSAMPID] <> '44458801' OR [MATRIX] = 'SE'

TABLE 2
VALIDATED SOIL SAMPLE RESULTS
VOLUNTARY CLEANUP PROGRAM
NIACET CORPORATION SITE #V00373-9

Location ID		SB-021	SB-021	SB-021	SB-022	SB-022
Sample ID		SB-21-0-2'	SB-21-2-7.5	SB-21-7.5	SB-22-0-6.5	SB-22-6.5
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		0.0-2.0	2.0-2.8	7.5-7.5	0.0-6.5	6.5-6.5
Date Sampled		05/12/04	05/12/04	05/12/04	05/13/04	05/13/04
Parameter	Units					
Metals						
Mercury	MG/KG	23 0 J	0 030 BJ	0.017 UJ	0.043 BJ	0.010 UJ

Flags assigned during chemistry validation are shown.

MADE BY: AMK_9/27/04

CHECKED BY: JUL 9/28/04

Detection Limits shown are MDL

Advanced Selection: Table 2
N:\11171085\0000\08\Program\Program.mde
Printed: 10/4/04 11:48:32 AM
[LOGDATE] >= 4/5/04 AND ([MATRIX] = 'SO' AND [PRCODE] = 'MET' AND [LABSAMPLE] <> 'A445401' AND [LABSAMPLE] <> 'A445701' AND [LABSAMPLE] <> 'A447501' AND [LABSAMPLE] <> 'A447501RA') OR [MATRIX] = 'SE'

Location ID		SB-023	SB-023	SB-024/MW-04	SB-024/MW-04	SB-025
Sample ID		SB-23-0-9'	SB-23-9'	SB-24-0-2'	SB-24-2'	SB-25-0-2"
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		0.0-9.0	9.0-9.0	0.0-2.0	2.0-2.0	0.0-0.2
Date Sampled		05/24/04	05/24/04	05/25/04	05/25/04	05/11/04
Parameter	Units					
Metals						
Mercury	MG/KG	0.021 B	0.010 U	0.516 J	0.028 BJ	0.301 J

MADE BY: AMK 9/27/04
CHECKED BY: JJL 9/28/04

Advanced Selection Table 2

N11171065 000000DBProgramProgram.mde

Printed 10/6/04 11:48:32 AM

(LOGDATE) >= 151004# AND ([MATRIX] = 'S' AND [PRCCODE] = 'MET' AND [LABSAMPLE] <> 'A445401' AND [LABSAMPLE] <> 'A445701' AND [LABSAMPLE] <> 'A447801' AND [LABSAMPLE] <> 'A447801') OR [MATRIX] = 'SE'

TABLE 2
VALIDATED SOIL SAMPLE RESULTS
VOLUNTARY CLEANUP PROGRAM
NIACET CORPORATION SITE #V00373-9

Location ID		SB-025	SB-025	SB-026	SB-026	SB-026
Sample ID		SB-25-0-5'	SB-25-5'	SB-26-0-2"	SB-26-0-8.5'	SB-26-8.5'
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		0.0-5.0	5.0-5.0	0.0-0.2	0.0-8.5	8.5-8.5
Date Sampled		05/11/04	05/11/04	05/11/04	05/11/04	05/11/04
Parameter	Units					
Metals						
Mercury	MG/KG	44.5 J	0.169 J	53.2 J	33.2 J	2.6 J

Flags assigned during chemistry validation are shown

MADE BY: AMK_9/27/04

CHECKED BY: JIL 9/28/04

Detection Limits shown are MDL

Advanced Selection Table 2
 N:\1117\065 0000\DEP Program\Program.mde
 Printed: 10/4/04 11:48:32 AM
 [LOGDATE] >> '9/10/04' AND ([MATRIX] = 'SO' AND [PRCODE] = 'MET' AND ([LABSAMPLE] <> 'A445401' AND [LABSAMPLE] <> 'A4457001' AND [LABSAMPLE] <> 'A4479801' AND
 [LABSAMPLE] <> 'A4479801RA' ; OR [MATRIX] = 'SE'

TABLE 2
VALIDATED SOIL SAMPLE RESULTS
VOLUNTARY CLEANUP PROGRAM
NIACET CORPORATION SITE #V00373-9

Location ID		SB-027/PZ-05	SB-027/PZ-05	SB-027/PZ-05	SB-028	SB-028
Sample ID		SB-27-0-2"	SB-27-0-5'	SB-27-5'	SB-28-0-2"	SB-28-0-7.5'
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		0.0-0.2	0.0-5.0	5.0-5.0	0.0-0.2	0.0-7.5
Date Sampled		05/12/04	05/12/04	05/12/04	05/13/04	05/13/04
Parameter	Units					
Metals						
Mercury	MG/KG	52.4 J	0.022 BJ	0.578 J	26.0 J	0.029 BJ

Flags assigned during chemistry validation are shown.

MADE BY: AMK_9/27/04
 CHECKED BY: JIL_9/28/04

Detection Limits shown are MDL

Advanced Selection Table 2
 N:\11171085\00000008\Program\Program.mde
 Printed: 11/3/04 11:45:12 AM
 [LOGDATE] <> #51004# AND [MATRIX] = SO AND [PRCODE] = MET AND [LABSAMPLE] <> 'A445401' AND [LABSAMPLE] <> 'A4457001' AND [LABSAMPLE] <> 'A4478001' AND
 [LABSAMPLE] <> 'A447801-RA' OR [MATRIX] = SE

TABLE 2
VALIDATED SOIL SAMPLE RESULTS
VOLUNTARY CLEANUP PROGRAM
NIACET CORPORATION SITE #V00373-9

Location ID		SB-028	SB-029/PZ-06	SB-029/PZ-06	SB-029/PZ-06	SB-030
Sample ID		SB-28-7.5	SB-29-0-2"	SB-29-0-7'	SB-29-7'	SB-30-0-2"
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		7.5-7.5	0.0-0.2	0.0-7.0	7.0-7.0	0.0-0.2
Date Sampled		05/13/04	05/13/04	05/13/04	05/13/04	05/13/04
Parameter	Units					
Metals						
Mercury	MG/KG	0.013 BJ	9.4 J	0.076 J	0.010 UJ	26.0 J

Flags assigned during chemistry validation are shown.

MADE BY: __AMK_9/27/04__

CHECKED BY: __JJL 9/28/04__

Detection Limits shown are MDL

Advanced Selection Table 2
 N:\11171065\20000\08\Program\Program.mde
 Printed: 10/4/04 11:48:32 AM
 [LOGDATE] <> '9/10/04' AND ([MATRIX] = 'S' AND [PRCODE] = 'MET' AND [LABSAMPLE] <> 'A445401' AND [LABSAMPLE] <> 'A4457001' AND [LABSAMPLE] <> 'A4479001' AND [LABSAMPLE] <> 'A447901RA') OR ([MATRIX] = 'SE'

TABLE 2
VALIDATED SOIL SAMPLE RESULTS
VOLUNTARY CLEANUP PROGRAM
NIACET CORPORATION SITE #V00373-9

Location ID		SB-030	SB-030	SB-031	SB-031	SB-032
Sample ID		SB-30-0-8'	SB-30-8'	SB-31-0-8'	SB-31-8'	SB-32-0-2"
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		0.0-8.0	8.0-8.0	0.0-8.0	8.0-8.0	0.0-0.2
Date Sampled		05/13/04	05/13/04	05/24/04	05/24/04	05/13/04
Parameter	Units					
Metals						
Mercury	MG/KG	1.1 J	0.962 J	0.026 B	0.011 U	104 J

Flags assigned during chemistry validation are shown.

MADE BY: AMK 9/27/04

CHECKED BY: JJL 9/28/04

Detection Limits shown are MDL

[LOGDATE] = 05/10/04 AND [MATRIX] = SOY AND [PRCODE] = MET AND [LABSAMPID] <> 'A445401' AND [LABSAMPID] <> 'A4457001' AND [LABSAMPID] <> 'A4475001' AND [LABSAMPID] <> 'A4475001RA' OR [MATRIX] = 'SE'

Advanced Selection Table 2
 N:\11171085\000007\DEProgram\Program.mxd
 Printed: 10/4/04 11:45:32 AM

TABLE 2
VALIDATED SOIL SAMPLE RESULTS
VOLUNTARY CLEANUP PROGRAM
NIACET CORPORATION SITE #V00373-9

Location ID		SB-032	SB-032	SB-033/PZ-03	SB-033/PZ-03	SB-033/PZ-03
Sample ID		SB-32-0-2'	SB-32-2'	SB-33 0-2"	SB-33 0-7	SB-33 7'
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		0.0-2.0	2.0-2.0	0.0-0.2	0.0-7.0	7.0-7.0
Date Sampled		05/13/04	05/13/04	05/14/04	05/14/04	05/14/04
Parameter	Units					
Metals						
Mercury	MG/KG	14.8 J	1.6 J	387	0.371	0.126

Flags assigned during chemistry validation are shown

MADE BY: AMK_9/27/04
 CHECKED BY: JUL 9/28/04

Detection Limits shown are MDL

Advanced Selection Table 2
 N:\1171065\0000\08\Program\Program.mde
 Printed: 10/4/04 11:48:33 AM
 (LOGDATE) >= 05/10/04 AND (MATRIX) = 'SO' AND (PRCCODE) = 'MET' AND (LABSAMPID) <= 'A445401' AND (LABSAMPID) <= 'A4457001' AND (LABSAMPID) <= 'A4476801' AND
 (LABSAMPID) <= 'A4476801RA' OR (MATRIX) = 'SE'

NIACET CORPORATION SITE #V00373-9

Location ID		SB-034	SB-034	SB-034	SB-034	SB-035
Sample ID		SB-34 0-2"	SB-34 0-8	SB-34 8'	SB-34 10.2'	SB-35 0-2"
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		0.0-0.2	0.0-8.0	8.0-8.0	10.2-10.2	0.0-0.2
Date Sampled		05/14/04	05/14/04	05/14/04	05/14/04	05/20/04
Parameter	Units					
Metals						
Mercury	MG/KG	97.2	0.056 B	0.070	0.011 B	13.0 J

MADE BY: AMK 9/27/04
CHECKED BY: JJL 9/28/04

MADE BY: AMK 9/27/04
CHECKED BY: JJL 9/28/04

Advanced Selection Table 2
N 11171565 000000DBProgramProgram.mde
Printed 10/10/04 11:46:33 AM
LOGDATE) =: #510644 AND ([MATRIX] = 'SO' AND [PRCODE] = 'MET' AND [LABSAMPLE] <> A444501 AND [LABSAMPLE] <> A44457001 AND [LABSAMPLE] <> A4478901 AND
[LABSAMPLE] <> A4478601) OR ([MATRIX] = 'SE'

TABLE 2
VALIDATED SOIL SAMPLE RESULTS
VOLUNTARY CLEANUP PROGRAM
NIACET CORPORATION SITE #V00373-9

Location ID		SB-035	SB-035	SB-036	SB-036	SB-036
Sample ID		SB-35-0-7.5'	SB-35-7.5'	SB-36-0-2"	SB-36-0-8.5'	SB-36-9'
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		0.0-7.5	7.5-7.5	0.0-0.2	0.0-8.5	9.0-9.0
Date Sampled		05/20/04	05/20/04	05/20/04	05/20/04	05/20/04
Parameter	Units					
Metals						
Mercury	MG/KG	19.7 J	2.1 J	20.8 J	3.0 J	22.0 J

Flags assigned during chemistry validation are shown

MADE BY: __AMK_9/27/04__

CHECKED BY: __JJL_9/28/04__

Detection Limits shown are MDL

Advanced Selection Table 2
N:\11171081\00000008\Program\Program.mde
Printed: 10/1/04 11:48:33 AM
[LOGDATE] >= '05/19/04' AND ([MATRIX] = 'SO' AND [PRCODE] = 'ME' AND [LABSAMPLE] <> 'A445401' AND [LABSAMPLE] <> 'A4457001' AND [LABSAMPLE] <> 'A4479801' AND
[LABSAMPLE] <> 'A4479801RA') OR [MATRIX] = 'SE'

TABLE 2
VALIDATED SOIL SAMPLE RESULTS
VOLUNTARY CLEANUP PROGRAM
NIACET CORPORATION SITE #V00373-9

Location ID		SB-037	SB-037	SB-037	SB-038/MW-05	SB-038/MW-05
Sample ID		SB-37-0-2"	SB-37-0-7"	SB-37-7"	SB-38-0-4.5	SB-38-4.5
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		0.0-0.2	0.0-7.0	7.0-7.0	0.0-4.5	4.5-4.5
Date Sampled		05/24/04	05/24/04	05/24/04	05/25/04	05/25/04
Parameter	Units					
Metals						
Mercury	MG/KG	8.6	0.091	0.100	0.383 J	0.719 J

Flags assigned during chemistry validation are shown.

MADE BY: AMK 9/27/04

CHECKED BY: JJL 9/28/04

Detection Limits shown are MDL

Advanced Selection Table 2
 N:\11171085\0000208\Program\Program.mde
 Printed: 10/4/04 11:48:33 AM
 [LOGDATE] = 9/5/04 AND ([MATRIX] = 'SO' AND [PRCODE] = 'MET' AND [LABSAMPID] <> 'A445401' AND [LABSAMPID] <> 'A4457001' AND [LABSAMPID] <> 'A4478001' AND [LABSAMPID] <> 'A4478001RA') OR [MATRIX] = 'SE'

TABLE 2
VALIDATED SOIL SAMPLE RESULTS
VOLUNTARY CLEANUP PROGRAM
NIACET CORPORATION SITE #V00373-9

Location ID		SB-039	SB-039	SB-039	SB-039	SB-040
Sample ID		SB-39 0-2"	SB-39 0-11'	SB-39 2'	SB-39 11'	SB-40 0-2"
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		0.0-0.2	0.0-11.0	2.0-2.0	11.0-11.0	0.0-0.2
Date Sampled		05/14/04	05/14/04	05/14/04	05/14/04	05/20/04
Parameter	Units					
Metals						
Mercury	MG/KG	276	16	5,750	0.395	109 J

Flags assigned during chemistry validation are shown.

MADE BY: AMK_9/27/04
 CHECKED BY: JJL_9/28/04

Detection Limits shown are MDL

Advanced Selection Table 2
 N:\11171045\00000\08\Program\Program.mde
 Printed: 10/4/04 11:48:33 AM
 [LOGDATE] = 9/5/2004 AND ([MATRIX] = 'SO' AND [PRCODE] = 'MET' AND [LABSAMPID] <> 'A445401' AND [LABSAMPID] <> 'A4457001' AND [LABSAMPID] <> 'A4478801' AND
 [LABSAMPID] <> 'A4478801RA') OR [MATRIX] = 'SE'

TABLE 2
VALIDATED SOIL SAMPLE RESULTS
VOLUNTARY CLEANUP PROGRAM
NIACET CORPORATION SITE #V00373-9

Location ID		SB-040	SB-040	SB-041	SB-041	SB-041
Sample ID		SB-40-0-9'	SB-40-9'	SB-41-0-2"	SB-41-0-11'	SB-41-11'
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		0.0-9.0	9.0-9.0	0.0-0.2	0.0-11.0	11.0-11.0
Date Sampled		05/20/04	05/20/04	05/20/04	05/20/04	05/20/04
Parameter	Units					
Metals						
Mercury	MG/KG	13.6 J	0.421 J	26.7 J	10.3 J	616 J

Flags assigned during chemistry validation are shown.

MADE BY: AMK_9/27/04

CHECKED BY: JJL 9/28/04

Detection Limits shown are MDL

Advanced Selection Table 2
N:\11171085\00000026\Program\Program.mde
Printed: 10/4/04 11:48:33 AM
[LOGDATE] = '05/10/04' AND ([MATRIX] = 'SO' AND [PRCODE] = 'MET' AND [LABSAMPLE] <> 'A445401' AND [LABSAMPLE] <> 'A4457001' AND [LABSAMPLE] <> 'A447801' AND [LABSAMPLE] <> 'A447801' OR [MATRIX] = 'SE'

TABLE 2
VALIDATED SOIL SAMPLE RESULTS
VOLUNTARY CLEANUP PROGRAM
NIACET CORPORATION SITE #V00373-9

Location ID		SB-042	SB-042	SB-042	SB-043	SB-043
Sample ID		SB-42-0-2"	SB-42-0-10'	SB-42-11'	SB-43-0-2"	SB-43-0-9'
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		0.0-0.2	0.0-10.0	11.0-11.0	0.0-0.2	0.0-9.0
Date Sampled		05/20/04	05/20/04	05/20/04	05/20/04	05/20/04
Parameter	Units					
Metals						
Mercury	MG/KG	29.7 J	62.1 J	2.7 J	17.7 J	0.129 J

Flags assigned during chemistry validation are shown

MADE BY: AMK_9/27/04

CHECKED BY: JIL 9/28/04

Detection Limits shown are MDL

Advanced Selection Table 2
M111171055 000007DEVProgramProgram.mde
Printed: 10/4/04 11:48:33 AM
[LOGDATE] = 05/10/04 AND ([MATRIX] = 'SO' AND [PRCODE] = 'MET' AND [LABSAMPID] = 'A445401' AND [LABSAMPID] <> 'A4457001' AND [LABSAMPID] <> 'A4476801' AND [LABSAMPID] <> 'A4476801RA') OR [MATRIX] = 'SE'

TABLE 2
VALIDATED SOIL SAMPLE RESULTS
VOLUNTARY CLEANUP PROGRAM
NIACET CORPORATION SITE #V00373-9

Location ID		SB-043	SB-044/MW-06	SB-044/MW-06	SB-044/MW-06	SB-045
Sample ID		SB-43-9"	SB-44-4.5	SB-44-0-2"	SB-44-0-4.5	SB-45-0-11.5
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		9.0-9.0	0.0-0.2	0.0-2.0	0.0-4.5	0.0-11.5
Date Sampled		05/20/04	05/25/04	05/25/04	05/25/04	05/17/04
Parameter	Units					
Metals						
Mercury	MG/KG	0.145 J	0.055 BJ	24.1 J	0.746 J	0.132

Flags assigned during chemistry validation are shown

MADE BY ___AMK_9/27/04___

CHECKED BY ___JJL 9/28/04___

Detection Limits shown are MDL

Advanced Selection: Table 2
N:\11171085\000000\DR\Program\Program.mde
Printed: 10/24/04 11:48:33 AM
[LOGDATE] >= 9/5/04 AND [MATRIX] = 'SO' AND [PRCODE] = 'MET' AND [LABSAMPID] <> 'A445401' AND [LABSAMPID] <> 'A445700' AND [LABSAMPID] <> 'A447660' AND
[LABSAMPID] <> 'A447660' OR [MATRIX] = 'SE'

Advanced Selection Table 2
N:11171095.000000BProgramProgram.mde
Printed: 10/04/04 11:48:33 AM
[LOGDATE] >= 851004# AND [MATRIX] <= 'S' AND [PRCODE] <= 'M' AND [LABSAMPID] <= 'A4445401' AND [LABSAMPID] <= 'A4457001' AND [LABSAMPID] <= 'A4478001' AND [LABSAMPID] <= 'A4478011A' OR [MATRIX] = 'SE'

TABLE 2
VALIDATED SOIL SAMPLE RESULTS
VOLUNTARY CLEANUP PROGRAM
NIACET CORPORATION SITE #V00373-9

Location ID		SB-047	SB-047	SB-048/MW-07	SB-048/MW-07	SB-048/MW-07
Sample ID		SB-47-0-9'	SB-47-9'	SB-48-0-2"	SB-48-0-4'	SB-48-4'
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		0.0-9.0	9.0-9.0	0.0-2.0	0.0-4.0	4.0-4.0
Date Sampled		05/20/04	05/20/04	05/25/04	05/25/04	05/25/04
Parameter	Units					
Metals						
Mercury	MG/KG	0.870 J	0.580 J	53.9 J	22.8 J	20.3 J

Flags assigned during chemistry validation are shown

MADE BY: AMK_9/27/04

CHECKED BY: JLL_9/28/04

Detection Limits shown are MDL

Advanced Selection: Table 2
N:\11171065\00000006\Program\Program.mxd
Printed: 10/4/04 11:48:33 AM
[LOGDATE] = 05/10/04 AND ([MATRIX] = 'SO' AND [PROCODE] = 'MET' AND [LABSAMPLEID] <> 'A445101' AND [LABSAMPLEID] <> 'A4457001' AND [LABSAMPLEID] <> 'A447801' AND [LABSAMPLEID] <> 'A447801' OR [MATRIX] = 'SE'

TABLE 2
VALIDATED SOIL SAMPLE RESULTS
VOLUNTARY CLEANUP PROGRAM
NIACET CORPORATION SITE #V00373-9

Location ID		SB-049	SB-049	SB-049	SB-050	SB-050
Sample ID		SB-49-0-2	SB-49-0-8	SB-49-8	SB-50-0-2"	SB-50-0-9'
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		0.0-0.2	0.0-8.0	8.0-8.0	0.0-0.2	0.0-9.0
Date Sampled		05/17/04	05/17/04	05/17/04	05/19/04	05/19/04
Parameter	Units					
Metals						
Mercury	MG/KG	337	35.8	37.4	R	277

Flags assigned during chemistry validation are shown.

MADE BY: AMK 9/27/04
 CHECKED BY: JUL 9/28/04

Detection Limits shown are MDL

Advanced Selection Table 2
 N:\11171385\00007\DEP\Programs\Program.mde
 Printed: 10/4/04 11:48:34 AM
 [LOGDATE] == PS10B4K AND [MATRIX] = 'SO' AND [PRCPCODE] = 'MET' AND [LABSAMPID] <> AAA501 AND [LABSAMPID] <> AA457001 AND [LABSAMPID] <> AA418011 AND
 [LABSAMPID] <> AA475001RA | OR [MATRIX] = 'SE'

TABLE 2
VALIDATED SOIL SAMPLE RESULTS
VOLUNTARY CLEANUP PROGRAM
NIACET CORPORATION SITE #V00373-9

Location ID		SB-050	SB-051	SB-051	SB-051	SB-052
Sample ID		SB-50-9'	SB-51-0-2"	SB-51-0-9'	SB-51-9'	SB-52-0-2"
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		9.0-9.0	0.0-0.2	0.0-9.0	9.0-9.0	0.0-0.2
Date Sampled		05/19/04	05/19/04	05/19/04	05/19/04	05/24/04
Parameter	Units					
Metals						
Mercury	MG/KG	6,280	R	598	609	7.6

Flags assigned during chemistry validation are shown.

MADE BY: AMK 9/27/04

CHECKED BY: JJL 9/28/04

Detection Limits shown are MDL

Advanced Selection Table 2
N:\11171085\00000\08\Program\Program.mde
Printed: 10/10/04 11:48:34 AM
([LOGDATE] >= 9/5/00) AND ([MATRIX] = 'SO' AND [PRCODE] = 'MET' AND [LABSAMPLE] <> 'A445401' AND [LABSAMPLE] <> 'A445701' AND [LABSAMPLE] <> 'A447680' AND
([LABSAMPLE] <> 'A447680' OR [MATRIX] = 'SE'

TABLE 2
VALIDATED SOIL SAMPLE RESULTS
VOLUNTARY CLEANUP PROGRAM
NIACET CORPORATION SITE #V00373-9

Location ID		SB-052	SB-052	SB-053	SB-053	SB-053
Sample ID		SB-52-0-8"	SB-52-8"	SB-53-0-2"	SB-53-0-8"	SB-53-8"
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		0.0-8.0	8.0-8.0	0.0-0.2	0.0-8.0	8.0-8.0
Date Sampled		05/24/04	05/24/04	05/17/04	05/17/04	05/17/04
Parameter	Units					
Metals						
Mercury	MG/KG	0.049 B	0.036 B	1,600	28.7	29.7

Flags assigned during chemistry validation are shown.

MADE BY: AMK_9/27/04
 CHECKED BY: JJL_9/28/04

Detection Limits shown are MDL.

Advanced Selection: Table 2
 H:\11171085\00000708\Program\Program.mde
 Printed: 10/4/04 11:48:34 AM
 [LOADDATE] >= 05/10/04 AND ([MATRIX] = 'SO' AND ([PRCODE] = 'MET' AND ([LABSAMPID] <> 'A445401' AND ([LABSAMPID] <> 'A4457001' AND ([LABSAMPID] <> 'A4457001' AND ([LABSAMPID] <> 'A4478011R' ; OR ([MATRIX] = 'SE'

TABLE 2
VALIDATED SOIL SAMPLE RESULTS
VOLUNTARY CLEANUP PROGRAM
NIACET CORPORATION SITE #V00373-9

Location ID		SB-054/PZ-09	SB-054/PZ-09	SB-054/PZ-09	SB-055	SB-055
Sample ID		SB-54-0-2"	SB-54-0-6'	SB-54-6'	SB-55-0-2"	SB-55-0-7'
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		0.0-0.2	0.0-6.0	6.0-6.0	0.0-0.2	0.0-7.0
Date Sampled		05/19/04	05/19/04	05/19/04	05/24/04	05/24/04
Parameter	Units					
Metals						
Mercury	MG/KG	51.7	1.7	R	3.2	1.0

Flags assigned during chemistry validation are shown

MADE BY: AMK_9/27/04

CHECKED BY: JUL 9/28/04

Detection Limits shown are MDL

Advanced Selection: Table 2
N:\11171085\00000\28\Program\Program.mde
Printed: 10/10/04 11:48:34 AM
[LOGDATE] >= 9/5/04 AND ([MATRIX] = 'SO' AND [PRCODE] = 'MET' AND [LABSAMPID] <> 'A445401' AND [LABSAMPID] <> 'A4457001' AND [LABSAMPID] <> 'A4479001' AND [LABSAMPID] <> 'A4479001' AND [LABSAMPID] <> 'A4479001' OR [MATRIX] = 'SE'

TABLE 2
VALIDATED SOIL SAMPLE RESULTS
VOLUNTARY CLEANUP PROGRAM
NIACET CORPORATION SITE #V00373-9

Location ID		SB-055	SB-056/MW-03	SB-056/MW-03	SB-056/MW-03	SB-057
Sample ID		SB-55-7'	SB-56-0-2"	SB-56-0-5'	SB-56-5'	SB-57-0-2
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		7.0-7.0	0.0-0.2	0.0-5.0	5.0-5.0	0.0-0.2
Date Sampled		05/24/04	05/21/04	05/21/04	05/21/04	05/17/04
Parameter	Units					
Metals						
Mercury	MG/KG	7.7	23.5	0.335	0.320	41.3

Flags assigned during chemistry validation are shown

MADE BY: AMK_9/27/04

CHECKED BY: JJL 9/28/04

Detection Limits shown are MDL

Advanced Selection Table 2
 N:\1117105\00007\DE\Program\Program.mde
 Printed: 10/4/04 11:48:34 AM
 [LOGDATE] <> '9/10/04' AND [MATRIX] = 'SO' AND [PRCODE] = 'MET' AND [LABSAMPLE] <> 'A445401' AND [LABSAMPLE] <> 'A445700' AND [LABSAMPLE] <> 'A447600' AND [LABSAMPLE] <> 'A447601' OR [MATRIX] = 'SE'

TABLE 2
VALIDATED SOIL SAMPLE RESULTS
VOLUNTARY CLEANUP PROGRAM
NIACET CORPORATION SITE #V00373-9

Location ID		SB-057	SB-057	SB-058	SB-058	SB-058
Sample ID		SB-57-0-5	SB-57-5	SB-58-0-2"	SB-58-0-6'	SB-58-6'
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		0.0-5.0	5.0-5.0	0.0-0.2	0.0-6.0	6.0-6.0
Date Sampled		05/17/04	05/17/04	05/19/04	05/19/04	05/19/04
Parameter	Units					
Metals						
Mercury	MG/KG	104	2,790	119	1.5	R

Flags assigned during chemistry validation are shown

MADE BY: AMK_9/27/04

CHECKED BY: JJL 9/28/04

Detection Limits shown are MDL

Advanced Selection Table 2
N:\11171085.0000\OBProgram\Program.mde
Printed: 10/04/11 10:34 AM
[LOGDATE] <> '5/10/04' AND ([MATRIX] = 'SO' AND [PRCODE] = 'MET' AND [LABSAMPID] <> 'A445401' AND [LABSAMPID] <> 'A445701' AND [LABSAMPID] <> 'A447901' AND
[LABSAMPID] <> 'A447901' OR [MATRIX] = 'SE'

TABLE 2
VALIDATED SOIL SAMPLE RESULTS
VOLUNTARY CLEANUP PROGRAM
NIACET CORPORATION SITE #V00373-9

Location ID		SB-059	SB-059	SB-059	SB-060	SB-060
Sample ID		SB-59-0-2"	SB-59-0-5"	SB-59-5'	SB-60-0-2"	SB-60-0-4.5'
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		0.0-0.2	0.0-5.0	5.0-5.0	0.0-0.2	0.0-4.5
Date Sampled		05/19/04	05/19/04	05/19/04	05/21/04	05/21/04
Parameter	Units					
Metals						
Mercury	MG/KG	631	13.5	R	12.0	0.465

Flags assigned during chemistry validation are shown

MADE BY ___AMK_9/27/04___
 CHECKED BY ___JJL_9/28/04___

Detection Limits shown are MDL

Advanced Selection Table 2
 N:\11171085\00000000\Program\Program.mde
 Printed: 10/4/04 11:48:34 AM

[LOGDATE] = ** 05/19/04 AND ([MATRIX] = 'SO' AND [PRCODE] = 'MET' AND [LABSAMPLE] <> 'AA45401' AND [LABSAMPLE] <> 'AA457001' AND [LABSAMPLE] <> 'AA470001' AND [LABSAMPLE] <> 'AA47001RA') OR [MATRIX] = 'SE'

TABLE 2
VALIDATED SOIL SAMPLE RESULTS
VOLUNTARY CLEANUP PROGRAM
NIACET CORPORATION SITE #V00373-9

Location ID		SB-060	SB-061/PZ-07	SB-061/PZ-07	SB-061/PZ-07	SB-062
Sample ID		SB-60-4.5'	SB-61-0-2	SB-61-0-6	SB-61-7	SB-62-0-2
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		4.5-4.5	0.0-0.2	0.0-6.0	7.0-7.0	0.0-0.2
Date Sampled		05/21/04	05/17/04	05/17/04	05/17/04	05/17/04
Parameter	Units					
Metals						
Mercury	MG/KG	0.929	433	34.2	70.9	634

Flags assigned during chemistry validation are shown.

MADE BY: AMK_9/27/04
 CHECKED BY: JJL_9/28/04

Detection Limits shown are MDL

Advanced Extraction Table 2
 N:\11171085\00000\08\Program\Program.mde
 Printed: 10/24/04 11:43:34 AM
 LOGDATE] <> '5/10/04' AND ([MATRIX] = 'SO' AND [PRCODE] = 'MET' AND [LABSAMPLE] <> '4445401' AND [LABSAMPLE] <> '44457001' AND [LABSAMPLE] <> '4447801' AND
 [LABSAMPLE] <> '4447801R') OR [MATRIX] = 'SE'

TABLE 2
VALIDATED SOIL SAMPLE RESULTS
VOLUNTARY CLEANUP PROGRAM
NIACET CORPORATION SITE #V00373-9

Location ID		SB-062	SB-062	SB-063/PZ-08	SB-063/PZ-08	SB-063/PZ-08
Sample ID		SB-62-0-7	SB-62-7	SB-63-0-2"	SB-63-0-4.5"	SB-63-4.5"
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		0.0-7.0	7.0-7.0	0.0-0.2	0.0-4.5	4.5-4.5
Date Sampled		05/17/04	05/17/04	05/19/04	05/19/04	05/19/04
Parameter	Units					
Metals						
Mercury	MG/KG	1.4	0.587	426	40.3	18.2

Flags assigned during chemistry validation are shown.

MADE BY: AMK_9/27/04
 CHECKED BY: JJL_9/28/04

Detection Limits shown are MDL

Advanced Selection: Table 2
 N:\11171085\000001\BSPProgramProgram.mdo
 Printed: 10/6/04 11:48:34 AM
 [LOGDATE] <> '05/10/04' AND ([MATRIX] = 'SO' AND [PRCCODE] = 'MET' AND [LABSAMPLE] <> 'A445401' AND [LABSAMPLE] <> 'A4457001' AND [LABSAMPLE] <> 'A4479801' AND [LABSAMPLE] <> 'A4479801(RA') OR [MATRIX] = 'SE'

TABLE 2
VALIDATED SOIL SAMPLE RESULTS
VOLUNTARY CLEANUP PROGRAM
NIACET CORPORATION SITE #V00373-9

Location ID		SB-064	SB-064	SB-064	SB-065	SB-065
Sample ID		SB-64-0-2"	SB-64-0-3.5'	SB-64-3.5'	SB-65-0-3'	SB-65-3'
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		0.0-0.2	0.0-3.5	3.5-3.5	0.0-3.0	3.0-3.0
Date Sampled		05/21/04	05/21/04	05/21/04	05/25/04	05/25/04
Parameter	Units					
Metals						
Mercury	MG/KG	1.240	1.7	2.0	15.5 J	23.5 J

Flags assigned during chemistry validation are shown.

MADE BY: AMK_9/27/04

CHECKED BY: JJL_9/28/04

Detection Limits shown are MDL

Advanced Selection Table 2
 N:\11171055\0000028\Program\Program.mdb
 Printed: 10/4/04 11:48:34 AM
 [LOGDATE] = '5/10/04' AND ([MATRIX] = 'SO' AND [PRCODE] = 'MET' AND [LABSAMPLEID] <> 'A445401' AND [LABSAMPLEID] <> 'A4457001' AND [LABSAMPLEID] <> 'A447901' AND [LABSAMPLEID] <> 'A4479011A') OR [MATRIX] = 'SE'

TABLE 2
VALIDATED SOIL SAMPLE RESULTS
VOLUNTARY CLEANUP PROGRAM
NIACET CORPORATION SITE #V00373-9

Location ID		SB-066	SB-066	SB-066	SB-067	SB-067
Sample ID		SB-66-0-2"	SB-66-0-1.9'	SB-66-1.9'	SB-67-0-4.5	SB-67-4.5
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		0.0-0.2	0.0-1.9	1.9-1.9	0.0-4.5	4.5-4.5
Date Sampled		05/18/04	05/18/04	05/18/04	05/18/04	05/18/04
Parameter	Units					
Metals						
Mercury	MG/KG	65.9 J	638 J	4.7 J	170 J	12.5 J

Flags assigned during chemistry validation are shown

MADE BY: __AMK_9/27/04__

CHECKED BY: __JL_9/28/04__

Detection Limits shown are MDL

Advanced Selection Table 2
 N:\11171085\00000000\Program\Program.mxd
 Printed: 10/4/04 11:48:35 AM
 [LOGDATE] >= 05/10/04 AND [MATRIX] = 'SO' AND [PRCODE] = 'MET' AND [LABSAMPID] <> '4445401' AND [LABSAMPID] <> '44457001' AND [LABSAMPID] <> '44478001' AND
 [LABSAMPID] <> '44478001RA' OR [MATRIX] = 'SE'

TABLE 2
VALIDATED SOIL SAMPLE RESULTS
VOLUNTARY CLEANUP PROGRAM
NIACET CORPORATION SITE #V00373-9

Location ID		SB-068	SB-068	SB-069	SB-069	SB-069
Sample ID		SB-68-0-1.3'	SB-68-1.3'	SB-69-0-2"	SB-69-0-1'	SB-69-1'
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		0.0-1.3	1.3-1.3	0.0-0.2	0.0-1.0	1.0-1.0
Date Sampled		05/18/04	05/18/04	05/18/04	05/18/04	05/18/04
Parameter	Units					
Metals						
Mercury	MG/KG	139 J	19.2 J	180 J	63.1 J	66.0 J

Flags assigned during chemistry validation are shown.

MADE BY: AMK_9/27/04
 CHECKED BY: JJL_9/28/04

Detection Limits shown are MDL

Advanced Selection Table 2
 N111171085 000001DBProgramProgram.mde
 Printed 10/4/04 11:48:35 AM
 [LOGDATE] <> '05/10/04' AND ([MATRIX] = 'SO' AND [PRCODE] = 'MET' AND [LABSAMPID] <> 'A445401' AND [LABSAMPID] <> 'A4457001' AND [LABSAMPID] <> 'A4478801' AND [LABSAMPID] <> 'A4478801RA') OR [MATRIX] = 'SE'

TABLE 2
VALIDATED SOIL SAMPLE RESULTS
VOLUNTARY CLEANUP PROGRAM
NIACET CORPORATION SITE #V00373-9

Location ID		SB-070	SB-070	SB-070	SB-071	SB-071
Sample ID		SB-70-0-2"	SB-70-0-4"	SB-70-4"	SB-71-0-2"	SB-71-0-3"
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		0.0-0.2	0.0-4.0	4.0-4.0	0.0-0.2	0.0-3.0
Date Sampled		05/18/04	05/18/04	05/18/04	05/18/04	05/18/04
Parameter	Units					
Metals						
Mercury	MG/KG	1,070 J	278 J	3,470 J	292 J	194 J

Flags assigned during chemistry validation are shown.

MADE BY: __AMK_9/27/04__

CHECKED BY: __JL 9/28/04__

Detection Limits shown are MDL

Advanced Selection Table 2
 N:\11171085\00000-CBP\Program\Program.mde
 Printed: 10/6/04 11:43:35 AM
 [LOGDATE] = '05/18/04' AND [MATRIX] = 'SO' AND [PRCODE] = 'MET' AND [LABSAMPLE] = 'A4445101' AND [LABSAMPLE] = 'A4457001' AND [LABSAMPLE] = 'A4476801' AND
 [LABSAMPLE] = 'A4476801' OR [MATRIX] = 'SE'

TABLE 2
VALIDATED SOIL SAMPLE RESULTS
VOLUNTARY CLEANUP PROGRAM
NIACET CORPORATION SITE #V00373-9

Location ID		SB-071	SB-072	SB-072	SB-072	SB-073
Sample ID		SB-71-3'	SB-72-0-2"	SB-72-0-2'	SB-72-2'	SB-73-0-2"
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		3.0-3.0	0.0-0.2	0.0-2.0	2.0-2.0	0.0-0.2
Date Sampled		05/18/04	05/18/04	05/18/04	05/18/04	05/18/04
Parameter	Units					
Metals						
Mercury	MG/KG	115 J	270 J	477 J	319 J	103 J

Flags assigned during chemistry validation are shown

MADE BY: AMK_9/27/04

CHECKED BY: JUL 9/28/04

Detection Limits shown are MDL

Advanced Selection: Table 2
N:\11171385\00000\09-Program\Program.mde
Printed: 10-09-04 11:48:25 AM
[LOGDATE] >= 9/10/04 AND ([MATRIX] = 'SO' AND [PRECODE] = 'MET' AND [LABSAMPLE] <> 'A445401' AND [LABSAMPLE] <> 'A445701' AND [LABSAMPLE] <> 'A447901' AND
[LABSAMPLE] <> 'A447901RA') OR [MATRIX] = 'SE'

TABLE 2
VALIDATED SOIL SAMPLE RESULTS
VOLUNTARY CLEANUP PROGRAM
NIACET CORPORATION SITE #V00373-9

Location ID		SB-073	SB-073	SB-073	SB-074	SB-074
Sample ID		SB-73-0-1'	SB-73-0-2'	SB-73-2'	SB-74-0-2"	SB-74-0-1
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		0.0-1.0	0.0-2.0	2.0-2.0	0.0-0.2	0.0-1.0
Date Sampled		05/18/04	05/18/04	05/18/04	05/18/04	05/18/04
Parameter	Units					
Metals						
Mercury	MG/KG	2,110 J	1,030 J	7.5 J	400 J	421 J

Flags assigned during chemistry validation are shown

MADE BY: AMK_9/27/04

CHECKED BY: JUL_9/28/04

Detection Limits shown are MDL

[LOGDATE] >> 05/18/04 AND [MATRIX] = 'SO' AND [PRICCODE] = 'MET' AND [LABSAMPID] <> A445401' AND [LABSAMPID] <> A4457001' AND [LABSAMPID] <> A4476801 AND [LABSAMPID] <> A4476801RA | OR [MATRIX] = 'SE'

Advanced Selection Table 2
 N:\11171065\00000008 Program\Program.mde
 Printed: 10/10/04 11:48:35 AM

TABLE 2
VALIDATED SOIL SAMPLE RESULTS
VOLUNTARY CLEANUP PROGRAM
NIACET CORPORATION SITE #V00373-9

Location ID		SB-074	SB-074	SB-075	SB-075	SB-075
Sample ID		SB-74-1	SB-74-3.5'	SB-75-0-2"	SB-75-0-2'	SB-75-1'
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		1.0-1.0	3.5-3.5	0.0-0.2	0.0-2.0	1.0-1.0
Date Sampled		05/18/04	05/18/04	05/21/04	05/21/04	05/21/04
Parameter	Units					
Metals						
Mercury	MG/KG	19.6 J	5.6 J	711	90.4	2,000

Flags assigned during chemistry validation are shown

MADE BY: __AMK_9/27/04__

CHECKED BY: __JJL_9/28/04__

Detection Limits shown are MDL

Advanced Selection: Table 2
N:\11171065\000000\DR\Program\Program.mde
Printed: 10/4/04 11:48:35 AM

[LOGDATE] = 05/18/04 AND ([MATRIX] = 'SO' AND [PRECODE] = 'MET' AND [LABSAMPID] <> 'A445401' AND [LABSAMPID] <> 'A4457001' AND [LABSAMPID] <> 'A447001' AND [LABSAMPID] <> 'A447001RA') OR [MATRIX] = 'SE'

TABLE 2
VALIDATED SOIL SAMPLE RESULTS
VOLUNTARY CLEANUP PROGRAM
NIACET CORPORATION SITE #V00373-9

Location ID		SB-075	SB-076	SB-076	SB-076	SB-077
Sample ID		SB-75-2'	SB-76-0-2"	SB-76-0-4.5'	SB-76-4.5'	SB-77-0-2"
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		2.0-2.0	0.0-0.2	0.0-4.5	4.5-4.5	0.0-0.2
Date Sampled		05/21/04	05/21/04	05/21/04	05/21/04	05/18/04
Parameter	Units					
Metals						
Mercury	MG/KG	43.1	48.7	29.4	12.5	95.5 J

Flags assigned during chemistry validation are shown.

MADE BY: AMK 9/27/04
 CHECKED BY: JJL 9/28/04

Detection Limits shown are MDL

Advanced Selection: Table 2
 N:\11171025\00000-DDA\ugm\Program.mde
 Printed: 10/6/04 11:48:35 AM

[LOGDATE] <> '9/18/04' AND ([MATRIX] = 'SO' AND 'PRCODE' = 'MET' AND [LABSAMPID] <> 'A445401' AND [LABSAMPID] <> 'A4457001' AND [LABSAMPID] <> 'A4475001' AND [LABSAMPID] <> 'A4475011A') OR [MATRIX] = 'SE'

TABLE 2
VALIDATED SOIL SAMPLE RESULTS
VOLUNTARY CLEANUP PROGRAM
NIACET CORPORATION SITE #V00373-9

Location ID		SB-077	SB-077	SB-078	SB-078	SB-079
Sample ID		SB-77-0-2'	SB-77-2'	SB-78-0-4'	SB-78-4'	SB-79-0-2'
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		0.0-2.0	2.0-2.0	0.0-4.0	4.0-4.0	0.0-0.2
Date Sampled		05/18/04	05/18/04	05/25/04	05/25/04	05/19/04
Parameter	Units					
Metals						
Mercury	MG/KG	54.4 J	0.868 J	0.046 BJ	1.3 J	23.7

Flags assigned during chemistry validation are shown

MADE BY: __AMK_9/27/04__
 CHECKED BY __JJL_9/28/04__

Detection Limits shown are MDL

Advanced Selection Table 2
 N:\1171925\00000\000000\Program\Program.mde
 Printed: 10/4/04 11:48:35 AM
 [LOGDATE] <= 9/5/04 AND ([MATRIX] = 'SO' AND [PRCCODE] = 'MET' AND [LABSAMPID] <= 'A445401' AND [LABSAMPID] <= 'A4457001' AND [LABSAMPID] <= 'A4478801' AND
 [LABSAMPID] <= 'A4478801RA') OR [MATRIX] = 'SE'

TABLE 2
VALIDATED SOIL SAMPLE RESULTS
VOLUNTARY CLEANUP PROGRAM
NIACET CORPORATION SITE #V00373-9

Location ID		SB-079	SB-079	SB-080/MW-02	SB-080/MW-02	SB-080/MW-02
Sample ID		SB-79-0-7'	SB-79-7.5	SB-80-0-2"	SB-80-0-9'	SB-80-9'
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		0.0-7.0	7.5-7.5	0.0-0.2	0.0-9.0	9.0-9.0
Date Sampled		05/19/04	05/19/04	05/19/04	05/19/04	05/19/04
Parameter	Units					
Metals						
Mercury	MG/KG	7.5	R	R	4.110	483

Flags assigned during chemistry validation are shown.

MADE BY: ___AMK_9/27/04___

CHECKED BY: ___JUL_9/28/04___

Detection Limits shown are MDL

Advanced Selection Table 2
 N:\11171025\00000\09Program\Program.mde
 Printed: 10/4/04 11:48:35 AM
 LOGDATE) = '05/19/04' AND ([MATRIX] = 'SO' AND (PRECODE) = 'MET' AND ([ABSAMPID] <> 'A4415401' AND ([ABSAMPID] <> 'A44157001' AND ([ABSAMPID] <> 'A4415901' AND ([ABSAMPID] <> 'A4416001' OR [MATRIX] = 'SE'

TABLE 2
VALIDATED SOIL SAMPLE RESULTS
VOLUNTARY CLEANUP PROGRAM
NIACET CORPORATION SITE #V00373-9

Location ID		SB-081/PZ-12	SB-081/PZ-12	SB-081/PZ-12	SB-082/PZ-13	SB-082/PZ-13
Sample ID		SB-81 0-2	SB-81 0-4	SB-81 4	SB-82 0-2	SB-82 0-4
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		0.0-0.2	0.0-1.0	4.0-4.0	0.0-0.2	0.0-4.0
Date Sampled		05/26/04	05/26/04	05/26/04	05/26/04	05/26/04
Parameter	Units					
Metals						
Mercury	MG/KG	30.8	0.041 B	0.023 U	186 J	0.249

Flags assigned during chemistry validation are shown

MADE BY: __AMK_ 9/27/04__

CHECKED BY: __JUL_ 9/28/04__

Detection Limits shown are MDL

Advanced Selection: Table 2
N:\11171085\00000\EB\Program\Program.mde
Printed: 10/6/04 11:48:35 AM
[LOGDATE] <> '9/16/04' AND [MATRIX] = 'SO' AND [PRCODE] = 'MET' AND [LABSAMPID] <> 'A445401' AND [LABSAMPID] <> 'A4457001' AND [LABSAMPID] <> 'A447801' AND
[LABSAMPID] <> 'A447801RA') OR ([MATRIX] = 'SE'

TABLE 2
VALIDATED SOIL SAMPLE RESULTS
VOLUNTARY CLEANUP PROGRAM
NIACET CORPORATION SITE #V00373-9

Location ID		SB-082/PZ-13	SB-083	SB-084	SB-085	SB-085
Sample ID		SB-82-4	SB-83-0-2	SB-84-4-6	SB-85-0.5	SB-85B-1
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		4.0-4.0	0.0-2.0	4.0-6.0	0.5-0.5	1.0-1.0
Date Sampled		05/26/04	05/26/04	05/26/04	05/26/04	05/26/04
Parameter	Units					
Metals						
Mercury	MG/KG	0.135	26.1	1,200	887	964

Flags assigned during chemistry validation are shown.

MADE BY: AMK_9/27/04
 CHECKED BY: JIL_9/28/04

Detection Limits shown are MDL

Advanced Selection: Table 2
 H:\11171085\0000\DOProgram\Program.mde
 Printed: 10/4/04 11:48:35 AM
 [LOGDATE] = 05/10/04 AND ([MATRIX] = 'SO' AND [PRCODE] = 'MET' AND [LABSAMPID] <> 'A445401' AND [LABSAMPID] <> 'A445701' AND [LABSAMPID] <> 'A4476801' AND [LABSAMPID] <> 'A4476801' OR [MATRIX] = 'SE'

TABLE 2
VALIDATED SOIL SAMPLE RESULTS
VOLUNTARY CLEANUP PROGRAM
NIACET CORPORATION SITE #V00373-9

Location ID		SB-086	SB-087	SB-090	SB-090	SB-091
Sample ID		SB-86-2-4	SB-87-0-2	SB-90-0-2	SB-90-2-4	SB-91-0-2
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		2.0-4.0	0.0-2.0	0.0-2.0	2.0-4.0	0.0-2.0
Date Sampled		05/26/04	05/26/04	05/27/04	05/27/04	05/27/04
Parameter	Units					
Metals						
Mercury	MG/KG	4.3	96.3	3.930	5.8	496

Flags assigned during chemistry validation are shown.

MADE BY: AMK_9/27/04
 CHECKED BY: JJL_9/28/04

Detection Limits shown are MDL

Advanced Selection Table 2
 N:\11171055\0000028\Program\Program.mde
 Printed: 10/10/04 11:49:36 AM
 [LOGDATE] = 05/10/04 AND [MATRIX] = 'SO' AND [PRCODE] = 'MET' AND [LABSAMPID] = 'A445401' AND [LABSAMPID] = 'A4457001' AND [LABSAMPID] = 'A447801' AND
 [LABSAMPID] = 'A447801RA' OR [MATRIX] = 'SE'

TABLE 2
VALIDATED SOIL SAMPLE RESULTS
VOLUNTARY CLEANUP PROGRAM
NIACET CORPORATION SITE #V00373-9

Location ID		SB-091	SB-092	SB-092	SB-093	SB-093
Sample ID		SB-91-2-4	SB-92-0-2	SB-92-2-4	SB-93-0-2	SB-93-2-4
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		2.0-4.0	0.0-2.0	2.0-4.0	0.0-2.0	2.0-4.0
Date Sampled		05/27/04	05/27/04	05/27/04	05/27/04	05/27/04
Parameter	Units					
Metals						
Mercury	MG/KG	158	4,040	50.1	141	5.3

Flags assigned during chemistry validation are shown.

MADE BY: AMK 9/27/04
 CHECKED BY: JJL 9/28/04

Detection Limits shown are MDL

Advanced Selection Table 2
 N:\11171085.0000\001\Program\Program.mdo
 Printed: 10/10/04 11:43:36 AM
 [LOGDATE] = '05/10/04' AND [MATRIX] = 'SO' AND [PRECODE] = 'MET' AND [LABSAMPID] = 'A445401' AND [LABSAMPID] = 'A4457001' AND [LABSAMPID] = 'A4476001' AND
 [LABSAMPID] = 'A4476010' OR [MATRIX] = 'SE'

Location ID		SB-094	SB-094	SB-095	SB-095	SB-095
Sample ID		SB-94-0-2	SB-94-2-4	SB-95-0-1	SB-95-1-2	SB-95-2-3
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		0.0-2.0	2.0-4.0	0.0-1.0	1.0-2.0	2.0-3.0
Date Sampled		05/27/04	05/27/04	05/27/04	05/27/04	05/27/04
Parameter	Units					
Metals						
Mercury	MG/KG	7.130	0.644	7.330	238	4.7

Detection Limits shown are MDL

TABLE 2
VALIDATED SOIL SAMPLE RESULTS
VOLUNTARY CLEANUP PROGRAM
NIACET CORPORATION SITE #V00373-9

Location ID		SB-096	SB-096	SB-097	SB-097	SB-098
Sample ID		SB-96-0-2'	SB-96-2-4'	SB-97-0-1'	SB-97-1-3'	SB-98-0-1'
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		0.0-2.0	2.0-4.0	0.0-1.0	1.0-3.0	0.0-1.0
Date Sampled		05/27/04	05/27/04	05/27/04	05/27/04	05/27/04
Parameter	Units					
Metals						
Mercury	MG/KG	1,490	0.751	0.792	1.9	558

Flags assigned during chemistry validation are shown.

MADE BY: AMK_9/27/04
 CHECKED BY: JJL 9/28/04

Detection Limits shown are MDL

(LOGDATE) = 05/10/04 AND (MATRIX) = 'SO' AND (PRCODE) = 'MET' AND (LABSAMPID) = 'A445401' AND (LABSAMPID) = 'A445700' AND (LABSAMPID) = 'A447500' AND (LABSAMPID) = 'A4475001RA' OR (MATRIX) = 'SE'

Advanced Selection: Table 2
 M:\11171085\0000108\Program\Program.mde
 Printed: 10/4/04 11:40:36 AM

TABLE 2
VALIDATED SOIL SAMPLE RESULTS
VOLUNTARY CLEANUP PROGRAM
NIACET CORPORATION SITE #V00373-9

Location ID		SB-099	SB-099	SB-100	SB-100	SB-101
Sample ID		SB-99-1.5'	SB-99-2.0'	SB-100-1'	SB-100-2'	SB-101-0-1'
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		1.5-1.5	2.0-2.0	1.0-1.0	2.0-2.0	0.0-10.0
Date Sampled		05/27/04	05/27/04	05/27/04	05/27/04	05/27/04
Parameter	Units					
Metals						
Mercury	MG/KG	155	8.0	38.3	2.0	871

Flags assigned during chemistry validation are shown

MADE BY: __AMK_9/27/04__

CHECKED BY: __JLJ_9/28/04__

Detection Limits shown are MDL

Advanced Selection: Table 2
 N:\1171085\00000006\Program\Program.mde
 Printed: 10/10/04 11:45:36 AM
 [LOGDATE] <> 05/10/04 AND ([MATRIX] = 'SO' AND [PRCODE] = 'MET' AND [LABSAMPLE] <> 'AA45101' AND [LABSAMPLE] <> 'AA45201' AND [LABSAMPLE] <> 'AA47001' AND
 [LABSAMPLE] <> 'AA47001RA') OR ([MATRIX] = 'SE

TABLE 2
VALIDATED SOIL SAMPLE RESULTS
VOLUNTARY CLEANUP PROGRAM
NIACET CORPORATION SITE #V00373-9

Location ID		SB-101	SB-101	SB-102	SB-102	SB-103
Sample ID		SB-101-1-2'	SB-101-2-3'	SB-102-0-2'	SB-102-2-3.9'	SB-103-0-2'
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		1.0-2.0	2.0-3.0	0.0-2.0	2.0-3.9	0.0-2.0
Date Sampled		05/27/04	05/27/04	05/27/04	05/27/04	05/27/04
Parameter	Units					
Metals						
Mercury	MG/KG	95.6	57.2	7,790	7.5	21.9

Flags assigned during chemistry validation are shown.

MADE BY: AMK_9/27/04
 CHECKED BY: JLL_9/28/04

Detection Limits shown are MDL

Advanced Selection: Table 2
 N:\11171085\00000008\Program\Program.mde
 Printed: 10/4/04 11:45:36 AM
 [LOGDATE] >= '9/1/04' AND ([MATRIX] = 'SO' AND [PRCODE] = 'MET' AND [LABSAMPID] <> 'A445401' AND [LABSAMPID] <> 'A4457001' AND [LABSAMPID] <> 'A4475001' AND [LABSAMPID] <> 'A4475001RA') OR [MATRIX] = 'SE'

TABLE 2
VALIDATED SOIL SAMPLE RESULTS
VOLUNTARY CLEANUP PROGRAM
NIACET CORPORATION SITE #V00373-9

Location ID		SB-103	SB-104	SB-104	SB-105	SB-106
Sample ID		SB-103-2-4'	SB-104-0-2'	SB-104-2-4'	SB-105-0-2'	MW-02-0-2"
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		2.0-4.0	0.0-2.0	2.0-4.0	0.0-2.0	0.0-0.2
Date Sampled		05/27/04	05/27/04	05/27/04	05/27/04	05/18/04
Parameter	Units					
Metals						
Mercury	MG/KG	16.9	13,100	19.3	6.3	1.7 J

Flags assigned during chemistry validation are shown

MADE BY: __AMK_9/27/04__

CHECKED BY: __JUL 9/28/04__

Detection Limits shown are MDL

Advanced Selection: Table 2
 R111171085 00000209ProgramProgram.mdb
 Printed: 10/04 11:48:36 AM
 ([LOGDATE] >= #5/10/04 AND ([MATRIX] = 'SO' AND [PRCODE] = 'MET' AND [LABSAMPLE] <> 'A44501' AND [LABSAMPLE] <> 'A445701' AND [LABSAMPLE] <> 'A447601' AND
 [LABSAMPLE] <> 'A447601RA') OR [MATRIX] = 'SE'

TABLE 2
VALIDATED SOIL SAMPLE RESULTS
VOLUNTARY CLEANUP PROGRAM
NIACET CORPORATION SITE #V00373-9

Location ID		SB-106	SB-106	SE-01
Sample ID		MW-02-0-1.6'	MW-02-1.6'	SE-01
Matrix		Soil	Soil	Sediment
Depth Interval (ft)		0.0-1.6	1.6-1.6	-
Date Sampled		05/18/04	05/18/04	05/26/04
Parameter	Units			
Metals				
Mercury	MG/KG	0.162 J	2.6 J	83.1

Flags assigned during chemistry validation are shown.

MADE BY: __AMK_9/27/04__
 CHECKED BY: __JJL_9/28/04__

Detection Limits shown are MDL

[LOADDATE] = 05/18/04 AND ([MATRIX] = 'SO' AND [PRCCODE] = 'MET' AND [LABSAMPID] <> 'A441501' AND [LABSAMPID] <> 'A445701' AND [LABSAMPID] <> 'A447501' AND [LABSAMPID] <> 'A447501RA') OR [MATRIX] = 'SE'

Advanced Selection: Table 2
 N:\11171065\00000\08\Program\Program.mde
 Printed: 10/4/04 11:48:30 AM

TABLE 3
VALIDATED GROUNDWATER SAMPLE RESULTS
VOLUNTARY CLEANUP PROGRAM
NIACET CORPORATION SITE #V00373-9

Location ID		MW-01	MW-01	SB-044/MW-06	SB-044/MW-06	SB-080/MW-02
Sample ID		MW-01	MW-01F	MW-06	MW-06F	MW-02
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		06/01/04	06/01/04	06/01/04	06/01/04	06/01/04
Parameter	Units					
Metals						
Mercury	UG/L	17.4 J	0.332 J	310 J	0.295 J	16.2 J

Flags assigned during chemistry validation are shown

MADE BY: __AMK_ 9/27/04 __
 CHECKED BY: __JIL_ 9/28/04 __

Detection Limits shown are MDL

TABLE 3
VALIDATED GROUNDWATER SAMPLE RESULTS
VOLUNTARY CLEANUP PROGRAM
NIACET CORPORATION SITE #V00373-9

Location ID		SB-080/MW-02
Sample ID		MW-02F
Matrix		Groundwater
Depth Interval (ft)		-
Date Sampled		06/01/04
Parameter	Units	
Metals		
Mercury	UG/L	15 J

Flags assigned during chemistry validation are shown

MADE BY: AMK 9/27/04

CHECKED BY: JJL 9/28/04

Detection Limits shown are MDL

TABLE 4
VALIDATED SOIL GAS SAMPLE RESULTS
VOLUNTARY CLEANUP PROGRAM
NIACET CORPORATION SITE #V00373-9

Location ID		SB-033/PZ-03
Sample ID		PZ-03-G
Matrix		Soil Gas
Depth Interval (ft)		-
Date Sampled		06/02/04
Parameter	Units	
Volatile Organic Compounds		
1,1,1-Trichloroethane	PPBV	0.50 U
1,1,2,2-Tetrachloroethane	PPBV	0.50 U
1,1,2-Trichloroethane	PPBV	0.50 U
1,1,2-Trichloro-1,2,2-trifluoroethane	PPBV	0.50 U
1,1-Dichloroethane	PPBV	0.50 U
1,1-Dichloroethene	PPBV	0.50 U
1,2,4-Trichlorobenzene	PPBV	0.50 U
1,2,4-Trimethylbenzene	PPBV	0.50 U
1,2-Dibromoethane (Ethylene dibromide)	PPBV	0.50 U
1,2-Dichlorobenzene	PPBV	0.50 U
1,2-Dichloroethane	PPBV	0.50 U
1,2-Dichloroethene (cis)	PPBV	0.50 U
1,2-Dichloroethene (total)	PPBV	0.50 U
1,2-Dichloroethene (trans)	PPBV	0.50 U
1,2-Dichloropropane	PPBV	0.50 U
1,3,5-Trimethylbenzene (Mesitylene)	PPBV	0.50 U
1,3-Dichlorobenzene	PPBV	0.50 U
1,2-Dichlorotetrafluoroethane	PPBV	0.50 U
1,3-Dichloropropene (cis)	PPBV	0.50 U
1,3-Dichloropropene (trans)	PPBV	0.50 U
1,4-Dichlorobenzene	PPBV	0.50 U
1,4-Dioxane	PPBV	5.0 U
2-Chlorotoluene	PPBV	0.50 U

Flags assigned during chemistry validation are shown.

MADE BY: AMK_9/27/04

CHECKED BY: JLL 9/28/04

Detection Limits shown are MDL

TABLE 4
VALIDATED SOIL GAS SAMPLE RESULTS
VOLUNTARY CLEANUP PROGRAM
NIACET CORPORATION SITE #V00373-9

Location ID		SB-033/PZ-03
Sample ID		PZ-03-G
Matrix		Soil Gas
Depth Interval (ft)		-
Date Sampled		06/02/04
Parameter	Units	
Volatile Organic Compounds		
2-Hexanone	PPBV	0.50 UJ
4-Methyl-2-pentanone	PPBV	0.50 UJ
Acetone	PPBV	5.0 UJ
4-Ethyltoluene	PPBV	0.50 U
Benzene	PPBV	0.50 U
Bromodichloromethane	PPBV	0.50 U
Bromoform	PPBV	0.50 U
Bromomethane	PPBV	0.50 U
Carbon disulfide	PPBV	0.50 U
Carbon tetrachloride	PPBV	0.50 U
Chlorobenzene	PPBV	0.50 U
Chloroethane	PPBV	0.50 U
Chloroform	PPBV	0.50 U
Chloromethane	PPBV	0.56
Dibromochloromethane	PPBV	0.50 U
Dichlorodifluoromethane	PPBV	0.62
Ethylbenzene	PPBV	0.50 U
Cyclohexane	PPBV	0.50 U
Hexachlorobutadiene	PPBV	0.50 U
Methyl ethyl ketone (2-Butanone)	PPBV	0.50 UJ
Methyl tert-butyl ether	PPBV	0.50 U
Methylene chloride	PPBV	0.53
o-Xylene	PPBV	0.50 U

Flags assigned during chemistry validation are shown

MADE BY: AMK_9/27/04

CHECKED BY: JLL 9/28/04

Detection Limits shown are MDL

TABLE 4
VALIDATED SOIL GAS SAMPLE RESULTS
VOLUNTARY CLEANUP PROGRAM
NIACET CORPORATION SITE #V00373-9

Location ID		SB-033/PZ-03
Sample ID		PZ-03-G
Matrix		Soil Gas
Depth Interval (ft)		-
Date Sampled		06/02/04
Parameter	Units	
Volatile Organic Compounds		
Styrene	PPBV	0.50 U
n-Heptane	PPBV	0.50 U
Tetrachloroethene	PPBV	0.50 U
n-Hexane	PPBV	0.50 U
Toluene	PPBV	1.2
Trichloroethene	PPBV	0.50 U
Trichlorofluoromethane	PPBV	0.50 U
Vinyl chloride	PPBV	0.50 U
Xylene (total)	PPBV	0.63
1,3-Butadiene	PPBV	0.50 U
2,2,4-Trimethylpentane	PPBV	0.50 U
3-Chloropropene	PPBV	0.50 U
Bromoethene	PPBV	0.50 U
Isopropyl Alcohol	PPBV	5.0 UJ
tert-Butyl Alcohol	PPBV	5.0 UJ
Tetrahydrofuran	PPBV	5.0 U
Gases		
Carbon dioxide	PPMV	17,000 U
Carbon Monoxide	PPMV	17,000 U
Methane	PPMV	13,000 U
Nitrogen	PPMV	150,000
Oxygen	PPMV	56,000

Flags assigned during chemistry validation are shown

MADE BY: AMK_9/27/04

CHECKED BY: JJL 9/28/04

Detection Limits shown are MDL

TABLE 5
VALIDATED FIELDQC SAMPLE RESULTS
VOLUNTARY CLEANUP PROGRAM
NIACET CORPORATION SITE #V00373-9

Location ID		FIELDQC	FIELDQC	FIELDQC	FIELDQC	FIELDQC
Sample ID		R-1	R-2	R-3	R-4	R-5
Matrix		Quality Control	Quality Control	Quality Control	Quality Control	Quality Control
Depth Interval (ft)		-	-	-	-	-
Date Sampled		05/18/04	05/18/04	05/19/04	05/19/04	05/20/04
Parameter	Units	Rinse Blank (1-1)	Rinse Blank (1-1)	Rinse Blank (1-1)	Rinse Blank (1-1)	Rinse Blank (1-1)
Metals						
Mercury	UG/L	0.085 U	0.085 U	0.085 U	0.085 U	0.085 U

Flags assigned during chemistry validation are shown.

MADE BY: __AMK_9/27/04__

CHECKED BY: __JJL 9/28/04__

Detection Limits shown are MDL

TABLE 5
VALIDATED FIELDQC SAMPLE RESULTS
VOLUNTARY CLEANUP PROGRAM
NIACET CORPORATION SITE #V00373-9

Location ID		FIELDQC	FIELDQC	FIELDQC
Sample ID		R-6	R-7	R-8
Matrix		Quality Control	Quality Control	Quality Control
Depth Interval (ft)		-	-	-
Date Sampled		05/20/04	05/21/04	05/24/04
Parameter	Units	Rinse Blank (1-1)	Rinse Blank (1-1)	Rinse Blank (1-1)
Metals				
Mercury	UG/L	0.085 U	0.085 U	0.085 U

Flags assigned during chemistry validation are shown

MADE BY: AMK 9/27/04

CHECKED BY: JLL 9/28/04

Detection Limits shown are MDL

ATTACHMENT A

**LABORATORY REPORT- SPLIT SAMPLES
COLLECTED BY NYSDEC**

New York State Department of Environmental Conservation

Division of Environmental Remediation, Region 9

270 Michigan Avenue, Buffalo, New York, 14203-2999

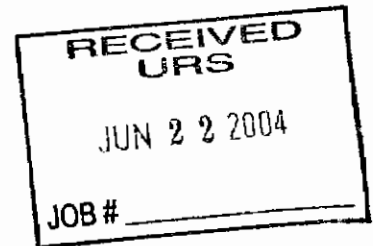
Phone: (716) 851-7220 • FAX: (716) 851-7226

Website: www.dec.state.ny.us



Erin M. Crotty
Commissioner

June 21, 2004



Robert Henschel, P.G.
Project Manager
URS Corporation
640 Ellicott Street
Buffalo, New York 14203

Dear Mr. Henschel:

Niacet Corporation V-00373-9
Niagara Falls, Niagara County
Split Sample Data

Attached for your reference are copies of the split sample data collected by the New York State Department of Environmental Conservation during the performance of the Supplemental Investigation in May 2004. This data is to be included in your report of this investigation.

If you have any questions, please call me at 716-851-7220.

Sincerely,

Michael J. Hinton, P.E.
Division of Environmental Remediation
Region 9

cc: Daniel King, P.E., Division of Environmental Remediation, Region 9
Mr. Matthew Forcucci, NYS Department of Health, Western Regional Office

L BUFFALO

13/132

NYS DEC

URS 56270-5

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

D40201

Contract: NY00-096

Lab Code: STLBFLO

Case No.: SH904

SAS No.:

SDG NO.: 0512H

Matrix (soil/water): SOIL

Lab Sample ID: AD427921

Level (low/med): LOW

Date Received: 5/21/2004

% Solids: 85

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	8.5		*	CV

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

STL BUFFALO

NYS DEC
-1-
INORGANIC ANALYSIS DATA SHEETURS SB210-2ⁿ

SAMPLE NO.

D40202

Contract: NY00-096

Lab Code: STLBFLO

Case No.: SH904

SAS No.:

SDG NO.: 0512H

Matrix (soil/water): SOIL

Lab Sample ID: AD427922

Level (low/med): LOW

Date Received: 5/21/2004

% Solids: 88

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	19.1		*	CV

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

NYS DEC

URS SB390-2*

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

D40203

Contract: NY00-096

Lab Code: STLBFL0

Case No.: SH904

SAS No.:

SDG NO.: 0512H

Matrix (soil/water): SOIL

Lab Sample ID: AD427923

Level (low/med): LOW

Date Received: 5/21/2004

% Solids: 89

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	205		*	CV

Color Before:

Clarity Before:

Texture:

Color After:

Clarity After:

Artifacts:

Comments:

STL BUFFALO

NYS DEC

URS SB39 2-2.9

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

D40204

Contract: NY00-096

Lab Code: STLBFO

Case No.: SH904

SAS No.:

SDG NO.: 0512H

Matrix (soil/water): SOIL

Lab Sample ID: AD427927

Level (low/med): LOW

Date Received: 5/21/2004

% Solids: 79

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	1530		*	CV

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

NYS DEC

URS SB57 0-2

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

D40205

Contract: NY00-096

Lab Code: STLBFO

Case No.: SH904

SAS No.:

SDG NO.: 0512H

Matrix (soil/water): SOIL

Lab Sample ID: AD427928

Level (low/med): LOW

Date Received: 5/21/2004

% Solids: 81

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	11.0		*	CV

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

NYS DEC
-1-
INORGANIC ANALYSIS DATA SHEET

URS SBTI 0-2"

SAMPLE NO.

D40206

Contract: NY00-096

Lab Code: STLBFL0

Case No.: SH904

SAS No.:

SDG NO.: 0512H

Matrix (soil/water): SOIL

Lab Sample ID: AD427929

Level (low/med): LOW

Date Received: 5/21/2004

% Solids: 93

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	125		*	CV

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

NYS DEC

URS SB71 0-2nd

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

D40206-TCLP

Contract: NY00-096

Lab Code: STLBFL0

Case No.: SH904

SAS No.:

SDG NO.: 0512H

Matrix (soil/water): WATER

Lab Sample ID: AD427838

Level (low/med): LOW

Date Received: 5/21/2004

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	51.2			CV

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

NYS DEC
-1-
INORGANIC ANALYSIS DATA SHEET

URS - SB69 0-1

SAMPLE NO.

D40207

Contract: NY00-096

Lab Code: STLBFO

Case No.: SH904

SAS No.:

SDG NO.: 0512H

Matrix (soil/water): SOIL

Lab Sample ID: AD427930

Level (low/med): LOW

Date Received: 5/21/2004

% Solids: 89

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	292		*	CV

Color Before: _____

Clarity Before: _____

Texture: _____

Color After: _____

Clarity After: _____

Artifacts: _____

Comments: _____

STL BUFFALO

NYS DEC

URS SB806-8

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

D40208

Contract: NY00-096

Lab Code: STLBFO

Case No.: SH904

SAS No.:

SDG NO.: 0512H

Matrix (soil/water): SOIL

Lab Sample ID: AD427931

Level (low/med): LOW

Date Received: 5/21/2004

% Solids: 95

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	166		*	CV

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

NYS DEC
-1-
INORGANIC ANALYSIS DATA SHEET

UES SB75 0-2

SAMPLE NO.

D40209

Contract: NY00-096

Lab Code: STLBFLO

Case No.: SH904

SAS No.:

SDG NO.: 0512H

Matrix (soil/water): SOIL

Lab Sample ID: AD427932

Level (low/med): LOW

Date Received: 5/21/2004

% Solids: 93

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	2390	*		CV

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

NYS DEC

-1-

INORGANIC ANALYSIS DATA SHEET

URS SB56 0-2

SAMPLE NO.

D40210

Contract: NY00-096

Lab Code: STLBFL0

Case No.: SH904

SAS No.:

SDG NO.: 0512H

Matrix (soil/water): SOIL

Lab Sample ID: AD427933

Level (low/med): LOW

Date Received: 5/21/2004

% Solids: 96

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	16.3		*	CV

Color Before: _____

Clarity Before: _____

Texture: _____

Color After: _____

Clarity After: _____

Artifacts: _____

Comments: _____

ATTACHMENT B
VALIDATED SAMPLE REPORTING FORMS

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

19236
STLNYB SAMPLE NO.

PZ-03-G

Lab Name: STL BURLINGTON

Contract: 24012

Lab Code: STLVT

Case No.: 24012

SAS No.:

SDG No.: 100576

Matrix: (soil/water) AIR

Lab Sample ID: 574402

Sample wt/vol: 200.0 (g/mL) ML

Lab File ID: 574402

Level: (low/med) LOW

Date Received: 06/04/04

% Moisture: not dec. _____

Date Analyzed: 06/16/04

GC Column: RTX-624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) PPBV Q

75-71-8-----	Dichlorodifluoromethane	0.62	
74-87-3-----	Chloromethane	0.56	
75-01-4-----	Vinyl Chloride	0.50	U
74-83-9-----	Bromomethane	0.50	U
75-00-3-----	Chloroethane	0.50	U
75-69-4-----	Trichlorofluoromethane	0.50	U
76-13-1-----	Freon TF	0.50	U
75-35-4-----	1,1-Dichloroethene	0.50	U
75-09-2-----	Methylene Chloride	0.53	
75-34-3-----	1,1-Dichloroethane	0.50	U
156-59-2-----	cis-1,2-Dichloroethene	0.50	U
67-66-3-----	Chloroform	0.50	U
71-55-6-----	1,1,1-Trichloroethane	0.50	U
56-23-5-----	Carbon Tetrachloride	0.50	U
71-43-2-----	Benzene	0.50	U
107-06-2-----	1,2-Dichloroethane	0.50	U
79-01-6-----	Trichloroethene	0.50	U
78-87-5-----	1,2-Dichloropropane	0.50	U
10061-01-5-----	cis-1,3-Dichloropropene	0.50	U
108-88-3-----	Toluene	1.2	
10061-02-6-----	trans-1,3-Dichloropropene	0.50	U
79-00-5-----	1,1,2-Trichloroethane	0.50	U
127-18-4-----	Tetrachloroethene	0.50	U
108-90-7-----	Chlorobenzene	0.50	U
100-41-4-----	Ethylbenzene	0.50	U
1330-20-7-----	Xylene (m,p)	0.64	
100-42-5-----	Styrene	0.50	U
95-47-6-----	Xylene (o)	0.50	U
79-34-5-----	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1-----	1,3-Dichlorobenzene	0.50	U
106-46-7-----	1,4-Dichlorobenzene	0.50	U
95-50-1-----	1,2-Dichlorobenzene	0.50	U
120-82-1-----	1,2,4-Trichlorobenzene	0.50	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

20\236

STLNYB SAMPLE NO.

PZ-03-G

Lab Name: STL BURLINGTON

Contract: 24012

Lab Code: STLVT

Case No.: 24012

SAS No.:

SDG No.: 100576

Matrix: (soil/water) AIR

Lab Sample ID: 574402

Sample wt/vol: 200.0 (g/mL) ML

Lab File ID: 574402

Level: (low/med) LOW

Date Received: 06/04/04

% Moisture: not dec. _____

Date Analyzed: 06/16/04

GC Column: RTX-624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) PPBV Q

87-68-3-----	Hexachlorobutadiene	0.50	U
108-67-8-----	1,3,5-Trimethylbenzene	0.50	U
95-63-6-----	1,2,4-Trimethylbenzene	0.50	U
76-14-2-----	1,2-Dichlorotetrafluoroethan	0.50	U
106-93-4-----	1,2-Dibromoethane	0.50	U
106-99-0-----	1,3-Butadiene	0.50	U
75-15-0-----	Carbon Disulfide	0.50	U
67-64-1-----	Acetone	5.0	U
67-63-0-----	Isopropyl Alcohol	5.0	U
1634-04-4-----	Methyl tert-Butyl Ether	0.50	U
110-82-7-----	Cyclohexane	0.50	U
124-48-1-----	Dibromochloromethane	0.50	U
78-93-3-----	Methyl Ethyl Ketone	0.50	U
123-91-1-----	1,4-Dioxane	5.0	U
108-10-1-----	Methyl Isobutyl Ketone	0.50	U
591-78-6-----	Methyl Butyl Ketone	0.50	U
75-25-2-----	Bromoform	0.50	U
75-27-4-----	Bromodichloromethane	0.50	U
156-60-5-----	trans-1,2-Dichloroethene	0.50	U
622-96-8-----	4-Ethyltoluene	0.50	U
107-05-1-----	3-Chloropropene	0.50	U
540-84-1-----	2,2,4-Trimethylpentane	0.50	U
593-60-2-----	Bromoethene	0.50	U
95-49-8-----	2-Chlorotoluene	0.50	U
110-54-3-----	n-Hexane	0.50	U
109-99-9-----	Tetrahydrofuran	5.0	U
142-82-5-----	n-Heptane	0.50	U
540-59-0-----	1,2-Dichloroethene (total)	0.50	U
1330-20-7-----	Xylene (total)	0.63	U
75-65-0-----	tert-Butyl Alcohol	5.0	U

0.15
9/14/04

46236

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

STLNYB SAMPLE NO.

PZ-03-G

Lab Name: STL BURLINGTON

Contract: 24012

Lab Code: STLVT

Case No.: 24012

SAS No.:

SDG No.: 100576

Matrix: (soil/water) AIR

Lab Sample ID: 574402

Sample wt/vol: _____ (g/mL) ML

Lab File ID: 16JUN041609-R041

Level: (low/med) LOW

Date Received: 06/04/04

% Moisture: not dec. _____

Date Analyzed: 06/16/04

GC Column: CTR-1 ID: 6.35 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) PPMV	Q

124-38-9-----	Carbon Dioxide	17000	U
7782-44-7-----	Oxygen	56000	
7727-37-9-----	Nitrogen	150000	
74-82-8-----	Methane	13000	U
630-08-0-----	Carbon Monoxide	17000	U

STL BUFFALO

URS Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-01

Contract: NY03-337

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: A04-5161

Matrix (soil/water): WATER

Lab Sample ID: AD429223

Level (low/med): LOW

Date Received: 6/1/2004

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	17.4	✓	5	CV

Amh
9/2/04

Color Before:

Clarity Before:

Texture:

Color After:

Clarity After:

Artifacts:

Comments:

STL BUFFALO

U R S Corporation

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-01F

Contract: NY03-337

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: A04-5161

Matrix (soil/water): WATER

Lab Sample ID: AD429224

Level (low/med): LOW

Date Received: 6/1/2004

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	0.332		✓	CV

Amh
alalay

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

U R S Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-02F

Contract: NY03-337

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: A04-5161

Matrix (soil/water): WATER

Lab Sample ID: AD429229

Level (low/med): LOW

Date Received: 6/1/2004

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	1.5		✓	CV

Aimk
9/2/04

Color Before: _____

Clarity Before: _____

Texture: _____

Color After: _____

Clarity After: _____

Artifacts: _____

Comments: _____

STL BUFFALO

URS Corporation

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-02

Contract: NY03-337

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: A04-5161

Matrix (soil/water): WATER

Lab Sample ID: AD429225

Level (low/med): LOW

Date Received: 6/1/2004

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	16.2		✓	CV

Amk
aklay

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

URS Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-06F

Contract: NY03-337

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG NO.: A04-5161

Matrix (soil/water): WATER

Lab Sample ID: AD429231

Level (low/med): LOW

Date Received: 6/1/2004

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	0.295	✓	5	CV

Amk
9/2/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

U R S Corporation

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-06

Contract: NY03-337

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: A04-5161

Matrix (soil/water): WATER

Lab Sample ID: AD429230

Level (low/med): LOW

Date Received: 6/1/2004

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	310		✓	CV

AmK
9/2/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

U R S Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

BS-04-0-2"

Contract: NY03-337

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG NO.: A04-5116

Matrix (soil/water): SOIL

Lab Sample ID: AD428712

Level (low/med): LOW

Date Received: 5/28/2004

% Solids: 84

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	1.9			CV

Color Before:

Clarity Before:

Texture:

Color After:

Clarity After:

Artifacts:

Comments:

U R S Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

BS-03-0-2"

Contract: NY03-337

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: A04-5116

Matrix (soil/water): SOIL

Lab Sample ID: AD428708

Level (low/med): LOW

Date Received: 5/28/2004

Solids: 93

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	1.7			CV

Color Before:

Clarity Before:

Texture:

Color After:

Clarity After:

Artifacts:

Comments:

U R S Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

BS-01-0-2"

Contract: NY03-337

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: A04-5116

Matrix (soil/water): SOIL

Lab Sample ID: AD428706

Level (low/med): LOW

Date Received: 5/28/2004

% Solids: 79

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	5.0			CV

Color Before:

Clarity Before:

Texture:

Color After:

Clarity After:

Artifacts:

Comments:

STL BUFFALO

U R S Corporation

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

BS-02-0-2"

Contract: NY03-337

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG NO.: A04-5116

Matrix (soil/water): SOIL

Lab Sample ID: AD428707

Level (low/med): LOW

Date Received: 5/28/2004

% Solids: 74

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	13.4			CV

Color Before:

Clarity Before:

Texture:

Color After:

Clarity After:

Artifacts:

Comments:

U R S Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-01-0-2

Contract: NY03-337

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: A04-4625

Matrix (soil/water): SOIL

Lab Sample ID: AD425762

Level (low/med): LOW

Date Received: 5/17/2004

% Solids: 84

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	738			CV

Amk
8/5/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

U R S Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-01-0-9

Contract: NY03-337

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG NO.: A04-4625

Matrix (soil/water): SOIL

Lab Sample ID: AD425766

Level (low/med): LOW

Date Received: 5/17/2004

% Solids: 76

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	20.6		/	CV

Amk
5/25/04

Color Before:

Clarity Before:

Texture:

Color After:

Clarity After:

Artifacts:

Comments:

U R S Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-01-9

Contract: NY03-337

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.: A04-4625

Matrix (soil/water): SOIL

Lab Sample ID: AD425767

Level (low/med): LOW

Date Received: 5/17/2004

% Solids: 85

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	4.5		✓	CV

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

U R S Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-02-0-1.6'

Contract: NY03-337

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG NO.: A04-4661

Matrix (soil/water): SOIL

Lab Sample ID: AD426322

Level (low/med): LOW

Date Received: 5/18/2004

% Solids: 84

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	0.162		✓ 5	CV

Amk
8/25/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

U R S Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-02-1.6'

Contract: NY03-337

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG NO.: A04-4661

Matrix (soil/water): SOIL

Lab Sample ID: AD426323

Level (low/med): LOW

Date Received: 5/18/2004

% Solids: 59

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	2.6		✓	CV

Amk
8/25/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

U R S Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-02-0-2"

Contract: NY03-337

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: A04-4661

Matrix (soil/water): SOIL

Lab Sample ID: AD426318

Level (low/med): LOW

Date Received: 5/18/2004

% Solids: 69

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	1.7		✓	CV

Amk
8/5/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

U R S Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

R-1

Contract: NY03-337

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: A04-4661

Matrix (soil/water): WATER

Lab Sample ID: AD427524

Level (low/med): LOW

Date Received: 5/18/2004

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	0.085	U		CV

Color Before:

Clarity Before:

Texture:

Color After:

Clarity After:

Artifacts:

Comments:

U R S Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

R-2

Contract: NY03-337

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG NO.: A04-4661

Matrix (soil/water): WATER

Lab Sample ID: AD427525

Level (low/med): LOW

Date Received: 5/18/2004

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	0.085	U		CV

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

STL BUFFALO

U R S Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

R-3

Contract: NY03-337

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG NO.: A04-4717

Matrix (soil/water): WATER

Lab Sample ID: AD427526

Level (low/med): LOW

Date Received: 5/19/2004

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	0.085	U		CV

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

U R S Corporation

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

R-4

Contract: NY03-337

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: A04-4717

Matrix (soil/water): WATER

Lab Sample ID: AD427527

Level (low/med): LOW

Date Received: 5/19/2004

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	0.085	U		CV

Color Before:

Clarity Before:

Texture:

Color After:

Clarity After:

Artifacts:

Comments:

U R S Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

R-5

Contract: NY03-337

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.: A04-4769

Matrix (soil/water): WATER

Lab Sample ID: AD427528

Level (low/med): LOW

Date Received: 5/20/2004

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	0.085	U		CV

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

U R S Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

R-6

Contract: NY03-337

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: A04-4769

Matrix (soil/water): WATER

Lab Sample ID: AD427529

Level (low/med): LOW

Date Received: 5/20/2004

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	0.085	U		CV

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

U R S Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

R-7

Contract: NY03-337

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: A04-4850

Matrix (soil/water): WATER

Lab Sample ID: AD427530

Level (low/med): LOW

Date Received: 5/21/2004

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	0.085	U		CV

Color Before:

Clarity Before:

Texture:

Color After:

Clarity After:

Artifacts:

Comments:

U R S Corporation

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

R-8

Contract: NY03-337

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG NO.: A04-4887

Matrix (soil/water): WATER

Lab Sample ID: AD427531

Level (low/med): LOW

Date Received: 5/24/2004

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	0.085	U		CV

Color Before:

Clarity Before:

Texture:

Color After:

Clarity After:

Artifacts:

Comments:

STL BUFFALO

U R S Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-01-0'-2"

Contract: NY03-337

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: 0504HG

Matrix (soil/water): SOIL

Lab Sample ID: AD425527

Level (low/med): LOW

Date Received: 5/11/2004

% Solids: 71

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	0.113		~~N~~ 5	CV

Amh
9/1/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

U R S Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-01-0'-4'

Contract: NY03-337

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: 0504HG

Matrix (soil/water): SOIL

Lab Sample ID: AD425531

Level (low/med): LOW

Date Received: 5/11/2004

% Solids: 73

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	0.763		MS	CV

Amk
9/1/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

U R S Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-02-0'-2"

Contract: NY03-337

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG NO.: 0504HG

Matrix (soil/water): SOIL

Lab Sample ID: AD425533

Level (low/med): LOW

Date Received: 5/11/2004

% Solids: 76

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	73.3		✓	CV

Amk
9/1/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

U R S Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-01-2'

Contract: NY03-337

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG NO.: 0504HG

Matrix (soil/water): SOIL

Lab Sample ID: AD425532

Level (low/med): LOW

Date Received: 5/11/2004

% Solids: 84

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	170		NA	CV

AmK
9/1/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

U R S Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-02-0'-3'

Contract: NY03-337

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.: 0504HG

Matrix (soil/water): SOIL

Lab Sample ID: AD425534

Level (low/med): LOW

Date Received: 5/11/2004

% Solids: 64

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	43.2		~~N~~ J	CV

Amk
9/1/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

U R S Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-02-3'

Contract: NY03-337

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG NO.: 0504HG

Matrix (soil/water): SOIL

Lab Sample ID: AD425535

Level (low/med): LOW

Date Received: 5/11/2004

% Solids: 81

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	0.548		N ³	CV

Amk
all/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

U R S Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-03-0-12'

Contract: _____

Lab Code: STLBFLO

Case No.: _____

SAS No.: _____

SDG NO.: 0504HGMatrix (soil/water): SOILLab Sample ID: AD425728Level (low/med): LOWDate Received: 5/13/2004# Solids: 93Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	0.011	B	N [*] J	CV

Amk
9/1/04

Color Before: _____

Clarity Before: _____

Texture: _____

Color After: _____

Clarity After: _____

Artifacts: _____

Comments: _____

STL BUFFALO

U R S Corporation

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-03-12'

Contract: _____

Lab Code: STLBFLO

Case No.: _____

SAS No.: _____

SDG NO.: 0504HGMatrix (soil/water): SOILLab Sample ID: AD425727Level (low/med): LOWDate Received: 5/13/2004% Solids: 88Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	0.011	U	~~N~~ 5	CV

Amk
a/1/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

URS Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-03-0-2"

Contract: _____

Lab Code: STLBFLO

Case No.: _____

SAS No.: _____

SDG NO.: 0504HGMatrix (soil/water): SOILLab Sample ID: AD425723Level (low/med): LOWDate Received: 5/13/2004% Solids: 96Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	1.9		~~N~~ J	CV

Amk
9/1/04

Color Before: _____

Clarity Before: _____

Texture: _____

Color After: _____

Clarity After: _____

Artifacts: _____

Comments: _____

STL BUFFALO

U R S Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-04-0-3.5'

Contract: _____

Lab Code: STLBFO

Case No.: _____

SAS No.: _____

SDG NO.: 0504HGMatrix (soil/water): SOILLab Sample ID: AD425731Level (low/med): LOWDate Received: 5/13/2004% Solids: 97Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	0.014	B	N*J	CV

Am 15
9/1/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

U R S Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-04-0-2"

Contract:

Lab Code: STLBFL0

Case No.: _____

SAS No.: _____

SDG NO.: 0504HGMatrix (soil/water): SOILLab Sample ID: AD425729Level (low/med): LOWDate Received: 5/13/2004% Solids: 82Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	0.010	U	~~N~~ J	CV

Amk
9/1/04

Color Before: _____

Clarity Before: _____

Texture: _____

Color After: _____

Clarity After: _____

Artifacts: _____

Comments: _____

STL BUFFALO

U R S Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-04-3.5'

Contract: _____

Lab Code: STLBFLO

Case No.: _____

SAS No.: _____

SDG NO.: 0504HGMatrix (soil/water): SOILLab Sample ID: AD425730Level (low/med): LOWDate Received: 5/13/2004% Solids: 93Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	113		~~N~~ 5	CV

Amk
6/1/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

U R S Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-05-0-2"

Contract: _____

Lab Code: STLBFLO

Case No.: _____

SAS No.: _____

SDG NO.: 0504HGMatrix (soil/water): SOILLab Sample ID: AD425732Level (low/med): LOWDate Received: 5/13/2004% Solids: 87Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	13.1		~~N~~ J	CV

Amk
9/1/04

Color Before: _____

Clarity Before: _____

Texture: _____

Color After: _____

Clarity After: _____

Artifacts: _____

Comments: _____

STL BUFFALO

URS Corporation
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-05-0-4'

Contract: _____

Lab Code: STLBFLO

Case No.: _____

SAS No.: _____

SDG NO.: 0504HGMatrix (soil/water): SOILLab Sample ID: AD425734Level (low/med): LOWDate Received: 5/13/2004% Solids: 87Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	0.068		~~N~~ 5	CV

Amk
a1/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

U R S Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-05-4'

Contract: _____

Lab Code: STLBFLO

Case No.: _____

SAS No.: _____

SDG No.: 0504HGMatrix (soil/water): SOILLab Sample ID: AD425733Level (low/med): LOWDate Received: 5/13/2004% Solids: 83Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	0.012	U	N ⁴	CV

Amk
all by

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

U R S Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-06-0-2"

Contract: NY03-337

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG NO.: A04-4887

Matrix (soil/water): SOIL

Lab Sample ID: AD427867

Level (low/med): LOW

Date Received: 5/24/2004

% Solids: 82

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	2.2		✓	CV

Amk
8/26/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

U R S Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-06-0-5'

Contract: NY03-337

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: A04-4887

Matrix (soil/water): SOIL

Lab Sample ID: AD427868

Level (low/med): LOW

Date Received: 5/24/2004

% Solids: 82

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	0.011	U	/	CV

Amk
9/25/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

58/135

U R S Corporation
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-06-5'

Contract: NY03-337

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.: A04-4887

Matrix (soil/water): SOIL

Lab Sample ID: AD427869

Level (low/med): LOW

Date Received: 5/24/2004

% Solids: 82

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	0.035	B	✓	CV

Amk
8/25/04

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

U R S Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-07-0-2"

Contract: NY03-337

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG NO.: A04-4887

Matrix (soil/water): SOIL

Lab Sample ID: AD427870

Level (low/med): LOW

Date Received: 5/24/2004

% Solids: 80

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	1.4		/	CV

Amk
8/26/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

U R S Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-07-0-5'

Contract: NY03-337

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: A04-4887

Matrix (soil/water): SOIL

Lab Sample ID: AD427871

Level (low/med): LOW

Date Received: 5/24/2004

% Solids: 81

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	0.015	B	/	CV

Amk
8/28/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

U R S Corporation
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-07-5'

Contract: NY03-337

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: A04-4887

Matrix (soil/water): SOIL

Lab Sample ID: AD427872

Level (low/med): LOW

Date Received: 5/24/2004

% Solids: 82

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	0.011	B	/	CV

Amk
8/6/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

U R S Corporation

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-08-0-2"

Contract: NY03-337

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.: 0504HG

Matrix (soil/water): SOIL

Lab Sample ID: AD425536

Level (low/med): LOW

Date Received: 5/11/2004

% Solids: 79

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	21.7		N ⁵	CV

Amk
9/1/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

U R S Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-08-0-1.6'

Contract: NY03-337

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: 0504HG

Matrix (soil/water): SOIL

Lab Sample ID: AD425562

Level (low/med): LOW

Date Received: 5/11/2004

% Solids: 77

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	1.3		N ³	CV

Amk
9/1/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

U R S Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-08-1.6'

Contract: NY03-337

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG NO.: 0504HG

Matrix (soil/water): SOIL

Lab Sample ID: AD425537

Level (low/med): LOW

Date Received: 5/11/2004

% Solids: 74

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	0.653		5	CV

Amk
all by

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

77/152

STL BUFFALO

U R S Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-09-0-10'

Contract: NY03-337

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: 0504HG

Matrix (soil/water): SOIL

Lab Sample ID: AD425539

Level (low/med): LOW

Date Received: 5/11/2004

% Solids: 79

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	0.010	U	~~N~~	CV

Amk
9/1/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

U R S Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-09-10 'ACROSS

Contract: NY03-337

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: 0504HG

Matrix (soil/water): SOIL

Lab Sample ID: AD425540

Level (low/med): LOW

Date Received: 5/11/2004

% Solids: 82

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	0.010	U	~~CV~~	CV

Amk
9/1/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

URS Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-09-10' BELOW

Contract: NY03-337

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: 0504HG

Matrix (soil/water): SOIL

Lab Sample ID: AD425541

Level (low/med): LOW

Date Received: 5/11/2004

% Solids: 86

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	0.010	U	N ⁴ 5	CV

Am's
9/1/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

U R S Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-09-0-2*

Contract: NY03-337

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: 0504HG

Matrix (soil/water): SOIL

Lab Sample ID: AD425538

Level (low/med): LOW

Date Received: 5/11/2004

% Solids: 51

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	66.2		N ~~5~~	CV

Amk
9/1/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

U R S Corporation
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-10-10.4'

Contract: _____

Lab Code: STLBFLO

Case No.: _____

SAS No.: _____

SDG NO.: 0504HGMatrix (soil/water): SOILLab Sample ID: AD425720Level (low/med): LOWDate Received: 5/13/2004% Solids: 90Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	0.023	B	N	CV

Amk
a1/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

U R S Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-10-0-10.4'

Contract: _____

Lab Code: STLBFLO

Case No.: _____

SAS No.: _____

SDG NO.: 0504HGMatrix (soil/water): SOILLab Sample ID: AD425722Level (low/med): LOWDate Received: 5/13/2004% Solids: 78Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	2.3		<i>MS</i>	CV

*Amk
9/1/04*

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

U R S Corporation
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-10-0-2"

Contract: _____

Lab Code: STLBFLO

Case No.: _____

SAS No.: _____

SDG NO.: 0504RGMatrix (soil/water): SOILLab Sample ID: AD425716Level (low/med): LOWDate Received: 5/13/2004

% Solids: 98

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	1.1		~~N~~ J	CV

Amk
9/1/04

Color Before: _____

Clarity Before: _____

Texture: _____

Color After: _____

Clarity After: _____

Artifacts: _____

Comments: _____

109/206

STL BUFFALO

URS Corporation
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-11-0-10.5

Contract: _____

Lab Code: STLBFLO

Case No.: _____

SAS No.: _____

SDG NO.: 0504HGMatrix (soil/water): SOILLab Sample ID: AD425737Level (low/med): LOWDate Received: 5/13/2004% Solids: 87Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	0.082		~~N~~ J	CV

Amk
9/1/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

U R S Corporation
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-11-0-2"

Contract: _____

Lab Code: STLBFLO

Case No.: _____

SAS No.: _____

SDG NO.: 0504HGMatrix (soil/water): SOILLab Sample ID: AD425735Level (low/med): LOWDate Received: 5/13/2004% Solids: 96Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	1.5		~~N~~	CV

AmK
9/1/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

U R S Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-11-10.5

Contract: _____

Lab Code: STLBFLO

Case No.: _____

SAS No.: _____

SDG NO.: 0504HGMatrix (soil/water): SOILLab Sample ID: AD425736Level (low/med): LOWDate Received: 5/13/2004% Solids: 83Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	0.082	~~N~~	J	CV

Amk
9/1/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

URS Corporation
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-12-0-10'

Contract: NY03-337

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: A04-4887

Matrix (soil/water): SOIL

Lab Sample ID: AD427866

Level (low/med): LOW

Date Received: 5/24/2004

% Solids: 83

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	0.011	B	/	CV

Amk
8/25/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

U R S Corporation

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-12-10'

Contract: NY03-337

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: A04-4887

Matrix (soil/water): SOIL

Lab Sample ID: AD427864

Level (low/med): LOW

Date Received: 5/24/2004

% Solids: 83

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	0.011	B	*	CV

Amk
8/25/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

URS Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-13-2'

Contract: NY03-337

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: A04-4942

Matrix (soil/water): SOIL

Lab Sample ID: AD427878

Level (low/med): LOW

Date Received: 5/25/2004

% Solids: 79

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	0.072		~~MS~~	CV

AMK
9/1/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

U R S Corporation
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-13-0-2'

Contract: NY03-337

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.: A04-4942

Matrix (soil/water): SOIL

Lab Sample ID: AD427877

Level (low/med): LOW

Date Received: 5/25/2004

% Solids: 76

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	0.046	B	N/S	CV

Amk
a/b/c/d

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

URS Corporation
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-13-0-2"

Contract: NY03-337

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: A04-4942

Matrix (soil/water): SOIL

Lab Sample ID: AD427873

Level (low/med): LOW

Date Received: 5/25/2004

% Solids: 75

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	2.3		MS	CV

Amk
alloy

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

U R S Corporation
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-14-0-2"

Contract: NY03-337

Lab Code: STLEFLO

Case No.: _____

SAS No.: _____

SDG NO.: 0504HG

Matrix (soil/water): SOIL

Lab Sample ID: AD425542

Level (low/med): LOW

Date Received: 5/11/2004

% Solids: 86

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	7.9		N ⁺ J	CV

Amk
9/1/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

U R S Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-14-0-2.3'

Contract: NY03-337

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG NO.: 0504HG

Matrix (soil/water): SOIL

Lab Sample ID: AD425564

Level (low/med): LOW

Date Received: 5/11/2004

% Solids: 75

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	1.1		☒	CV

Amk
9/1/04

Color Before:

Clarity Before:

Texture:

Color After:

Clarity After:

Artifacts:

Comments:

STL BUFFALO

U R S Corporation
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-14-2.3'

Contract: NY03-337

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: 0504HG

Matrix (soil/water): SOIL

Lab Sample ID: AD425544

Level (low/med): LOW

Date Received: 5/11/2004

% Solids: 70

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	0.914		N#3	CV

Amk
a/b4

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

U R S Corporation

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-15-0-2"

Contract: NY03-337

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG NO.: 0504HG

Matrix (soil/water): SOIL

Lab Sample ID: AD425545

Level (low/med): LOW

Date Received: 5/11/2004

% Solids: 88

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	118		☒	CV

Amk
9/1/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

U R S Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-15-0-3'

Contract: NY03-337

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: 0504HG

Matrix (soil/water): SOIL

Lab Sample ID: AD425547

Level (low/med): LOW

Date Received: 5/11/2004

% Solids: 62

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	14.2		~~N~~ J	CV

Amk
9/1/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

U R S Corporation
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-15-3'

Contract: NY03-337

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG NO.: 0504HG

Matrix (soil/water): SOIL

Lab Sample ID: AD425546

Level (low/med): LOW

Date Received: 5/11/2004

% Solids: 71

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	0.461		N ³	CV

hmk
9/1/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

U R S Corporation

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-16-2'-7'

Contract: _____

Lab Code: STLBFLO

Case No.: _____

SAS No.: _____

SDG NO.: 0504HGMatrix (soil/water): SOILLab Sample ID: AD425713Level (low/med): LOWDate Received: 5/13/2004% Solids: 79Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	0.011	U	N ⁺ J	CV

Amik
9/1/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

URS Corporation
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-16-7'

Contract: _____

Lab Code: STLBFLO

Case No.: _____

SAS No.: _____

SDG NO.: 0504HGMatrix (soil/water): SOILLab Sample ID: AD425714Level (low/med): LOWDate Received: 5/13/2004% Solids: 83Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	0.010	U	~~N~~ J	CV

Amk
9/1/04

Color Before: _____

Clarity Before: _____

Texture: _____

Color After: _____

Clarity After: _____

Artifacts: _____

Comments: _____

STL BUFFALO

U R S Corporation

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-16-0-2"

Contract: _____

Lab Code: STLBFLO

Case No.: _____

SAS No.: _____

SDG NO.: 0504HGMatrix (soil/water): SOILLab Sample ID: AD425708Level (low/med): LOWDate Received: 5/13/2004% Solids: 97Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	4.7		~~1~~ 5	CV

Amk
9/1/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

112/206

STL BUFFALO

U R S Corporation
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-16-0-2'

Contract: _____

Lab Code: STLBFLO

Case No.: _____

SAS No.: _____

SDG NO.: 0504HGMatrix (soil/water): SOILLab Sample ID: AD425712Level (low/med): LOWDate Received: 5/13/2004% Solids: 86Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	25.1		N ⁺ J	CV

Amk
all/ky

Color Before: _____

Clarity Before: _____

Texture: _____

Color After: _____

Clarity After: _____

Artifacts: _____

Comments: _____

STL BUFFALO

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-17-0-2"

Contract: _____

Lab Code: STLBFLO

Case No.: _____

SAS No.: _____

SDG NO.: 0504HGMatrix (soil/water): SOILLab Sample ID: AD425738Level (low/med): LOWDate Received: 5/13/20049 Solids: 94Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	7.1		~~N~~ J	CV

Amk
9/1/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

117/206

STL BUFFALO

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-17-0-6

Contract: _____

Lab Code: STLBFLO

Case No.: _____

SAS No.: _____

SDG NO.: 0504HGMatrix (soil/water): SOILLab Sample ID: AD425740Level (low/med): LOWDate Received: 5/13/2004% Solids: 56Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	0.220		<i>N/S</i>	CV

*Amk
9/1/04*

Color Before: _____

Clarity Before: _____

Texture: _____

Color After: _____

Clarity After: _____

Artifacts: _____

Comments: _____

STL BUFFALO

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-17-6

Contract: _____

Lab Code: STLBFLO

Case No.: _____

SAS No.: _____

SDG NO.: 0504HG

Matrix (soil/water): SOIL

Lab Sample ID: AD425739

Level (low/med): LOW

Date Received: 5/13/2004

% Solids: 79

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	0.305		✓	CV

Amk
all/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

U R S Corporation
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-18-0-11.5'

Contract: NY03-337

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.: A04-4887

Matrix (soil/water): SOIL

Lab Sample ID: AD427860

Level (low/med): LOW

Date Received: 5/24/2004

% Solids: 83

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	0.237		/	CV

Amk
8/25/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

U R S Corporation
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-18-11.5'

Contract: NY03-337

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: A04-4887

Matrix (soil/water): SOIL

Lab Sample ID: AD427861

Level (low/med): LOW

Date Received: 5/24/2004

% Solids: 75

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	0.116			CV

Amk
8/26/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-19-2'

Contract: NY03-337

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG NO.: 0504HG

Matrix (soil/water): SOIL

Lab Sample ID: AD425549

Level (low/med): LOW

Date Received: 5/11/2004

% Solids: 75

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	0.069	B	N* J	CV

Amk
alib4

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

U R S Corporation
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-19-0-2"

Contract: NY03-337

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG NO.: 0504HG

Matrix (soil/water): SOIL

Lab Sample ID: AD425548

Level (low/med): LOW

Date Received: 5/11/2004

% Solids: 78

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	55.6		N ⁵	CV

Amk
9/1/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-19-0-2'

Contract: NY03-337

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: 0504HG

Matrix (soil/water): SOIL

Lab Sample ID: AD425550

Level (low/med): LOW

Date Received: 5/11/2004

% Solids: 69

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	59.3		N ⁺ J	CV

Amk
a/k/a

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

U R S Corporation

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-20-0-2'

Contract: NY03-337

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: 0504HG

Matrix (soil/water): SOIL

Lab Sample ID: AD425551

Level (low/med): LOW

Date Received: 5/11/2004

% Solids: 86

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	13.4		N ~~5~~	CV

Amk
9/1/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-20-0'-7'

Contract: NY03-337

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: 0504HG

Matrix (soil/water): SOIL

Lab Sample ID: AD425553

Level (low/med): LOW

Date Received: 5/11/2004

% Solids: 66

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	23.0		NS	CV

Amk
9/1/04

Color Before:

Clarity Before:

Texture:

Color After:

Clarity After:

Artifacts:

Comments:

STL BUFFALO

U R S Corporation

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-20-7'

Contract: NY03-337

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.: 0504HG

Matrix (soil/water): SOIL

Lab Sample ID: AD425552

Level (low/med): LOW

Date Received: 5/11/2004

% Solids: 81

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	0.140		~~N~~ 5	CV

Amk
9/1/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

U R S Corporation
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-20-11'

Contract: NY03-337

Lab Code: STLBFLO

Case No.: _____

SAS No.: _____

SDG NO.: 0504HG

Matrix (soil/water): SOIL

Lab Sample ID: AD425555

Level (low/med): LOW

Date Received: 5/11/2004

% Solids: 89

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	0.009	U	N ⁺ J	CV

Amk
allay

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-20-7-11

Contract: NY03-337

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG NO.: 0504HG

Matrix (soil/water): SOIL

Lab Sample ID: AD425554

Level (low/med): LOW

Date Received: 5/11/2004

% Solids: 81

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	0.317		~~N~~ 3	CV

Amh
9/1/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

U R S Corporation

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-21-0-2'

Contract: _____

Lab Code: STLBFLO

Case No.: _____

SAS No.: _____

SDG NO.: 0504HGMatrix (soil/water): SOILLab Sample ID: AD425715Level (low/med): LOWDate Received: 5/13/2004% Solids: 87Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	23.0		☒	CV

Amk
alib4

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-21-2-7.5

Contract: _____

Lab Code: STLBFLO

Case No.: _____

SAS No.: _____

SDG NO.: 0504HGMatrix (soil/water): SOILLab Sample ID: AD425706Level (low/med): LOWDate Received: 5/13/2004% Solids: 82Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	0.030	B	☒	CV

Amk
6/1/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

120/206

STL BUFFALO

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-21-0-2"

Contract: _____

Lab Code: STLBFLO

Case No.: _____

SAS No.: _____

SDG NO.: 0504HGMatrix (soil/water): SOILLab Sample ID: AD425705Level (low/med): LOWDate Received: 5/13/2004% Solids: 84Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	2.0		<i>N</i>	CV

*Amk
a11/04*

Color Before: _____

Clarity Before: _____

Texture: _____

Color After: _____

Clarity After: _____

Artifacts: _____

Comments: _____

STL BUFFALO

U R S Corporation

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-21-7.5

Contract: _____

Lab Code: STLBFLO

Case No.: _____

SAS No.: _____

SDG NO.: 0504HGMatrix (soil/water): SOILLab Sample ID: AD425707Level (low/med): LOWDate Received: 5/13/2004% Solids: 54Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	0.017	U	<i>W*J</i>	CV

*Amk
9/1/04*

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

123/206

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-22-0-6.5

Contract: _____

Lab Code: STLBFLO

Case No.: _____

SAS No.: _____

SDG NO.: 0504HGMatrix (soil/water): SOILLab Sample ID: AD425742Level (low/med): LOWDate Received: 5/13/2004% Solids: 83Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	0.043	B	MS	CV

Amk
9/1/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

U R S Corporation
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-22-6.5

Contract: _____

Lab Code: STLBFLO

Case No.: _____

SAS No.: _____

SDG NO.: 0504HGMatrix (soil/water): SOILLab Sample ID: AD425743Level (low/med): LOWDate Received: 5/13/2004% Solids: 86Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	0.010	U	N	CV

Amk
alaloy

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

U R S Corporation
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-23-0-9'

Contract: NY03-337

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: A04-4887

Matrix (soil/water): SOIL

Lab Sample ID: AD427863

Level (low/med): LOW

Date Received: 5/24/2004

% Solids: 85

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	0.021	B	/	CV

Amk
8/25/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

U R S Corporation
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-23-9'

Contract: NY03-337

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: A04-4887

Matrix (soil/water): SOIL

Lab Sample ID: AD427862

Level (low/med): LOW

Date Received: 5/24/2004

% Solids: 89

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	0.010	U	/	CV

Amk
8/6/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-24-0-2'

Contract: NY03-337

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: A04-4942

Matrix (soil/water): SOIL

Lab Sample ID: AD427879

Level (low/med): LOW

Date Received: 5/25/2004

% Solids: 81

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	0.516		✓	CV

Amk
9/2/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

U R S Corporation
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-24-2'

Contract: NY03-337

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.: A04-4942

Matrix (soil/water): SOIL

Lab Sample ID: AD427880

Level (low/med): LOW

Date Received: 5/25/2004

Solids: 82

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	0.028	B	~~N~~ 3	CV

Amk
9/6/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-25-0-2"

Contract: NY03-337

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: 0504HG

Matrix (soil/water): SOIL

Lab Sample ID: AD425556

Level (low/med): LOW

Date Received: 5/11/2004

% Solids: 84

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	0.301		~~N~~ S	CV

Amk
9/1/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-25-0-5'

Contract: NY03-337

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.: 0504HG

Matrix (soil/water): SOIL

Lab Sample ID: AD425558

Level (low/med): LOW

Date Received: 5/11/2004

% Solids: 86

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	44.5		~~N~~ J	CV

Amk
all/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

97/152

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-25-5'

Contract: NY03-337

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG NO.: 0504HG

Matrix (soil/water): SOIL

Lab Sample ID: AD425557

Level (low/med): LOW

Date Received: 5/11/2004

% Solids: 81

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	0.169		N ⁺	CV

Amk
9/1/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

U R S Corporation
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-26-0-8.5'

Contract: NY03-337

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: 0504HG

Matrix (soil/water): SOIL

Lab Sample ID: AD425560

Level (low/med): LOW

Date Received: 5/11/2004

% Solids: 69

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	33.2		✓	CV

Amk
9/1/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-26-0-2*

Contract: NY03-337

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.: 0504HG

Matrix (soil/water): SOIL

Lab Sample ID: AD425559

Level (low/med): LOW

Date Received: 5/11/2004

% Solids: 90

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	53.2		N ⁵	CV

Amk
9/1/04

Color Before: _____

Clarity Before: _____

Texture: _____

Color After: _____

Clarity After: _____

Artifacts: _____

Comments: _____

STL BUFFALO

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-26-8.5'

Contract: NY03-337

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.: 0504HG

Matrix (soil/water): SOIL

Lab Sample ID: AD425561

Level (low/med): LOW

Date Received: 5/11/2004

% Solids: 81

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	2.6		N ⁺ 5	CV

Amk
9/1/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-27-0-2"

Contract: _____

Lab Code: STLBFLO

Case No.: _____

SAS No.: _____

SDG NO.: 0504HGMatrix (soil/water): SOILLab Sample ID: AD425702Level (low/med): LOWDate Received: 5/13/2004% Solids: 84Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	52.4		N ⁺ 3	CV

Amk
9/2/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-27-0-5'

Contract: _____

Lab Code: STLBFLO

Case No.: _____

SAS No.: _____

SDG NO.: 0504HGMatrix (soil/water): SOILLab Sample ID: AD425703Level (low/med): LOWDate Received: 5/13/2004% Solids: 87Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	0.022	B	~~N~~ J	CV

Amk
gblcy

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

U R S Corporation
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-27-5'

Contract: _____

Lab Code: STLBFLO

Case No.: _____

SAS No.: _____

SDG NO.: 0504HGMatrix (soil/water): SOILLab Sample ID: AD425704Level (low/med): LOWDate Received: 5/13/2004% Solids: 77Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	0.578		~~N~~ 5	CV

Amk
9/2/04

Color Before: _____

Clarity Before: _____

Texture: _____

Color After: _____

Clarity After: _____

Artifacts: _____

Comments: _____

STL BUFFALO

U R S Corporation

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-28-0-7.5

Contract: _____

Lab Code: STLBFLO

Case No.: _____

SAS No.: _____

SDG NO.: 0504HGMatrix (soil/water): SOILLab Sample ID: AD425745Level (low/med): LOWDate Received: 5/13/2004% Solids: 81Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	0.029	B	1/3	CV

Amh
a/b/a/y

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

URS Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-28-0-2"

Contract: _____

Lab Code: STLBFL0

Case No.: _____

SAS No.: _____

SDG NO.: 0504HGMatrix (soil/water): SOILLab Sample ID: AD425746Level (low/med): LOWDate Received: 5/13/2004% Solids: 95Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	26.0	~~N~~	3	CV

AmK
9/2/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

U R S Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-28-7.5

Contract: _____

Lab Code: STLBFLO

Case No.: _____

SAS No.: _____

SDG NO.: 0504HGMatrix (soil/water): SOILLab Sample ID: AD425744Level (low/med): LOWDate Received: 5/13/2004% Solids: 88Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	0.013	B	~~N~~ J	CV

Amk
9/2/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

URS Corporation
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-29-0-2"

Contract: _____

Lab Code: STLBFLO

Case No.: _____

SAS No.: _____

SDG NO.: 0504HGMatrix (soil/water): SOILLab Sample ID: AD425750Level (low/med): LOWDate Received: 5/13/2004% Solids: 99Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	9.4		NS	CV

Amk
alaby

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-29-7'

Contract:

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.: 0504HG

Matrix (soil/water): SOIL

Lab Sample ID: AD425751

Level (low/med): LOW

Date Received: 5/13/2004

% Solids: 90

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	0.010	U	N	CV

Amh
9/2/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

U R S Corporation
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-29-0-7'

Contract: _____

Lab Code: STLBFLO

Case No.: _____

SAS No.: _____

SDG NO.: 0504HGMatrix (soil/water): SOILLab Sample ID: AD425752Level (low/med): LOWDate Received: 5/13/2004% Solids: 82Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	0.076		~~N~~ 5	CV

Amk
9/2/04

Color Before: _____

Clarity Before: _____

Texture: _____

Color After: _____

Clarity After: _____

Artifacts: _____

Comments: _____

STL BUFFALO

U R S Corporation
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-30-0-2"

Contract: _____

Lab Code: STLBFLO

Case No.: _____

SAS No.: _____

SDG NO.: 0504HGMatrix (soil/water): SOILLab Sample ID: AD425753Level (low/med): LOWDate Received: 5/13/2004% Solids: 79Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	26.0	~~N~~	3	CV

Amx
012104

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

U R S Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-30-0-8'

Contract: _____

Lab Code: STLBFLO

Case No.: _____

SAS No.: _____

SDG NO.: 0504HGMatrix (soil/water): SOILLab Sample ID: AD425754Level (low/med): LOWDate Received: 5/13/2004% Solids: 85Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	1.1		<i>1.1</i>	CV

*Amk
9/2/04*

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

U R S Corporation

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-30-8'

Contract: _____

Lab Code: STLBFL0

Case No.: _____

SAS No.: _____

SDG NO.: 0504HGMatrix (soil/water): SOILLab Sample ID: AD425755Level (low/med): LOWDate Received: 5/13/2004% Solids: 90Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	0.962		N ³	CV

Amk
9/2/04

Color Before: _____

Clarity Before: _____

Texture: _____

Color After: _____

Clarity After: _____

Artifacts: _____

Comments: _____

STL BUFFALO

U R S Corporation
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-32-0-2'

Contract: _____

Lab Code: STLBFLO

Case No.: _____

SAS No.: _____

SDG NO.: 0504HGMatrix (soil/water): SOILLab Sample ID: AD425757Level (low/med): LOWDate Received: 5/13/2004% Solids: 66Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	14.8		~~N~~ 5	CV

Amk
9/2/04

Color Before: _____

Clarity Before: _____

Texture: _____

Color After: _____

Clarity After: _____

Artifacts: _____

Comments: _____

STL BUFFALO

U R S Corporation

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-31-0-8'

Contract: NY03-337

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG NO.: A04-4887

Matrix (soil/water): SOIL

Lab Sample ID: AD427859

Level (low/med): LOW

Date Received: 5/24/2004

% Solids: 85

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	0.026	B	/	CV

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

U R S Corporation
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-31-8'

Contract: NY03-337

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: A04-4887

Matrix (soil/water): SOIL

Lab Sample ID: AD427858

Level (low/med): LOW

Date Received: 5/24/2004

% Solids: 92

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	0.011	U	/	CV

Amk
8/25/04

Color Before:

Clarity Before:

Texture:

Color After:

Clarity After:

Artifacts:

Comments:

STL BUFFALO

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-32-0-2"

Contract: _____

Lab Code: STLBFLO

Case No.: _____

SAS No.: _____

SDG NO.: 0504HGMatrix (soil/water): SOILLab Sample ID: AD425756Level (low/med): LOWDate Received: 5/13/2004% Solids: 73Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	104		N ⁺ J	CV

Amk
9/2/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

U R S Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-32-2'

Contract: _____

Lab Code: STLBFLO

Case No.: _____

SAS No.: _____

SDG NO.: 0504HGMatrix (soil/water): SOILLab Sample ID: AD425758Level (low/med): LOWDate Received: 5/13/2004% Solids: 54Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	1.6		<i>Handwritten: 1.6</i>	CV

*Amk
9/2/04*

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

U R S Corporation
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-33 0-2"

Contract: NY03-337

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: A04-4573

Matrix (soil/water): SOIL

Lab Sample ID: AD425565

Level (low/med): LOW

Date Received: 5/14/2004

% Solids: 88

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	387		✓	CV

Amk
8/25/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

URS Corporation
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-33 0-7

Contract: NY03-337

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG NO.: A04-4573

Matrix (soil/water): SOIL

Lab Sample ID: AD425569

Level (low/med): LOW

Date Received: 5/14/2004

% Solids: 80

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	0.371			CV

Amk
8/25/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

URS Corporation
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-33 7'

Contract: NY03-337

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG NO.: A04-4573

Matrix (soil/water): SOIL

Lab Sample ID: AD425570

Level (low/med): LOW

Date Received: 5/14/2004

% Solids: 81

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	0.126		✓	CV

8/6/04
AMK

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

U R S Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-34 0-2"

Contract: NY03-337

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG NO.: A04-4573

Matrix (soil/water): SOIL

Lab Sample ID: AD425571

Level (low/med): LOW

Date Received: 5/14/2004

% Solids: 88

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	97.2		/	CV

Amk
8/25/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

URS Corporation
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-34 0-8

Contract: NY03-337

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: A04-4573

Matrix (soil/water): SOIL

Lab Sample ID: AD425572

Level (low/med): LOW

Date Received: 5/14/2004

% Solids: 77

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	0.056	B	/	CV

Amk
8/25/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

URS Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-34 10.2'

Contract: NY03-337

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG NO.: A04-4573

Matrix (soil/water): SOIL

Lab Sample ID: AD425574

Level (low/med): LOW

Date Received: 5/14/2004

% Solids: 88

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	0.011	B	/	CV

Amk
8/25/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

U R S Corporation

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-34 8'

Contract: NY03-337

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG NO.: A04-4573

Matrix (soil/water): SOIL

Lab Sample ID: AD425573

Level (low/med): LOW

Date Received: 5/14/2004

% Solids: 81

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	0.070			CV

Amk
26504

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

U R S Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-35-0-2"

Contract: NY03-337

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: A04-4769

Matrix (soil/water): SOIL

Lab Sample ID: AD427608

Level (low/med): LOW

Date Received: 5/20/2004

% Solids: 85

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	13.0		✓ J	CV

Amk
8/31/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

68/155

U R S Corporation
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-35-0-7.5'

Contract: NY03-337

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.: A04-4769

Matrix (soil/water): SOIL

Lab Sample ID: AD427609

Level (low/med): LOW

Date Received: 5/20/2004

% Solids: 70

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	19.7	✓	5	CV

amk
8/31/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

69/155

U R S Corporation
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-35-7.5'

Contract: NY03-337

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: A04-4769

Matrix (soil/water): SOIL

Lab Sample ID: AD427610

Level (low/med): LOW

Date Received: 5/20/2004

% Solids: 80

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	2.1	✓	J	CV

Amk
8/31/04

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

STL BUFFALO

70/155

U R S Corporation

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-36-0-2"

Contract: NY03-337

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.: A04-4769

Matrix (soil/water): SOIL

Lab Sample ID: AD427611

Level (low/med): LOW

Date Received: 5/20/2004

% Solids: 94

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	20.8		✓	CV

AmK
8/31/04

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

U R S Corporation
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-36-0-8.5'

Contract: NY03-337

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: A04-4769

Matrix (soil/water): SOIL

Lab Sample ID: AD427615

Level (low/med): LOW

Date Received: 5/20/2004

% Solids: 81

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	3.0		✓	CV

Amk
8/3/04

Color Before:

Clarity Before:

Texture:

Color After:

Clarity After:

Artifacts:

Comments:

STL BUFFALO

72/155

U R S Corporation
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-36-9'

Contract: NY03-337

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.: A04-4769

Matrix (soil/water): SOIL

Lab Sample ID: AD427616

Level (low/med): LOW

Date Received: 5/20/2004

% Solids: 85

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	22.0		✓	CV

AmK
8/3/04

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

STL BUFFALO

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-37-0-2*

Contract: NY03-337

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: A04-4887

Matrix (soil/water): SOIL

Lab Sample ID: AD427855

Level (low/med): LOW

Date Received: 5/24/2004

% Solids: 89

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	8.6		*	CV

Am*
8/28/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

U R S Corporation
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-37-0-7'

Contract: NY03-337

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: A04-4887

Matrix (soil/water): SOIL

Lab Sample ID: AD427856

Level (low/med): LOW

Date Received: 5/24/2004

% Solids: 81

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	0.091		/	CV

Amk
8/26/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

U R S Corporation

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-37-7'

Contract: NY03-337

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.: A04-4887

Matrix (soil/water): SOIL

Lab Sample ID: AD427857

Level (low/med): LOW

Date Received: 5/24/2004

% Solids: 80

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	0.100		/	CV

Amk
8/25/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

U R S Corporation
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-38-4.5

Contract: NY03-337

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: A04-4942

Matrix (soil/water): SOIL

Lab Sample ID: AD427881

Level (low/med): LOW

Date Received: 5/25/2004

% Solids: 79

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	0.719		~~N~~ J	CV

Amk
9/2/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

U R S Corporation
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-38-0-4.5

Contract: NY03-337

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.: A04-4942

Matrix (soil/water): SOIL

Lab Sample ID: AD427882

Level (low/med): LOW

Date Received: 5/25/2004

% Solids: 84

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	0.383		~~N~~ S	CV

Amk
9/2/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

U R S Corporation
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-39 0-11'

Contract: NY03-337

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.: A04-4573

Matrix (soil/water): SOIL

Lab Sample ID: AD425577

Level (low/med): LOW

Date Received: 5/14/2004

% Solids: 78

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	1.6		/	CV

Amk
8/25/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

47/96

U R S Corporation
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-39 0-2"

Contract: NY03-337

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: A04-4573

Matrix (soil/water): SOIL

Lab Sample ID: AD425575

Level (low/med): LOW

Date Received: 5/14/2004

% Solids: 93

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	276		*	CV

Amk
8/28/04

Color Before: _____

Clarity Before: _____

Texture: _____

Color After: _____

Clarity After: _____

Artifacts: _____

Comments: _____

U R S Corporation
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-39 11'

Contract: NY03-337

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG NO.: A04-4573

Matrix (soil/water): SOIL

Lab Sample ID: AD425578

Level (low/med): LOW

Date Received: 5/14/2004

% Solids: 82

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	0.395		/	CV

Amk
8/25/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

U R S Corporation
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-39 2'

Contract: NY03-337

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: A04-4573

Matrix (soil/water): SOIL

Lab Sample ID: AD425576

Level (low/med): LOW

Date Received: 5/14/2004

% Solids: 82

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	5750		*	CV

Amk
8/25/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

73/155

U R S Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-40-0-2"

Contract: NY03-337

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: A04-4769

Matrix (soil/water): SOIL

Lab Sample ID: AD427605

Level (low/med): LOW

Date Received: 5/20/2004

% Solids: 94

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	109		✓	CV

Amk
8/31/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

STL BUFFALO

75/155

U R S Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-40-9'

Contract: NY03-337

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: A04-4769

Matrix (soil/water): SOIL

Lab Sample ID: AD427607

Level (low/med): LOW

Date Received: 5/20/2004

% Solids: 84

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	0.421		☒	CV

Amk
8/3/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

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U R S Corporation

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-40-0-9'

Contract: NY03-337

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG NO.: A04-4769

Matrix (soil/water): SOIL

Lab Sample ID: AD427606

Level (low/med): LOW

Date Received: 5/20/2004

% Solids: 69

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	13.6		✓	CV

Amk
8/31/04

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

U R S Corporation
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-41-11'

Contract: NY03-337

Lab Code: STLBFLO

Case No.: _____

SAS No.: _____

SDG NO.: A04-4769

Matrix (soil/water): SOIL

Lab Sample ID: AD427620

Level (low/med): LOW

Date Received: 5/20/2004

% Solids: 81

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	616		✓	CV

Amk
8/31/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

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U R S Corporation
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-42-11'

Contract: NY03-337

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: A04-4769

Matrix (soil/water): SOIL

Lab Sample ID: AD427623

Level (low/med): LOW

Date Received: 5/20/2004

% Solids: 85

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	2.7		✓	CV

AmK
8/31/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

U R S Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-42-0-2"

Contract: NY03-337

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: A04-4769

Matrix (soil/water): SOIL

Lab Sample ID: AD427621

Level (low/med): LOW

Date Received: 5/20/2004

% Solids: 97

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	29.7		/J	CV

AMK
8/31/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-42-0-10'

Contract: NY03-337

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.: A04-4769

Matrix (soil/water): SOIL

Lab Sample ID: AD427622

Level (low/med): LOW

Date Received: 5/20/2004

% Solids: 74

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	62.1		✓	CV

Amk
8/3/04

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

URS Corporation
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-41-0-11'

Contract: NY03-337

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.: A04-4769

Matrix (soil/water): SOIL

Lab Sample ID: AD427619

Level (low/med): LOW

Date Received: 5/20/2004

% Solids: 74

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	10.3		✓ J	CV

Amk
8/31/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

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U R S Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-41-0-2"

Contract: NY03-337

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.: A04-4769

Matrix (soil/water): SOIL

Lab Sample ID: AD427617

Level (low/med): LOW

Date Received: 5/20/2004

% Solids: 98

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	26.7		✓	CV

AMK
8/31/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

U R S Corporation
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-43-0-9'

Contract: NY03-337

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: A04-4769

Matrix (soil/water): SOIL

Lab Sample ID: AD427625

Level (low/med): LOW

Date Received: 5/20/2004

% Solids: 86

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	0.129		✓	CV

AmK
8/3/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

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U R S Corporation

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-43-0-2"

Contract: NY03-337

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.: A04-4769

Matrix (soil/water): SOIL

Lab Sample ID: AD427624

Level (low/med): LOW

Date Received: 5/20/2004

% Solids: 96

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	17.7		✓	CV

Amk
8/31/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

U R S Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-44-0-2"

Contract: NY03-337

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.: A04-4942

Matrix (soil/water): SOIL

Lab Sample ID: AD427883

Level (low/med): LOW

Date Received: 5/25/2004

% Solids: 84

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	24.1		MS	CV

AmK
9/2/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

U R S Corporation
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-44-0-4.5

Contract: NY03-337

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: A04-4942

Matrix (soil/water): SOIL

Lab Sample ID: AD427886

Level (low/med): LOW

Date Received: 5/25/2004

% Solids: 84

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	0.746		N/S	CV

Amh
aplay

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

URS Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-44-4.5

Contract: NY03-337

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: A04-4942

Matrix (soil/water): SOIL

Lab Sample ID: AD427884

Level (low/med): LOW

Date Received: 5/25/2004

% Solids: 87

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	0.055	B	N ⁺	CV

Amk
9/2/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

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U R S Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-46-0-2"

Contract: NY03-337

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.: A04-4769

Matrix (soil/water): SOIL

Lab Sample ID: AD427599

Level (low/med): LOW

Date Received: 5/20/2004

% Solids: 92

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	38.4		☒	CV

AMK
8/3/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

84/155

U R S Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-43-9'

Contract: NY03-337

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG NO.: A04-4769

Matrix (soil/water): SOIL

Lab Sample ID: AD427626

Level (low/med): LOW

Date Received: 5/20/2004

% Solids: 89

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	0.145		✓	CV

Amk
8/31/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

U R S Corporation
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-45-0-11.5

Contract: NY03-337

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG NO.: A04-4625

Matrix (soil/water): SOIL

Lab Sample ID: AD425759

Level (low/med): LOW

Date Received: 5/17/2004

% Solids: 76

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	0.132		/	CV

Amk
8/25/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

URS Corporation
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-45-11.5

Contract: NY03-337

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: A04-4625

Matrix (soil/water): SOIL

Lab Sample ID: AD425760

Level (low/med): LOW

Date Received: 5/17/2004

% Solids: 83

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	0.322		/	CV

Amk
8/6/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

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U R S Corporation
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-46-9'

Contract: NY03-337

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.: A04-4769

Matrix (soil/water): SOIL

Lab Sample ID: AD427604

Level (low/med): LOW

Date Received: 5/20/2004

% Solids: 73

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	1460		✓	CV

AmK
8/31/04

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

STL BUFFALO

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U R S Corporation
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-46-0-9'

Contract: NY03-337

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.: A04-4769

Matrix (soil/water): SOIL

Lab Sample ID: AD427603

Level (low/med): LOW

Date Received: 5/20/2004

% Solids: 90

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	23.2		✓	CV

AmK
8/3/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

U R S Corporation
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-47-9'

Contract: NY03-337

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: A04-4769

Matrix (soil/water): SOIL

Lab Sample ID: AD427628

Level (low/med): LOW

Date Received: 5/20/2004

% Solids: 84

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	0.580		✓	CV

Amk
8/3/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

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U R S Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-47-0-9'

Contract: NY03-337

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: A04-4769

Matrix (soil/water): SOIL

Lab Sample ID: AD427629

Level (low/med): LOW

Date Received: 5/20/2004

% Solids: 82

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	0.870		✓	CV

Amk
8/3/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

88/155

U R S Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-47-0-2"

Contract: NY03-337

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG NO.: A04-4769

Matrix (soil/water): SOIL

Lab Sample ID: AD427627

Level (low/med): LOW

Date Received: 5/20/2004

% Solids: 89

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	8.8		✓	CV

Amk
8/3/04

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

U R S Corporation
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-48-0-2*

Contract: NY03-337

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: A04-4942

Matrix (soil/water): SOIL

Lab Sample ID: AD427887

Level (low/med): LOW

Date Received: 5/25/2004

% Solids: 93

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	53.9		N*J	CV

Amk
alby

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

U R S Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-48-4'

Contract: NY03-337

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: A04-4942

Matrix (soil/water): SOIL

Lab Sample ID: AD427888

Level (low/med): LOW

Date Received: 5/25/2004

% Solids: 92

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	20.3	N	5	CV

Amk
9/2/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

U R S Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-48-0-4'

Contract: NY03-337

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: A04-4942

Matrix (soil/water): SOIL

Lab Sample ID: AD427889

Level (low/med): LOW

Date Received: 5/25/2004

% Solids: 83

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	22.8		N ⁺ 3	CV

Amk
9/18/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

U R S Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-49-0-2

Contract: NY03-337

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG NO.: A04-4625

Matrix (soil/water): SOIL

Lab Sample ID: AD425768

Level (low/med): LOW

Date Received: 5/17/2004

% Solids: 75

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	337		/	CV

Amk
ab5by

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

U R S Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-49-0-B

Contract: NY03-337

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG NO.: A04-4625

Matrix (soil/water): SOIL

Lab Sample ID: AD425769

Level (low/med): LOW

Date Received: 5/17/2004

% Solids: 80

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	35.8		/	CV

Amk
8/6/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

U R S Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-49-8

Contract: NY03-337

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG NO.: A04-4625

Matrix (soil/water): SOIL

Lab Sample ID: AD425770

Level (low/med): LOW

Date Received: 5/17/2004

% Solids: 81

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	37.4		/	CV

Amk
8/25/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

URS Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-50-0-2*

Contract: NY03-337

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.: A04-4717

Matrix (soil/water): SOIL

Lab Sample ID: AD426669

Level (low/med): LOW

Date Received: 5/19/2004

% Solids: 86

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	R -0.792		*	CV

Amk
8/25/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

U R S Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-50-0-9'

Contract: NY03-337

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: A04-4717

Matrix (soil/water): SOIL

Lab Sample ID: AD426670

Level (low/med): LOW

Date Received: 5/19/2004

% Solids: 79

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	277		✓	CV

Amk
8/25/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

URS Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-50-9'

Contract: NY03-337

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG NO.: A04-4717

Matrix (soil/water): SOIL

Lab Sample ID: AD426671

Level (low/med): LOW

Date Received: 5/19/2004

% Solids: 71

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	6280		✓	CV

Amk
8/6/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

U R S Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-51-0-2"

Contract: NY03-337

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.: A04-4717

Matrix (soil/water): SOIL

Lab Sample ID: AD426672

Level (low/med): LOW

Date Received: 5/19/2004

% Solids: 98

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	R 1.2	+	+	CV

AMK
8/25/04

Color Before:

Clarity Before:

Texture:

Color After:

Clarity After:

Artifacts:

Comments:

STL BUFFALO

U R S Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-51-0-9'

Contract: NY03-337

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: A04-4717

Matrix (soil/water): SOIL

Lab Sample ID: AD426674

Level (low/med): LOW

Date Received: 5/19/2004

% Solids: 78

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	598		/	CV

Amik
5/25/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

U R S Corporation

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-51-9'

Contract: NY03-337

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: A04-4717

Matrix (soil/water): SOIL

Lab Sample ID: AD426673

Level (low/med): LOW

Date Received: 5/19/2004

% Solids: 84

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	609		/	CV

Amk
8/25/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

U R S Corporation
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-52-0-2"

Contract: NY03-337

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG NO.: A04-4887

Matrix (soil/water): SOIL

Lab Sample ID: AD427852

Level (low/med): LOW

Date Received: 5/24/2004

% Solids: 92

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	7.6		/	CV

Amk
8/28/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

U R S Corporation

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-52-0-8'

Contract: NY03-337

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: A04-4887

Matrix (soil/water): SOIL

Lab Sample ID: AD427853

Level (low/med): LOW

Date Received: 5/24/2004

% Solids: 79

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	0.049	B	/	CV

Amk
8/6/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

U R S Corporation
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-52-8'

Contract: NY03-337

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: A04-4887

Matrix (soil/water): SOIL

Lab Sample ID: AD427854

Level (low/med): LOW

Date Received: 5/24/2004

Solids: 78

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	0.036	B	/	CV

Amk
8/25/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

U R S Corporation
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-53-0-2

Contract: NY03-337

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: A04-4625

Matrix (soil/water): SOIL

Lab Sample ID: AD425771

Level (low/med): LOW

Date Received: 5/17/2004

% Solids: 83

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	1600		/	CV

Amk
8/25/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

U R S Corporation
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-53-0-8

Contract: NY03-337

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.: A04-4625

Matrix (soil/water): SOIL

Lab Sample ID: AD425772

Level (low/med): LOW

Date Received: 5/17/2004

% Solids: 80

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	28.7			CV

Amk
8/25/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

U R S Corporation
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-53-8

Contract: NY03-337

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: A04-4625

Matrix (soil/water): SOIL

Lab Sample ID: AD425773

Level (low/med): LOW

Date Received: 5/17/2004

% Solids: 70

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	29.7			CV

Amk
8/6/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

U R S Corporation
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-54-0-6'

Contract: NY03-337

Lab Code: STLBFO

Case No.: _____

SAS No.: _____

SDG NO.: A04-4717

Matrix (soil/water): SOIL

Lab Sample ID: AD426660

Level (low/med): LOW

Date Received: 5/19/2004

% Solids: 74

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	1.7		/	CV

Amk
8/2004

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-54-0-2"

Contract: NY03-337

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG NO.: A04-4717

Matrix (soil/water): SOIL

Lab Sample ID: AD426675

Level (low/med): LOW

Date Received: 5/19/2004

% Solids: 94

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	51.7		/	CV

Amk
8/25/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

U R S Corporation
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-54-6'

Contract: NY03-337

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.: A04-4717

Matrix (soil/water): SOIL

Lab Sample ID: AD426661

Level (low/med): LOW

Date Received: 5/19/2004

% Solids: 79

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	R 0.287		*	CV

Amk
8/25/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-55-0-2*

Contract: NY03-337

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.: A04-4887

Matrix (soil/water): SOIL

Lab Sample ID: AD427846

Level (low/med): LOW

Date Received: 5/24/2004

% Solids: 82

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	3.2		/	CV

Amk
8/25/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-55-0-7'

Contract: NY03-337

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG NO.: A04-4887

Matrix (soil/water): SOIL

Lab Sample ID: AD427851

Level (low/med): LOW

Date Received: 5/24/2004

% Solids: 85

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	1.0		✓	CV

Am's
8/6/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-55-7'

Contract: NY03-337

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.: A04-4887

Matrix (soil/water): SOIL

Lab Sample ID: AD427850

Level (low/med): LOW

Date Received: 5/24/2004

% Solids: 84

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	7.7			CV

HMK
8/25/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-56-5'

Contract: NY03-337

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG NO.: A04-4850

Matrix (soil/water): SOIL

Lab Sample ID: AD427649

Level (low/med): LOW

Date Received: 5/21/2004

% Solids: 87

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	0.320		/	CV

Amk
8/3/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

U R S Corporation
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-56-0-5'

Contract: NY03-337

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG NO.: A04-4850

Matrix (soil/water): SOIL

Lab Sample ID: AD427648

Level (low/med): LOW

Date Received: 5/21/2004

% Solids: 94

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	0.335		/	CV

Amk
8/3/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-56-0-2*

Contract: NY03-337

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.: A04-4850

Matrix (soil/water): SOIL

Lab Sample ID: AD427647

Level (low/med): LOW

Date Received: 5/21/2004

% Solids: 94

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	23.5		/	CV

Amk
8/3/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

U R S Corporation
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-57-0-2

Contract: NY03-337

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG NO.: A04-4625

Matrix (soil/water): SOIL

Lab Sample ID: AD425774

Level (low/med): LOW

Date Received: 5/17/2004

% Solids: 85

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	41.3			CV

Amk
8/25/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

U R S Corporation
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-57-0-5

Contract: NY03-337

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: A04-4625

Matrix (soil/water): SOIL

Lab Sample ID: AD425775

Level (low/med): LOW

Date Received: 5/17/2004

% Solids: 85

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	104		☒	CV

Amk
8/25/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

U R S Corporation
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-57-5

Contract: NY03-337

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: A04-4625

Matrix (soil/water): SOIL

Lab Sample ID: AD425776

Level (low/med): LOW

Date Received: 5/17/2004

% Solids: 74

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	2790	/		CV

Amk
8/25/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

U R S Corporation
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-58-0-2"

Contract: NY03-337

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: A04-4717

Matrix (soil/water): SOIL

Lab Sample ID: AD426657

Level (low/med): LOW

Date Received: 5/19/2004

% Solids: 80

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	119		/	CV

Amk
6/25/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

U R S Corporation

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-58-0-6'

Contract: NY03-337

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.: A04-4717

Matrix (soil/water): SOIL

Lab Sample ID: AD426658

Level (low/med): LOW

Date Received: 5/19/2004

% Solids: 77

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	1.5			CV

RMK
8/25/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-58-6'

Contract: NY03-337

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.: A04-4717

Matrix (soil/water): SOIL

Lab Sample ID: AD426659

Level (low/med): LOW

Date Received: 5/19/2004

% Solids: 78

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	R -0.747		+	CV

Amk
8/25/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

U R S Corporation
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-59-0-2*

Contract: NY03-337

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG NO.: A04-4717

Matrix (soil/water): SOIL

Lab Sample ID: AD426654

Level (low/med): LOW

Date Received: 5/19/2004

% Solids: 88

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	631			CV

Amk
8/25/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-59-0-5"

Contract: NY03-337

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.: A04-4717

Matrix (soil/water): SOIL

Lab Sample ID: AD426655

Level (low/med): LOW

Date Received: 5/19/2004

% Solids: 78

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	13.5		/	CV

Amk
8/6/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-59-5'

Contract: NY03-337

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG NO.: A04-4717

Matrix (soil/water): SOIL

Lab Sample ID: AD426656

Level (low/med): LOW

Date Received: 5/19/2004

% Solids: 81

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	R-0.171			CV

AmK
8/25/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

U R S Corporation
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-60-0-4.5'

Contract: NY03-337

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG NO.: A04-4850

Matrix (soil/water): SOIL

Lab Sample ID: AD427645

Level (low/med): LOW

Date Received: 5/21/2004

% Solids: 90

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	0.465			CV

Amk
8/3/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-60-0-2"

Contract: NY03-337

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: A04-4850

Matrix (soil/water): SOIL

Lab Sample ID: AD427644

Level (low/med): LOW

Date Received: 5/21/2004

% Solids: 69

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	12.0		/	CV

Amk
8/3/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-61-0-2

Contract: NY03-337

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.: A04-4625

Matrix (soil/water): SOIL

Lab Sample ID: AD425777

Level (low/med): LOW

Date Received: 5/17/2004

% Solids: 91

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	433		/	CV

Amk
8/6/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-61-0-6

Contract: NY03-337

Lab Code: STLBFLO

Case No.: _____

SAS No.: _____

SDG NO.: A04-4625

Matrix (soil/water): SOIL

Lab Sample ID: AD425778

Level (low/med): LOW

Date Received: 5/17/2004

% Solids: 79

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	34.2	✓		CV

Amis
8/6/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

U R S Corporation
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-61-7

Contract: NY03-337

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG NO.: A04-4625

Matrix (soil/water): SOIL

Lab Sample ID: AD425779

Level (low/med): LOW

Date Received: 5/17/2004

% Solids: 81

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	70.9		/	CV

Amk
8/6/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-62-0-2

Contract: NY03-337

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: A04-4625

Matrix (soil/water): SOIL

Lab Sample ID: AD425780

Level (low/med): LOW

Date Received: 5/17/2004

% Solids: 80

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	634		/	CV

Amk
2005/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-62-0-7

Contract: NY03-337

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG NO.: A04-4625

Matrix (soil/water): SOIL

Lab Sample ID: AD425782

Level (low/med): LOW

Date Received: 5/17/2004

% Solids: 82

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	1.4		/	CV

Amk
8/6/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-62-7

Contract: NY03-337

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.: A04-4625

Matrix (soil/water): SOIL

Lab Sample ID: AD425783

Level (low/med): LOW

Date Received: 5/17/2004

% Solids: 81

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	0.587		/	CV

Amk
8/5/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-63-0-2"

Contract: NY03-337

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.: A04-4717

Matrix (soil/water): SOIL

Lab Sample ID: AD426648

Level (low/med): LOW

Date Received: 5/19/2004

% Solids: 78

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	426		/	CV

Amk
8/25/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

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U R S Corporation
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-63-0-4.5'

Contract: NY03-337

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.: A04-4717

Matrix (soil/water): SOIL

Lab Sample ID: AD426652

Level (low/med): LOW

Date Received: 5/19/2004

% Solids: 80

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	40.3		✓	CV

Amk
8/26/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

U R S Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-63-4.5'

Contract: NY03-337

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.: A04-4717

Matrix (soil/water): SOIL

Lab Sample ID: AD426653

Level (low/med): LOW

Date Received: 5/19/2004

% Solids: 82

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	18.2		✓	CV

Amk
8/6/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

U R S Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-64-0-2"

Contract: NY03-337

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: A04-4850

Matrix (soil/water): SOIL

Lab Sample ID: AD427630

Level (low/med): LOW

Date Received: 5/21/2004

% Solids: 86

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	1240		/	CV

Amk
8/3/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

U R S Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-60-4.5'

Contract: NY03-337

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: A04-4850

Matrix (soil/water): SOIL

Lab Sample ID: AD427646

Level (low/med): LOW

Date Received: 5/21/2004

% Solids: 87

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	0.929		/	CV

AmK
8/3/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

U R S Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-64-0-3.5'

Contract: NY03-337

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: A04-4850

Matrix (soil/water): SOIL

Lab Sample ID: AD427635

Level (low/med): LOW

Date Received: 5/21/2004

% Solids: 80

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	1.7		✓	CV

Amk
8/3/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

U R S Corporation
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-64-3.5'

Contract: NY03-337

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: A04-4850

Matrix (soil/water): SOIL

Lab Sample ID: AD427634

Level (low/med): LOW

Date Received: 5/21/2004

% Solids: 80

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	2.0			CV

Amk
8/3/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

U R S Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-65-0-3'

Contract: NY03-337

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: A04-4942

Matrix (soil/water): SOIL

Lab Sample ID: AD427891

Level (low/med): LOW

Date Received: 5/25/2004

% Solids: 78

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	15.5		N ^o 5	CV

Amk
9/2/03

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

U R S Corporation
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-65-3'

Contract: NY03-337

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: A04-4942

Matrix (soil/water): SOIL

Lab Sample ID: AD427890

Level (low/med): LOW

Date Received: 5/25/2004

% Solids: 83

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	23.5		N ⁺ 5	CV

Amk
9/2/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

U R S Corporation

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-66-0-1.9'

Contract: NY03-337

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.: A04-4661

Matrix (soil/water): SOIL

Lab Sample ID: AD426325

Level (low/med): LOW

Date Received: 5/18/2004

% Solids: 90

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	638		✓	CV

Amk
8/25/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

U R S Corporation
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-66-0-2"

Contract: NY03-337

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG NO.: A04-4661

Matrix (soil/water): SOIL

Lab Sample ID: AD426324

Level (low/med): LOW

Date Received: 5/18/2004

% Solids: 93

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	65.9		✓	CV

Amk
8/25/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

U R S Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-67-0-4.5

Contract: NY03-337

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG NO.: A04-4661

Matrix (soil/water): SOIL

Lab Sample ID: AD426329

Level (low/med): LOW

Date Received: 5/18/2004

% Solids: 85

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	170		✓	CV

Rmk
8/25/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

U R S Corporation
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-66-1.9'

Contract: NY03-337

Lab Code: STLBFO

Case No.: _____

SAS No.: _____

SDG NO.: A04-4661

Matrix (soil/water): SOIL

Lab Sample ID: AD426326

Level (low/med): LOW

Date Received: 5/18/2004

% Solids: 81

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	4.7		✓	CV

Amx
8/25/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

URS Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-68-0-1.3'

Contract: NY03-337

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.: A04-4661

Matrix (soil/water): SOIL

Lab Sample ID: AD426327

Level (low/med): LOW

Date Received: 5/18/2004

% Solids: 94

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	139		✓	CV

Amk
8/25/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

U R S Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-67-4.5

Contract: NY03-337

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: A04-4661

Matrix (soil/water): SOIL

Lab Sample ID: AD426330

Level (low/med): LOW

Date Received: 5/18/2004

% Solids: 84

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	12.5		✓ J	CV

Amk
8/25/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

U R S Corporation
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-68-1.3'

Contract: NY03-337

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: A04-4661

Matrix (soil/water): SOIL

Lab Sample ID: AD426328

Level (low/med): LOW

Date Received: 5/18/2004

% Solids: 86

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	19.2		✓	CV

Amk
8/25/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

URS Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-69-0-1'

Contract: NY03-337

Lab Code: STLEFLO

Case No.: _____

SAS No.: _____

SDG NO.: A04-4661

Matrix (soil/water): SOIL

Lab Sample ID: AD426335

Level (low/med): LOW

Date Received: 5/18/2004

% Solids: 88

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	63.1		✓	CV

Amk
8/16/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

U R S Corporation
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-69-0-2"

Contract: NY03-337

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.: A04-4661

Matrix (soil/water): SOIL

Lab Sample ID: AD426334

Level (low/med): LOW

Date Received: 5/18/2004

% Solids: 96

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	180		✓	CV

Amk
8/25/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

U R S Corporation
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-69-1'

Contract: NY03-337

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG NO.: A04-4661

Matrix (soil/water): SOIL

Lab Sample ID: AD426336

Level (low/med): LOW

Date Received: 5/18/2004

% Solids: 85

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	66.0		15	CV

Amk
8/25/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

URS Corporation
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-70-0-2"

Contract: NY03-337

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: A04-4661

Matrix (soil/water): SOIL

Lab Sample ID: AD426355

Level (low/med): LOW

Date Received: 5/18/2004

% Solids: 93

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	1070		✓	CV

AmK
8/25/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

U R S Corporation
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-70-0-4'

Contract: NY03-337

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG NO.: A04-4661

Matrix (soil/water): SOIL

Lab Sample ID: AD426356

Level (low/med): LOW

Date Received: 5/18/2004

% Solids: 91

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	278		1/3	CV

Amk
8/25/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

U R S Corporation
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-70-4'

Contract: NY03-337

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.: A04-4661

Matrix (soil/water): SOIL

Lab Sample ID: AD426358

Level (low/med): LOW

Date Received: 5/18/2004

% Solids: 92

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	3470		✓	CV

Amk
8/25/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

U R S Corporation
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-71-0-2"

Contract: NY03-337

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.: A04-4661

Matrix (soil/water): SOIL

Lab Sample ID: AD426331

Level (low/med): LOW

Date Received: 5/18/2004

% Solids: 92

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	292		✓	CV

Amh
8/25/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

U R S Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-71-0-3'

Contract: NY03-337

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: A04-4661

Matrix (soil/water): SOIL

Lab Sample ID: AD426332

Level (low/med): LOW

Date Received: 5/18/2004

% Solids: 85

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	194		✓	CV

Amk
8/25/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

U R S Corporation
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-71-3'

Contract: NY03-337

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: A04-4661

Matrix (soil/water): SOIL

Lab Sample ID: AD426333

Level (low/med): LOW

Date Received: 5/18/2004

% Solids: 83

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	115		✓ J	CV

AmK
8/25/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

U R S Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-72-0-2'

Contract: NY03-337

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.: A04-4661

Matrix (soil/water): SOIL

Lab Sample ID: AD426347

Level (low/med): LOW

Date Received: 5/18/2004

% Solids: 90

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	477		✓	CV

Amk
8/25/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

U R S Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-72-0-2"

Contract: NY03-337

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: A04-4661

Matrix (soil/water): SOIL

Lab Sample ID: AD426342

Level (low/med): LOW

Date Received: 5/18/2004

% Solids: 95

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	270		✓ 3	CV

Amh
8/25/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

U R S Corporation
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-72-2'

Contract: NY03-337

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: A04-4661

Matrix (soil/water): SOIL

Lab Sample ID: AD426346

Level (low/med): LOW

Date Received: 5/18/2004

% Solids: 89

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	319		✓	CV

amk
8/25/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

U R S Corporation
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-73-0-1'

Contract: NY03-337

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG NO.: A04-4661

Matrix (soil/water): SOIL

Lab Sample ID: AD426349

Level (low/med): LOW

Date Received: 5/18/2004

% Solids: 97

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	2110		✓	CV

Amk
8/25/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

U R S Corporation
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-73-0-2'

Contract: NY03-337

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.: A04-4661

Matrix (soil/water): SOIL

Lab Sample ID: AD426351

Level (low/med): LOW

Date Received: 5/18/2004

% Solids: 95

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	1030		✓	CV

Amk
5/25/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

U R S Corporation
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-73-0-2"

Contract: NY03-337

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.: A04-4661

Matrix (soil/water): SOIL

Lab Sample ID: AD426348

Level (low/med): LOW

Date Received: 5/18/2004

% Solids: 98

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	103		15	CV

Amh
8/6/04

Color Before: _____

Clarity Before: _____

Texture: _____

Color After: _____

Clarity After: _____

Artifacts: _____

Comments: _____

U R S Corporation
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-73-2'

Contract: NY03-337

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: A04-4661

Matrix (soil/water): SOIL

Lab Sample ID: AD426350

Level (low/med): LOW

Date Received: 5/18/2004

% Solids: 89

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	7.5		✓	CV

Amk
8/25/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

U R S Corporation
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-74-0-1

Contract: NY03-337

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: A04-4661

Matrix (soil/water): SOIL

Lab Sample ID: AD426339

Level (low/med): LOW

Date Received: 5/18/2004

% Solids: 94

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	421		✓	CV

Amh
8/25/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

U R S Corporation
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-74-0-2"

Contract: NY03-337

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.: A04-4661

Matrix (soil/water): SOIL

Lab Sample ID: AD426338

Level (low/med): LOW

Date Received: 5/18/2004

% Solids: 97

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	400		✓	CV

Amk
8/25/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

URS Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-74-1

Contract: NY03-337

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG NO.: A04-4661

Matrix (soil/water): SOIL

Lab Sample ID: AD426340

Level (low/med): LOW

Date Received: 5/18/2004

% Solids: 81

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	19.6		✓	CV

Amk
8/25/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

U R S Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-74-3.5'

Contract: NY03-337

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: A04-4661

Matrix (soil/water): SOIL

Lab Sample ID: AD426341

Level (low/med): LOW

Date Received: 5/18/2004

% Solids: 78

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	5.6		✓	CV

Amk
8/25/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-75-0-2'

Contract: NY03-337

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: A04-4850

Matrix (soil/water): SOIL

Lab Sample ID: AD427637

Level (low/med): LOW

Date Received: 5/21/2004

% Solids: 83

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	90.4		*	CV

Amk
8/3/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

U R S Corporation
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-75-0-2"

Contract: NY03-337

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: A04-4850

Matrix (soil/water): SOIL

Lab Sample ID: AD427636

Level (low/med): LOW

Date Received: 5/21/2004

% Solids: 94

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	711		/	CV

Amk
8/3/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

U R S Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-75-1'

Contract: NY03-337

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.: A04-4850

Matrix (soil/water): SOIL

Lab Sample ID: AD427640

Level (low/med): LOW

Date Received: 5/21/2004

% Solids: 89

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	2000		/	CV

Amk
8/3/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

U R S Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-75-2'

Contract: NY03-337

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG NO.: A04-4850

Matrix (soil/water): SOIL

Lab Sample ID: AD427639

Level (low/med): LOW

Date Received: 5/21/2004

% Solids: 79

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	43.1	✓		CV

Amk
8/3/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

U R S Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-76-0-2"

Contract: NY03-337

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: A04-4850

Matrix (soil/water): SOIL

Lab Sample ID: AD427641

Level (low/med): LOW

Date Received: 5/21/2004

% Solids: 98

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	48.7		/	CV

Amk
8/3/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

URS Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-76-0-4.5'

Contract: NY03-337

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: A04-4850

Matrix (soil/water): SOIL

Lab Sample ID: AD427642

Level (low/med): LOW

Date Received: 5/21/2004

% Solids: 82

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	29.4		/	CV

Amk
8/3/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

U R S Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-76-4.5'

Contract: NY03-337

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.: A04-4850

Matrix (soil/water): SOIL

Lab Sample ID: AD427643

Level (low/med): LOW

Date Received: 5/21/2004

% Solids: 81

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	12.5		/	CV

Amk
8/3/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

U R S Corporation
-I-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-77-0-2'

Contract: NY03-337

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: A04-4661

Matrix (soil/water): SOIL

Lab Sample ID: AD426354

Level (low/med): LOW

Date Received: 5/18/2004

% Solids: 88

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	54.4		✓	CV

AMK
8/25/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

U R S Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-77-0-2"

Contract: NY03-337

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: A04-4661

Matrix (soil/water): SOIL

Lab Sample ID: AD426352

Level (low/med): LOW

Date Received: 5/18/2004

% Solids: 94

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	95.5		✓	CV

AMK
8/25/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

URS Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-77-2'

Contract: NY03-337

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: A04-4661

Matrix (soil/water): SOIL

Lab Sample ID: AD426353

Level (low/med): LOW

Date Received: 5/18/2004

% Solids: 88

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	0.868		✓	CV

Amk
8/25/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

U R S Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-78-0-4'

Contract: NY03-337

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: AD4-4942

Matrix (soil/water): SOIL

Lab Sample ID: AD427893

Level (low/med): LOW

Date Received: 5/25/2004

% Solids: 89

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	0.046	B	✓	CV

AMK
9/2/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

U R S Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-78-4'

Contract: NY03-337

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.: A04-4942

Matrix (soil/water): SOIL

Lab Sample ID: AD427892

Level (low/med): LOW

Date Received: 5/25/2004

% Solids: 85

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	1.3		N ⁺ J	CV

Amk
9/2/04

Color Before:

Clarity Before:

Texture:

Color After:

Clarity After:

Artifacts:

Comments:

STL BUFFALO

U R S Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-79-0-2"

Contract: NY03-337

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG NO.: A04-4717

Matrix (soil/water): SOIL

Lab Sample ID: AD426662

Level (low/med): LOW

Date Received: 5/19/2004

% Solids: 95

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	23.7			CV

Amk
8/25/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

85/145

U R S Corporation

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-79-0-7'

Contract: NY03-337

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG NO.: A04-4717

Matrix (soil/water): SOIL

Lab Sample ID: AD426664

Level (low/med): LOW

Date Received: 5/19/2004

% Solids: 91

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	7.5		/	CV

Amx
8/25/04

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

STL BUFFALO

URS Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-79-7.5

Contract: NY03-337

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.: A04-4717

Matrix (soil/water): SOIL

Lab Sample ID: AD426663

Level (low/med): LOW

Date Received: 5/19/2004

% Solids: 80

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	R 0.714	+	+	CV

AMK
8/25/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

U R S Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-80-9'

Contract: NY03-337

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: A04-4717

Matrix (soil/water): SOIL

Lab Sample ID: AD426666

Level (low/med): LOW

Date Received: 5/19/2004

% Solids: 80

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	483			CV

Amk
8/6/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

U R S Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-80-0-9'

Contract: NY03-337

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG NO.: A04-4717

Matrix (soil/water): SOIL

Lab Sample ID: AD426668

Level (low/med): LOW

Date Received: 5/19/2004

% Solids: 85

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	4110			CV

Amk
8/29/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

U R S Corporation

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-81 0-2

Contract: NY03-337

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: A04-5011

Matrix (soil/water): SOIL

Lab Sample ID: AD428653

Level (low/med): LOW

Date Received: 5/26/2004

% Solids: 60

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	30.8		/	CV

Amk
delay

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

43/97

STL BUFFALO

U R S Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-81 0-4

Contract: NY03-337

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.: A04-5011

Matrix (soil/water): SOIL

Lab Sample ID: AD428658

Level (low/med): LOW

Date Received: 5/26/2004

% Solids: 77

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	0.041	B	/	CV

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

U R S Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-81 4

Contract: NY03-337

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG NO.: A04-5011

Matrix (soil/water): SOIL

Lab Sample ID: AD428657

Level (low/med): LOW

Date Received: 5/26/2004

% Solids: 81

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	0.023	U	/	CV

mk
8/5/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

U R S Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-82 0-2

Contract: NY03-337

Lab Code: STLBFLO

Case No.: _____

SAS No.: _____

SDG NO.: A04-5011

Matrix (soil/water): SOIL

Lab Sample ID: AD428659

Level (low/med): LOW

Date Received: 5/26/2004

% Solids: 44

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	166		✓	CV

Amk
8/3/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

URS Corporation

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-82 4

Contract: NY03-337

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: A04-5011

Matrix (soil/water): SOIL

Lab Sample ID: AD428661

Level (low/med): LOW

Date Received: 5/26/2004

% Solids: 83

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	0.135		/	CV

Amk
9/14/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

U R S Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-82 0-4

Contract: NY03-337

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG NO.: A04-5011

Matrix (soil/water): SOIL

Lab Sample ID: AD428660

Level (low/med): LOW

Date Received: 5/26/2004

% Solids: 80

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	0.249		/	CV

Amf
9/14/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

49/97

STL BUFFALO

U R S Corporation

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-84-4-6

Contract: NY03-337

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.: A04-5011

Matrix (soil/water): SOIL

Lab Sample ID: AD428664

Level (low/med): LOW

Date Received: 5/26/2004

% Solids: 81

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	1200		/	CV

Amk
9/14/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

URS Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-83-0-2

Contract: NY03-337

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.: A04-5011

Matrix (soil/water): SOIL

Lab Sample ID: AD428663

Level (low/med): LOW

Date Received: 5/26/2004

% Solids: 90

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	26.1		✓	CV

Amk
9/14/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

URS Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-05B-1

Contract: NY03-337

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG NO.: A04-5011

Matrix (soil/water): SOIL

Lab Sample ID: AD428666

Level (low/med): LOW

Date Received: 5/26/2004

% Solids: 85

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	964		/	CV

Amk
9/14/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

U R S Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-85-0.5

Contract: NY03-337

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: A04-5011

Matrix (soil/water): SOIL

Lab Sample ID: AD428665

Level (low/med): LOW

Date Received: 5/26/2004

% Solids: 80

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	887		/	CV

Amk
9/14/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

URS Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-87-0-2

Contract: NY03-337

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: A04-5011

Matrix (soil/water): SOIL

Lab Sample ID: AD428668

Level (low/med): LOW

Date Received: 5/26/2004

% Solids: 92

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	96.3		/	CV

Amk
9/14/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

U R S Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-86-2-4

Contract: NY03-337

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: A04-5011

Matrix (soil/water): SOIL

Lab Sample ID: AD428667

Level (low/med): LOW

Date Received: 5/26/2004

% Solids: 80

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	4.3		/	CV

Amk
9/14/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

87/145

U R S Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-80-0-2"

Contract: NY03-337

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.: A04-4717

Matrix (soil/water): SOIL

Lab Sample ID: AD426665

Level (low/med): LOW

Date Received: 5/19/2004

% Solids: 97

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	B 0.598		*	CV

Amh
8/25/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

U R S Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-90-0-2

Contract: NY03-337

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG NO.: A04-5075

Matrix (soil/water): SOIL

Lab Sample ID: AD428677

Level (low/med): LOW

Date Received: 5/27/2004

% Solids: 84

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	3930		/	CV

Amh
8/3/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

81/147

U R S Corporation

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-90-2-4

Contract: NY03-337

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.: A04-5075

Matrix (soil/water): SOIL

Lab Sample ID: AD428678

Level (low/med): LOW

Date Received: 5/27/2004

% Solids: 87

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	5.8		✓	CV

Amk
8/3/04

Color Before:

Clarity Before:

Texture:

Color After:

Clarity After:

Artifacts:

Comments:

STL BUFFALO

URS Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-91-0-2

Contract: NY03-337

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG NO.: A04-5075

Matrix (soil/water): SOIL

Lab Sample ID: AD428669

Level (low/med): LOW

Date Received: 5/27/2004

% Solids: 96

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	496		/	CV

Amk
8/3/04

Color Before:

Clarity Before:

Texture:

Color After:

Clarity After:

Artifacts:

Comments:

STL BUFFALO

83/147

URS Corporation

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-91-2-4

Contract: NY03-337

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG NO.: A04-5075

Matrix (soil/water): SOIL

Lab Sample ID: AD428674

Level (low/med): LOW

Date Received: 5/27/2004

% Solids: 96

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	158		/	CV

Color Before:

Clarity Before:

Texture:

Color After:

Clarity After:

Artifacts:

Comments:

Amk
8/3/04

STL BUFFALO

URS Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-92-0-2

Contract: NY03-337

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: A04-5075

Matrix (soil/water): SOIL

Lab Sample ID: AD428675

Level (low/med): LOW

Date Received: 5/27/2004

% Solids: 91

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	4040		/	CV

Amk
8/3/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

URS Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-92-2-4

Contract: NY03-337

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: A04-5075

Matrix (soil/water): SOIL

Lab Sample ID: AD428676

Level (low/med): LOW

Date Received: 5/27/2004

% Solids: 81

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	50.1		/	CV

Amh
8/3/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

URS Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-93-0-2

Contract: NY03-337

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG NO.: A04-5075

Matrix (soil/water): SOIL

Lab Sample ID: AD428679

Level (low/med): LOW

Date Received: 5/27/2004

% Solids: 79

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	141		/	CV

Amk
8/3/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

U R S Corporation

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-93-2-4

Contract: NY03-337

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: A04-5075

Matrix (soil/water): SOIL

Lab Sample ID: AD428680

Level (low/med): LOW

Date Received: 5/27/2004

% Solids: 80

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	5.3		✓	CV

Amk
8/3/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

URS Corporation
-I-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-94-0-2

Contract: NY03-337

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.: A04-5075

Matrix (soil/water): SOIL

Lab Sample ID: AD428682

Level (low/med): LOW

Date Received: 5/27/2004

% Solids: 88

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	7130		/	CV

Amk
8/3/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

URS Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-94-2-4

Contract: NY03-337

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: A04-5075

Matrix (soil/water): SOIL

Lab Sample ID: AD428681

Level (low/med): LOW

Date Received: 5/27/2004

% Solids: 90

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	0.644		/	CV

Amh
8/3/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

U R S Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-95-0-1

Contract: NY03-337

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.: A04-5075

Matrix (soil/water): SOIL

Lab Sample ID: AD428683

Level (low/med): LOW

Date Received: 5/27/2004

% Solids: 94

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	7330		/	CV

Amk
8/13/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

U R S Corporation

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-95-1-2

Contract: NY03-337

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG NO.: A04-5075

Matrix (soil/water): SOIL

Lab Sample ID: AD428684

Level (low/med): LOW

Date Received: 5/27/2004

% Solids: 84

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	238		/	CV

Amk
8/3/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

URS Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-95-2-3

Contract: NY03-337

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG NO.: A04-5075

Matrix (soil/water): SOIL

Lab Sample ID: AD428685

Level (low/med): LOW

Date Received: 5/27/2004

% Solids: 94

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	4.7		/	CV

Amk
8/3/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

URS Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-96-0-2'

Contract: NY03-337

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: A04-5075

Matrix (soil/water): SOIL

Lab Sample ID: AD428686

Level (low/med): LOW

Date Received: 5/27/2004

% Solids: 90

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	1490		/	CV

Amk
8/3/04

Color Before:

Clarity Before:

Texture:

Color After:

Clarity After:

Artifacts:

Comments:

URS Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-96-2-4'

Contract: NY03-337

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.: A04-5075

Matrix (soil/water): SOIL

Lab Sample ID: AD428687

Level (low/med): LOW

Date Received: 5/27/2004

% Solids: 83

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	0.751		/	CV

Amk
8/3/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

95/147

URS Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-97-0-1'

Contract: NY03-337

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: A04-5075

Matrix (soil/water): SOIL

Lab Sample ID: AD428689

Level (low/med): LOW

Date Received: 5/27/2004

% Solids: 87

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	0.792		/	CV

Amk
8/13/04

Color Before:

Clarity Before:

Texture:

Color After:

Clarity After:

Artifacts:

Comments:

URS Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-97-1-3'

Contract: NY03-337

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: A04-5075

Matrix (soil/water): SOIL

Lab Sample ID: AD428688

Level (low/med): LOW

Date Received: 5/27/2004

% Solids: 85

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	1.9		/	CV

Amk
8/3/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

U R S Corporation

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-98-0-1'

Contract: NY03-337

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: A04-5075

Matrix (soil/water): SOIL

Lab Sample ID: AD428690

Level (low/med): LOW

Date Received: 5/27/2004

% Solids: 92

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	558		/	CV

Amk
8/3/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

URS Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-99-1.5'

Contract: NY03-337

Lab Code: STLEFLO

Case No.: _____

SAS No.: _____

SDG NO.: A04-5075

Matrix (soil/water): SOIL

Lab Sample ID: AD428693

Level (low/med): LOW

Date Received: 5/27/2004

% Solids: 83

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	155		✓	CV

Amk
8/13/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

URS Corporation

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-99-2.0'

Contract: NY03-337

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: A04-5075

Matrix (soil/water): SOIL

Lab Sample ID: AD428691

Level (low/med): LOW

Date Received: 5/27/2004

% Solids: 82

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	8.0		/	CV

Amk
8/3/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

URS Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-100-1'

Contract: NY03-337

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.: A04-5075

Matrix (soil/water): SOIL

Lab Sample ID: AD428694

Level (low/med): LOW

Date Received: 5/27/2004

% Solids: 80

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	38.3		/	CV

Amk
8/3/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

U R S Corporation

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-100-2'

Contract: NY03-337

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG NO.: A04-5075

Matrix (soil/water): SOIL

Lab Sample ID: AD428695

Level (low/med): LOW

Date Received: 5/27/2004

% Solids: 79

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	2.0		/	CV

Amk
8/3/04

Color Before:

Clarity Before:

Texture:

Color After:

Clarity After:

Artifacts:

Comments:

URS Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-101-0-1'

Contract: NY03-337

Lab Code: STLBFLO

Case No.: _____

SAS No.: _____

SDG NO.: A04-5075

Matrix (soil/water): SOIL

Lab Sample ID: AD428696

Level (low/med): LOW

Date Received: 5/27/2004

% Solids: 83

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	871		✓	CV

Amk
8/3/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

71/147

URS Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-101-1-2'

Contract: NY03-337

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.: A04-5075

Matrix (soil/water): SOIL

Lab Sample ID: AD428697

Level (low/med): LOW

Date Received: 5/27/2004

% Solids: 79

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	95.6			CV

Amk
8/3/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

U R S Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-101-2-3'

Contract: NY03-337

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG NO.: A04-5075

Matrix (soil/water): SOIL

Lab Sample ID: AD428698

Level (low/med): LOW

Date Received: 5/27/2004

% Solids: 74

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	57.2		/	CV

Amk
8/13/04

Color Before:

Clarity Before:

Texture:

Color After:

Clarity After:

Artifacts:

Comments:

STL BUFFALO

U R S Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-102-0-2'

Contract: NY03-337

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG NO.: A04-5075

Matrix (soil/water): SOIL

Lab Sample ID: AD428699

Level (low/med): LOW

Date Received: 5/27/2004

% Solids: 88

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	7790		/	CV

Amk
8/3/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

URS Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-102-2-3.9'

Contract: NY03-337

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.: A04-5075

Matrix (soil/water): SOIL

Lab Sample ID: AD428700

Level (low/med): LOW

Date Received: 5/27/2004

% Solids: 81

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	7.5		/	CV

Amk
8/3/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

75/147

U R S Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-103-0-2'

Contract: NY03-337

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: A04-5075

Matrix (soil/water): SOIL

Lab Sample ID: AD428702

Level (low/med): LOW

Date Received: 5/27/2004

% Solids: 95

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	21.9			CV

Amk
8/3/04

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

STL BUFFALO

URS Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-103-2-4'

Contract: NY03-337

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG NO.: A04-5075

Matrix (soil/water): SOIL

Lab Sample ID: AD428701

Level (low/med): LOW

Date Received: 5/27/2004

% Solids: 90

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	16.9		✓	CV

Amk
8/3/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

URS Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-104-0-2'

Contract: NY03-337

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.: A04-5075

Matrix (soil/water): SOIL

Lab Sample ID: AD428703

Level (low/med): LOW

Date Received: 5/27/2004

% Solids: 84

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	13100		✓	CV

Amk
8/13/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

URS Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-104-2-4'

Contract: NY03-337

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.: A04-5075

Matrix (soil/water): SOIL

Lab Sample ID: AD428704

Level (low/med): LOW

Date Received: 5/27/2004

% Solids: 80

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	19.3		/	CV

Amk
8/3/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

STL BUFFALO

79/147

URS Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-105-0-2'

Contract: NY03-337

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: A04-5075

Matrix (soil/water): SOIL

Lab Sample ID: AD428705

Level (low/med): LOW

Date Received: 5/27/2004

Solids: 87

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	6.3		✓	CV

Amh
8/13/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

U R S Corporation
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SE-01

Contract: NY03-337

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.: A04-5011

Matrix (soil/water): SOIL

Lab Sample ID: AD428662

Level (low/med): LOW

Date Received: 5/26/2004

% Solids: 87

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	83.1	/		CV

Amk
9/14/04

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

ATTACHMENT C

SUPPORT DOCUMENTATION

CHAIN OF CUSTODY RECORD

PROJECT NO. 41567053.4000

SITE NAME NIACET

SAMPLERS (PRINT/SIGNATURE)

JOHN DORR

ROBERT MURPHY/Robert Murphy

DELIVERY SERVICE: DRP - OFF

AIRBILL NO.:

TESTS

URS

LAB STL - BUFFALO

COOLER 1 of 1

PAGE 1 of 3

BOTTLE TYPE AND PRESERVATIVE

TOTAL NO. OF CONTAINERS

DELIVERY SERVICE: DRP - OFF

AIRBILL NO.:

TOTAL NO. OF CONTAINERS

MATRIX

SAMPLE ID

COMPI/GRAB

TIME

DATE

LOCATION IDENTIFIER

SB-01

5/10/04

1450

G

SB-01 - 0-2"

SO

1

100% glass

REMARKS

Lab to composite

N₁ 0 0.2

DEPTH (IN FEET)

ENDING DEPTH (IN FEET)

FIELD LOT NO. #

SB-01

5/10/04

1456

G

SB-01 - 0-4"

SO

1

100% glass

REMARKS

Lab to composite

N₁ 0 4.0

DEPTH (IN FEET)

ENDING DEPTH (IN FEET)

FIELD LOT NO. #

SB-01

5/10/04

1500

G

SB-01 - 2'

SO

1

100% glass

REMARKS

Lab to composite

N₁ 2 2

DEPTH (IN FEET)

ENDING DEPTH (IN FEET)

FIELD LOT NO. #

SB-02

5/10/04

1526

C

SB-02 - 0-2"

SO

1

100% glass

REMARKS

Lab to composite

N₁ 0 0.2

DEPTH (IN FEET)

ENDING DEPTH (IN FEET)

FIELD LOT NO. #

SB-02

5/10/04

1534

G

SB-02 - 0-3'

SO

1

100% glass

REMARKS

Lab to composite

N₁ 3 3

DEPTH (IN FEET)

ENDING DEPTH (IN FEET)

FIELD LOT NO. #

SB-02

5/10/04

1532

G

SB-02 - 3'

SO

1

100% glass

REMARKS

Lab to composite

N₁ 3 3

DEPTH (IN FEET)

ENDING DEPTH (IN FEET)

FIELD LOT NO. #

SB-08

5/11/04

0927

G

SB-08 - 0-2"

SO

1

100% glass

REMARKS

Lab to composite

N₁ 0 0.2

DEPTH (IN FEET)

ENDING DEPTH (IN FEET)

FIELD LOT NO. #

SB-08

5/11/04

0934

G

SB-08 - 1.6'

SO

1

100% glass

REMARKS

Lab to composite

N₁ 1.6 1.6

DEPTH (IN FEET)

ENDING DEPTH (IN FEET)

FIELD LOT NO. #

SB-08

5/11/04

0935

G

SB-08 - 0-1.6'

SO

1

100% glass

REMARKS

Lab to composite

N₁ 0 1.6

DEPTH (IN FEET)

ENDING DEPTH (IN FEET)

FIELD LOT NO. #

SB-09

5/11/04

1018

G

SB-09 - 0-2"

SO

1

100% glass

REMARKS

Lab to composite

N₁ 0 0.2

DEPTH (IN FEET)

ENDING DEPTH (IN FEET)

FIELD LOT NO. #

SB-09

5/11/04

1013

G

SB-09 - 0-10'

SO

1

100% glass

REMARKS

Lab to composite

N₁ 0 10

DEPTH (IN FEET)

ENDING DEPTH (IN FEET)

FIELD LOT NO. #

SB-09

5/11/04

1012

G

SB-09 - 10' across

SO

1

100% glass

REMARKS

Lab to composite

N₁ 10 10

DEPTH (IN FEET)

ENDING DEPTH (IN FEET)

FIELD LOT NO. #

SB-09

5/11/04

1018

G

SB-09 - 10' below

SO

1

100% glass

REMARKS

Lab to composite

N₁ 10 10

DEPTH (IN FEET)

ENDING DEPTH (IN FEET)

FIELD LOT NO. #

SB-09

5/11/04

1018

G

SB-09 - 10' below

SO

1

100% glass

REMARKS

Lab to composite

N₁ 10 10

DEPTH (IN FEET)

ENDING DEPTH (IN FEET)

FIELD LOT NO. #

SB-09

5/11/04

1018

G

SB-09 - 10' below

SO

1

100% glass

REMARKS

Lab to composite

N₁ 10 10

DEPTH (IN FEET)

ENDING DEPTH (IN FEET)

FIELD LOT NO. #

SB-09

5/11/04

1018

G

SB-09 - 10' below

SO

1

100% glass

REMARKS

Lab to composite

N₁ 10 10

DEPTH (IN FEET)

ENDING DEPTH (IN FEET)

FIELD LOT NO. #

SB-09

5/11/04

1018

G

SB-09 - 10' below

SO

1

100% glass

REMARKS

Lab to composite

N₁ 10 10

DEPTH (IN FEET)

ENDING DEPTH (IN FEET)

FIELD LOT NO. #

SB-09

5/11/04

1018

G

SB-09 - 10' below

SO

1

100% glass

REMARKS

Lab to composite

N₁ 10 10

DEPTH (IN FEET)

ENDING DEPTH (IN FEET)

FIELD LOT NO. #

SB-09

5/11/04

1018

G

SB-09 - 10' below

SO

1

100% glass

REMARKS

Lab to composite

N₁ 10 10

DEPTH (IN FEET)

ENDING DEPTH (IN FEET)

FIELD LOT NO. #

SB-09

5/11/04

1018

G

SB-09 - 10' below

SO

1

100% glass

REMARKS

Lab to composite

N₁ 10 10

DEPTH (IN FEET)

ENDING DEPTH (IN FEET)

FIELD LOT NO. #

SB-09

5/11/04

1018

G

SB-09 - 10' below

SO

1

100% glass

REMARKS

Lab to composite

N₁ 10 10

DEPTH (IN FEET)

ENDING DEPTH (IN FEET)

FIELD LOT NO. #

SB-09

5/11/04

1018

G

SB-09 - 10' below

SO

1

100% glass

REMARKS

Lab to composite

N₁ 10 10

DEPTH (IN FEET)

ENDING DEPTH (IN FEET)

FIELD LOT NO. #

SB-09

5/11/04

1018

G

SB-09 - 10' below

SO

1

100% glass

REMARKS

Lab to composite

N₁ 10 10

DEPTH (IN FEET)

ENDING DEPTH (IN FEET)

FIELD LOT NO. #

SB-09

5/11/04

1018

G

SB-09 - 10' below

SO

1

CHAIN OF CUSTODY RECORD

PROJECT NO.

4156705340000

SAMPLES: (PRINT/SIGNATURE)

ROB MURPHY/Rob Murphy

SITE NAME,

MARKET

JOHN DOE

DELIVERY SERVICE: Drop Off AIRBILL NO.: 1

AIRBILL NO.: 1

LOCATION IDENTIFIER	DATE	TIME	COMPI/GRAB	SAMPLE ID	MATRIX

8	"	9	7	6

OS	2-0-67-575	7136	10/2/5	17-95

9516 CB-27-0-5/50

[illegible]

55-61	5/12/5	17-25	117	0	5-21-5	20

SB-21	12-25	12/21/5	9201	6	SB-21-0-2"	50

0271	4/11	100%	03-31	3875	ca
0271	4/11	100%	03-31	3875	ca

25	11-17-57	657	10/16	252

5/2/04	1046	6	53-21-7.5	50

8-2	8-22	7/10/11	11-2	✓	✓	✓	✓
8-3	8-23	7/10/11	11-2	✓	✓	✓	✓

35-2463/149	52116	6	25-6-20

5/12/04 125 G 58-16-0-2"MS SO

35	1105	211	1105
36	1105	211	1105

25/6	9/5/2	5/12/15	9	30/6/2020

SB 16 5/12/64 1132 G SB-16-O-2' SO

17-72	17-72	✓	✓	✓
17-72	17-72	✓	✓	✓

300	3/14/04	1113	6	30-8-2-1	20
1	4/1/04	1005	1	10-11-1	20

9/28	5/12/04	11471	G	SB-16-1	20

585	5/1/74	1039	58-71-0-21	OS

DATE	TIME	AA - AMBIENT AIR	SL - SLUDGE	WG - GROUND
5/2/81	1:50			

MATRIX
CUTTER

LOCUS	SH - HAZARDOUS SOLID WASTE	WW - WASTE WATER	UC - DRAIN

[illegible]

TYPE CODES	DATE	TIME	RECEIVED BY	REMARKS
304 - MAIL ROOM OF THE DEPARTMENT				

REINQUIRED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)
<i>[Signature]</i>	11/1/81	1:15	<i>[Signature]</i>

5/15/04	65	11	13

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED FOR LAB

[illegible][illegible]

Distribution: Original accompanies shipment, copy to coordinator field files

SF-075G/1 OF 1/ColICR/GCM

CHAIN OF CUSTODY RECORD										TESTS										URS									
PROJECT NO. 41567053.4000		SITE NAME NYACET		LAB STE - BUFFALO		COOLER 1 of 1		PAGE 2 of 4		BOTTLE TYPE AND PRESERVATIVE		REMARKS		DEPTH (IN FEET)		DEPTH (IN FEET)		FIELD LOT NO. #											
LOCATION IDENTIFIER	DATE	TIME	COMP/GRAB	SAMPLE ID	MATRIX	TOTAL NO. OF CONTAINERS	None	None	None	None	None	None	None	None	None	None	None	None											
SB-10	5/12/04	1323	G	SB-10-0-2"	SO	1	1	1	1	1	1	1	1	1	1	1	1	1											
SB-10	5/12/04	1342	G	SB-10-10.4'	SO	1	1	1	1	1	1	1	1	1	1	1	1	1											
SB-10	5/12/04	1343	G	SB-10-0-10.4'	SO	1	1	1	1	1	1	1	1	1	1	1	1	1											
SB-03	5/12/04	1403	G	SB-03-0-2"	SO	1	1	1	1	1	1	1	1	1	1	1	1	1											
SB-03	5/12/04	1421	G	SB-03-12'	SO	1	1	1	1	1	1	1	1	1	1	1	1	1											
SB-03	5/12/04	1422	G	SB-03-0-12'	SO	1	1	1	1	1	1	1	1	1	1	1	1	1											
SB-04	5/12/04	1457	G	SB-04-0-2"	SO	1	1	1	1	1	1	1	1	1	1	1	1	1											
SB-04	5/12/04	1516	G	SB-04-3.5'	SO	1	1	1	1	1	1	1	1	1	1	1	1	1											
SB-04	5/12/04	1517	G	SB-04-0-3.5'	SO	1	1	1	1	1	1	1	1	1	1	1	1	1											
SB-05	5/12/04	1539	G	SB-05-0-2"	SO	1	1	1	1	1	1	1	1	1	1	1	1	1											
SB-05	5/12/04	1608	G	SB-05-4'	SO	1	1	1	1	1	1	1	1	1	1	1	1	1											
SB-05	5/12/04	1609	G	SB-05-0-4'	SO	1	1	1	1	1	1	1	1	1	1	1	1	1											
SB-10	5/12/04	1323	G	SB-10-0-2"	MS	1	1	1	1	1	1	1	1	1	1	1	1	1											

DELIVERY SERVICE: <u>Dropoff</u>		AIRBILL NO.: _____	
LOCATION IDENTIFIER	DATE	TIME	COMP/GRAB
SB-10	5/12/04	1323	G
SB-10	5/12/04	1342	G
SB-10	5/12/04	1343	G
SB-03	5/12/04	1403	G
SB-03	5/12/04	1421	G
SB-03	5/12/04	1422	G
SB-04	5/12/04	1457	G
SB-04	5/12/04	1516	G
SB-04	5/12/04	1517	G
SB-05	5/12/04	1539	G
SB-05	5/12/04	1608	G
SB-05	5/12/04	1609	G
SB-10	5/12/04	1323	G

RELINQUISHED BY (SIGNATURE)		DATE		TIME		RECEIVED BY (SIGNATURE)		DATE		TIME	
<u>Robert Murphy</u>		5/12/04		1655		<u>John Deery</u>		5/12/04		1655	
RELINQUISHED BY (SIGNATURE)		DATE		TIME		RECEIVED FOR LAB BY (SIGNATURE)		DATE		TIME	

SPECIAL INSTRUCTIONS	
CALL BOB HENSCHER @ 856-5636 with any questions.	
2.0°C	

Distribution: Original accompanies shipment, copy to coordinator field files

CHAIN OF CUSTODY RECORD										TESTS										URS									
PROJECT NO. 41567053.40000					SITE NAME NAKET					LAB STC - BUFFALO					COOLER 1 of 1					PAGE 4 of 4									
SAMPLERS (PRINT/SIGNATURE) ROB MURPHY/Rob Murphy					SAMPLERS (PRINT/SIGNATURE) JOHN DEERY/John Deery					BOTTLE TYPE AND PRESERVATIVE					REMARKS					FIELD LOT NO. #									
DELIVERY SERVICE: <u>Drop-off</u> AIRBILL NO.: <u> </u>					TOTAL NO. OF CONTAINERS					2oz glass																			
LOCATION IDENTIFIER	DATE	TIME	COMP/GRAB	SAMPLE ID	MATRIX	WL - LEACHATE	GS - SOIL GAS	WC - DRILLING WATER	WO - OCEAN WATER	WS - SURFACE WATER	WQ - WATER FIELD QC	LI - HAZARDOUS LIQUID WASTE	LF - FLOATING/FREE PRODUCT ON GW TABLE	BEGINNING DEPTH (IN FEET)	ENDING DEPTH (IN FEET)	(RPMs)													
SB-28	5/13/04	1114	G	SB-28-0-2"	SO	1								0	0.2														
SB-28	5/13/04	1114	G	SB-28-0-2"MS	SO	1								0	0.2														
SB-28	5/13/04	1114	G	SB-28-0-2"MD	SO	1								0	0.2														
SB-29	5/13/04	1352	G	SB-29-0-2"	SO	1								0	0.2														
SB-29	5/13/04	1404	G	SB-29-7'	SO	1								0	0.2														
SB-29	5/13/04	1405	G	SB-29-0-7'	SO	1								0	0.2														
SB-30	5/13/04	1441	G	SB-30-0-2"	SO	1								0	0.2														
SB-30	5/13/04	1454	G	SB-30-0-8'	SO	1								0	0.2														
SB-30	5/13/04	1456	G	SB-30-8'	SO	1								0	0.2														
SB-32	5/13/04	1532	G	SB-32-0-2"	SO	1								0	0.2														
SB-32	5/13/04	1539	G	SB-32-0-2'	SO	1								0	0.2														
SB-32	5/13/04	1541	G	SB-32-2'	SO	1								0	0.2														

RELINQUISHED BY (SIGNATURE)		RECEIVED BY (SIGNATURE)		DATE		TIME	
<i>Rob Murphy</i>		<i>John Deery</i>		5/13/04		1655	
RELINQUISHED BY (SIGNATURE)		RECEIVED FOR LAB BY (SIGNATURE)		DATE		TIME	

SPECIAL INSTRUCTIONS	
Call Bob Hensel @ 856-5636 with any questions.	
2.0 °C	

Distribution: Original accompanies shipment, copy to coordinator field files

CHAIN OF CUSTODY RECORD

PROJECT NO. 41567053-40000
 SITE NAME NIACET
 SAMPLERS (PRINT/SIGNATURE) ROB MURPHY / Rob Murphy

DELIVERY SERVICE: DEAP-DEF AIRBILL NO.:

LABORATORY: STL-BUFFALO

COOLER 1 of 1

PAGE 1 of 1

TESTS

MEASUREMENTS (TOTAL)
 TCE
 VOCs
 SVOCs, PCBs
 PCRA MEMS

BOTTLE TYPE AND PRESERVATIVE

TOTAL NO. OF CONTAINERS

LOCATION IDENTIFIER

DATE

TIME

COMP/GRAB

SAMPLE ID

MATRIX

SB-33 5/14/04 0843 G SB-33-0-2" SO

SB-33 5/14/04 1144 G SB-33-0-7 SO

SB-33 5/14/04 1146 G SB-33-7' SO

SB-33 5/14/04 1148 G SB-33-6-7 SO 3

SB-34 5/14/04 0949 G SB-34-0-2" SO

SB-34 5/14/04 1012 G SB-34-0-8 SO

SB-34 5/14/04 1010 G SB-34-8' SO

SB-34 5/14/04 1008 G SB-34-10.2' SO

SB-39 5/14/04 1045 G SB-39-0-2" SO

SB-39 5/14/04 1046 G SB-39-2' SO

SB-39 5/14/04 1105 G SB-39-0-11' SO

SB-39 5/14/04 1107 G SB-39-11' SO

RECEIVED BY (SIGNATURE) Rob Murphy DATE 5/14/04 TIME 1552

RECEIVED BY (SIGNATURE) DATE TIME

RECEIVED BY (SIGNATURE) DATE TIME

RECEIVED BY (SIGNATURE) DATE TIME

RECEIVED BY (SIGNATURE) DATE TIME

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RECEIVED BY (SIGNATURE) DATE TIME

RECEIVED BY (SIGNATURE) DATE TIME

URS

LAB STL-BUFFALO

COOLER 1 of 1

PAGE 1 of 1

REMARKS

SAMPLE TYPE

BEGINNING DEPTH (IN FEET)

ENDING DEPTH (IN FEET)

FIELD LOT NO. 1 (BIRMS)

WM - LEACHATE

GS - SOIL GAS

WC - DRILLING WATER

WG - OCEAN WATER

WS - SURFACE WATER

WQ - WATER FIELD QC

LH - HAZARDOUS LIQUID WASTE

LF - FLOATING/FREE PRODUCT ON GW TABLE

NO - NORMAL ENVIRONMENTAL SAMPLE

MS - MATRIX SPIKE

TS - TRIP BLANK

SD - MATRIX SPIKE DUPLICATE

FR - FIELD REPLICATE

RB - RINSE BLANK

SE - SEDIMENT

SH - HAZARDOUS SOLID WASTE

SL - SLUDGE

WP - DRINKING WATER

WW - WASTE WATER

SPECIAL INSTRUCTIONS

Call Bob Merscher @ 856-5084 any questions.

6.00

CHAIN OF CUSTODY RECORD										TESTS				URS			
PROJECT NO. 41567053.40000		SITE NAME NIACET		LABORATORY STL-BUFFALO		COOLER 1 of 1		PAGE 1 of 2									
SAMPLERS (PRINT/SIGNATURE) ROB MURPHY / Rob Murphy		JOHN DOERF															
DELIVERY SERVICE: DROP-OFF		AIRBILL NO.: _____															
LOCATION IDENTIFIER	DATE	TIME	COMP/GRAB	SAMPLE ID	MATRIX	TOTAL NO. OF CONTAINERS	REMARKS	BOTTLE TYPE AND PRESERVATIVE	TESTS	TESTS	TESTS	TESTS					
SB-45	5/17/04	0956	G	SB-45-0-11.5	SO	1	2oz glass none										
SB-45	5/17/04	0957	G	SB-45-11.5'	SO	1											
MW-01	5/17/04	1026	G	MW-01-0-2"	SO	1											
MW-01	5/17/04	1026	G	MW-01-0-2"MS	SO	1											
MW-01	5/17/04	1026	G	MW-01-0-2"MD	SO	1											
MW-01	5/17/04	1052	G	MW-01-0-9	SO	1											
MW-01	5/17/04	1053	G	MW-01-9	SO	1											
SB-49	5/17/04	1113	G	SB-49-0-2"	SO	1											
SB-49	5/17/04	1138	G	SB-49-0-8'	SO	1											
SB-49	5/17/04	1139	G	SB-49-8	SO	1											
SB-53	5/17/04	1334	G	SB-53-0-2"	SO	1											
SB-53	5/17/04	1353	G	SB-53-0-8'	SO	1											
SB-53	5/17/04	1354	G	SB-53-8	SO	1											
MATRIX CODES		AA - AMBIENT AIR SE - SEDIMENT SH - HAZARDOUS SOLID WASTE		SL - SLUDGE WP - DRINKING WATER WW - WASTE WATER		WG - GROUND WATER SO - SOIL DC - DRILL CUTTINGS		WL - LEACHATE GS - SOIL GAS WC - DRILLING WATER		WO - OCEAN WATER WS - SURFACE WATER WO - WATER FIELD QC		LH - HAZARDOUS LIQUID WASTE LF - FLOATING/FREE PRODUCT ON GW TABLE					
SAMPLE TYPE CODES		TB# - TRIP BLANK SD# - MATRIX SPIKE DUPLICATE		RBA# - RINSE BLANK FR# - FIELD REPLICATE		N# - NORMAL ENVIRONMENTAL SAMPLE MS# - MATRIX SPIKE		# - SEQUENTIAL NUMBER (FROM 1 TO 9) TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)									
RELINQUISHED BY (SIGNATURE) Robert J. Murphy		DATE 5/17/04		TIME 1702		RECEIVED BY (SIGNATURE) John Doerf		DATE 5/17/04		TIME 1702		SPECIAL INSTRUCTIONS Call Bob Henschel @ 856-5636 w/any questions.					
RELINQUISHED BY (SIGNATURE)		DATE		TIME		RECEIVED FOR LAB BY (SIGNATURE)		DATE		TIME							
Distribution: Original accompanies shipment, copy to coordinator field files																	

CHAIN OF CUSTODY RECORD

PROJECT NO. 41567053.4000 SITE NAME MARKET

SAMPLERS (PRINT/SIGNATURE) *Rob Muelhe / 5/18/04*

DELIVERY SERVICE: *PRO-OF* AIRBILL NO.: _____

LOCATION IDENTIFIER	DATE	TIME	COMP/GRAB	SAMPLE ID	MATRIX	TOTAL NO. OF CONTAINERS
MW-02	5/18/04	0838	G	MW-02-0-2"	SO	1
MW-02	5/18/04	0852	G	MW-02-0-1.6'	SO	1
MW-02	5/18/04	0853	G	MW-02-1.6'	SO	1
SB-66	5/18/04	0911	G	SB-66-0-2"	SO	1
SB-66	5/18/04	0917	G	SB-66-0-1.9'	SO	1
SB-66	5/18/04	0918	G	SB-66-1.9'	SO	1
SB-68	5/18/04	0946	G	SB-68-0-1.3'	SO	1
SB-68	5/19/04	0947	G	SB-68-1.3'	SO	1
SB-67	5/18/04	1016	G	SB-67-0-4.5'	SO	1
SB-67	5/18/04	1018	G	SB-67-4.5'	SO	1
SB-71	5/18/04	1045	G	SB-71-0-2"	SO	1
SB-71	5/18/04	1050	G	SB-71-0-3'	SO	1
SB-71	5/18/04	1052	G	SB-71-3'	SO	1

MATRIX CODES	AA - AMBIENT AIR	SL - SLUDGE	WG - GROUND WATER	WL - LEACHATE	WO - OCEAN WATER	LH - HAZARDOUS LIQUID WASTE
SAMPLE TYPE CODES	SE - SEDIMENT	WP - DRINKING WATER	SO - SOIL	GS - SOIL GAS	WS - SURFACE WATER	LF - FLOATING/FREE PRODUCT ON GW TABLE
	SH - HAZARDOUS SOLID WASTE	WW - WASTE WATER	DC - DRILL CUTTINGS	WC - DRILLING WATER	WQ - WATER FIELD QC	
	TB# - TRIP BLANK	RBA# - RINSE BLANK	N# - NORMAL ENVIRONMENTAL SAMPLE			
	SD# - MATRIX SPIKE DUPLICATE	FR# - FIELD REPLICATE	MS# - MATRIX SPIKE			

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME
<i>Robert / 5/18/04</i>	5/18/04	1717			
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED FOR LAB BY (SIGNATURE)	DATE	TIME
			<i>for lab only</i>	5/18/04	1718

Distribution: Original accompanies shipment, copy to coordinator field files

URS-075C/1 OF 1/C&C/QCM

TESTS		BOTTLE TYPE AND PRESERVATIVE		REMARKS	SAMPLE TYPE	BEGINNING DEPTH (IN FEET)	ENDING DEPTH (IN FEET)	FIELD LOT NO. # (RPMs)
LAB <u>STL-BUFFALO</u> COOLER <u>1</u> of <u>1</u> PAGE <u>1</u> of <u>3</u>								
URS								
Any Questions Contact Bob Muehle/2 856-5636, 6:00								

CHAIN OF CUSTODY RECORD

TESTS

URS

PROJECT NO.

41567053.40000

SITE NAME

NIACET

SAMPLERS (PRINT/SIGNATURE)

ROB MURPHY / R. Murphy

DELIVERY SERVICE:

Drop off

AIRBILL NO.:

LOCATION IDENTIFIER	DATE	TIME	COMPI GRAB	SAMPLE ID	MATRIX	TOTAL NO. OF CONTAINERS	REMARKS	SAMPLE TYPE	BEGINNING DEPTH (IN FEET)	ENDING DEPTH (IN FEET)	FIELD LOT NO. # (SERIALS)
SB-69	5/18/04	1104	G	SB-69-0-2"	SO	1		N ₁	0	0.2	
SB-69	5/18/04	1117	G	SB-69-0-1'	SO	1		N ₁	0	1	
SB-69	5/18/04	1120	G	SB-69-1'	SO	1		N ₁	1	1	
SB-74	5/18/04	1138	G	SB-74-0-2"	SO	1		N ₁	0	0.2	
SB-74	5/18/04	1144	G	SB-74-0-1'	SO	1		N ₁	0	1	
SB-74	5/18/04	1146	G	SB-74-1'	SO	1		N ₁	1	1	
SB-74	5/18/04	1148	G	SB-74-3.5'	SO	1		N ₁	3.5	3.5	
SB-72	5/18/04	1343	G	SB-72-0-2"	SO	1		N ₁	0	0.2	
SB-72	5/18/04	1350	G	SB-72-2'	SO	1		N ₁	2	2	
SB-72	5/18/04	1350	G	SB-72-0-2'	SO	1		N ₁	0	2	
SB-73	5/18/04	1404	G	SB-73-0-2"	SO	1		N ₁	0	0.2	
SB-73	5/18/04	1417	G	SB-73-0-1'	SO	1		N ₁	0	1	
SB-73	5/18/04	1423	G	SB-73-2'	SO	1		N ₁	2	2	

MATRIX CODES	AM ¹ - AMBIENT AIR	SE - SEDIMENT	SH - HAZARDOUS SOLID WASTE	SL - SLUDGE	WP - DRINKING WATER	WW - WASTE WATER	WG - GROUND WATER	WL - LEACHATE	WO - OCEAN WATER	WS - SURFACE WATER	WQ - WATER FIELD QC	LH - HAZARDOUS LIQUID WASTE	LF - FLOATING/FREE PRODUCT ON GW TABLE

SAMPLE TYPE CODES	TS ² - TRIP BLANK	SO ³ - MATRIX SPIKE DUPLICATE	RB ⁴ - RINSE BLANK	FR ⁵ - FIELD REPLICATE	NS ⁶ - MATRIX SPIKE	N ⁷ - NORMAL ENVIRONMENTAL SAMPLE	(# - SEQUENTIAL NUMBER (FROM 1 TO 9) TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)

SPECIAL INSTRUCTIONS

Any Questions Contact Bob Herschel
@ 856-5636

6.0°C

DATE

TIME

RECEIVED BY (SIGNATURE)

DATE

TIME

RECEIVED FOR LAB BY (SIGNATURE)

DATE

TIME

DATE

TIME

RECEIVED FOR LAB BY (SIGNATURE)

DATE

TIME

RECEIVED FOR LAB BY (SIGNATURE)

DATE

TIME

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TIME

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RECEIVED FOR LAB BY (SIGNATURE)

DATE

TIME

DATE

TIME

RECEIVED BY (SIGNATURE)

DATE

TIME

RECEIVED FOR LAB BY (SIGNATURE)

DATE

TIME

Distribution: Original accompanies shipment, copy to coordinator field files

CHAIN OF CUSTODY RECORD										TESTS										URS									
PROJECT NO. 41567053.40000			SITE NAME NACET			LAB SD - BUFFALO			COOLER 1 of 1			PAGE 3 of 3			REMARKS			SAMPLE TYPE			BEGINNING DEPTH (IN FEET)			ENDING DEPTH (IN FEET)			FIELD LOT NO. # (ERPMs)		
SAMPLERS (PRINT/SIGNATURE) Ron Kuepff / R. Kuepff			DELIVERY SERVICE: <u>Drop off</u>			AIRBILL NO.: _____			TOTAL NO. # OF CONTAINERS			BOTTLE TYPE AND PRESERVATIVE			TESTS			SAMPLE TYPE			BEGINNING DEPTH (IN FEET)			ENDING DEPTH (IN FEET)			FIELD LOT NO. # (ERPMs)		
LOCATION IDENTIFIER	DATE	TIME	COMP/GRAB	SAMPLE ID	MATRIX	WG - GROUND WATER	WG - SOIL	WG - DRILL CUTTINGS	WL - LEACHATE	WS - SURFACE WATER	WO - OCEAN WATER	LI - HAZARDOUS LIQUID WASTE	LF - FLOATING/FREE PRODUCT ON GW TABLE	REMARKS	SAMPLE TYPE	BEGINNING DEPTH (IN FEET)	ENDING DEPTH (IN FEET)	FIELD LOT NO. # (ERPMs)											
SB-73	5/18/04	1425	G	SB-73-0-2'	SO	1									N ₁	0	2												
SB-77	5/18/04	1450	G	SB-77-0-2"	SO	1									N ₁	0	0.2												
SB-77	5/18/04	1454	G	SB-77-2'	SO	1									N ₁	2	2												
SB-77	5/18/04	1456	G	SB-77-0-2'	SO	1									N ₁	0	2												
SB-70	5/18/04	1523	G	SB-70-0-2"	SO	1									N ₁	0	0.2												
SB-70	5/18/04	1537	G	SB-70-0-4'	SO	1									N ₁	0	4												
SB-70	5/18/04	1544	G	SB-70-4'	SO	1									N ₁	4	4												
R-1	5/18/04	1338	G	R-1	WQ	1									RB ₁	-	-												
R-2	5/18/04	1557	G	R-2	WQ	1									RB ₁	-	-												
SPECIAL INSTRUCTIONS Any Questions Contact Bob Henschel @ 856-5636. 6.03																													

CHAIN OF CUSTODY RECORD

PROJECT NO.

41567053.40000

SAMPLERS (PRINT/SIGNATURE)

ROB MURPHY/R. Murphy

SITE NAME

NIAGOT

TESTS

URS

LAB SL - BUFFALOCOOLER 1 of 1PAGE 1 of 3DELIVERY SERVICE: DROP-OFF AIRBILL NO.: ---

LOCATION IDENTIFIER	DATE	TIME	COMP/GRAB	SAMPLE ID	MATRIX	TOTAL NO. OF CONTAINERS	BOTTLE TYPE AND PRESERVATIVE	REMARKS	SAMPLE TYPE	BEGINNING DEPTH (IN FEET)	ENDING DEPTH (IN FEET)	FIELD LOT NO. # (EPIPLMS)
SB-63	5/19/04	0833	G	SB-63-0-2"	SO	1	2oz glass None 8oz H ₂ O ₂		N ₁	0	0.2	
SB-63	5/19/04	0833	G	SB-63-0-2" MS	SO	1			MS	0	0.2	
SB-63	5/19/04	0833	G	SB-63-0-2" MD	SO	1			MS	0	0.2	
SB-63	5/19/04	0846	G	SB-63-0-4.5'	SO	1			N ₁	0	4.5	
SB-63	5/19/04	0847	G	SB-63-4.5'	SO	1			N ₁	4.5	4.5	
SB-59	5/19/04	0907	G	SB-59-0-2"	SO	1			N ₁	0	0.2	
SB-59	5/19/04	0916	G	SB-59-0-5'	SO	1			N ₁	0	5.0	
SB-59	5/19/04	0917	G	SB-59-5'	SO	1			N ₁	5.0	5.0	
SB-58	5/19/04	0932	G	SB-58-0-2"	SO	1			N ₁	0	0.2	
SB-58	5/19/04	0941	G	SB-58-0-6'	SO	1			N ₁	0	6	
SB-58	5/19/04	0943	G	SB-58-6'	SO	1			N ₁	6	6	
R-3	5/19/04	1002	G	R-3	NQ	1			R ₈	-	-	
SB-54	5/19/04	1005	G	SB-54-0-2"	SO	1			N ₁	0	0.2	

MATRIX CODES	AA - AMBIENT AIR	BB - SEDIMENT	SH - HAZARDOUS SOLID WASTE	SL - SLUDGE	WP - DRINKING WATER	WW - WASTE WATER	WG - GROUND WATER	SO - SOIL	DC - DRILL CUTTINGS	WL - LEACHATE	GS - SOIL GAS	WC - DRILLING WATER	WS - SURFACE WATER	WQ - WATER FIELD OC	U1 - HAZARDOUS LIQUID WASTE	U2 - FLOATING/FREE PRODUCT ON GW TABLE

SAMPLE TYPE CODES	TS - TRIP BLANK	SD - MATRIX SPIKE DUPLICATE	RB - RINSE BLANK	FR - FIELD REPLICATE	NR - NORMAL ENVIRONMENTAL SAMPLE	MS - MATRIX SPIKE	(# - SEQUENTIAL NUMBER FROM 1 TO 9) TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY

RELINQUISHED BY (SIGNATURE)

DATE

RECEIVED BY (SIGNATURE)

DATE

SPECIAL INSTRUCTIONS

Any Questions call Bob Henshel @ 856-5636

RELINQUISHED BY (SIGNATURE)

DATE

RECEIVED FOR LAB BY (SIGNATURE)

DATE

Distribution: Original accompanies shipment, copy to coordinator field files

CHAIN OF CUSTODY RECORD										TESTS										URS									
PROJECT NO. 41567053.40000			SITE NAME N/A CET			LAB STZ - BUFFALO			COOLER 1 of 1			PAGE 2 of 3			COOLING 1 of 1			PAGE 2 of 3			COOLING 1 of 1			PAGE 2 of 3					
SAMPLERS (PRINT/SIGNATURE) Bob Murphy R. Murphy			DELIVERY SERVICE: Drop off			AIRBILL NO.: 1			TOTAL NO. OF CONTAINERS			200 g/SS			REMARKS			SAMPLE TYPE			BEGINNING DEPTH (IN FEET)			ENDING DEPTH (IN FEET)			FIELD LOT NO. # (EXPRIMS)		
LOCATION IDENTIFIER	DATE	TIME	COMP/GRAB	SAMPLE ID	MATRIX	WG - GROUND WATER	WG - SURFACE WATER	WG - DRILLING WATER	WG - OCEAN WATER	WG - LEACHATE	WG - SOIL GAS	WG - SURFACE WATER	WG - WATER FIELD OC	WG - HAZARDOUS LIQUID WASTE	WG - FLOATING/FREE PRODUCT ON GW TABLE	WG - HAZARDOUS LIQUID WASTE	WG - FLOATING/FREE PRODUCT ON GW TABLE	WG - HAZARDOUS LIQUID WASTE	WG - FLOATING/FREE PRODUCT ON GW TABLE	WG - HAZARDOUS LIQUID WASTE	WG - FLOATING/FREE PRODUCT ON GW TABLE	WG - HAZARDOUS LIQUID WASTE	WG - FLOATING/FREE PRODUCT ON GW TABLE	WG - HAZARDOUS LIQUID WASTE	WG - FLOATING/FREE PRODUCT ON GW TABLE	WG - HAZARDOUS LIQUID WASTE	WG - FLOATING/FREE PRODUCT ON GW TABLE		
SB-54	5/19/04	1005	G	SB-54-0-2"MS	SO	1																							
SB-54	5/19/04	1005	G	SB-54-0-2"MD	SO	1																							
SB-54	5/19/04	1014	G	SB-54-0-6'	SO	1																							
SB-54	5/19/04	1016	G	SB-54-6'	SO	1																							
SB-79	5/19/04	1035	G	SB-79-0-2"	SO	1																							
SB-79	5/19/04	1104	G	SB-79-7.5'	SO	1																							
SB-79	5/19/04	1106	G	SB-79-0-7'	SO	1																							
SB-80	5/19/04	1122	G	SB-80-0-2"	SO	1																							
SB-80	5/19/04	1148	G	SB-80-9'	SO	1																							
SB-80	5/19/04	1150	G	SB-80-0-9'	SO	1																							
SB-50	5/19/04	1342	G	SB-50-0-2"	SO	1																							
SB-50	5/19/04	1402	G	SB-50-0-9'	SO	1																							
SB-50	5/19/04	1404	G	SB-50-9'	SO	1																							
REINQUISHED BY (SIGNATURE) R. Murphy			DATE 5/19/04			TIME 1713			RECEIVED BY (SIGNATURE) [Signature]			DATE 5/19/04			TIME 1715			SPECIAL INSTRUCTIONS Any Questions Call Bob Henschel @ 856-5636			6.0°C								
REINQUISHED BY (SIGNATURE) [Signature]			DATE 5/19/04			TIME 1713			RECEIVED FOR LAB BY (SIGNATURE) [Signature]			DATE 5/19/04			TIME 1715														

Distribution: Original accompanies shipment, copy to coordinator field files

URS

SITE NAME *N/A CET*

NAME

W
E
W

BOTTLE

1

202 glass	-	-	-	-	-
none	-	-	-	-	-
8oz plastic	-	-	-	-	-
1/2oz	-	-	-	-	-

[illegible][illegible]

MATRIX CODES	AA - AMBIENT AIR	SL - SLUDGE	WG - GROUND WATER	WL - LEACHATE	WO - OCEAN WATER
	SE - SEDIMENT	WP - DRINKING WATER	SO - SOIL	GS - SOIL GAS	WS - SURFACE WATER
	SH - HAZARDOUS SOLID WASTE	WW - WASTE WATER	DC - DRILL CUTTINGS	WG - DRILLING WATER	WG - WATER FIELD OC
SAMPLE TYPE CODES	TB# - TRAP BLANK	RB# - RINSE BLANK	N# - NORMAL ENVIRONMENTAL SAMPLE		(# - SEQUENTIAL NUMBER (FROM 1 TO 9) TO
	SD# - MATRIX SPIKE DUPLICATE	FR# - FIELD REPLICATE	MS# - MATRIX SPIKE		

	WQ - OCEAN WATER
W5 - SURFACE WATER	
WQ - WATER FIELD OC	

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME	SPECIAL INSTRUCTIONS
<i>K. R. R.</i>	5/19/04	17:13	<i>[Signature]</i>	5/19/04	17:16	Long Question
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED FOR LAB BY (SIGNATURE)	DATE	TIME	836-5635

SPECIAL INSTRUCTIONS

SPECIAL INSTRUCTIONS
Any questions call Bob Herschel @
886-5636

Distribution: Original accompanies shipment, copy to coordinator field files

Li. O.

CHAIN OF CUSTODY RECORD										TESTS										URS	
PROJECT NO. 41567053.40000		SITE NAME NIACET		SAMPLERS (PRINT/SIGNATURE) Rob Mueeny / R. Murphy		DELIVERY SERVICE: <u>DEP-OFF</u>		AIRBILL NO.: <u>---</u>		BOTTLE TYPE AND PRESERVATIVE		REMARKS		SAMPLE TYPE		BEGINNING DEPTH (IN FEET)		ENDING DEPTH (IN FEET)		FIELD LOT NO. #	
LOCATION IDENTIFIER	DATE	TIME	COMPI GRAB	SAMPLE ID	MATRIX	TOTAL NO. # OF CONTAINERS	LABORATORY (TICK)	TESTS	TESTS	TESTS	TESTS	TESTS	TESTS	TESTS	TESTS	TESTS	TESTS	TESTS	TESTS	TESTS	TESTS
SB-46	5/20/04	0845	G	SB-46-0-2"	SO	1	None														
SB-46	5/20/04	0845	G	SB-46-0-2"MS	SO	1															
SB-46	5/20/04	0845	G	SB-46-0-2"MD	SO	1															
SB-46	5/20/04	0906	G	SB-46-0-9'	SO	1															
SB-46	5/20/04	0907	G	SB-46-9'	SO	1															
SB-40	5/20/04	0930	G	SB-40-0-2"	SO	1															
SB-40	5/20/04	0959	G	SB-40-0-9'	SO	1															
SB-40	5/20/04	1000	G	SB-40-9'	SO	1															
SB-35	5/20/04	1021	G	SB-35-0-2"	SO	1															
SB-35	5/20/04	1032	G	SB-35-0-7.5'	SO	1															
SB-35	5/20/04	1034	G	SB-35-7.5'	SO	1															
SB-36	5/20/04	1056	G	SB-36-0-2"	SO	1															
SB-36	5/20/04	1056	G	SB-36-0-2"MS	SO	1															
MATRIX CODES		AA - AMBIENT AIR		SL - SLUDGE		WG - GROUND WATER		WL - LEACHATE		WO - OCEAN WATER		LH - HAZARDOUS LIQUID WASTE		LF - FLOATING/FREE PRODUCT ON GW TABLE							
SAMPLE TYPE CODES		SE - SEDIMENT		WP - DRINKING WATER		SO - SOIL		GS - SOIL GAS		WS - SURFACE WATER											
		SH - HAZARDOUS SOLID WASTE		WM - WASTE WATER		DC - DRILL CUTTINGS		WC - DRILLING WATER		WO - WATER FIELD QC											
		TB# - TRIP BLANK		RB# - RINSE BLANK		N# - NORMAL ENVIRONMENTAL SAMPLE		MS# - MATRIX SPIKE													
		SO# - MATRIX SPIKE DUPLICATE		FR# - FIELD REPLICATE																	
RELINQUISHED BY (SIGNATURE)		DATE		TIME		RECEIVED BY (SIGNATURE)		DATE		TIME		SPECIAL INSTRUCTIONS									
RELINQUISHED BY (SIGNATURE)		DATE		TIME		RECEIVED FOR LAB BY (SIGNATURE)		DATE		TIME											

Any questions, call Boehrendel
856-5636. 2.02

Distribution: Original accompanies shipment, copy to coordinator field files

URS#-075C/1 OF 1/CdCR/GCM

CHAIN OF CUSTODY RECORD

TESTS

URS

PROJECT NO.

41567053-40000

SITE NAME

NACET

SAMPLERS (PRINT/SIGNATURE)

Bob Murphy

John Dore

DELIVERY SERVICE:

Prop-off

AIRBILL NO.:

LOCATION IDENTIFIER

SB-36

COMP/GRAB

G

DATE

5/20/04

TIME

1056

SAMPLE ID

SB-36-0-2"MD

MATRIX

SO

TOTAL NO. OF CONTAINERS

1

BOTTLE TYPE AND PRESERVATIVE

None

TESTS

None

REMARKS

None

FIELD LOT NO. #

0.2

DEPTH (IN FEET)

0.85

BEGINNING

N1

ENDING

N1

DEPTH (IN FEET)

0.2

SAMPLE TYPE

N1

REMARKS

None

FIELD LOT NO. #

0.2

DEPTH (IN FEET)

0.85

BEGINNING

N1

ENDING

N1

DEPTH (IN FEET)

0.2

SAMPLE TYPE

N1

REMARKS

None

FIELD LOT NO. #

0.2

DEPTH (IN FEET)

0.85

BEGINNING

N1

ENDING

N1

DEPTH (IN FEET)

0.2

SAMPLE TYPE

N1

REMARKS

None

FIELD LOT NO. #

0.2

DEPTH (IN FEET)

0.85

BEGINNING

N1

ENDING

N1

DEPTH (IN FEET)

0.2

SAMPLE TYPE

N1

REMARKS

None

FIELD LOT NO. #

0.2

DEPTH (IN FEET)

0.85

BEGINNING

N1

ENDING

N1

DEPTH (IN FEET)

0.2

SAMPLE TYPE

N1

REMARKS

None

FIELD LOT NO. #

0.2

DEPTH (IN FEET)

0.85

BEGINNING

N1

ENDING

N1

DEPTH (IN FEET)

0.2

SAMPLE TYPE

N1

REMARKS

None

FIELD LOT NO. #

0.2

DEPTH (IN FEET)

0.85

BEGINNING

N1

ENDING

N1

DEPTH (IN FEET)

0.2

SAMPLE TYPE

N1

REMARKS

None

FIELD LOT NO. #

0.2

DEPTH (IN FEET)

0.85

BEGINNING

N1

ENDING

N1

DEPTH (IN FEET)

0.2

SAMPLE TYPE

N1

REMARKS

None

FIELD LOT NO. #

0.2

DEPTH (IN FEET)

0.85

BEGINNING

N1

ENDING

N1

DEPTH (IN FEET)

0.2

SAMPLE TYPE

N1

REMARKS

None

FIELD LOT NO. #

0.2

DEPTH (IN FEET)

0.85

BEGINNING

N1

ENDING

N1

DEPTH (IN FEET)

0.2

SAMPLE TYPE

N1

REMARKS

None

FIELD LOT NO. #

0.2

DEPTH (IN FEET)

0.85

BEGINNING

N1

ENDING

N1

DEPTH (IN FEET)

0.2

SAMPLE TYPE

N1

REMARKS

None

FIELD LOT NO. #

0.2

DEPTH (IN FEET)

0.85

BEGINNING

N1

ENDING

N1

DEPTH (IN FEET)

0.2

SAMPLE TYPE

N1

REMARKS

None

FIELD LOT NO. #

0.2

DEPTH (IN FEET)

0.85

BEGINNING

N1

ENDING

N1

DEPTH (IN FEET)

0.2

SAMPLE TYPE

N1

REMARKS

None

FIELD LOT NO. #

0.2

DEPTH (IN FEET)

0.85

BEGINNING

N1

ENDING

N1

DEPTH (IN FEET)

0.2

SAMPLE TYPE

N1

REMARKS

None

FIELD LOT NO. #

0.2

DEPTH (IN FEET)

0.85

BEGINNING

N1

ENDING

N1

DEPTH (IN FEET)

0.2

SAMPLE TYPE

N1

REMARKS

None

FIELD LOT NO. #

0.2

DEPTH (IN FEET)

0.85

BEGINNING

N1

ENDING

N1

DEPTH (IN FEET)

0.2

SAMPLE TYPE

N1

REMARKS

None

FIELD LOT NO. #

0.2

DEPTH (IN FEET)

0.85

BEGINNING

N1

ENDING

N1

DEPTH (IN FEET)

0.2

SAMPLE TYPE

N1

REMARKS

None

FIELD LOT NO. #

0.2

DEPTH (IN FEET)

0.85

BEGINNING

N1

ENDING

N1

DEPTH (IN FEET)

0.2

SAMPLE TYPE

N1

REMARKS

None

FIELD LOT NO. #

0.2

DEPTH (IN FEET)

0.85

BEGINNING

N1

ENDING

N1

DEPTH (IN FEET)

0.2

SAMPLE TYPE

N1

REMARKS

None

FIELD LOT NO. #

0.2

DEPTH (IN FEET)

0.85

BEGINNING

N1

ENDING

N1

DEPTH (IN FEET)

0.2

SAMPLE TYPE

N1

REMARKS

None

FIELD LOT NO. #

0.2

DEPTH (IN FEET)

0.85

BEGINNING

N1

ENDING

N1

DEPTH (IN FEET)

0.2

SAMPLE TYPE

N1

REMARKS

None

FIELD LOT NO. #

0.2

DEPTH (IN FEET)

0.85

BEGINNING

N1

ENDING

N1

DEPTH (IN FEET)

0.2

SAMPLE TYPE

N1

REMARKS

None

FIELD LOT NO. #

0.2

DEPTH (IN FEET)

0.85

BEGINNING

N1

ENDING

N1

DEPTH (IN FEET)

0.2

SAMPLE TYPE

N1

REMARKS

None

FIELD LOT NO. #

0.2

DEPTH (IN FEET)

0.85

BEGINNING

N1

ENDING

N1

DEPTH (IN FEET)

0.2

SAMPLE TYPE

N1

REMARKS

None

FIELD LOT NO. #

0.2

DEPTH (IN FEET)

0.85

BEGINNING

N1

ENDING

N1

DEPTH (IN FEET)

0.2

SAMPLE TYPE

N1

REMARKS

None

FIELD LOT NO. #

0.2

DEPTH (IN FEET)

0.85

BEGINNING

N1

ENDING

N1

DEPTH (IN FEET)

0.2

SAMPLE TYPE

N1

[illegible]

CHAIN OF CUSTODY RECORD

PROJECT NO. 41567053.00000
 SAMPERS (PRINT/SIGNATURE) *ROB MURPHY*

SITE NAME

NIACET

DELIVERY SERVICE: *ROP-OFF* AIRBILL NO.: *---*

TESTS

ILMO4.1

BOTTLE TYPE AND PRESERVATIVE

URS

LAB *STL-BUFFALO*COOLER *1* of *1*PAGE *1* of *1*

LOCATION IDENTIFIER	DATE	TIME	COMP/GRAB	SAMPLE ID	MATRIX	TOTAL NO. OF CONTAINERS	REMARKS	SAMPLE TYPE	BEGINNING DEPTH (IN FEET)	ENDING DEPTH (IN FEET)	FIELD LOT NO. (IF APPLICABLE)
SB-64	5/21/04	0900	G	SB-64-0-2"	SO	1		N ₁	0	0.2	
SB-64	5/21/04	0900	G	SB-64-0-2"MS	SO	1		MS ₁	0	0.2	
SB-64	5/21/04	0900	G	SB-64-0-2"MD	SO	1		PR ₁	0	0.2	
SB-64	5/21/04	0909	G	SB-64-35	SO	1		N ₁	35	3.5	
SB-64	5/21/04	0910	G	SB-64-0-35'	SO	1		N ₁	0	3.5	
SB-75	5/21/04	0927	G	SB-75-0-2"	SO	1		N ₁	0	0.2	
SB-75	5/21/04	1049	G	SB-75-0-2'	SO	1		N ₁	0	2	
SB-75	5/21/04	1050	G	SB-75-2'	SO	1		N ₁	2	2	
SB-75	5/21/04	1051	G	SB-75-1'	SO	1		N ₁	1	1	
SB-76	5/21/04	1107	G	SB-76-0-2"	SO	1		N ₁	0	0.2	
SB-76	5/21/04	1126	G	SB-76-0-4.5'	SO	1		N ₁	0	4.5	
SB-76	5/21/04	1128	G	SB-76-4.5'	SO	1		N ₁	4.5	4.5	
SB-60	5/21/04	1156	G	SB-60-0-2'	SO	1		N ₁	0	0.2	

WL - LEACHATE
 GS - SOIL GAS
 WC - DRILLING WATER
 WQ - OCEAN WATER
 WS - SURFACE WATER
 WQ - WATER FIELD QC
 LH - HAZARDOUS LIQUID WASTE
 LF - FLOATING/FREE PRODUCT ON GW TABLE

SI - SLUDGE
 WP - DRINKING WATER
 WW - WASTE WATER
 SH - HAZARDOUS SOLID WASTE
 TB - TRIP BLANK
 SD - MATRIX SPIKE DUPLICATE
 N# - NORMAL ENVIRONMENTAL SAMPLE
 MS# - MATRIX SPIKE

DATE TIME RECEIVED BY (SIGNATURE)
 DATE TIME RECEIVED FOR LAB BY (SIGNATURE)

DATE TIME RECEIVED BY (SIGNATURE)
 DATE TIME RECEIVED FOR LAB BY (SIGNATURE)

DATE TIME RECEIVED BY (SIGNATURE)
 DATE TIME RECEIVED FOR LAB BY (SIGNATURE)

DATE TIME RECEIVED BY (SIGNATURE)
 DATE TIME RECEIVED FOR LAB BY (SIGNATURE)

DATE TIME RECEIVED BY (SIGNATURE)
 DATE TIME RECEIVED FOR LAB BY (SIGNATURE)

DATE TIME RECEIVED BY (SIGNATURE)
 DATE TIME RECEIVED FOR LAB BY (SIGNATURE)

DATE TIME RECEIVED BY (SIGNATURE)
 DATE TIME RECEIVED FOR LAB BY (SIGNATURE)

Distribution: Original accompanies shipment, copy to coordinator field files

CHAIN OF CUSTODY RECORD										TESTS				URS			
PROJECT NO. 4456705 3.40000		SITE NAME WACET		LABORATORY (PRINT/SIGNATURE) Rob Murphy / R. Murphy		DELIVERY SERVICE: Prep-off		AIRBILL NO.: —		BOTTLE TYPE AND PRESERVATIVE		LAB STL-BUFAKO		COOLER 1 of 1		PAGE 2 of 2	
LOCATION IDENTIFIER	DATE	TIME	COMP/GRAB	SAMPLE ID	MATRIX	TOTAL NO. OF CONTAINERS	202 Glass	802 Plastic	Mercury (Total)	Mercury (Total)	REMARKS	SAMPLE TYPE	BEGINNING DEPTH (IN FEET)	ENDING DEPTH (IN FEET)	FIELD LOT NO. (SRMS)		
SB-18	5/24/04	1142	G	SB-18-0-11.5'	SO	1	1					N ₁	0	11.5			
SB-18	5/24/04	1144	G	SB-18-0-11.5'	SO	1	1					N ₁	11.5	11.5			
SB-23	5/24/04	1348	G	SB-23-9'	SO	1	1					N ₁	9	9			
SB-23	5/24/04	1349	G	SB-23-0-9'	SO	1	1					N ₁	0	9			
SB-12	5/24/04	1423	G	SB-12-10'	SO	1	1					N ₁	10	10			
SB-12	5/24/04	1424	G	SB-12-0-10'	SO	1	1					N ₁	0	10			
SB-06	5/24/04	1458	G	SB-06-0-2"	SO	1	1					N ₁	0	0.2			
SB-06	5/24/04	1508	G	SB-06-0-5'	SO	1	1					N ₁	0	5			
SB-06	5/24/04	1509	G	SB-06-5'	SO	1	1					N ₁	5	5			
SB-07	5/24/04	1528	G	SB-07-0-2"	SO	1	1					N ₁	0	0.2			
SB-07	5/24/04	1537	G	SB-07-0-5'	SO	1	1					N ₁	0	5			
SB-07	5/24/04	1539	G	SB-07-5'	SO	1	1					N ₁	5	5			
R-8	5/24/04	1542	G	R-8	WA	1	1					Rinse Blank	—	—			

MATRIX CODES	AA - AMBIENT AIR	SE - SEDIMENT	SH - HAZARDOUS SOLID WASTE	SL - SLUDGE	WF - DRINKING WATER	WM - WASTE WATER	WG - GROUND WATER	WS - SOIL	WC - DRILL CUTTINGS	WL - LEACHATE	WG - DRILLING WATER	WS - SURFACE WATER	WO - OCEAN WATER	LH - HAZARDOUS LIQUID WASTE	LF - FLOATING/FREE PRODUCT ON GW TABLE
SAMPLE TYPE CODES	TB - TRIP BLANK	SB - MATRIX SPIKE DUPLICATE	SB - MATRIX SPIKE	RB - RINSE BLANK	FR - FIELD REPLICATE	NR - NORMAL ENVIRONMENTAL SAMPLE	MS - MATRIX SPIKE								

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME	SPECIAL INSTRUCTIONS
R. Murphy	5/24/04	1542	Cloud	5/24/04	1705	3.40c
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME	

Distribution: Original accompanies shipment, copy to coordinator field files

ST
ST
ST
ST

URS

PROJECT NO. 41567053.40000		SAMPLERS (PRINT/SIGNATURE) Rob Muehly/R. Muehly		SITE NAME NIACET		LAB STL-BUFFALO	
DELIVERY SERVICE: Prep-off		AIRBILL NO.:		BOTTLE TYPE AND PRESERVATIVE		COOLER 1 of 2	
LOCATION IDENTIFIER		DATE		TIME		PAGE 1 of 2	
LOCATION IDENTIFIER	DATE	TIME	COMP/GRAB	SAMPLE ID	MATRIX	TOTAL NO. OF CONTAINERS	REMARKS
SB-13	5/25/04	0820	GRAB	SB-13-0-2"	SO	1	N, 0 0.2
SB-13	5/25/04	0820	GRAB	SB-13-0-2" MS	SO	1	MS, 0 0.2
SB-13	5/25/04	0820	GRAB	SB-13-0-2" MD	SO	1	FR, 0 0.2
SB-13	5/25/04	0827	GRAB	SB-13-0-2'	SO	1	N, 0' 2'
SB-13	5/25/04	0828	GRAB	SB-13-2'	SO	1	N, 2' 2'
SB-24	5/25/04	0855	GRAB	SB-24-0-2'	SO	1	N, 0' 2'
SB-24	5/25/04	0856	GRAB	SB-24-2'	SO	1	N, 2' 2'
SB-38	5/25/04	0934	GRAB	SB-38-4.5	SO	1	N, 4.5' 4.5'
SB-38	5/25/04	0935	GRAB	SB-38-0-4.5	SO	1	N, 0' 4.5'
SB-44	5/25/04	0959	GRAB	SB-44-0-2"	SO	1	N, 0' 2"
SB-44	5/25/04	1012	GRAB	SB-44-4.5	SO	1	N, 4.5' 4.5'
SB-44	5/25/04	1013	GRAB	SB-44-0-4.5	SO	1	N, 0' 4.5'
SB-48	5/25/04	1038	GRAB	SB-48-0-2"	SO	1	N, 0' 2"

SPECIAL INSTRUCTIONS:		DATE		TIME	
Bob Henschel URS		5/25/04		1701	
716 856 5636		DATE		TIME	
2005		DATE		TIME	

RECEIVED BY (SIGNATURE)		DATE		TIME	
R. Muehly		5/25/04		1701	
RECEIVED FOR LAB BY (SIGNATURE)		DATE		TIME	
RECEIVED BY (SIGNATURE)		DATE		TIME	

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RECEIVED BY (SIGNATURE)		DATE		TIME	

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[illegible]

515

URS

185E-075C/1 OF 1/CALCIB/GCM

UASF-075C/1 OF 1/ColCR/GCM

STSEI

URS

PROJECT NO. 41567053.0000		SAMPLERS (PRINT/SIGNATURE) ROB MURPHY / R. Murphy		SITENAME NINET		AIRBILL NO.: _____	
DELIVERY SERVICE: DRAP-OFF		DATE		TIME		COMPI GRAB	
LOCATION IDENTIFIER	DATE	TIME	SAMPLE ID	MATRIX	TOTAL NO. # OF CONTAINERS	BOTTLE TYPE AND PRESERVATIVE	
SB-91	5/27/04	0923	SB-91-0-2	SO	1		
SB-91	5/27/04	0924	SB-91-2-4	SO	1		
SB-92	5/27/04	0933	SB-92-0-2	SO	1		
SB-92	5/27/04	0937	SB-92-2-4	SO	1		
SB-90	5/27/04	0944	SB-90-0-2	SO	1		
SB-90	5/27/04	0946	SB-90-2-4	SO	1		
SB-93	5/27/04	1040	SB-93-0-2	SO	1		
SB-93	5/27/04	1041	SB-93-2-4	SO	1		
SB-94	5/27/04	1057	SB-94-2-4	SO	1		
SB-94	5/27/04	1058	SB-94-0-2	SO	1		
SB-95	5/27/04	1107	SB-95-0-1	SO	1		
SB-95	5/27/04	1108	SB-95-1-2	SO	1		
SB-95	5/27/04	1109	SB-95-2-3	SO	1		

REINQUISHED BY (SIGNATURE)		RECEIVED BY (SIGNATURE)	
DATE	TIME	DATE	TIME
5/27/04	1725	5/27/04	1725

REINQUISHED BY (SIGNATURE)		RECEIVED FOR LAB BY (SIGNATURE)	
DATE	TIME	DATE	TIME

MATERIAL CODES		MATERIAL CODES	
DATE	TIME	DATE	TIME

MATERIAL CODES		MATERIAL CODES	
DATE	TIME	DATE	TIME

MATERIAL CODES		MATERIAL CODES	
DATE	TIME	DATE	TIME

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MATERIAL CODES		MATERIAL CODES	
DATE	TIME	DATE	TIME

CHAIN OF CUSTODY RECORD										TESTS										URS															
PROJECT NO. 41567053.4000			SITE NAME NACET			LAB SL-BUFFALO			COOLER 1 of 1			PAGE 2 of 3			BOTTLE TYPE AND PRESERVATIVE			REMARKS			SAMPLE TYPE			BEGINNING DEPTH (IN FEET)			ENDING DEPTH (IN FEET)			FIELD LOT NO. # (EPIPS)					
SAMPLERS (PRINT/SIGNATURE) ROB MURPHY JR. Murphy			DELIVERY SERVICE: <u>DRLOFT</u>			AIRBILL NO.: <u> </u>			TOTAL NO. # OF CONTAINERS			Zoz gbas (none)			MATERIAL (none)			MATERIAL (none)			MATERIAL (none)			MATERIAL (none)			MATERIAL (none)			MATERIAL (none)					
LOCATION IDENTIFIER	DATE	TIME	COMPI GRAB	SAMPLE ID	MATRIX	SL - SLUDGE	WP - DRINKING WATER	WM - WASTE WATER	SH - HAZARDOUS SOLID WASTE	AA - AMBIENT AIR	SE - SEDIMENT	WB - WASTE WATER	WC - DRILL CUTTINGS	WL - LEACHATE	WS - SURFACE WATER	WG - WATER FIELD QC	WH - HAZARDOUS LIQUID WASTE	WI - FLOATING/FREE PRODUCT ON GW TABLE	WJ - WATER FIELD QC	WK - WATER FIELD QC	WL - LEACHATE	WS - SURFACE WATER	WG - WATER FIELD QC	WH - HAZARDOUS LIQUID WASTE	WI - FLOATING/FREE PRODUCT ON GW TABLE	WJ - WATER FIELD QC	WK - WATER FIELD QC	WL - LEACHATE	WS - SURFACE WATER	WG - WATER FIELD QC	WH - HAZARDOUS LIQUID WASTE	WI - FLOATING/FREE PRODUCT ON GW TABLE	WJ - WATER FIELD QC	WK - WATER FIELD QC	
SB-96	5/27/04	1251	G	SB-96-0-2'	SO																														
SB-96	5/27/04	1252	G	SB-96-2-4'	SO																														
SB-97	5/27/04	1307	G	SB-97-1-3'	SO																														
SB-97	5/27/04	1308	G	SB-97-0-1'	SO																														
SB-98	5/27/04	1331	G	SB-98-0-1'	SO																														
SB-99	5/27/04	1339	G	SB-99-2.0'	SO																														
SB-99	5/27/04	1340	G	SB-99-1.5'	SO																														
SB-100	5/27/04	1351	G	SB-100-1'	SO																														
SB-100	5/27/04	1353	G	SB-100-2'	SO																														
SB-101	5/27/04	1406	G	SB-101-0-1'	SO																														
SB-101	5/27/04	1408	G	SB-101-1-2'	SO																														
SB-101	5/27/04	1409	G	SB-101-2-3'	SO																														
SB-102	5/27/04	1422	G	SB-102-0-2'	SO																														

RELINQUISHED BY (SIGNATURE)		DATE		TIME		RECEIVED BY (SIGNATURE)		DATE		TIME	
R. Murphy		5/27/04		1405		R. Murphy		5/27/04		1735	
RELINQUISHED BY (SIGNATURE)		DATE		TIME		RECEIVED FOR LAB BY (SIGNATURE)		DATE		TIME	

2.05

SPECIAL INSTRUCTIONS
ANY Questions Call Bob Herschel @ 8885696

Distribution: Original accompanies shipment, copy to coordinator field files

CURSF-075C/1 OF 1/COKCR/GCM

Tests

URS

URSF-075C/1 OF 1/CatCR/GCM

URS

STL BUFFALO

U R S Corporation

-6-

DUPLICATES

SAMPLE NO.

MW-02-0-2*/SD

Contract: NY03-337

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: A04-4661

Matrix (soil/water): SOIL

Level (low/med): LOW

% Solids for Sample: 68.9

% Solids for Duplicate: 68.9

Concentration Units (ug/L or mg/kg dry weight):

MG/KG

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Mercury		7.8562		2.0537		117.1	*	CV

STL BUFFALO**U R S Corporation****-6-
DUPLICATES**

SAMPLE NO.

SB-72-0-2*/MD

Contract: NY03-337Lab Code: STLBFL0

Case No.: _____

SAS No.: _____

SDG NO.: A04-4661Matrix (soil/water): SOILLevel (low/med): LOW% Solids for Sample: 94.8% Solids for Duplicate: 94.8

Concentration Units (ug/L or mg/kg dry weight):

MG/KG

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Mercury		270.4391		427.9062		45.1	*	CV

STL BUFFALO

U R S Corporation

-6-
DUPLICATES

SAMPLE NO.

MW-02-0-2*/MD

Contract: NY03-337

Lab Code: STLBFL0

Case No.: _____

SAS No.: _____

SDG NO.: A04-4661

Matrix (soil/water): SOIL

Level (low/med): LOW

% Solids for Sample: 68.9

% Solids for Duplicate: 68.9

Concentration Units (ug/L or mg/kg dry weight):

MG/KG

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Mercury		1.7141		2.8618		50.2	*	CV

STL BUFFALO**U R S Corporation**

-3-

BLANKSContract: NY03-337Lab Code: STLEFLO

Case No.: _____

SAS No.: _____

SDG NO.: A04-4717Preparation Blank Matrix (soil/water): SOILPreparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	Continuing Calibration Blank (ug/L)						Preparation Blank	C	M
		1	C	2	C	3	C			
Mercury	0.1 U	0.1 U		0.1 U		-0.1 B		0.035		CV



Based on
0.6g
50 ml.

Comments:

STL BUFFALO**U R S Corporation**

-13-

PREPARATION LOGContract: NY03-337Lab Code: STLBFL0

Case No.: _____

SAS No.: _____

SDG NO.: A04-4717Method: CV

Prep Method: _____

Sample ID	Preparation Date	Initial Weight (g)	Final Volume (mL)
SB-63-0-2"	5/21/2004	0.19	50.0
SB-63-0-2"MD	5/21/2004	0.21	50.0
SB-63-0-2"MS	5/21/2004	0.20	50.0
SB-63-0-2"SD	5/21/2004	0.22	50.0
SB-63-0-4.5'	5/21/2004	0.21	50.0
SB-63-4.5'	5/21/2004	0.20	50.0
SB-59-0-2"	5/21/2004	0.19	50.0
SB-59-0-5"	5/21/2004	0.19	50.0
SB-59-5'	5/21/2004	0.24	50.0
SB-58-0-2"	5/21/2004	0.21	50.0
SB-58-0-6'	5/21/2004	0.19	50.0
SB-58-6'	5/21/2004	0.19	50.0
SB-54-0-6'	5/21/2004	0.22	50.0
SB-54-6'	5/21/2004	0.18	50.0
SB-79-0-2"	5/21/2004	0.19	50.0
SB-79-7.5	5/21/2004	0.19	50.0
SB-79-0-7'	5/21/2004	0.21	50.0
SB-80-0-2"	5/21/2004	0.23	50.0
SB-80-9'	5/21/2004	0.23	50.0
SB-80-0-9'	5/21/2004	0.19	50.0
SB-50-0-2"	5/21/2004	0.19	50.0
SB-50-0-9'	5/21/2004	0.20	50.0
SB-50-9'	5/21/2004	0.19	50.0
SB-51-0-2"	5/21/2004	0.20	50.0
SB-51-9'	5/21/2004	0.23	50.0
SB-51-0-9'	5/21/2004	0.21	50.0
SB-54-0-2"	5/21/2004	0.23	50.0
SB-54-0-2"MD	5/21/2004	0.20	50.0
SB-54-0-2"MS	5/21/2004	0.20	50.0
SB-54-0-2"SD	5/21/2004	0.20	50.0
LCS	5/21/2004	0.05	50.0
LCS	5/21/2004	0.05	50.0
Method Blank	5/21/2004	0.60	50.0
Method Blank	5/21/2004	0.60	50.0

Comments:

STL BUFFALO**U R S Corporation****-13-****PREPARATION LOG**Contract: NY03-337Lab Code: STLBFO

Case No.: _____

SAS No.: _____

SDG NO.: A04-4717Method: CV

Prep Method: _____

Sample ID	Preparation Date	Initial Volume	Final Volume (mL)
R-3	5/25/2004	30.0	50.0
R-4	5/25/2004	30.0	50.0
LCS	5/25/2004	30.0	50.0
Method Blank	5/25/2004	30.0	50.0

Comments:

STL BUFFALO**U R S Corporation****-6-****DUPLICATES**

SAMPLE NO.

SB-36-0-2*MD

Contract: NY03-337Lab Code: STLBFLO

Case No.: _____

SAS No.: _____

SDG NO.: A04-4769Matrix (soil/water): SOILLevel (low/med): LOW% Solids for Sample: 94.5% Solids for Duplicate: 94.5

Concentration Units (ug/L or mg/kg dry weight):

MG/KG

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Mercury		20.8372		81.0192		118.2	*	CV

SAMPLE SUMMARY

LAB SAMPLE ID	CLIENT SAMPLE ID	SAMPLED		RECEIVED	
		DATE	TIME	DATE	TIME
A4501101	SB-81 0-2	05/26/2004	09:27	05/26/2004	17:00
A4501101MD	SB-81 0-2MD	05/26/2004	09:27	05/26/2004	17:00
A4501101MS	SB-81 0-2MS	05/26/2004	09:27	05/26/2004	17:00
A4501103	SB-81 0-4	05/26/2004	09:34	05/26/2004	17:00
A4501102	SB-81 4	05/26/2004	09:33	05/26/2004	17:00
A4501104	SB-82 0-2	05/26/2004	09:59	05/26/2004	17:00
A4501105	SB-82 0-4	05/26/2004	10:08	05/26/2004	17:00
A4501106	SB-82 4	05/26/2004	10:09	05/26/2004	17:00
A4501108	SB-83-0-2	05/26/2004	11:13	05/26/2004	17:00
A4501109	SB-84-4-6	05/26/2004	11:40	05/26/2004	17:00
A4501110	SB-85-0.5	05/26/2004	11:52	05/26/2004	17:00
A4501111	SB-85B-1	05/26/2004	12:06	05/26/2004	17:00
A4501112	SB-86-2-4	05/26/2004	13:53	05/26/2004	17:00
A4501113	SB-87-0-2	05/26/2004	14:10	05/26/2004	17:00
A4501107	SE-01	05/26/2004	11:00	05/26/2004	17:00

Date: 06/04/2004
Time: 14:40:30

Dry Weight Log Book
U R S Corporation

Page: 1
Rept: AN0510

97/97

Job Number	Sample I.D.	Vial Number	Analysis Date	Analyst	Product Test Abreviation	Dish Weight (g)	Wet + Dish	Dry + Dish	Wet Weight	Dry Weight	% Dry	Decanted
A04-5011	A4501101		06/02/2004	JMB	T HG	1.21	5.36	3.70	4.15	2.49	60.00	N
A04-5011	A4501101MD		06/02/2004	JMB	T HG	1.21	5.36	3.70	4.15	2.49	60.00	N
A04-5011	A4501101MS		06/02/2004	JMB	T HG	1.21	5.36	3.70	4.15	2.49	60.00	N
A04-5011	A4501101SD		06/02/2004	JMB	T HG	1.21	5.36	3.70	4.15	2.49	60.00	N
A04-5011	A4501102		06/02/2004	JMB	T HG	1.22	15.32	12.60	14.10	11.38	80.70	N
A04-5011	A4501103		06/02/2004	JMB	T HG	1.23	8.15	6.59	6.92	5.36	77.50	N
A04-5011	A4501104		06/02/2004	JMB	T HG	1.22	6.88	3.73	5.66	2.51	44.30	N
A04-5011	A4501105		06/02/2004	JMB	T HG	1.22	16.62	13.50	15.40	12.28	79.70	N
A04-5011	A4501106		06/02/2004	JMB	T HG	1.21	10.19	8.62	8.98	7.41	82.50	N
A04-5011	A4501107		06/02/2004	JMB	T HG	1.22	11.66	10.35	10.44	9.13	87.40	N
A04-5011	A4501108		06/02/2004	JMB	T HG	1.22	7.81	7.12	6.59	5.90	89.50	N
A04-5011	A4501109		06/02/2004	JMB	T HG	1.21	9.44	7.90	8.23	6.69	81.30	N
A04-5011	A4501110		06/02/2004	JMB	T HG	1.22	8.57	7.11	7.35	5.89	80.10	N
A04-5011	A4501111		06/02/2004	JMB	T HG	1.22	9.66	8.40	8.44	7.18	85.10	N
A04-5011	A4501112		06/02/2004	JMB	T HG	1.24	9.21	7.65	7.97	6.41	80.40	N
A04-5011	A4501113		06/02/2004	JMB	T HG	1.22	10.06	9.34	8.84	8.12	91.90	N

STL BUFFALO

U R S Corporation
-5A-
SPIKE SAMPLE RECOVERY

SAMPLE NO.

SB-01-0'-2"/MS

Contract: NY03-337Lab Code: STLBFLO

Case No.: _____

SAS No.: _____

SDG NO.: 0504HGMatrix (soil/water): SOILLevel (low/med): LOW% Solids for Sample: 71.2Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Mercury	75 - 125	0.7410		0.1130		0.33	190.3	N	CV

Comments: _____

STL BUFFALO

U R S Corporation
-5A-
SPIKE SAMPLE RECOVERY

SAMPLE NO.

SB-01-0'-2"/SD

Contract: NY03-337Lab Code: STLBFLO

Case No.: _____

SAS No.: _____

SDG NO.: 0504HGMatrix (soil/water): SOILLevel (low/med): LOW% Solids for Sample: 71.2Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Mercury	75 - 125	0.5224		0.1130		0.35	117.0		CV

Comments: _____

STL BUFFALO**U R S Corporation****-6-****DUPLICATES**

SAMPLE NO.

SB-01-0'-2"/MD

Contract: NY03-337Lab Code: STLBFLO

Case No.: _____

SAS No.: _____

SDG NO.: 0504HGMatrix (soil/water): SOILLevel (low/med): LOW% Solids for Sample: 71.2% Solids for Duplicate: 71.2

Concentration Units (ug/L or mg/kg dry weight):

MG/KG

Analyte	Control Limit	Sample (S) C	Duplicate (D) C	RPD	Q	M
Mercury		0.1130	0.5269	129.4	*	CV

STL BUFFALO

URS Corporation

-6-
DUPLICATES

SAMPLE NO.

SB-16-0-2"SD

Contract: _____

Lab Code: STLBFO

Case No.: _____

SAS No.: _____

SDG NO.: 0504HGMatrix (soil/water): SOILLevel (low/med): LOW% Solids for Sample: 97.0% Solids for Duplicate: 97.0

Concentration Units (ug/L or mg/kg dry weight):

MG/KG

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Mercury		8.0772		2.0630		118.6		CV

STL BUFFALO**U R S Corporation****-5A-****SPIKE SAMPLE RECOVERY**

SAMPLE NO.

SB-10-0-2*SD

Contract: _____

Lab Code: STLBFLO

Case No.: _____

SAS No.: _____

SDG NO.: 0504HGMatrix (soil/water): SOILLevel (low/med): LOW% Solids for Sample: 97.6Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Mercury		1.2850		1.1078		0.28	63.3	N	CV

Comments: _____

STL BUFFALO

U R S Corporation
-6-
DUPLICATES

SAMPLE NO.

MW-02MD

Contract: NY03-337

Lab Code: STLBFL0

Case No.: _____

SAS No.: _____

SDG NO.: A04-5161

Matrix (soil/water): WATER

Level (low/med): LOW

% Solids for Sample: 0.0

% Solids for Duplicate: 0.0

Concentration Units (ug/L or mg/kg dry weight):

UG/L

Analyte	Control Limit	Sample (S)	c	Duplicate (D)	c	RPD	Q	M
Mercury		16.2500		115.0000		150.5	*	CV

STL BUFFALO

U R S Corporation
-6-
DUPLICATES

SAMPLE NO.

MW-02SD

Contract: NY03-337

Lab Code: STLBFO

Case No.: _____

SAS No.: _____

SDG NO.: A04-5161

Matrix (soil/water): WATER

Level (low/med): LOW

% Solids for Sample: 0.0

% Solids for Duplicate: 0.0

Concentration Units (ug/L or mg/kg dry weight):

UG/L

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Mercury		246.6667		5.7667		200.0		CV

U R S Corporation
-5A-
SPIKE SAMPLE RECOVERY

SAMPLE NO.

SB-78-0-4'MS

Contract: NY03-337

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.: A04-4942

Matrix (soil/water): SOIL

Level (low/med): LOW

% Solids for Sample: 89.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Mercury	75 - 125	0.5299		0.0459	B	0.27	179.3	N	CV

Comments:

STL BUFFALO

U R S Corporation
-5A-
SPIKE SAMPLE RECOVERY

SAMPLE NO.

SB-78-0-4'SD

Contract: NY03-337

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG NO.: A04-4942

Matrix (soil/water): SOIL

Level (low/med): LOW

% Solids for Sample: 89.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Mercury	75 - 125	0.6223		0.0459	B	0.27	213.5	N	CV

Comments:

APPENDIX F

**HAZARDOUS AND NON-HAZARDOUS
WASTE MANIFESTS**

NIACET CORPORATION
WASTE MANIFESTS



Mr. Robert R. Henschel, P.G.
Project Manager
URS Corporation
77 Goodell St.
Buffalo, NY 14203

February 9, 2006

Dear Mr. Henschel,

Enclose please find copies of two New York State, and one Pennsylvania hazardous waste manifests for disposal of mercury contaminated soil and debris from Niacet Corporation.

1. NYB8981487	9/16/98	44,000 lbs	(NEW TANK FARM)
2. NYB9433476	1/08/01	2,100 lbs	(BUILDING #17 SOILS)
3. PAG 366246	12/22/03	4,000 lbs	(ALUMINUM INGOTS)

Please contact me if you have any questions, or require additional information.

Sincerely,

NIACET CORPORATION

Salvatore J. D'Angelo
Manager, Quality Assurance &
Regulatory Affairs

PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Bureau of Land Recycling and Waste Management
P.O. Box 8550

Harrisburg, PA 17105-8550

OFFICIAL PENNSYLVANIA MANIFEST FORM

2500-FM-LRWMD051 REV. 7/99

Form approved.
OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. NYD088419890		Manifest Document No. P27531		2. Page 1 of 1		Information within the bold red border is not required by Federal law but may be required by State law.					
3. Generator's Name and Mailing Address Niased Corporation 400 47th Street Niagara Falls NY 14304						A. State Manifest Document Number PAG 366246							
4. Generator's Phone (716) 235-1474						B. State Gen. ID SAME							
5. Transporter 1 Company Name Freehold Cartage, Inc.						C. State Trans. ID PA-AH 0067							
6. US EPA ID Number NJD054126164						D. Transporter's Phone (732) 482-1001							
7. Transporter 2 Company Name						E. State Trans. ID PA-AH							
8. US EPA ID Number						F. Transporter's Phone ()							
9. Designated Facility Name and Site Address Bathlehem Apparatus Co., Inc. 890 Front Street Hallertown PA 18055						G. State Facility's ID							
10. US EPA ID Number PAD002390961						H. Facility's Phone (610) 838-7034							
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) HM						12. Containers		13. Total Quantity		14. Unit Wt/Vol		15. Waste No.	
a. RQ Hazardous waste, solid, n.o.s.(D009)						No. 8		Type DM		4000		P	
X 9, NA3077, III												D009	
b.													
c.													
d.													
J. Additional Descriptions for Materials Listed Above						K. Handling Codes for Wastes Listed Above							
a.						a. R							
b.						b.							
c.						c.							
d.						d.							
15. Special Handling Instructions and Additional Information WTS#11348 Emer. Contact: 800-424-9300 a.5598 ERG# 171 PLATE # 09 40477 ME													
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.													
Printed/Typed Name Sal D'Amico						Signature <i>Sal D'Amico</i>		MONTH 12		DAY 22		YEAR 03	
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name JAMES E KERR						Signature <i>James E Kerr</i>		MONTH 12		DAY 22		YEAR 03	
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name						Signature		MONTH		DAY		YEAR	
19. Discrepancy Indication Space													
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19. Printed/Typed Name Kyle Weaver													
Signature <i>Kyle Weaver</i>						MONTH 12		DAY 31		YEAR 03			

3433476

STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID & HAZARDOUS MATERIALS

HAZARDOUS WASTE MANIFEST
P.O. Box 12820, Albany, New York 12212



(Hazardous Waste Manifest 500)

Type or print. Do not staple.

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA No. NYD088419890		Manifest Doc. No.		2. Page 1 of 1		Information within heavy bold line is not required by Federal Law.	
3. Generator's Name and Mailing Address NIACET CORP 400 47TH ST NIAGARA FALLS NY 14304-0258						A. NYB9433476			
4. Generator's Telephone Number (716) 285-1474						B. Generator's ID SAME			
5. Transporter 1 (Company Name) BUFFALO FUEL CORP				6. US EPA ID Number 14, 990, 904, 5, 7, 24		C. State Transporter's ID 40522474			
7. Transporter 2 (Company Name)				8. US EPA ID Number		D. Transporter's Telephone (508) 208-7087			
9. Designated Facility Name and Site Address CWM CHEMICAL SERVICES, L.L.C. 1550 BALMER RD. MODEL CITY NY 14107						10. US EPA ID Number NYD049836679		E. State Transporter's ID	
						F. Transporter's Telephone ()		G. State Facility ID	
						H. Facility Telephone (716) 754-8231			
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number) ARQ, HAZARDOUS WASTE, SOLID, N.O.S., 9, NA3077, III, (MERCURY)						12. Containers Number Type 008 DM		13. Total Quantity 2100 P	
b.								14. Unit Wt/Vol P	
c.								I. Waste No. EPA 0009	
d.								STATE	
J. Additional Descriptions for Materials listed Above CR9889						K. Handling Codes for Wastes Listed Above			
a.						b.		c.	
b.						d.		e.	
15. Special Handling Instructions and Additional Information CHEMTREC Emergency Response Number (800) 424-9300 WMI Contract SERVICE REQUEST #580757									
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations. If I am large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR if I am a smaller generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.									
Printed/Typed Name SALVATORE D'ANGELO				Signature <i>Salvatore D'Angelo</i>				Mo. Day Year 01 08 01	
17. Transporter 1 Acknowledgement of Receipt of Materials				Printed/Typed Name JOHN GIESELE				Signature <i>John Giesele</i>	
				Mo. Day Year 01 09 01					
18. Transporter 2 Acknowledgement of Receipt of Materials				Printed/Typed Name <i>John Giesele</i>				Signature <i>John Giesele</i>	
				Mo. Day Year 01 09 01					
19. Discrepancy Indication Space Time limit omitted 1/9/01 Doc No KA-R 12A-7DF JP 1/9/01 OK per M.D'Angelo									
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19									
Printed/Typed Name Jennifer A. PIERRE				Signature <i>Jennifer A. Pierre</i>				Mo. Day Year 01 09 01	

COPY 2-Generator State-Mailed by TSD Facility

SENT BY:
NYB8981487

1-21-89 ; 9:25 ; CWM MODEL CITY-ADMIN-

7162851487;# 2/ 4

DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID & HAZARDOUS MATERIALS

HAZARDOUS WASTE MANIFEST
P.O. Box 12820, Albany, New York 12212

Please type or print. Do not stamp

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA No. NYD08A48880		Manifest Doc. No.		2. Page 1 of 1		Information within heavy bold line is not required by Federal Law	
3. Generator's Name and Mailing Address NIACET CORP 400 47TH ST NIAGARA FALLS NY 14304-0258				6. US EPA ID Number NY 2000045724		A. NYB8981487		B. Generator's ID SAME	
4. Generator's Telephone 716-285-1474				5. Transporter 1 (Company Name) Buffalo Fuel Corp		C. State Transporter's ID NY		D. Transporter's Telephone 600 208-9097	
7. Transporter 2 (Company Name)				8. US EPA ID Number		E. State Transporter's ID		F. Transporter's Telephone ()	
8. Designated Facility Name and Site Address CWM CHEMICAL SERVICES, L.L.C. 1550 BALMER RD. MODEL CITY NY 14107				10. US EPA ID Number NYD049836679		G. State Facility ID		H. Facility Telephone () 716 754-0231	
11. US DOT Description (including Proper Shipping Name, Hazard Class and ID Number) *RC HAZARDOUS WASTE, SOLID, N.O.S., 9, NA3077, 111. (MERCURY)				12. Containers Number Type 1 DT		13. Total Quantity 44,000 EST.		14. Unit Wt/Vol lbs	
								1. Waste No. 5809	
								STATE	
								EPA	
								STATE	
								EPA	
								STATE	
								EPA	
								STATE	
J. Additional Descriptions for Materials Listed Above CL2824				K. Handling Codes for Wastes Listed Above a ☒ L c ☐					
b ☐ e ☐ d ☐				b ☐ d ☐					
15. Special Handling Instructions and Additional Information CHENTREC Emergency Response Number (800)424-9300				SR# 459741					
				81493272					
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR if I am a small generator, I have made a good faith effort to minimize my waste and select the best waste management method that is available to me and that I can afford.									
Printed/Typed Name Sal D'Angelo				Signature <i>Sal D'Angelo</i>				Mo. Day Year 09.16.98	
17. Transporter 1 Acknowledgment of Receipt of Materials									
Printed/Typed Name JEFFREY L. KOWALY				Signature <i>Jeffrey L. Kowaly</i>				Mo. Day Year 09.16.98	
18. Transporter 2 Acknowledgment of Receipt of Materials									
Printed/Typed Name				Signature				Mo. Day Year	
19. Discrepancy Indication Space Actual rec'd 32520 lb <i>Gr. Omittel dec-78</i> <i>Item 14-P</i>									
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.									
Printed/Typed Name KAREN KRAWCZYK				Signature <i>Karen Krawczyk</i>				Mo. Day Year 09.16.98	

COPY 1-Disposer State-Mailed by TSD Facility

2

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. NYD088419890	Manifest Doc. No. 0-1004	2. Page 1 of 1	815926202
3. Generator's Name and Mailing Address Union Carbide c/o URS Corp. 77 Goodell Street Buffalo, NY 14203			Site Address: 400 47th Street Niagara Falls, NY 14304		
4. Generator's Phone (716) 284-1474		6. US EPA ID Number NYD982792814	A. Transporter's Phone (716) 284-2132		
5. Transporter 1 Company Name Frank's Vacuum Truck Service		8. US EPA ID Number	B. Transporter's Phone		
7. Transporter 2 Company Name		10. US EPA ID Number NYD049836679	C. Facility's Phone (716) 754-8231		
9. Designated Facility Name and Site Address CWM Chemical Services, LLC 1550 Balmer Road Model City NY 14107					
11. Waste Shipping Name and Description		12. Containers No. Type	13. Total Quantity	14. Unit Wt/Vol	
a. USDOT Non-Regulated Soil		0 0 1 D-M	7 0 0	P	
b. USDOT Non-Regulated Water		0 0 5 D-M	2 5 0	G	
c. USDOT Non-Regulated Water		0 0 1 D-F	5	G	
d.					
D. Additional Descriptions for Materials Listed Above		E. Handling Codes for Wastes Listed Above			
a. c.		a.L c.T			
b. d.		b.T d.			
15. Special Handling Instructions and Additional Information a.VA6369 b.VA6370 c.VA6370 815926202					
16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste					
Printed/Typed Name Scott W. McCone on behalf of UCC		Signature <i>Scott W. McCone</i>		Month Day Year 01 12 05	
17. Transporter 1 Acknowledgement of Receipt of Materials		Signature <i>Ed GANIER</i>		Month Day Year 01 12 05	
18. Transporter 2 Acknowledgement of Receipt of Materials		Signature		Month Day Year	
19. Discrepancy Indication Space					
20. Facility Owner or Operator Certification of receipt of waste materials covered by this manifest except as noted in Item 19					
Printed/Typed Name <i>Richard D'Angelo</i>		Signature <i>Richard D'Angelo</i>		Month Day Year 01 12 05	

NYG 3316158

STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID & HAZARDOUS MATERIALS

HAZARDOUS WASTE MANIFEST
P.O. Box 12820, Albany, New York 12212

(Hazardous Waste Manifest 1/5/99)

Please type or print. Do not staple

In case of emergency or spill immediately call the National Response Center (800) 424-8802 and the NYS Department of Environmental Conservation (518) 457-7362

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. N Y D 0 8 8 4 1 9 8 9 0		Manifest Doc. No. 1 6 1 4 9		2. Page 1 of 1		Information within heavy bold line is not required by Federal Law.					
3. Generator's Name and Mailing Address Union Carbide c/o URS Corp. 77 Goodell Street Buffalo, NY 14203						A. NYG 3316158							
4. Generator's Telephone Number (716) 284-1474						B. Generator's ID 400 47th Street Niagara Falls, NY 14304							
5. Transporter 1 (Company Name) Frank's Vacuum Truck Service			6. US EPA ID Number N Y D 9 8 2 7 9 2 8 1 4			C. State Transporter's ID AD 76272M							
7. Transporter 2 (Company Name)			8. US EPA ID Number			D. Transporter's Telephone (716) 284-2132							
9. Designated Facility Name and Site Address CWM Chemical Services, LLC 1550 Balmer Road Model City NY 14107						E. State Transporter's ID							
10. US EPA ID Number N Y D 0 4 9 8 3 6 6 7 9						F. Transporter's Telephone ()							
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)						G. State Facility ID							
a. Hazardous Waste, Solid, n.o.s. (D009) 9, NA3077, III						12. Containers Number Type 0 0 9 D M		13. Total Quantity 3 1 0 0		14. Unit Wt/Vol P		I. Waste No. EPA D009 STATE	
b. RQ Hazardous Waste, Solid, n.o.s. (D009) 9, NA3077, III						0 0 2 D M		700 1 4 0 0		P		EPA D009 STATE	
c. RQ Hazardous Waste, Solid, n.o.s. (D009) 9, NA3077, III						0 0 3 D M		3 0 0		P		EPA D009 STATE	
d. Hazardous Waste, Solid, n.o.s. (D007, D008, D009), 9, NA3077, III; also EPA D007, D008						0 0 1 D F		3 5		P		EPA D009 STATE	
J. Additional Descriptions for Materials listed Above						K. Handling Codes for Wastes Listed Above							
a. MERCURY 1-14-05						L						R	
b. MERCURY 1-12-05						R						R	
15. Special Handling Instructions and Additional Information a. VA6366, ERG# 171-01 For Emergency Response: 800/424-9300 b. VA6367, ERG# 171-02 d. VA6368; ERG# 171 c. VA6371, ERG# 171-03										815 9 2 1 2 0			
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.													
Printed/Typed Name Scott W. McCone on behalf of UCC						Signature <i>Scott W. McCone</i>		Mo. Day Year 0 1 1 2 0 5					
17. Transporter 1 Acknowledgement of Receipt of Materials													
Printed/Typed Name ED GANIER						Signature <i>Ed Ganier</i>		Mo. Day Year 0 1 1 2 0 5					
18. Transporter 2 Acknowledgement of Receipt of Materials													
Printed/Typed Name						Signature		Mo. Day Year					
19. Discrepancy Indication Space Line 11 b - only one. (see R a) should be [J] as per Scott McCone - only one drum shipped on 1/1/05													
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.													
Printed/Typed Name Richard D. Angelo						Signature <i>Richard D. Angelo</i>		Mo. Day Year 0 1 1 2 0 5					

COPY 1—Disposer State—Mailed by TSD Facility