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The Trusted Integrator for Sustainable Solutions

REMOVAL SUPPORT TEAM 2
EPA CONTRACT EP-W-06-072

February 24, 2009

Mr. Kevin Matheis, On Scene Coordinator
U.S. Environmental Protection Agency
Removal Action Branch
2890 Woodbridge Avenue
Edison, NJ 08837

EPA CONTRACT NO: EP-W-06-072
TDD NO: TO-0009-0129
DOCUMENT CONTROL NO: RST 2-02-F-0816
SUBJECT: REVISED REMOVAL ACTION SUMMARY REPORT
MRS PLATING SITE - LOCKPORT, NIAGARA COUNTY, NEW YORK

Dear Mr. Matheis:

Enclosed please find the revised Removal Action Summary Report for the MRS Plating Site located in Lockport, Niagara County, New York.

If you have any questions, please do not hesitate to call me at (732) 585-4440.

Sincerely,

Weston Solutions, Inc.

Sayed Iqbal
Removal Support Team 2
Site Project Manager

Enclosure

cc: TDD File: TO-0009-0129

Removal Action Summary Report

For:

MRS Plating Site
310 Park Avenue
Lockport, Niagara County, New York

Prepared by:

Removal Support Team 2
Weston Solutions, Inc.
Northeast Division
Edison, New Jersey, 08837

Prepared for:

U. S. Environmental Protection Agency
Region II – Removal Action Branch
186 Exchange Street
Buffalo, NY 14203

Site Background

The MRS Plating Site (Site) is the location of an inactive plating facility which specialized in electroplating and anodizing. The Site is approximately one acre in size and is located at 310 Park Avenue, Lockport, Niagara County, New York (refer to Attachment A, Figure 1). The Site is located in a mixed residential and commercial portion of the city. A public school is located less than a block from the Site. The structure is a single story facility of cinder block construction, however, numerous cinder blocks exhibited deterioration and others exhibited discoloration, apparently from plating waste contamination and/or corrosive gases emanating from the wastes.

The northeast portion of the Site is covered with a gravel parking area, which was installed as a clean barrier over potentially contaminated underlying soils. The northern portion of the site is covered by a grassy area and walkway. The Site is immediately adjacent to a furniture retail store to the west, a residential property on the east, Park Avenue and a railroad yard to the north, and a residential area across Rene Place to the south. The public school grounds begin 90 feet to the east-southeast of the Site (230 feet from building to building). The Site is relatively flat and drainage from the Site flows in all directions.

Historical spills as recently as November 3, 2006, have caused discolored runoff to enter the parking lot of the furniture retail store to the west, and the alley (Rene Place) behind the Site which potentially impacts the residential properties to the south. The spills have been reported to and documented by the New York State Department of Environmental Conservation (NYSDEC). In a letter dated November 14, 2006, the NYSDEC requested that the United States Environmental Protection Agency (USEPA) perform a CERCLA emergency response action at the MRS Plating Site. The Niagara County Health Department inspected the Site on November 9, 2006, and issued an imminent public health threat determination.

At the request of the USEPA, RST 2 conducted a Preliminary Site Entry and Removal Assessment from December 12 to 14, 2006. The Removal Assessment showed that the Site contained chromic acid, nitric acid and hydrochloric acid ($pH<2$), along with caustic water treatment chemicals such as sodium hydroxide and potassium hydroxide solutions ($pH>12.5$). Facility diagrams located by the USEPA indicated that the Site contained 74 small vats and/or tanks used in the plating operations. The owner of the Site indicated that the vats and/or tanks contained raw plating chemicals and spent rinsates, none of which had been decontaminated. Subsequent to the RST 2 Removal Assessment, the USEPA's Emergency and Rapid Response Services (ERRS) Contractor, WRS, Inc., mobilized to the Site to properly containerize and dispose of the chemicals and wastes.

2007 Removal Assessment

In June 2007, RST 2 mobilized to the Site to perform a supplemental Removal Assessment. At the time of this Removal Assessment, most of the hazardous chemicals and materials had been removed from the Site. On June 19, 2007, RST 2 personnel arrived on-site to perform a Removal Assessment including multimedia sampling. The purpose of this Removal Assessment was to further investigate surface and subsurface soils at the Site and adjacent property, obtain and analyze sub-slab vapor samples from beneath the structures at the Site, and collect aqueous samples from floor drains and a sump at the Site. Refer to Attachment A, Figure 3 - Sampling Location Map, which depicts the locations of the areas sampled.

To collect surface and subsurface soil samples at the MRS Plating Site and adjacent property, RST 2 contracted and utilized a Geoprobe® model 5400 direct push rig. Eighteen locations (MRS-601 through MRS-618) were selected to obtain surface and subsurface soil samples from June 19 to 21, 2007. These borings were advanced to four feet below grade. Three additional locations (MRS-619 through MRS-621) were hand augered to 12 inches below grade. Surface samples were obtained from the first native soil encountered in the core, and subsurface samples were obtained from 3.5 to 4.0 feet below grade. Depending upon boring location, 0 to 25 inches of fill material was encountered before native soil was reached. All soil cores were screened for volatile organic vapors using a Mini-RAE 2000 Photo-Ionization Detector (PID). The highest PID recording (3,300 units) was detected in boring MRS-617, at a depth of 18 inches below grade. The concrete and fill above the soil at this location also exhibited elevated PID readings. This soil boring was located within the former plating facility.

Three borings, MRS-616, MRS-617, and MRS-618 were advanced inside the plating facility, through the concrete floor. Two borings, MRS-607 and MRS-608 were advanced in the parking lot of the adjacent furniture store. All thirty-two soil samples were analyzed for Target Analyte List Metals (TAL Metals), Mercury, Total Cyanide, Hexavalent Chromium, and Target Compound List Volatile Organic Compounds (TCL-VOCs). The report for this Removal Assessment was submitted to EPA on October 16, 2007.

Property Boundary Investigation (2007 and 2008)

Soils along the property boundary were assessed as part of the Removal Assessment conducted in June 2007 and the Removal Action conducted in 2008. The following sections discuss in detail the investigation of soils along the property boundaries.

Eastern Property Boundary Investigation

A total of five soil borings, MRS-601, MRS-604, MRS-605, MRS-606, and MRS-614 were advanced along the eastern property line during the June 2007 Removal Assessment. Soil samples were collected from the surface and at depth at each location, except for MRS-614, where only subsurface samples were collected. The deepest subsurface samples were collected at 48 inches below grade. Each soil sample was submitted for TCL-VOCs analysis. Analytical data for Trichloroethene and cis-and trans-1,2-Dichloroethene (the main VOCs of concern), for each sample was reported as non-detect. Surface soil samples collected at MRS-601, MRS-604, MRS-605 and MRS-606 were also analyzed for Hexavalent Chromium. The analytical data reported ranged from non-detect to 4.28 mg/kg. These levels are below the New York State Department of Environmental Conservation (NYSDEC) Guidelines, Subpart 375-6.8(b): Restricted Use (Residential) Soil Cleanup Objective (SCO) level of 110 mg/kg for Hexavalent Chromium.

Soil samples MRS-S-601, MRS-SS-601, MRS-S-604, MRS-SS-604, MRS-S-605, MRS-SS-605, MRS-S-606, and MRS-SS-606 were also analyzed for TAL Metals and Cyanide. Total Chromium data reported for soil samples MRS-S-601, MRS-SS-601, MRS-S-604, MRS-SS-604, MRS-SS-605, and MRS-SS-606 did not exceed the NYSDEC Guidelines, Subpart 375-6.8(b): Restricted Use (Residential) SCO level of 290 mg/kg for Total Chromium. However, soil samples MRS-S-605 and MRS-S-606 (both collected at 25-30 inches below grade) were reported at 344 mg/kg and 376 mg/kg respectively. Although these concentrations exceeded the NYSDEC Restricted Use (Residential) SCO for Total Chromium, they were below the NYSDEC Restricted Use (Commercial) SCO (1,900 mg/kg). Cadmium data reported for soil samples MRS-S-601, MRS-SS-601, MRS-S-604, MRS-SS-604, MRS-SS-605, and MRS-SS-606 did not exceeded the NYSDEC Guidelines, Subpart 375-6.8(b): Restricted Use (Residential) SCO of 4.3 mg/kg. Sample MRS-S-606 was reported at 8.7 mg/kg which exceeded the restricted residential standard, but not the restricted commercial standard (9.3 mg/kg). Sample MRS-S-605 was reported at 103 mg/kg, which exceeded the restricted residential, commercial, and industrial (60 mg/kg) standards.

Analytical data for Total Cyanide was reported for each soil sample as below the NYSDEC Restricted Use (Residential and Commercial) SCO of 27 mg/kg, except for soil sample MRS-S-606, which was reported at 64.9 mg/kg. The NYSDEC Restricted Use (Industrial) SCO is 10,000 mg/kg.

Southern Property Boundary Investigation

A total of four soil borings, SB-1, SB-2, SB-3, and MRS-613 were advanced along the southern property line in 2007 and 2008. Soil boring MRS-613 was installed along the southern property line at Rene Place (public road) during the June 2007 Removal Assessment sampling event. Soil sample MRS-SS-613 was collected from 42 to 48 inches below grade and was submitted for TCL-VOCs analyses. The analytical data for Trichloroethene and cis- and trans-1,2 Dichloroethene were reported as non-detect.

On May 5, 2008, the on-site office building was demolished and the demolition debris was removed. On May 29, 2008, three soil borings, SB-1, SB-2, and SB-3 were installed along the southern edge of the former office building (adjacent to the residential property) and extended down to ten feet below grade (See Attachment A, Figure 2). These borings were located beneath the former laboratory that was housed in the structure and adjacent to an occupied residential property. A total of nine soil samples (SSA-SB1-3-4, SSB-SB1-7-8, SSB-SB1-9-10, SSA-SB2-3-4, SSB-SB2-7-8, SSB-SB2-9-10, SSA-SB3-3-4, SSB-SB3-7-8, and SSB-SB3-9-10) were collected. Three soil samples from each boring location were collected and submitted for TCL-VOCs, SVOCs, TAL Metals, Cyanide and Hexavalent Chromium analyses. Analytical data for the soil samples collected at soil borings SB-1, SB-2, and SB-3 revealed that no analytical parameter exceeded NYSDEC Guidelines, Subpart 375-6.8(b): Restricted Use (Residential) SCOs.

Western Property Boundary Investigation

A total of four soil borings, MRS-609, MRS-610, MRS-611, and MRS-612 were advanced along the western property line during the June 2007 Removal Assessment. Samples were submitted for TCL-VOCs, TAL Metals, and Cyanide analysis with sample depths ranging from 0 to 48 inches below grade. Analytical data for Trichloroethene and, trans- and cis-1,2 Dichloroethene were reported as either non-detect or below the NYSDEC Guidelines, Subpart 375-6.8(b): Restricted Use (Residential) SCO levels.

Analytical data that exceeded NYSDEC Guidelines, Subpart 375-6.8(b) Restricted Use (Residential) SCOs included sample MRS-S-609 for Cadmium (25.3 mg/kg) and Total Chromium (2,580 mg/kg), sample MRS-S-610 for Total Chromium (64.5 mg/kg) and sample MRS-S-612 for Cadmium (359 mg/kg), Total Chromium (1,660 mg/kg) and Cyanide (66.5 mg/kg).

During the Removal Action, soils at and around sample locations MRS-609 and MRS-610 were excavated to a depth of four feet below grade and down to three feet below grade at sample location MRS-S-612. Samples collected post-excavation from these areas are discussed later in this report.

Additional Samples Collected – Property Background Investigation

During the 2008 Removal Action, EPA tasked ERRS personnel to remove approximately one foot of surface soil from areas along the northern and southern property lines. ERRS personnel then collected two soil samples (CONF-FW and CONF-FE) from the northern property boundary and two soil samples (CONF-RW and CONF-RE) from the southern property boundary. These samples were collected to confirm the levels of heavy metals at the property boundaries prior to restoration. The soil samples were submitted to a laboratory for TAL Metals analyses. Analytical data is provided in the table immediately after this report.

2008 Removal Action

EPA initiated a Removal Action at the MRS Plating Site in April 2008. On April 28, 2008, RST 2 mobilized to the Site to provided removal action oversight including written and photographic documentation of on-site activities and establishment of air monitoring and soil sample locations. RST 2 began conducting air monitoring on a daily basis for total particulate matter using DataRAM 4000 monitors and for volatile organic vapors using AreaRAEs. RST 2 also collected daily air samples for Total Metals analysis via NIOSH Method 7300 and asbestos analysis via NIOSH Methods 7400 and 7402. Refer to Tables 1 and 2 in Attachment B for air sampling analytical data for asbestos and total metals. The monitoring stations were documented on a site map and were modified based on meteorological conditions provided by the on-site weather station. RST 2 also prepared air monitoring and sampling reports and captioned site activity photographs. These deliverables were submitted to the OSC on a weekly basis from April 29 to July 16, 2008, and are not included as an attachment to this report.

Former Office Building Investigation

On May 5, 2008, the on-site office building was demolished and the demolition debris was removed for off-site recycling and disposal. RST 2 collected Post-Demolition soil samples from the soils beneath the former building slab on May 29, 2008 (See Attachment A, Figure 2). Three soils boring were installed along the southern edge of the office building and extended down to ten feet below ground level. For more details on this portion of the investigation, see the "Southern Property Boundary Investigation" section of this report and Attachment C for the report titled Removal Site Assessment – Analytical Data Summary, dated November 17, 2008.

Former Plating Shop Investigation

On May 7, 2008, the Plating Shop was demolished and debris was sorted into concrete, metal, wood and other building material into hazardous and non-hazardous debris piles for off-site recycling and disposal. After the removal of

building debris, the concrete floor and foundations were removed and transported off-site for recycling and disposal.

Following visual observations and volatile organic vapor screening of the soils beneath the former Plating Shop, soils were excavated down to approximately three feet below grade and disposed of at an off-site facility. During the Removal Action and soil excavation at the site, continuous air monitoring and sampling were performed at the site perimeter and soils within the excavation were screened for volatile organic vapors using a calibrated MultiRAE equipped with a PID. The excavation was performed in stages and confirmation soil samples were collected as the excavation progressed until analytical data indicated that the soils were below EPA clean-up criteria.

On June 25, 2008, six post-excavation confirmation soil samples CONF-FW-1, CONF-FE-1, CONF-MRW-1, CONF-MRE-1, CONF-RW-1 and CONF-RE-1 were collected from the north and south portions of the excavation area. Once this soil was removed from the site, the middle portion of the excavation was removed to a depth of three feet below grade. On July 1, 2008, four post-excavation confirmation soil samples (CONF-CE-1, CONF-CE-2, CONF-MFE-1 and CONF-MFE-2) were collected from the middle portion of the excavation area. Each sample was submitted for Total Cyanide, Hexavalent Chromium, Chromium, Cadmium and Trichloroethene analyses.

Following a review of the analytical data, EPA elected to remove one additional foot of soil from the middle portion of the excavation. On July 7, 2008, after removing approximately 12 inches of soil, four post-excavation confirmation soil samples (CONF-MFW-1, CONF-MFW-2, CONF-CW-1 and CONF-CW-2) were collected from the plating shop excavation area for analyses. Analytical data is provided in the table located immediately after this report. In addition, ERRS personnel removed 12 to 18 inches of soil from the area between the Plating Shop Excavation and the northern property fence. Refer to Attachment A, Figure 2 for Post-Demolition Confirmation Soil Sampling Locations.

Approximate dimensions of the final Plating Shop Excavation were 50 feet wide by 138 feet long and three feet deep along the northern and southern sides of the excavation and approximately four feet deep within the middle portion of the excavation.

Prior to the completion of site restoration and after the removal of approximately one foot of surface soil, ERRS personnel collected two soil samples (CONF-FW and CONF-FE) from the northern property boundary and two soil samples (CONF-RW and CONF-RE) from the southern property boundary. These samples were collected to confirm the levels of heavy metals at the property boundaries prior to restoration. The soil samples were submitted to a laboratory for TAL Metals analyses. Analytical data is provided in the table immediately after this report.

Report prepared by: _____ 02/24/09

Sayed Iqbal
RST 2 Site Project Manager

Date

Report reviewed by: _____ 2/24/09

John Brennan
RST 2 Group Leader

Date

MRS PLATING SITE
CONFIRMATION SOIL SAMPLES - PROPERTY BOUNDARY INVESTIGATION

Analytical Data Table

RST 2 Sample ID	CONF-FW	CONF-FE	CONF-RW	CONF-RE
Sample Matrix	Soil	Soil	Soil	Soil
Sample Date	9/5/2008	9/5/2008	9/5/2008	9/5/2008
Units	mg/kg	mg/kg	mg/kg	mg/kg
Aluminum	25,000	22,800	2,170	5,140
Antimony	<4.85	<5.43	<4.72	<3.55
Arsenic	4.90	5.31	3.07	4.18
Barium	152	172	14.8	173
Beryllium	1.34	1.36	<0.393	<0.295
Cadmium	1.26	1.46	3.30	1.80
Calcium	3,030	2,600	196,000	63,700
Chromium	44.2	26.2	27.8	19.8
Cobalt	25.7	19.8	1.41	4.88
Copper	92.2	13.2	18.5	288.0
Iron	28,500	30,400	7,120	10,400
Lead	12.5	11.1	21.4	83.5
Magnesium	7,990	7,310	98,300	19,000
Maganese	1,050	2,100	1,520	455
Mercury	0.0166	0.0178	<0.0048	0.0295
Nickel	32.2	33.9	4.37	18.7
Potasium	3,860	3,380	1,240	1,140
Selenium	<0.404	<0.452	<0.393	<0.295
Silver	<0.808	<0.903	<0.785	<0.592
Sodium	230	1,000	353	339
Thallium	<0.485	<0.542	<0.471	<0.355
Vanadium	42.6	43.4	3.63	13.8
Zinc	66.1	57.9	108	72.7
Hexavalent Chromium	N/A	N/A	N/A	N/A
Total Cyanide	N/A	N/A	N/A	N/A

ND - Not Detected
N/A - Not Analyzed

MRS PLATING SITE
CONFIRMATION SOIL SAMPLES - PLATING SHOP EXCAVATION

Analytical Data Table

		Inorganic Analytical Data (mg/kg)				Analytical Data (µg/Kg)
RST 2 Sample ID	Sample Date	Total Cyanide	Hexavalent Chromium	Chromium	Cadmium	Trichloroethene
CONF-FW-1	6/25/2008	0.24	ND	66.9	6.80	ND
CONF-FE-1	6/25/2008	ND	ND	52.3	4.05	193
CONF-MRW-1	6/25/2008	0.54	ND	31.0	0.787	ND
CONF-MRE-1	6/25/2008	1.8	ND	33.7	81.1	ND
CONF-WR-1	6/25/2008	34	ND	142	<0.540	ND
CONF-RE-1	6/25/2008	0.62	ND	29.4	0.949	51.2
CONF-CE-1	7/1/2008	1.4	ND	38.7	2.89	324
CONF-CE-2	7/1/2008	1.0	ND	57.4	1.06	280
CONF-MFE-1	7/1/2008	2.4	ND	25.9	<0.407	38,000 E
CONF-MFE-2	7/1/2008	ND	ND	21.1	<0.462	8,500
CONF-MFW-1	7/7/2008	ND	ND	32.7	<0.478	ND
CONF-MFW-2	7/7/2008	11	1.3	53.9	<0.403	ND
CONF-CW-1	7/7/2008	1.1	ND	20.5	<0.477	ND
CONF-CW-2	7/7/2008	ND	ND	23.7	<0.491	ND

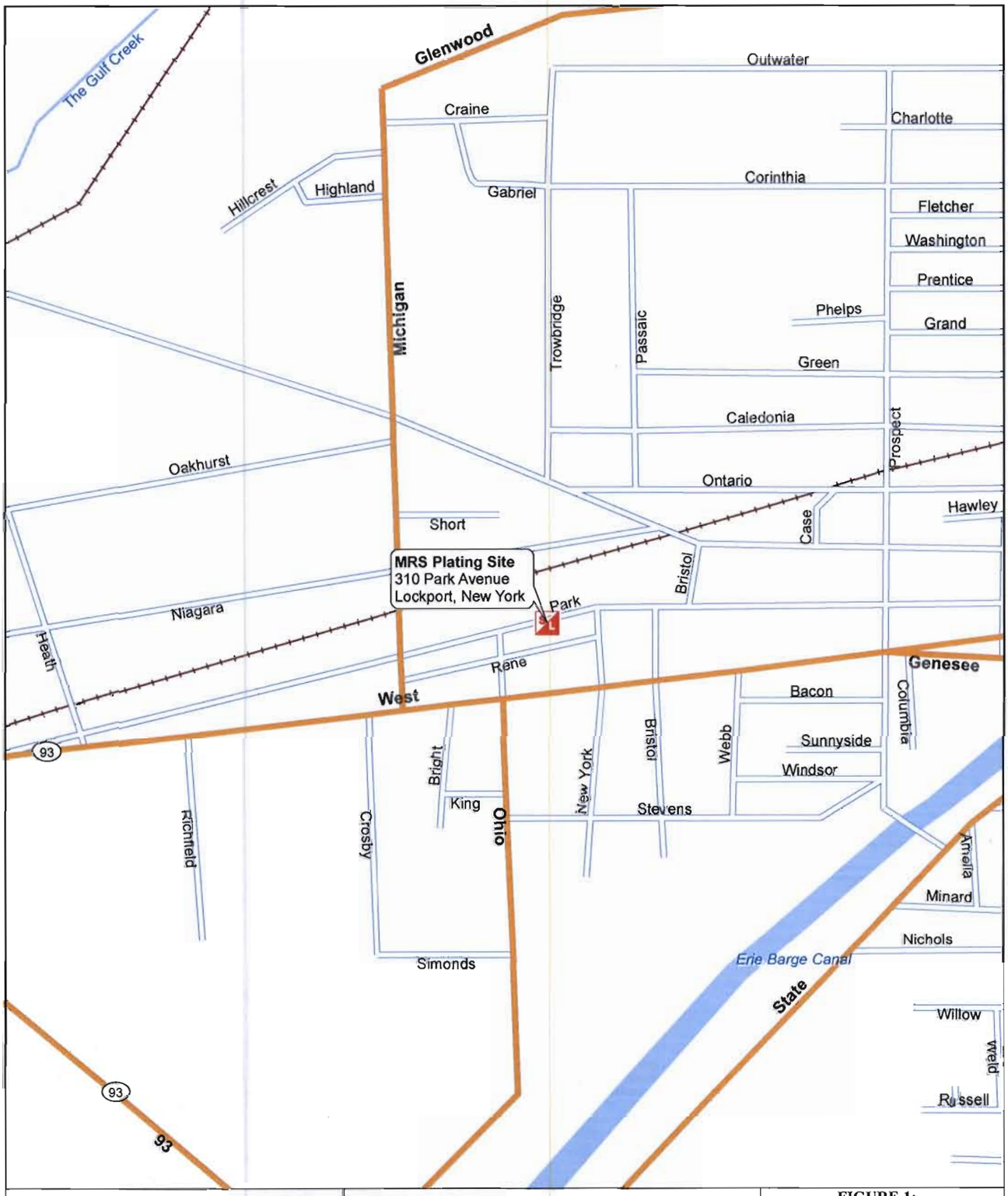
ND - Not Detected
E - Estimated Value
mg/kg - milligram per killogram
µg/Kg - microgram per killogram

ATTACHMENT A

Figure 1: Site Location Map

Figure 2: Post-Demolition Confirmation Soil Sample Location Map

Figure 3: 2007 Removal Assessment Sample Location Map



Legend

Site Location

N

0 0.05 0.1 0.2 0.3 0.4 Miles

Weston Solutions, Inc.

In Association With
Scientific and Environmental Associates, Inc.,
Innovative Technical Solutions, Inc. and
Avatar Environmental LLC.

FIGURE 1:
SITE LOCATION MAP

MRS PLATING SITE
LOCKPORT, NEW YORK

U.S. ENVIRONMENTAL PROTECTION AGENCY
REMOVAL SUPPORT TEAM 2
CONTRACT # EP-W-06-072

DRAWN BY:	F. CAMPBELL
EPA OSC:	K. MATHEIS
RST SPM:	S. IQBAL
FILENAME:	MRS PLATING.MXD

DATE MODIFIED: 07/13/2007

Park Ave

FURINTURE STORE
PARKING LOT

FURNITURE
STORE

OCCUPIED
COMMERICAL
PROPERTY

RESIDENTIAL
PARKING LOT

OCCUPIED
RESIDENTIAL
PROPERTY

CONF-FW

CONF-FE

CONF-FW-1

CONF-FE-1

Excavated To
3 Feet Below Grade

CONF-MFW-1
CONF-MFW-2

CONF-MFE-1
CONF-MFE-2

(FORMER)
MRS SHOP

Excavated To
4 Feet Below Grade

CONF-CW-1
CONF-CW-2

CONF-CE-1
CONF-CE-2

(FORMER)
MRS OFFICE

CONF-MRW-1

CONF-MRE-1

SB-3

SB-2

SB-1

CONF-RW-1

CONF-RE-1

Excavated To
3 Feet Below Grade

CONF-RW

CONF-RE

0 10 20 40
Feet

Legend

Sampling Dates

- May 2008
- June 2008 - September 2008

- Surrounding Landmarks
- Former MRS Buildings

Excavation Boundaries

- 3 Feet Below Grade
- 4 Feet Below Grade

Weston Solutions, Inc.
Northeast Divison

In Association With
Innovative Technical Solutions, Inc.,
Scientific and Environmental Associates, Inc.
and Avatar Environmental, LLC.

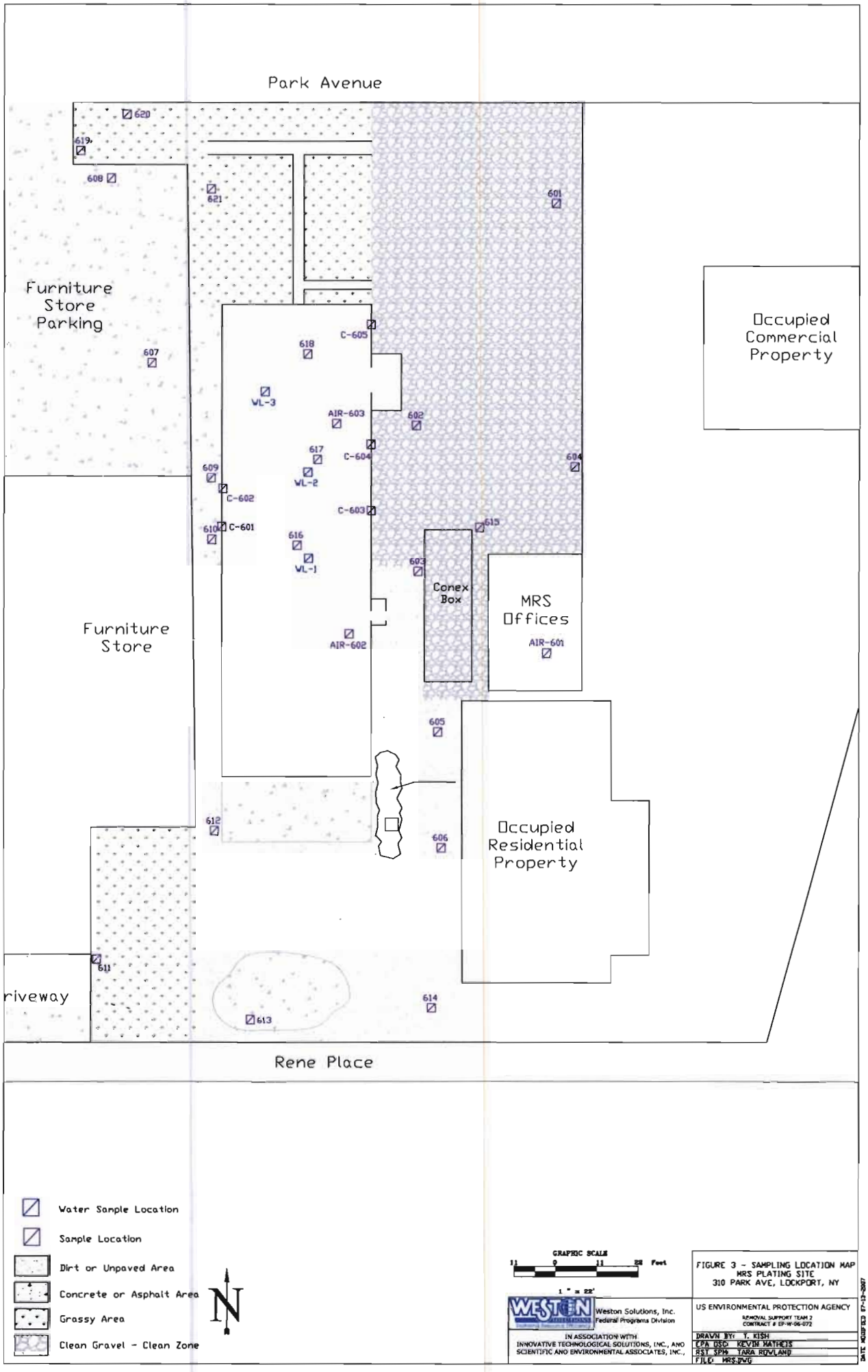
Figure 2:
Sample Location Map

MRS PLATING SITE
310 PARK AVE, LOCKPORT, NEW YORK

U.S. ENVIRONMENTAL PROTECTION AGENCY
REMOVAL SUPPORT TEAM 2
CONTRACT # EP-W-06-072

GIS ANALYST:	J. JAGER
EPA OSC:	K. MATHEIS
RST SPM:	S. IQBOL
FILENAME:	MRS SAMPLE LOCATION.MXD

DATE MODIFIED: 12/13/2008


Park Avenue
620
619
608
621
601
Furniture Store Parking
607
C-605
618
WL-3
AIR-603
602
617
C-604
604
609
WL-2
C-602
C-603
610
C-601
615
616
WL-1
603
Conex Box
MRS Offices
AIR-601
Furniture Store
AIR-602
605
612
606
Occupied Residential Property
Occupied Commercial Property
611
riveway
614
613
Rene Place
Water Sample Location
Sample Location
Dirt or Unpaved Area
Concrete or Asphalt Area
Grassy Area
Clean Gravel - Clean Zone
N
GRAPHIC SCALE
11 0 11 22 Feet
1 " = 22'
Weston Solutions, Inc.
Federal Programs Division
IN ASSOCIATION WITH
INNOVATIVE TECHNOLOGICAL SOLUTIONS, INC., AND
SCIENTIFIC AND ENVIRONMENTAL ASSOCIATES, INC.,
FIGURE 3 - SAMPLING LOCATION MAP
MRS PLATING SITE
310 PARK AVE, LOCKPORT, NY
US ENVIRONMENTAL PROTECTION AGENCY
REMOVAL SUPPORT TEAM 2
CONTRACT # EP-W-06-072
DRAWN BY: T. KISH
EPA OSC: KEVIN MATHEIS
RST SPM: TARA ROVLAND
FILE: MRS.DWG
DATE MODIFIED 07-13-2007

ATTACHMENT B

Table 1: Air Samples for Metal Analysis

Table 2: Air Samples for Asbestos Analysis

TABLE - 1
MRS PLATING SITE
AIR SAMPLES FOR METALS ANALYSIS

Sample Date	RST 2 Sample ID	Results ($\mu g/m^3$)								
Analytical Parameters		Silver	Arsenic	Barium	Cadmium	Chromium	Copper	Nickel	Lead	Zinc
5/1/2008	MRS-TM-1-050108	<0.101	<0.051	<0.203	<0.051	0.335 B	<0.101	<0.405	<0.051	0.508 B
	MRS-TM-2-050108	<0.104	<0.052	<0.207	<0.052	0.462 B	<0.104	<0.415	<0.052	0.218 B
	MRS-TM-3-050108	<0.101	<0.051	<0.203	<0.051	0.494 B	<0.101	<0.405	<0.054	0.203 B
5/5/2008	MRS-TM-1-050508	<0.098	<0.049	<0.196	<0.049	0.541 B	<0.098	<0.394	<0.049	0.419 B
	MRS-TM-2-050508	<0.136	<0.068	<0.271	<0.068	0.566 B	<0.136	<0.542	<0.114	0.802 B
	MRS-TM-3-050508	<0.105	<0.052	<0.210	<0.052	0.603 B	<0.105	<0.419	<0.080	1.29 B
5/6/2008	MRS-TM-1-050608	<0.125	<0.062	<0.250	<0.062	0.690 B	<0.125	<0.499	<0.062	<0.250
	MRS-TM-2-050608	<0.144	<0.072	<0.288	<0.072	1.02 B	<0.144	<0.576	**0.452**	<0.288
	MRS-TM-3-050608	<0.136	<0.068	<0.271	<0.068	1.02 B	<0.136	<0.542	<0.068	<0.271
	MRS-TM-LB-050608	<0.136	<0.068	<0.271	<0.068	0.679 B	<0.136	<0.542	<0.119	<0.271
	MRS-TM-FB-050608	<0.136	<0.068	<0.271	<0.068	0.743 B	<0.136	<0.542	0.068	<0.271
5/7/2008	MRS-TM-1-050708	<0.128	<0.064	<0.255	<0.064	0.940 B	<0.128	<0.510	<0.064	<0.255
	MRS-TM-2-050708	<0.128	<0.064	<0.255	<0.064	0.983 B	<0.128	<0.511	**0.286**	<0.255
	MRS-TM-3-050708	<0.130	<0.065	<0.260	<0.065	0.647 B	<0.130	<0.521	<0.065	<0.260
	MRS-TM-4-050708	<0.125	<0.062	<0.249	<0.062	0.867 B	<0.125	<0.498	0.071	<0.249
5/8/2008	MRS-TM-1-050808	<0.103	<0.051	<0.206	<0.051	0.588 B	<0.103	<0.411	<0.051	<0.206
	MRS-TM-2-050808	<0.101	<0.050	<0.201	<0.050	0.785 B	<0.101	<0.402	<0.050	<0.201
	MRS-TM-3-050808	<0.103	<0.051	<0.206	<0.051	0.817 B	<0.103	<0.411	<0.054	<0.206
	MRS-TM-4-050808	<0.100	<0.050	<0.200	<0.050	0.518 B	<0.100	<0.400	<0.050	<0.200
5/9/2008	MRS-TM-1-050908	<0.116	<0.058	<0.232	<0.058	0.656 B	<0.116	<0.463	**0.416**	<0.232
	MRS-TM-2-050908	<0.127	<0.064	<0.255	<0.064	0.639 B	<0.127	<0.509	**0.221**	<0.255
	MRS-TM-3-050908	<0.140	<0.070	<0.281	<0.070	1.22 B	<0.140	<0.562	**0.161**	<0.281
	MRS-TM-4-050908	<0.139	<0.069	<0.277	<0.069	0.870 B	<0.139	<0.554	<0.069	<0.277
5/12/2008	MRS-TM-1-051208	<0.247	<0.123	<0.494	<0.123	1.58 B	<0.247	<0.988	<0.123	<0.494
	MRS-TM-2-051208	<0.244	<0.122	<0.489	<0.122	1.46 B	<0.244	<0.978	<0.122	<0.489
	MRS-TM-3-051208	<0.240	<0.120	<0.481	<0.122	1.46 B	<0.240	<0.962	<0.120	<0.481
	MRS-TM-FB-051208	<0.247	<0.123	<0.494	<0.123	1.73 B	<0.247	<0.988	<0.123	<0.494
5/13/2008	MRS-TM-1-051308	<0.099	<0.050	<0.199	<0.050	0.551 B	<0.099	<0.397	<0.050	<0.199
	MRS-TM-2-051308	<0.096	<0.048	<0.192	<0.048	0.630 B	<0.096	<0.385	<0.048	<0.192
	MRS-TM-3-051308	<0.099	<0.049	<0.197	<0.049	0.577 B	<0.099	<0.395	<0.049	<0.197
	MRS-TM-4-051308	<0.097	<0.049	<0.195	<0.049	0.556 B	<0.097	<0.390	<0.049	<0.195

B - Analyte was also detected in the blank
Bold - Value above the method detection limit
$\mu g/m^3$ - Microgram per cubic meter

TABLE - 1
MRS PLATING SITE
AIR SAMPLES FOR METALS ANALYSIS

Sample Date	RST 2 Sample ID	Results ($\mu g/m^3$)								
Analytical Parameters		Silver	Arsenic	Barium	Cadmium	Chromium	Copper	Nickel	Lead	Zinc
5/14/2008	MRS-TM-1-051408	<0.096	<0.048	<0.193	<0.048	0.763 B	<0.096	<0.386	<0.048	0.208 B
	MRS-TM-2-051408	<0.100	<0.050	<0.199	<0.050	0.836 B	<0.100	<0.398	<0.050	<0.199
	MRS-TM-3-051408	<0.101	<0.050	<0.201	<0.050	0.626 B	<0.101	<0.403	<0.050	<0.201
	MRS-TM-4-051408	<0.101	<0.051	<0.202	<0.051	0.710 B	<0.101	<0.405	**0.052**	<0.202
5/15/2008	MRS-TM-1-051508	<0.106	<0.053	<0.202	<0.053	0.690 B	<0.106	<0.424	<0.053	<0.212
	MRS-TM-2-051508	<0.106	<0.053	<0.213	<0.053	1.06 B	<0.106	<0.426	<0.053	<0.213
	MRS-TM-3-051508	<0.105	<0.053	<0.210	<0.053	0.750 B	<0.105	<0.421	<0.053	<0.210
	MRS-TM-1-051508	<0.104	<0.052	<0.208	<0.052	0.737 B	<0.104	<0.416	<0.052	<0.208
5/16/2008	MRS-TM-1-051608	<0.117	<0.059	<0.234	<0.059	0.793 B	<0.117	<0.468	<0.059	0.234 B
	MRS-TM-2-051608	<0.119	<0.060	<0.239	<0.060	0.734 B	<0.119	<0.477	<0.075	<0.300 B
	MRS-TM-3-051608	<0.120	<0.060	<0.240	<0.060	1.06 B	<0.120	<0.479	<0.060	<0.242 B
	MRS-TM-4-051608	<0.118	<0.059	<0.237	<0.059	0.609 B	<0.118	<0.474	<0.059	<0.237 B
5/20/2008	MRS-TM-1-052008	<0.104	<0.052	<0.207	<0.052	0.859 B	<0.104	<0.414	<0.052	0.207 B
	MRS-TM-2-052008	<0.104	<0.052	<0.208	<0.052	0.655 B	<0.104	<0.415	<0.052	<0.308 B
	MRS-TM-3-052008	<0.106	<0.053	<0.211	<0.053	0.629 B	<0.106	<0.422	<0.053	<0.211 B
	MRS-TM-FB-052008	<0.106	<0.053	<0.211	<0.053	0.685 B	<0.106	<0.422	<0.053	<0.299 B
5/21/2008	MRS-TM-1-052108	<0.098	<0.049	<0.197	<0.049	0.783 B	<0.098	<0.394	<0.094	<0.197
	MRS-TM-2-052108	<0.100	<0.050	<0.201	<0.050	0.886 B	<0.100	<0.402	<0.064	<0.201
	MRS-TM-3-052108	<0.101	<0.051	<0.202	<0.051	0.806 B	<0.101	<0.405	<0.052	<0.202
5/28/2008	MRS-TM-1-052808	<0.116	<0.058	<0.231	<0.058	0.437 B	<0.116	<0.462	<0.058	<0.231
	MRS-TM-2-052808	<0.122	<0.061	<0.243	<0.061	0.674 B	<0.122	<0.486	<0.061	<0.243
	MRS-TM-3-052808	<0.121	<0.061	<0.242	<0.061	**8.32**	<0.121	**3.49**	<0.061	<0.242
6/11/2008	MRS-TM-1-061108	<0.128	<0.064	<0.257	<0.064	0.484 B	<0.128	<0.513	<0.064	<0.257 B
	MRS-TM-2-061108	<0.128	<0.064	<0.256	<0.064	0.673 B	<0.128	<0.513	**0.077**	<0.256 B
	MRS-TM-3-061108	<0.132	<0.066	<0.264	<0.066	0.802 B	<0.132	<0.528	<0.066	<0.264 B
	MRS-TM-FB-061108	<0.132	<0.066	<0.264	<0.066	0.641 B	<0.132	<0.528	<0.067	<0.434 B
	MRS-TM-LB-061108	<0.132	<0.066	<0.264	<0.066	0.809 B	<0.132	<0.528	0.066	<0.264 B

B - Analyte was also detected in the blank
Bold - Value above the method detection limit
$\mu g/m^3$ - Microgram per cubic meter

TABLE - 2
MRS PLATING SITE
AIR SAMPLES FOR ASBESTOS ANALYSIS

Sample Date	RST 2 Sample ID	Matrix	Analysis	Fibers/cc
4/29/2008	MRS-AA-1-042908	Air	Asbestos (PCM)	<0.01
	MRS-AA-2-042908	Air	Asbestos (PCM)	<0.01
	MRS-AA-3-042908	Air	Asbestos (PCM)	<0.01
	MRS-AA-4-042908	Air	Asbestos (PCM)	<0.01
	MRS-AA-FB-042908	Field Blank	Asbestos (PCM)	N/F
	MRS-AA-LB-042908	Lot Blank	Asbestos (PCM)	N/F
4/30/2008	MRS-AA-1-043008	Air	Asbestos (PCM)	<0.01
	MRS-AA-2-043008	Air	Asbestos (PCM)	<0.01
	MRS-AA-3-043008	Air	Asbestos (PCM)	<0.01
	MRS-AA-4-043008	Air	Asbestos (PCM)	<0.01
5/1/2008	MRS-AA-1-050108	Air	Asbestos (PCM)	<0.01
	MRS-AA-2-050108	Air	Asbestos (PCM)	<0.01
	MRS-AA-3-050108	Air	Asbestos (PCM)	<0.01
5/5/2008	MRS-AA-1-050508	Air	Asbestos (PCM)	<0.01
	MRS-AA-2-050508	Air	Asbestos (PCM)	<0.01
	MRS-AA-3-050508	Air	Asbestos (PCM)	<0.01
5/6/2008	MRS-AA-1-050608	Air	Asbestos (PCM)	<0.01
	MRS-AA-2-050608	Air	Asbestos (PCM)	<0.01
	MRS-AA-3-050608	Air	Asbestos (PCM)	<0.01
5/7/2008	MRS-AA-1-050708	Air	Asbestos (PCM)	<0.01
	MRS-AA-2-050708	Air	Asbestos (PCM)	<0.01
	MRS-AA-3-050708	Air	Asbestos (PCM)	<0.01
	MRS-AA-4-050708	Air	Asbestos (PCM)	<0.01
	MRS-AA-FB-050708	Field Blank	Asbestos (PCM)	N/F
5/8/2008	MRS-AA-1-050808	Air	Asbestos (PCM)	<0.01
	MRS-AA-2-050808	Air	Asbestos (PCM)	<0.01
	MRS-AA-3-050808	Air	Asbestos (PCM)	<0.01
	MRS-AA-4-050808	Air	Asbestos (PCM)	<0.01
5/9/2008	MRS-AA-1-050908	Air	Asbestos (PCM)	<0.01
	MRS-AA-2-050908	Air	Asbestos (PCM)	<0.01
	MRS-AA-3-050908	Air	Asbestos (PCM)	<0.01
	MRS-AA-4-050908	Air	Asbestos (PCM)	<0.01
5/12/2008	MRS-AA-1-051208	Air	Asbestos (PCM)	<0.01
	MRS-AA-2-051208	Air	Asbestos (PCM)	<0.01
	MRS-AA-3-051208	Air	Asbestos (PCM)	<0.01
	MRS-AA-FB-051208	Field Blank	Asbestos (PCM)	N/F
5/13/2008	MRS-AA-1-051308	Air	Asbestos (PCM)	<0.01
	MRS-AA-2-051308	Air	Asbestos (PCM)	<0.01
	MRS-AA-3-051308	Air	Asbestos (PCM)	<0.01
	MRS-AA-4-051308	Air	Asbestos (PCM)	<0.01
5/14/2008	MRS-AA-1-051408	Air	Asbestos (PCM)	<0.01
	MRS-AA-2-051408	Air	Asbestos (PCM)	<0.01
	MRS-AA-3-051408	Air	Asbestos (PCM)	<0.01
	MRS-AA-4-051408	Air	Asbestos (PCM)	<0.01

N/F - No fibers detected

TABLE - 2
MRS PLATING SITE
AIR SAMPLES FOR ASBESTOS ANALYSIS

Sample Date	RST 2 Sample ID	Matrix	Analysis	Fibers/cc
5/15/2008	MRS-AA-1-051508	Air	Asbestos (PCM)	<0.01
	MRS-AA-2-051508	Air	Asbestos (PCM)	<0.01
	MRS-AA-3-051508	Air	Asbestos (PCM)	<0.01
	MRS-AA-4-051508	Air	Asbestos (PCM)	<0.01
	MRS-AA-LB-051508	Lot Blank	Asbestos (PCM)	N/F
5/16/2008	MRS-AA-1-051608	Air	Asbestos (PCM)	<0.01
	MRS-AA-2-051608	Air	Asbestos (PCM)	<0.01
	MRS-AA-3-051608	Air	Asbestos (PCM)	<0.01
	MRS-AA-4-051608	Air	Asbestos (PCM)	<0.01

N/F - No fibers detected

ATTACHMENT C

Copy of Removal Site Assessment – Analytical Data Summary

November 17, 2008

Weston Solutions, Inc.
Federal Programs Division
Suite 201
1090 King Georges Post Road
Edison, New Jersey 08837-3703
732-585-4400 • Fax 732-225-7037
www.westonsolutions.com

FILE COPY

The Trusted Integrator for Sustainable Solutions

REMOVAL SUPPORT TEAM 2
EPA CONTRACT EP-W-06-072

November 17, 2008

Mr. Kevin Matheis, On-Scene Coordinator
U.S. Environmental Protection Agency – Region 2
Removal Action Branch
2890 Woodbridge Avenue
Edison, New Jersey 08837

EPA CONTRACT NO: EP-W-06-072
TDD NO: TO-0009-0004
DCN: RST 2-02-F-00745
SUBJECT: MRS PLATING SITE, 310 PARK AVENUE, LOCKPORT, NIAGARA COUNTY, NEW YORK – REMOVAL SITE ASSESSMENT – ANALYTICAL DATA SUMMARY

Dear Mr. Matheis:

Enclosed please find the Analytical Data from the Removal Site Assessment at the MRS Plating Site, located in Lockport, New York. The site investigation was conducted on May 29, 2008. If you have any questions or comments, please feel free to contact me at (732) 585-4423.

Sincerely,

Weston Solutions, Inc.

Joel Siegel, P.G.
Site Project Manager

Enclosure,

cc: TDD File No. TO-0009-0004

SAMPLING TRIP REPORT

FILE COPY

Site Name: MRS Plating
CERCLIS ID Number: NYD080325707
Sampling Date: May 29, 2008
CLP Case Number: 37517
Site Location: Lockport, New York
Refer to Attachment 1 Figure 1, Site Location Map, and Figure 2, Sample Location Map.
Sample Descriptions: Soil samples

Laboratories Receiving Samples (Table 1):

Case Number	Sample Type	Name and Address of Laboratory
37517	TCL Volatiles, Semivolatiles	Mitkem Corporation 175 Metro Canter Blvd. Warwick, RI 02886 (401) 732-3400

Case Number	Sample Type	Name and Address of Laboratory
-	TAL Metals, Mercury, Cyanide	US EPA DESA 2890 Woodbridge Avenue Edison, NJ 08837 (732) 906-6886

Case Number	Sample Type	Name and Address of Laboratory
-	Hexavalent Chromium	RTI Laboratories 31628 Glendale Livonia, MI – 48150 (732) 422-8000

Sample Dispatch Data (Table 2):

FedEx Airbill No.	Number of Coolers	Number and Type of Samples	Time and Date of Shipping
865342141739	1	10 Soil Samples	05/29/08 @ 19:00* To: Mitkem Corporation
865342141728	1	10 Soil Samples	05/29/08 @ 19:00* To: US EPA DESA
865342141717	1	10 Soil Samples	05/29/08 @ 19:00* To: RTI Laboratories

* Traffic Reports reflect estimated times of custody transfer
FedEx labels and Chain of Custody Records are presented in Attachment 2

Sampling Personnel (Table 3):

Name	Organization	Site Duties
Kevin Matheis	EPA	On-Scene Coordinator
Joel Siegel	RST 2	Site Project Manager, Sample Collection and Sample Management, Site QA/QC, Site H&S
Sayed Iqbal	RST 2	Sample Collection
Gary Boyer	RST 2	Sample Collection

Sample Collection Information (Table 4):

Laboratory	Analyses	Sample Type	CLP Sample #	Station Location	QA/QC
Mitkem Corporation	TCL Volatiles Semivolatiles	Soil	B4WE0	SSA-SB1-3-4	
			B4WE1	SSB-SB1-7-8	
			B4WE2	SSC-SB1-9-10	
			B4WE3	SSA-SB2-3-4	
			B4WE4	SSB-SB2-7-8	
			B4WE5	SSB-SB4-7-8	Duplicate of SS-SB2-7-8
			B4WE6	SSA-SB3-3-4	
			B4WE7	SSB-SB3-7-8	
			B4WE8	SSC-SB2-9-10	
			B4WE9	SSC-SB3-9-10	
			Lab Sample #	Station Location	QA/QC
US EPA DESA	TAL Metals, Mercury, Cyanide	Soil	1193-0009	SS-SB1-3-4	
			1193-0010	SS-SB1-7-8	
			1193-0011	SS-SB2-9-10	
			1193-0012	SS-SB2-3-4	
			1193-0013	SS-SB2-7-8	
			1193-0014	SS-SB3-9-10	
			1193-0015	SS-SB3-3-4	MS/MSD
			1193-0017	SS-SB3-7-8	
			1193-0018	SS-SB3-9-10	
			1193-0019	SS-SB4-7-8	Duplicate of SS-SB2-7-8
			Lab Sample #	Station Location	QA/QC
RTI Laboratories	Hexavalent Chromium	Soil	1193-0009	SS-SB1-3-4	
			1193-0010	SS-SB1-7-8	
			1193-0011	SS-SB2-9-10	
			1193-0012	SS-SB2-3-4	
			1193-0013	SS-SB2-7-8	
			1193-0014	SS-SB3-9-10	
			1193-0015	SS-SB3-3-4	MS/MSD
			1193-0017	SS-SB3-7-8	
			1193-0018	SS-SB3-9-10	
			1193-0019	SS-SB4-7-8	Duplicate of SS-SB2-7-8

Sample Collection Details (Table 5):

RST 2 Sample ID	CLP Number	Analytical	Sample Time	Sample Date	QA/QC	Boring	Sample Depth (ft)
SSA-SB1-3-4	B4WE0	TCL- VOCs & SVOCs	9:15	5/29/2008	-	SB-1	3 - 4
SSB-SB1-7-8	B4WE1	TCL- VOCs & SVOCs	9:25	5/29/2008	-	SB-1	7 - 8
SSC-SB1-9-10	B4WE2	TCL- VOCs & SVOCs	9:40	5/29/2008	-	SB-1	9 - 10
SSA-SB2-3-4	B4WE3	TCL- VOCs & SVOCs	10:30	5/29/2008	-	SB-2	3 - 4
SS-SB2-7-8	B4WE4	TCL- VOCs & SVOCs	10:45	5/29/2008	-	SB-2	7 - 8
SS-SB4-7-8	B4WE5	TCL- VOCs & SVOCs	11:30	5/29/2008	Duplicate of SS-SB-2-7-8	SB-2	7 - 8
SSA-SB3-3-4	B4WE6	TCL- VOCs & SVOCs	11:55	5/29/2008	-	SB-3	3 - 4
SS-SB3-7-8	B4WE7	TCL- VOCs & SVOCs	12:15	5/29/2008	-	SB-3	7 - 8
SSC-SB2-9-10	B4WE8	TCL- VOCs & SVOCs	11:10	5/29/2008	-	SB-2	9 - 10
SSC-SB3-9-10	B4WE9	TCL- VOCs & SVOCs	12:30	5/29/2008	-	SB-3	9 - 10
RST 2 Sample ID	Sample Number	Analytical Parameter	Sample Time	Sample Date	QA/QC	Boring	Sample Depth (ft)
SSA-SB1-3-4	1193-0009	Hexavalent Chromium, TAL Metals, Cyanide	9:15	5/29/2008	-	SB-1	3 - 4
SSB-SB1-7-8	1193-0010	Hexavalent Chromium, TAL Metals, Cyanide	9:25	5/29/2008	-	SB-1	7 - 8
SSC-SB1-9-10	1193-0011	Hexavalent Chromium, TAL Metals, Cyanide	9:40	5/29/2008	-	SB-1	9 - 10
SSA-SB2-3-4	1193-0012	Hexavalent Chromium, TAL Metals, Cyanide	10:30	5/29/2008	-	SB-2	3 - 4
SS-SB2-7-8	1193-0013	Hexavalent Chromium, TAL Metals, Cyanide	10:45	5/29/2008	-	SB-2	7 - 8
SS-SB4-7-8	1193-0019	Hexavalent Chromium, TAL Metals, Cyanide	11:30	5/29/2008	Duplicate of SS-SB-2-7-8	SB-2	7 - 8
SSA-SB3-3-4	1193-0015	Hexavalent Chromium, TAL Metals, Cyanide	11:55	5/29/2008	MS/MSD	SB-3	3 - 4
SS-SB3-7-8	1193-0017	Hexavalent Chromium, TAL Metals, Cyanide	12:15	5/29/2008	-	SB-3	7 - 8
SSC-SB2-9-10	1193-0014	Hexavalent Chromium, TAL Metals, Cyanide	11:10	5/29/2008	-	SB-2	9 - 10
SSC-SB3-9-10	1193-0018	Hexavalent Chromium, TAL Metals, Cyanide	12:30	5/29/2008	-	SB-3	9 - 10

TCL – Toxic Compound List
TAL – Toxic Analyte List
MS/MSD – Matrix Spike/Matrix Spike Duplicate
VOCs & SVOCs – Volatile and Semi-Volatile Organic Compounds

RST 2 Review of Data

RST 2 reviewed the data and found hexavalent chromium concentrations above the New York State Department of Environmental Conservation (NYDEC) Guidelines, Subpart 375-6.8, "Unrestricted Use Soil Cleanup Objectives" concentration of 1000µg/kg at two sample locations (Refer to Attachment 6). Sample No. 1193-009 identified hexavalent chromium at 3,100µg/kg and Sample No. 1193-009 at 1,400µg/kg. In addition, chromium exceeded the objective in Sample No. SS-SB1-3-4 with a concentration of 42 mg/kg and copper in SS-SB1-3-4 with a concentration of 84 mg/kg (Refer to Attachment 5). No volatile or semivolatile compounds exceeded NYSDEC 375-6.8, Unrestricted Use Soil Cleanup Objectives (Refer to Attachments 3 and 4). Attachment 7 provides NYSDEC 375-6.8(a) Unrestricted Use Soil Cleanup Objectives.

Report prepared by: _____ 11/14/08
Joel Siegel — Date
RST 2 Site Project Manager

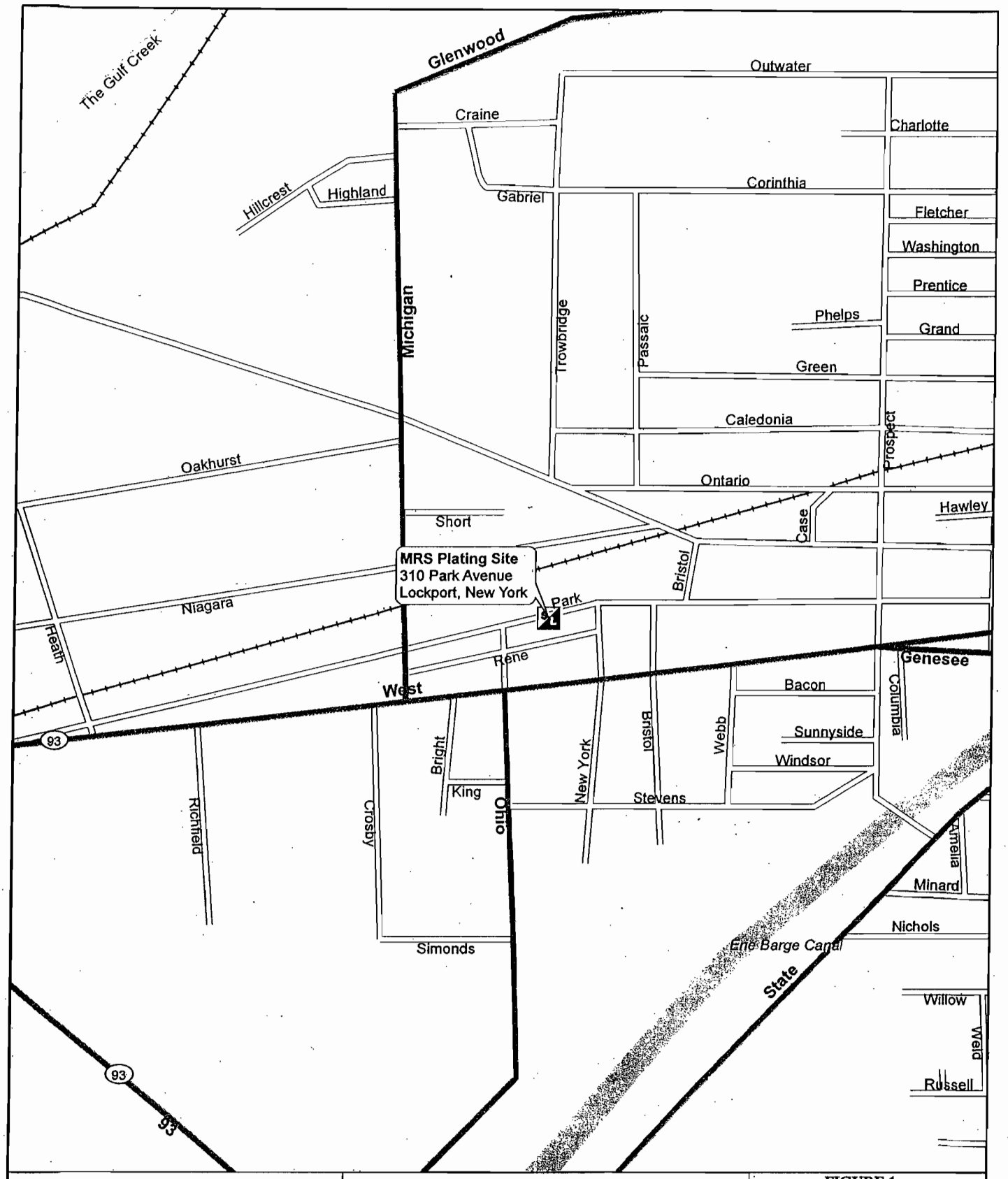
Report reviewed by: _____ 11/19/08
Jennifer Sy — Date
RST 2 Readiness Coordinator

List of Attachments

ATTACHMENT 1

FIGURE 1: SITE LOCATION MAP

FIGURE 2: SAMPLE LOCATIONS



Legend

SL Site Location

N

0 0.05 0.1 0.2 0.3 0.4 Miles

Weston Solutions, Inc.

In Association With
Scientific and Environmental Associates, Inc.,
Innovative Technical Solutions, Inc. and
Avatar Environmental LLC.

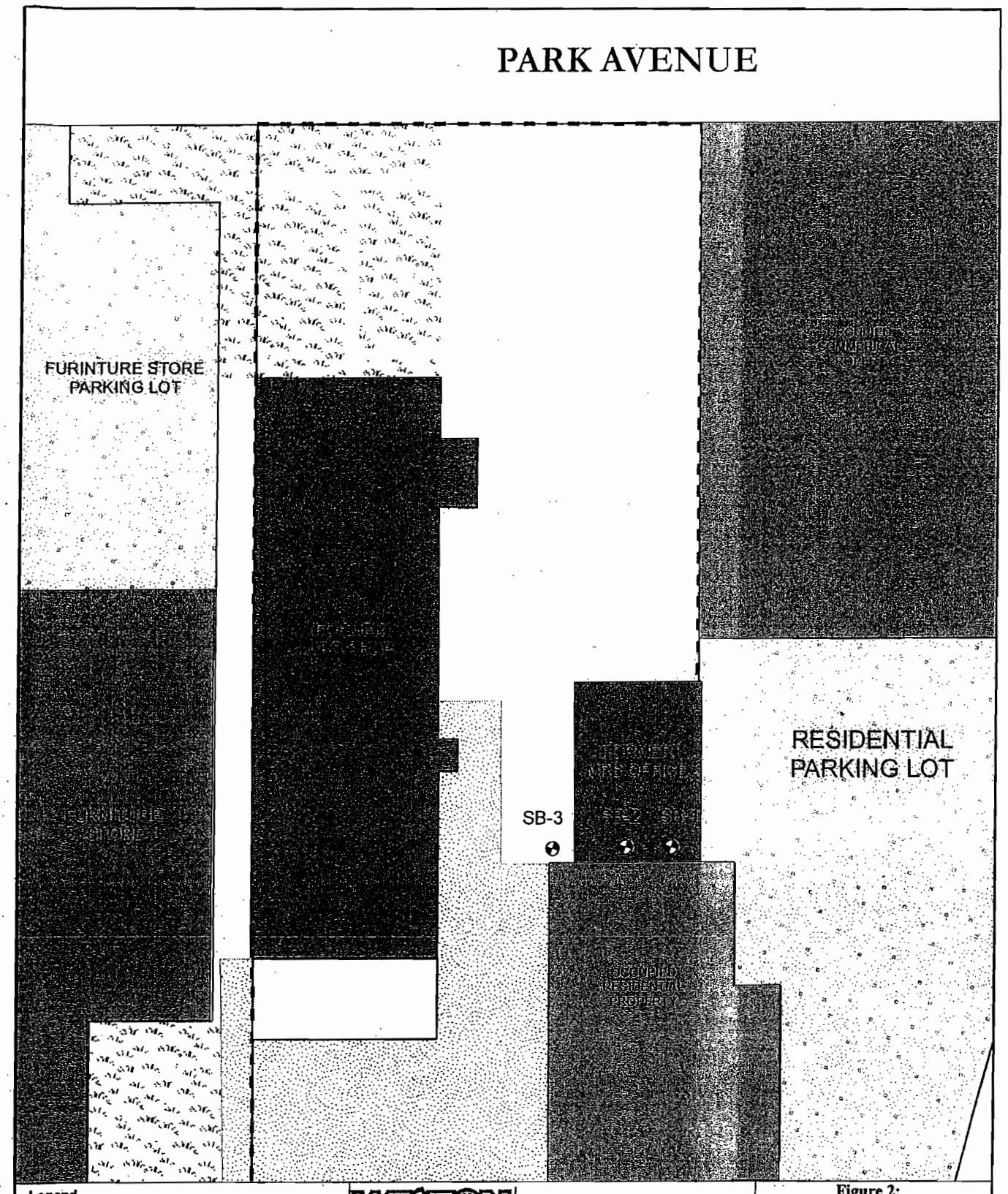
FIGURE 1:
SITE LOCATION MAP

MRS PLATING SITE
LOCKPORT, NEW YORK

U.S. ENVIRONMENTAL PROTECTION AGENCY
REMOVAL SUPPORT TEAM 2
CONTRACT # EP-W-06-072

DRAWN BY:	F. CAMPBEL
EPA OSC:	K. MATHEIS
RST SPM:	J. SIEGEL
FILENAME:	MRS PLATING.MXD

DATE MODIFIED: 07/13/2007



Weston Solutions, Inc.

In Association With
Innovative Technical Solutions, Inc.,
Scientific and Environmental Associates, Inc.
and Avatar Environmental, LLC.

Figure 2:
Sample Location Map

MRS PLATING SITE
LOCKPORT, NEW YORK

U.S. ENVIRONMENTAL PROTECTION AGENCY
REMOVAL SUPPORT TEAM 2
CONTRACT # EP-W-06-072

GIS ANALYST:	J. JAGER
EPA OSC:	K. MATHEIS
RST SPM:	J. SIEGEL
FILENAME:	SITEMAP.MXD

DATE MODIFIED: 09/02/2008

ATTACHMENT 2

FEDEX LABELS

CHAIN OF CUSTODY RECORDS

USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No: 37517
DAS No:
SDG No: L

Date Shipped:	5/29/2008
Carrier Name:	FedEx
Airbill:	8663342141740
Shipped to:	Mitkem Corporation 175 Metro Center Blvd. Warwick RI 02886 (401) 732-3400

Chain of Custody Record

	Relinquished By	(Date / Time)	Received By	(Date / Time)
1	[signature]	5/29/08 1930		
2				
3				
4				

Sampler Signature: [signature]

For Lab Use Only

Lab Contract No:
Unit Price:
Transfer To:
Lab Contract No:
Unit Price:

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		INORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
B4WE0	Soil/ Gary Boyer	M/G	%Moisture (21), BNA (Ice Only) (5) (21), VOA (21)		SSA-SB1-3-4	S:	5/29/2008 9:15		
B4WE1	Soil/ Gary Boyer	M/G	%Moisture (21), BNA (Ice Only) (5) (21), VOA (21)		SSB-SB1-7-8	S:	5/29/2008 9:25		
B4WE2	Soil/ Gary Boyer	M/G	%Moisture (21), BNA (Ice Only) (5) (21), VOA (21)		SSC-SB1-9-10	S:	5/29/2008 9:40		
B4WE3	Soil/ Gary Boyer	M/G	%Moisture (21), BNA (Ice Only) (5) (21), VOA (21)		SSA-SB2-3-4	S:	5/29/2008 10:30		
B4WE4	Soil/ Gary Boyer	M/G	%Moisture (21), BNA (Ice Only) (5) (21), VOA (21)		SSB-SB2-7-8	S:	5/29/2008 10:45		
B4WE5	Soil/ Gary Boyer	M/G	%Moisture (21), BNA (Ice Only) (5) (21), VOA (21)		SSB-SB4-7-8	S:	5/29/2008 11:30		
B4WE6	Soil/ Gary Boyer	M/G	%Moisture (21), BNA (Ice Only) (5) (21), VOA (21)		SSA-SB3-3-4	S:	5/29/2008 11:55		
B4WE7	Soil/ Gary Boyer	M/G	%Moisture (21), BNA (Ice Only) (5) (21), VOA (21)		SSB-SB3 7-8	S:	5/29/2008 12:15		
B4WE8	Soil/ Gary Boyer	M/G	%Moisture (21), BNA (Ice Only) (5) (21), VOA (21)		SSC-SB2-9-10	S:	5/29/2008 11:10		
B4WE9	Soil/ Gary Boyer	M/G	%Moisture (21), BNA (Ice Only) (5) (21), VOA (21)		SSC-SB3-9-10	S:	5/29/2008 12:30		

Shipment for Case Complete?N	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s): [signature]	Cooler Temperature Upon Receipt:	Chain of Custody Seal Number:
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G		Custody Seal Intact? ___ Shipment Iced? ___

%Moisture = PerCent Moisture, BNA = CLP TCL Semivolatiles, VOA = CLP TCL Volatiles

TR Number: 2-200338754-052908-0003

PR provides preliminary results. Requests for preliminary results will increase analytical costs.
Send Copy to: Sample Management Office, Attn: Heather Bauer, CSC, 15000 Conference Center Dr., Chantilly, VA 20151-3819; Phone 703/818-4200; Fax

LABORATORY COPY

FedEx® US Airbill Express

FedEx Tracking Number 8653 4214 1739

0200

Sender's Copy

From *Please print and press hard.*

Date 5/19/08 Sender's FedEx Account Number SENDER'S FEDEX ACCOUNT NUMBER ONLY

Sender's Name Joel Siegel Phone (732) 570-5022

Company Weston & Sampson

Address 1050 King Georges Post Rd 201

Dept./Floor/Suite/Room

City Edison State NJ ZIP 08837

Your Internal Billing Reference First 24 characters will appear on invoice. 20401.025.084.1193 OPTIONAL

To

Recipient's Name Heather Reynolds Phone (401) 732-3400

Company Metken Corporation

Recipient's Address 175 Metro Center Blvd

We cannot deliver to P.O. boxes or P.O. ZIP codes. Dept./Floor/Suite/Room

Address

To request a package be held at a specific FedEx location, print FedEx address here.

City Warwick State RI ZIP 02886

4a Express Package Service *Packages up to 150 lbs.*

- [X] FedEx Priority Overnight — Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] FedEx Standard Overnight — Next business afternoon.* Saturday Delivery NOT available.
- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations.* Saturday Delivery NOT available.
- [ ] FedEx 2Day — Second business day.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] FedEx Express Saver — Third business day.* Saturday Delivery NOT available.

FedEx Envelope rate not available. Minimum charge: One-pound rate. * To most locations.

4b Express Freight Service *Packages over 150 lbs.*

- [ ] FedEx 1Day Freight* — Next business day.** Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] FedEx 2Day Freight — Second business day.** Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] FedEx 3Day Freight — Third business day.** Saturday Delivery NOT available.

* Call for Confirmation: ** To most locations.

5 Packaging

- [ ] FedEx Envelope*
- [ ] FedEx Pak* — Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sturdy Pak.
- [ ] FedEx Box
- [ ] FedEx Tube
- [X] Other

* Declared value limit $500.

6 Special Handling Include FedEx address in Section 3.

- [ ] SATURDAY Delivery NOT Available for FedEx Standard Overnight, FedEx First Overnight, FedEx Express Saver, or FedEx 3Day Freight.
- [ ] HOLD Weekday at FedEx Location NOT Available for FedEx First Overnight.
- [ ] HOLD Saturday at FedEx Location Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

Does this shipment contain dangerous goods? One box must be checked.

- [X] No
- [ ] Yes — As per attached Shipper's Declaration.
- [ ] Yes — Shipper's Declaration not required.
- [ ] Dry Ice — Dry Ice, 9, UN 1845 ____ x ____ kg

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging.

- [ ] Cargo Aircraft Only

7 Payment *Bill to:* Enter FedEx Acct. No. or Credit Card No. below.

- [ ] Sender — Acct. No. in Section 1 will be billed.
- [ ] Recipient
- [X] Third Party
- [ ] Credit Card
- [ ] Cash/Check

FedEx Acct. No. / Credit Card No. 402356103 Exp. Date

Total Packages	Total Weight	Total Declared Value†
1	41	$ .00

†Our liability is limited to $100 unless you declare a higher value. See back for details. By using this Airbill you agree to the service conditions on the back of this Airbill and in the current FedEx Service Guide, including terms that limit our liability.

8 Residential Delivery Signature Options If you require a signature, check Direct or Indirect.

- [ ] No Signature Required — Package may be left without obtaining a signature for delivery.
- [ ] Direct Signature — Someone at recipient's address may sign for delivery. *Fee applies.*
- [ ] Indirect Signature — If no one is available at recipient's address, someone at a neighboring address may sign for delivery.

520

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Weston Solutions, Inc. RST 2

EPA Contract Number: EP-W-06-072
FedExAirbill: 865342141728

CHAIN OF CUSTODY RECORD
Site MRS
Contact Name: Joel Siegel
Contact Phone: 732-570-5022

No: 1193-05/29/08-0001
Cooler #: 1
Lab: DESA US EPA
Lab Phone: 732-906-6886

Lab #	Sample #	Location	Analyses	Matrix	Collected	Numb Cont	Container	Preservative	MS/MSD
	1193-0009	SS-SB1-3-4	TAL Metals, Hg, CN	Soil	5/29/2008	1	8 0z glass	4 C	N
	1193-0010	SS-SB1-7-8	TAL Metals, Hg, CN	Soil	5/29/2008	1	8 0z glass	4 C	N
	1193-0011	SS-SB1-9-10	TAL Metals, Hg, CN	Soil	5/29/2008	1	8 0z glass	4 C	N
	1193-0012	SS-SB2-3-4	TAL Metals, Hg, CN	Soil	5/29/2008	1	8 0z glass	4 C	N
	1193-0013	SS-SB2-7-8	TAL Metals, Hg, CN	Soil	5/29/2008	1	8 0z glass	4 C	N
	1193-0014	SS-SB2-9-10	TAL Metals, Hg, CN	Soil	5/29/2008	1	8 oz jar	4 C	N
	1193-0015	SS-SB3-3-4	TAL Metals, Hg, CN	Soil	5/29/2008	3	8 0z glass	4 C	Y
	1193-0017	SS-SB3-7-8	TAL Metals, Hg, CN	Soil	5/29/2008	1	8 0z glass	4 C	N
	1193-0018	SS-SB3-9-10	TAL Metals, Hg, CN	Soil	5/29/2008	1	8 0z glass	4 C	N
	1193-0019	SS-SB4-7-8	TAL Metals, Hg, CN	Soil	5/29/2008	1	8 0z glass	4 C	N

Special Instructions:

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #
1193-05/29/08-0001

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
	[signature]	5/29/08									

FedEx. US Airbill
Express

FedEx Tracking Number 8653 4214 1728

0200 Sender's Copy

From *Please print and press hard.*

Date 5/25/08 Sender's FedEx Account Number SENDER'S FEDEX ACCOUNT NUMBER ONLY

Sender's Name Joel Siegel Phone (732) 570-5022

Company Weston Solutions

Address 1090 King Georges Post Rd 201
Dept./Floor/Suite/Room

City Edison State NJ ZIP 08837

Your Internal Billing Reference 20401 .025 OPTIONAL 887.1193
First 24 characters will appear on invoice.

To

Recipient's Name John Birri Phone (732) 906-6886

Company USEPA Region 2

Recipient's Address 2890 Woodbridge Ave
We cannot deliver to P.O. boxes or P.O. ZIP codes. Dept./Floor/Suite/Room

Address Bldg 209 MS-230
To request a package be held at a specific FedEx location, print FedEx address here.

City EDISON State NJ ZIP 08837

4a Express Package Service *Packages up to 150 lbs.*

- [x] FedEx Priority Overnight — Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] FedEx Standard Overnight — Next business afternoon.* Saturday Delivery NOT available.
- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations.* Saturday Delivery NOT available.
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- [ ] FedEx Express Saver — Third business day.* Saturday Delivery NOT available.

FedEx Envelope rate not available. Minimum charge: One-pound rate. * To most locations.

4b Express Freight Service *Packages over 150 lbs.*

- [ ] FedEx 1Day Freight* — Next business day.** Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
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- [ ] FedEx 3Day Freight — Third business day.** Saturday Delivery NOT available.

* Call for Confirmation: ** To most locations.

5 Packaging

- [ ] FedEx Envelope*
- [ ] FedEx Pak* — Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sturdy Pak.
- [ ] FedEx Box
- [ ] FedEx Tube
- [x] Other

* Declared value limit $500.

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- [ ] SATURDAY Delivery NOT Available for FedEx Standard Overnight, FedEx First Overnight, FedEx Express Saver, or FedEx 3Day Freight.
- [ ] HOLD Weekday at FedEx Location NOT Available for FedEx First Overnight.
- [ ] HOLD Saturday at FedEx Location Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

Does this shipment contain dangerous goods? One box must be checked.

- [x] No
- [ ] Yes — As per attached Shipper's Declaration.
- [ ] Yes — Shipper's Declaration not required.
- [ ] Dry Ice — Dry Ice, 9, UN 1845 ____ x ____ kg

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging.

- [ ] Cargo Aircraft Only

7 Payment *Bill to:* — Enter FedEx Acct. No. or Credit Card No. below.

- [ ] Sender — Acct. No. in Section 1 will be billed.
- [ ] Recipient
- [x] Third Party
- [ ] Credit Card
- [ ] Cash/Check

FedEx Acct. No. / Credit Card No. 402356103 Exp. Date

Total Packages	Total Weight	Total Declared Value†
1	90	$ .00

†Our liability is limited to $100 unless you declare a higher value. See back for details. By using this Airbill you agree to the service conditions on the back of this Airbill and in the current FedEx Service Guide, including terms that limit our liability.

8 Residential Delivery Signature Options If you require a signature, check Direct or Indirect.

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- [ ] Indirect Signature — If no one is available at recipient's address, someone at a neighboring address may sign for delivery. *Fee applies.*

520

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Weston Solutions, Inc. RST 2
RFP# No. 064 P.O No.
EPA Contract Number: EP-W-06-072
FedExAirbill: 865342141717

CHAIN OF CUSTODY RECORD
Site MRS
Contact Name: Joel Siegel
Contact Phone: 732-570-5022

No: 1193-05/29/08-0002
Cooler #: 1
Lab: RTI Laboratories
Lab Phone: 734-442-8000

Lab #	Sample #	Location	Analyses	Matrix	Collected	Numb Cont	Container	Preservative	MS/MSD
	1193-0009	SS-SB1-3-4	Hexavalent Chromium [Cr(VI)]	Soil	5/29/2008	1	4 oz jar	4 C	N
	1193-0010	SS-SB1-7-8	Hexavalent Chromium [Cr(VI)]	Soil	5/29/2008	1	4 0z glass	4 C	N
	1193-0011	SS-SB1-9-10	Hexavalent Chromium [Cr(VI)]	Soil	5/29/2008	1	4 oz jar	4 C	N
	1193-0012	SS-SB2-3-4	Hexavalent Chromium [Cr(VI)]	Soil	5/29/2008	1	4 oz jar	4 C	N
	1193-0013	SS-SB2-7-8	Hexavalent Chromium [Cr(VI)]	Soil	5/29/2008	1	4 oz jar	4 C	N
	1193-0014	SS-SB2-9-10	Hexavalent Chromium [Cr(VI)]	Soil	5/29/2008	1	4 oz jar	4 C	N
	1193-0015	SS-SB3-3-4	Hexavalent Chromium [Cr(VI)]	Soil	5/29/2008	2	4 oz jar	4 C	Y
	1193-0017	SS-SB3-7-8	Hexavalent Chromium [Cr(VI)]	Soil	5/29/2008	1	4 oz jar	4 C	N
	1193-0018	SS-SB3-9-10	Hexavalent Chromium [Cr(VI)]	Soil	5/29/2008	1	4 oz jar	4 C	N
	1193-0019	SS-SB4-7-8	Hexavalent Chromium [Cr(VI)]	Soil	5/29/2008	1	4 oz jar	4 C	N

Special Instructions:

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #
1193-05/29/08-0002

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
	Joel Smith	5/29/08	[illegible]								

FedEx. US Airbill
Express

FedEx Tracking Number 8653 4214 1717

4200 **Sender's Copy**

From *Please print and press hard.*

Date 5/29/08 Sender's FedEx Account Number SENDER'S FEDEX ACCOUNT NUMBER ONLY

Sender's Name Joel Siegel Phone (732) 590-5622

Company Weston Solutions

Address 2090 King Georges Post Rd 201
Dept./Floor/Suite/Room

City EDISON State NJ ZIP 08837

Your Internal Billing Reference 20401.075.0007.1193
First 24 characters will appear on invoice.

To

Recipient's Name Jennifer Hardy Phone (734) 422-8000

Company RTI Laboratories

Recipient's Address 3628 Glendale
We cannot deliver to P.O. boxes or P.O. ZIP codes. Dept./Floor/Suite/Room

Address
To request a package be held at a specific FedEx location, print FedEx address here.

City Livonia State MI ZIP 48150

4a Express Package Service *Packages up to 150 lbs.*

- [X] FedEx Priority Overnight — Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] FedEx Standard Overnight — Next business afternoon.* Saturday Delivery NOT available.
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FedEx Envelope rate not available. Minimum charge: One-pound rate. * To most locations.

4b Express Freight Service *Packages over 150 lbs.*

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* Call for Confirmation: ** To most locations.

5 Packaging

- [ ] FedEx Envelope*
- [ ] FedEx Pak* — Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sturdy Pak.
- [ ] FedEx Box
- [ ] FedEx Tube
- [X] Other

* Declared value limit $500.

6 Special Handling — Include FedEx address in Section 3.

- [ ] SATURDAY Delivery NOT Available for FedEx Standard Overnight, FedEx First Overnight, FedEx Express Saver, or FedEx 3Day Freight.
- [ ] HOLD Weekday at FedEx Location NOT Available for FedEx First Overnight.
- [ ] HOLD Saturday at FedEx Location Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

Does this shipment contain dangerous goods? One box must be checked.

- [X] No
- [ ] Yes — As per attached Shipper's Declaration.
- [ ] Yes — Shipper's Declaration not required.
- [ ] Dry Ice — Dry Ice, 9, UN 1845 ____ x ____ kg
- [ ] Cargo Aircraft Only

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging.

7 Payment *Bill to:* Enter FedEx Acct. No. or Credit Card No. below.

- [ ] Sender — Acct. No. in Section 1 will be billed.
- [ ] Recipient
- [X] Third Party
- [ ] Credit Card
- [ ] Cash/Check

FedEx Acct. No. / Credit Card No. 402356103 Exp. Date

Total Packages	Total Weight	Total Declared Value†
		$ .00

†Our liability is limited to $100 unless you declare a higher value. See back for details. By using this Airbill you agree to the service conditions on the back of this Airbill and in the current FedEx Service Guide, including terms that limit our liability.

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- [ ] Indirect Signature — If no one is available at recipient's address, someone at a neighboring address may sign for delivery. *Fee applies.*

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ATTACHMENT 3

VOLATILE ORGANIC COMPOUNDS
DATA TABLE

ATTACHMENT 3
Volatile Organic Compounds

Volatile Organic Compounds	RST 2 ID	SSA-SB1-3-4	Qual	SSB-SB1-7-8	Qual	SSC-SB1-9-10	Qual	*Subpart 375-6.8(a): Unrestricted Use Soil Cleanup Objectives
	CLP ID	B4WE0		B4WE1		B4WE2		
	Depth	3'-4'		7'-8'		9'-10'		
Dichlorodifluoromethane		5.4	U	5	U	4.8	U	
Chloromethane		5	U	5	U	4.8	U	
Vinyl chloride [f]		5.4	U	5	U	4.8	U	**20**
Bromomethane		5.4	U	5	U	4.8	U	
Chloroethane		5.4	U	5	U	4.8	U	
Trichlorofluoromethane		5.4	U	5	U	4.8	U	
1,1-Dichloroethene [f]		5.4	U	5	U	4.8	U	**330**
1,1,2-Trichloro-1,2,2-trifluoroethane		5.4	U	5	U	4.8	U	
Acetone		11	U	10	U	9.7	U	**50**
Carbon disulfide		5.4	U	5	U	4.8	U	
Methyl acetate		5.4	U	5	U	4.8	U	
Methylene chloride		5.4	U	5	U	4.8	U	**50**
trans-1,2-Dichloroethene [f]		5.4	U	5	U	4.8	U	**190**
Methyl tert-butyl ether [f]		5.4	U	5	U	4.8	U	**930**
1,1-Dichloroethane [f]		5.4	U	5	U	4.8	U	**270**
cis-1,2-Dichloroethene [f]		5.4	U	5	U	4.8	U	**250**
2-Butanone		11	U	10	U	9.7	U	
Bromochloromethane		5.4	U	5	U	4.8	U	
Chloroform		5.4	U	2.6	U	2.4	J	**370**
1,1,1-Trichloroethane [f]		5.4	U	5	U	4.8	U	**680**
Cyclohexane		5.4	U	5	U	4.8	U	
Carbon tetrachloride [f]		5.4	U	5	U	4.8	U	**760**
Benzene		5.4	U	5	U	4.8	U	**60**
1,2-Dichloroethane		5.4	U	5	U	4.8	U	**20** [c]
1,4-Dioxane		110	R	100	R	97	R	**100** [b]
Trichloroethene		5.4	U	5	U	4.8	U	
Methylcyclohexane		5.4	U	5	U	4.8	U	
1,2-Dichloropropane		5.4	U	5	U	4.8	U	
Bromodichloromethane		5.4	U	5	U	4.8	U	
cis-1,3-Dichloropropene		5.4	U	5	U	4.8	U	
4-Methyl-2-pentanone		11	U	10	U	9.7	U	
Toluene		5.4	U	5	U	4.8	U	**700**
trans-1,3-Dichloropropene		5.4	U	5	U	4.8	U	
1,1,2-Trichloroethane		5.4	U	5	U	4.8	U	
Tetrachloroethene		5.4	U	5	U	4.8	U	**1300**

*Table taken from Title 6 of the Official Compilation of New York Codes, Rules, and Regulations.
NOTE: All Results in UG/KG (parts per billion)
Qual = Validator Qualifier
U - Not Detected
J - Estimated Value
R - Rejected by Data Validator
BOLD - Exceeds Soil Cleanup Criteria

ATTACHMENT 3
Volatile Organic Compounds

Volatile Organic Compounds	RST 2 ID	SSA-SB1-3-4 Qual		SSB-SB1-7-8 Qual		SSC-SB1-9-10 Qual		Subpart 375-6.8(a): Unrestricted Use Soil Cleanup Objectives
	CLP ID	B4WE0		B4WE1		B4WE2		
	Depth	3'-4'		7'-8'		9'-10'		
2-Hexanone		11	U	10	U	9.7	U	
Dibromochloromethane		5.4	U	5	U	4.8	U	
1,2-Dibromoethane		5.4	U	5	U	4.8	U	
Chlorobenzene		5.4	U	5	U	4.8	U	**1100**
Ethylbenzene [f]		5.4	U	5	U	4.8	U	**1000**
o-Xylene		5.4	U	5	U	4.8	U	**260 (Total Xylenes)**
m,p-Xylene		5.4	U	5	U	4.8	U	**260 (Total Xylenes)**
Styrene		5.4	U	5	U	4.8	U	
Bromoform		5.4	U	5	U	4.8	U	
Isopropylbenzene		5.4	U	5	U	4.8	U	
1,1,2,2-Tetrachloroethane		5.4	U	5	U	4.8	U	
1,3-Dichlorobenzene [f]		5.4	U	5	U	4.8	U	**240**
1,4-Dichlorobenzene		5.4	U	5	U	4.8	U	**1800**
1,2-Dichlorobenzene [f]		5.4	U	5	U	4.8	U	**1100**
1,2-Dibromo-3-chloropropane		5.4	U	5	U	4.8	U	
1,2,4-Trichlorobenzene		5.4	U	5	U	4.8	U	
1,2,3-Trichlorobenzene		5.4	U	5	U	4.8	U	

*Table taken from Title 6 of the Official Compilation of New York Codes, Rules, and Regulations.
NOTE: All Results in UG/KG (parts per billion)
Qual = Validator Qualifier
U - Not Detected
J - Estimated Value
R - Rejected by Data Validator

ATTACHMENT 3
Volatile Organic Compounds

Volatile Organic Compounds	RST 2 ID	SSA-SB2-3-4 Qual		SSB-SB2-7-8 Qual		SSB-SB4-7-8 Qual		*Subpart 375-6.8(a): Unrestricted Use Soil Cleanup Objectives
	CLP ID	B4WE3		B4WE4		B4WE5		
	Depth	3'-4'		7'-8'		7'-8'		
Dichlorodifluoromethane		5.5	U	4.8	U	4.9	U	
Chloromethane		5.5	U	4.8	U	4.9	U	
Vinyl chloride		5.5	U	4.8	U	4.9	U	**20**
Bromomethane		5.5	U	4.8	U	4.9	U	
Chloroethane		5.5	U	4.8	U	4.9	U	
Trichlorofluoromethane		5.5	U	4.8	U	4.9	U	
1,1-Dichloroethene		5.5	U	4.8	U	4.9	U	**330**
1,1,2-Trichloro-1,2,2-trifluoroethane		5.5	U	4.8	U	4.9	U	
Acetone		11	U	9.6	U	9.7	U	**50**
Carbon disulfide		5.5	U	4.8	U	4.9	U	
Methyl acetate		5.5	U	4.8	U	4.9	U	
Methylene chloride		5.5	U	4.8	U	4.9	U	**50**
trans-1,2-Dichloroethene		5.5	U	4.8	U	4.9	U	**190**
Methyl tert-butyl ether		5.5	U	4.8	U	4.9	U	**930**
1,1-Dichloroethane		5.5	U	4.8	U	4.9	U	**270**
cis-1,2-Dichloroethene		5.5	U	4.8	U	4.9	U	**250**
2-Butanone		11	U	9.6	U	9.7	U	
Bromochloromethane		5.5	U	4.8	U	4.9	U	
Chloroform		2.4	J	2.2	J	2.5	J	**370**
1,1,1-Trichloroethane		5.5	U	4.8	U	4.9	U	**680**
Cyclohexane		5.5	U	4.8	U	4.9	U	
Carbon tetrachloride		5.5	U	4.8	U	4.9	U	**760**
Benzene		5.5	U	4.8	U	4.9	U	**60**
1,2-Dichloroethane		5.5	U	4.8	U	4.9	U	**20** [c]
1,4-Dioxane		110	R	96	R	97	R	**100** [b]
Trichloroethene		5.5	U	4.8	U	4.9	U	
Methylcyclohexane		5.5	U	4.8	U	4.9	U	
1,2-Dichloropropane		5.5	U	4.8	U	4.9	U	
Bromodichloromethane		5.5	U	4.8	U	4.9	U	
cis-1,3-Dichloropropene		5.5	U	4.8	U	4.9	U	
4-Methyl-2-pentanone		11	U	9.6	U	9.7	U	
Toluene		5.5	U	4.8	U	4.9	U	**700**
trans-1,3-Dichloropropene		5.5	U	4.8	U	4.9	U	
1,1,2-Trichloroethane		5.5	U	4.8	U	4.9	U	
Tetrachloroethene		5.5	U	4.8	U	4.9	U	**1300**

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BOLD - Exceeds Soil Cleanup Criteria

ATTACHMENT 3
Volatile Organic Compounds

Volatile Organic Compounds	RST 2 ID	SSA-SB2-3-4 Qual		SSB-SB2-7-8 Qual		SSB-SB4-7-8 Qual		*Subpart 375-6.8(a): Unrestricted Use Soil Cleanup Objectives
	CLP ID	B4WE3		B4WE4		B4WE5		
	Depth	3'-4'		7'-8'		7'-8'		
2-Hexanone		11	U	9.6	U	9.7	U	
Dibromochloromethane		5.5	U	4.8	U	4.9	U	
1,2-Dibromoethane		5.5	U	4.8	U	4.9	U	
Chlorobenzene		5.5	U	4.8	U	4.9	U	**1100**
Ethylbenzene		5.5	U	4.8	U	4.9	U	**1000**
o-Xylene		5.5	U	4.8	U	4.9	U	**260 (Total Xylenes)**
m,p-Xylene		5.5	U	4.8	U	4.9	U	**260 (Total Xylenes)**
Styrene		5.5	U	4.8	U	4.9	U	
Bromoform		5.5	U	4.8	U	4.9	U	
Isopropylbenzene		5.5	U	4.8	U	4.9	U	
1,1,2,2-Tetrachloroethane		5.5	U	4.8	U	4.9	U	
1,3-Dichlorobenzene		5.5	U	4.8	U	4.9	U	**240**
1,4-Dichlorobenzene		5.5	U	4.8	U	4.9	U	**1800**
1,2-Dichlorobenzene		5.5	U	4.8	U	4.9	U	**1100**
1,2-Dibromo-3-chloropropane		5.5	U	4.8	U	4.9	U	
1,2,4-Trichlorobenzene		5.5	U	4.8	U	4.9	U	
1,2,3-Trichlorobenzene		5.5	U	4.8	U	4.9	U	

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ATTACHMENT 3
Volatile Organic Compounds

Volatile Organic Compounds	RST 2 ID	SSA-SB3-3-4 Qual	SSB-SB3 7-8 Qual	SSC-SB2-9-10 Qual	*Subpart 375-6.8(a): Unrestricted Use Soil Cleanup Objectives
	CLP ID	B4WE6	B4WE7	B4WE8	
	Depth	3-4'	7'-8'	9'-10'	
Dichlorodifluoromethane		5.2 U	4.8 U	4.6 U	
Chloromethane		5.2 U	4.8 U	4.6 U	
Vinyl chloride		5.2 U	4.8 U	4.6 U	20
Bromomethane		5.2 U	4.8 U	4.6 U	
Chloroethane		5.2 U	4.8 U	4.6 U	
Trichlorofluoromethane		5.2 U	4.8 U	4.6 U	
1,1-Dichloroethene		5.2 U	4.8 U	4.6 U	330
1,1,2-Trichloro-1,2,2-trifluoroethane		5.2 U	4.8 U	4.6 U	
Acetone		17 U	9.5 U	9.3 U	50
Carbon disulfide		5.2 U	4.8 U	4.6 U	
Methyl acetate		5.2 U	4.8 U	4.6 U	
Methylene chloride		5.2 U	4.8 U	4.6 U	50
trans-1,2-Dichloroethene		5.2 U	4.8 U	4.6 U	190
Methyl tert-butyl ether		5.2 U	4.8 U	4.6 U	930
1,1-Dichloroethane		5.2 U	4.8 U	4.6 U	270
cis-1,2-Dichloroethene		5.2 U	4.8 J	4.6 U	250
2-Butanone		10 U	9.5 U	9.3 U	
Bromochloromethane		5.2 U	4.8 U	4.6 U	
Chloroform		5.2 U	4.8 U	2.5 J	370
1,1,1-Trichloroethane		5.2 U	4.8 U	4.6 U	680
Cyclohexane		5.2 UJ	4.8 U	4.6 U	
Carbon tetrachloride		5.2 U	4.8 U	4.6 U	760
Benzene		5.2 UJ	4.8 U	4.6 U	60
1,2-Dichloroethane		5.2 U	4.8 U	4.6 U	20 [c]
1,4-Dioxane		100 R	95 R	93 R	100 [b]
Trichloroethene		5.2 UJ	4.8	4.6 U	
Methylcyclohexane		5.2 UJ	4.8 U	4.6 U	
1,2-Dichloropropane		5.2 UJ	4.8 U	4.6 U	
Bromodichloromethane		5.2 UJ	4.8 U	4.6 U	
cis-1,3-Dichloropropene		5.2 U	4.8 U	4.6 U	
4-Methyl-2-pentanone		10 U	9.5 U	9.3 U	
Toluene		5.2 UJ	4.8 U	4.6 U	700
trans-1,3-Dichloropropene		5.2 U	4.8 U	4.6 U	
1,1,2-Trichloroethane		5.2 U	4.8 U	4.6 U	
Tetrachloroethene		5.2 UJ	4.8 U	4.6 U	1300

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ATTACHMENT 3
Volatile Organic Compounds

Volatile Organic Compounds	RST 2 ID	SSA-SB3-3-4 Qual	SSB-SB3 7-8 Qual	SSC-SB2-9-10 Qual	*Subpart 375-6.8(a): Unrestricted Use Soil Cleanup Objectives
	CLP ID	B4WE6	B4WE7	B4WE8	
	Depth	3'-4'	7'-8'	9'-10'	
2-Hexanone		10 U	9.5 U	9.3 U	
Dibromochloromethane		5.2 U	4.8 U	4.6 U	
1,2-Dibromoethane		5.2 U	4.8 U	4.6 U	
Chlorobenzene		5.2 U	4.8 U	4.6 U	**1100**
Ethylbenzene		5.2 U	4.8 U	4.6 U	**1000**
o-Xylene		5.2 U	4.8 U	4.6 U	**260 (Total Xylenes)**
m,p-Xylene		5.2 U	4.8 U	4.6 U	**260 (Total Xylenes)**
Styrene		5.2 U	4.8 U	4.6 U	
Bromoform		5.2 U	4.8 U	4.6 U	
Isopropylbenzene		5.2 U	4.8 U	4.6 U	
1,1,2,2-Tetrachloroethane		5.2 U	4.8 U	4.6 U	
1,3-Dichlorobenzene		5.2 U	4.8 U	4.6 U	**240**
1,4-Dichlorobenzene		5.2 U	4.8 U	4.6 U	**1800**
1,2-Dichlorobenzene		5.2 U	4.8 U	4.6 U	**1100**
1,2-Dibromo-3-chloropropane		5.2 U	4.8 U	4.6 U	
1,2,4-Trichlorobenzene		5.2 U	4.8 U	4.6 U	
1,2,3-Trichlorobenzene		5.2 U	4.8 U	4.6 U	

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ATTACHMENT 3
Volatile Organic Compounds

Volatile Organic Compounds	RST 2 ID	SSC-SB3-9-10 Qual		*Subpart 375-6.8(a): Unrestricted Use Soil Cleanup Objectives
	CLP ID	B4WE9		
	Depth	9'-10'		
Dichlorodifluoromethane		4.7	U	
Chloromethane		4.7	U	
Vinyl chloride		4.7	U	20
Bromomethane		4.7	U	
Chloroethane		4.7	U	
Trichlorofluoromethane		4.7	U	
1,1-Dichloroethene		4.7	U	330
1,1,2-Trichloro-1,2,2-trifluoroethane		4.7	U	
Acetone		9.4	U	50
Carbon disulfide		4.7	U	
Methyl acetate		4.7	U	
Methylene chloride		4.7	U	50
trans-1,2-Dichloroethene		4.7	U	190
Methyl tert-butyl ether		4.7	U	930
1,1-Dichloroethane		4.7	U	270
cis-1,2-Dichloroethene		4.7	U	250
2-Butanone		9.4	U	
Bromochloromethane		4.7	U	
Chloroform		2	J	370
1,1,1-Trichloroethane		4.7	U	680
Cyclohexane		4.7	U	
Carbon tetrachloride		4.7	U	760
Benzene		4.7	U	60
1,2-Dichloroethane		4.7	U	20 [c]
1,4-Dioxane		94	R	100 [b]
Trichloroethene		4.7	U	
Methylcyclohexane		4.7	U	
1,2-Dichloropropane		4.7	U	
Bromodichloromethane		4.7	U	
cis-1,3-Dichloropropene		4.7	U	
4-Methyl-2-pentanone		9.4	U	
Toluene		4.7	U	700
trans-1,3-Dichloropropene		4.7	U	
1,1,2-Trichloroethane		4.7	U	
Tetrachloroethene		4.7	U	1300

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ATTACHMENT 3
Volatile Organic Compounds

Volatile Organic Compounds	RST 2 ID	SSC-SB3-9-10	Qual	*Subpart 375-6.8(a): Unrestricted Use Soil Cleanup Objectives
	CLP ID	B4WE9		
	Depth	9'-10'		
2-Hexanone		9.4	U	
Dibromochloromethane		4.7	U	
1,2-Dibromoethane		4.7	U	
Chlorobenzene		4.7	U	**1100**
Ethylbenzene		4.7	U	**1000**
o-Xylene		4.7	U	**260 (Total Xylenes)**
m,p-Xylene		3.5	J	**260 (Total Xylenes)**
Styrene		4.7	U	
Bromoform		4.7	U	
Isopropylbenzene		4.7	U	
1,1,2,2-Tetrachloroethane		4.7	U	
1,3-Dichlorobenzene		4.7	U	**240**
1,4-Dichlorobenzene		4.7	U	**1800**
1,2-Dichlorobenzene		4.7	U	**1100**
1,2-Dibromo-3-chloropropane		4.7	U	
1,2,4-Trichlorobenzene		4.7	U	
1,2,3-Trichlorobenzene		4.7	U	

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Footnotes:

a: The Soil Sleanup Objecjectives (SCOs) used were capped at a maximum value of 100 ppm (100000 ppb)

b: For constituents where the calculated SCO was lower than the contract required quantitation limit (CRQL), the CRQL is used as the Track 1 SCO value.

c: For constituednt where the calculated SCO was lower than the rural soil background concentration, as determined by the Department of Health rural soil survey, the rural soil background concentration is issued as the Track 1 SCO value for this use of the Site.

d: SCO if the sum of endosulfan I, ensdosulfan II and endosulfan sulfate.

e: The SCO for this specific compound (or family of compounds) is considered to be met if the analysis for the toatl species of this contaminant is below the specific SCO.

f: Protection of ecological resources SCOs were not developed for contaminant identified inn Table 375-6.8(b) with "NS". Where such contaminants appear in Table 375-6.8(a), the applicant may be required by the Department to calculate a protection of ecological resources SCO according to the TSD.

ATTACHMENT 4

SEMI-VOLATILE ORGANIC COMPOUNDS
DATA TABLE

ATTACHMENT 4
Semivolatile Organic Compounds

Semivolatile Organic Compounds	RST 2 ID	SSA-SB1-3-4 Qual		SSB-SB1-7-8 Qual		SSC-SB1-9-10 Qual		SSA-SB2-3-4 Qu		SSB-SB2-7-8 Qual		*Subpart 375-6.8(a): Unrestricted Use Soil Cleanup Objectives
	CLP ID	B4WE0		B4WE1		B4WE2		B4WE3		B4WE4		
	Depth	3'-4'		7'-8'		9'-10'		3'-4'		7'-8'		
Benzaldehyde		210	U	190	U	190	U	200	U	190	U	
Phenol		210	U	190	U	190	U	200	U	190	U	**330** [b]
Bis(2-chloroethyl)ether		210	U	190	U	190	U	200	U	190	U	
2-Chlorophenol		210	U	190	U	190	U	200	U	190	U	
2-Methylphenol		210	U	190	U	190	U	200	U	190	U	
2,2'-Oxybis(1-chloropropane)		210	U	190	U	190	U	200	U	190	U	
Acetophenone		210	U	190	U	190	U	200	U	190	U	
4-Methylphenol		210	U	190	U	190	U	200	U	190	U	
N-Nitroso-di-n-propylamine		210	U	190	U	190	U	200	U	190	U	
Hexachloroethane		210	U	190	U	190	U	200	U	190	U	
Nitrobenzene		210	U	190	U	190	U	200	U	190	U	
Isophorone		210	U	190	U	190	U	200	U	190	U	
2-Nitrophenol		210	U	190	U	190	U	200	U	190	U	
2,4-Dimethylphenol		210	U	190	U	190	U	200	U	190	U	
Bis(2-chloroethoxy)methane		210	U	190	U	190	U	200	U	190	U	
2,4-Dichlorophenol		210	U	190	U	190	U	200	U	190	U	
Naphthalene [f]		210	U	190	U	190	U	200	U	190	U	**12000**
4-Chloroaniline		210	U	190	U	190	U	200	U	190	U	
Hexachlorobutadiene		210	U	190	U	190	U	200	U	190	U	
Caprolactam		210	U	190	U	190	U	200	U	190	U	
4-Chloro-3-methylphenol		210	U	190	U	190	U	200	U	190	U	
2-Methylnaphthalene		210	U	190	U	190	U	200	U	190	U	
Hexachlorocyclopentadiene		210	U	190	U	190	U	200	U	190	U	
2,4,6-Trichlorophenol		210	U	190	U	190	U	200	U	190	U	
2,4,5-Trichlorophenol		210	U	190	U	190	U	200	U	190	U	
1,1'-Biphenyl		210	U	190	U	190	U	200	U	190	U	
2-Chloronaphthalene		210	U	190	U	190	U	200	U	190	U	
2-Nitroaniline		420	U	370	U	370	U	390	U	360	U	
Dimethylphthalate		210	U	190	U	190	U	200	U	190	U	
2,6-Dinitrotoluene		210	U	190	U	190	U	200	U	190	U	
Acenaphthylene [f]		210	U	190	U	190	U	200	U	190	U	**100000** [a]
3-Nitroaniline		420	U	370	U	370	U	390	U	360	U	
Acenaphthene		210	U	190	U	190	U	200	U	190	U	**20000**
2,4-Dinitrophenol		420	U	370	U	370	U	390	U	360	U	

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ATTACHMENT 4
Semivolatile Organic Compounds

Semivolatile Organic Compounds	RST 2 ID	SSA-SB1-3-4 Qual		SSB-SB1-7-8 Qual		SSC-SB1-9-10 Qual		SSA-SB2-3-4 Qua		SSB-SB2-7-8 Qual		*Subpart 375-6.8(a): Unrestricted Use Soil Cleanup Objectives
	CLP ID	B4WE0		B4WE1		B4WE2		B4WE3		B4WE4		
	Depth	3'-4'		7'-8'		9'-10'		3'-4'		7'-8'		
4-Nitrophenol		420	U	370	U	370	U	390	U	360	U	
Dibenzofuran		210	U	190	U	190	U	200	U	190	U	
2,4-Dinitrotoluene		210	U	190	U	190	U	200	U	190	U	
Diethylphthalate		210	U	190	U	190	U	200	U	190	U	
Fluorene		210	U	190	U	190	U	200	U	190	U	**30000**
4-Chlorophenyl-phenylether		210	U	190	U	190	U	200	U	190	U	
4-Nitroaniline		420	U	370	U	370	U	390	U	360	U	
4,6-Dinitro-2-methylphenol		420	U	370	U	370	U	390	U	360	U	
N-Nitrosodiphenylamine		210	U	190	U	190	U	200	U	190	U	
1,2,4,5-Tetrachlorobenzene		210	U	190	U	190	U	200	U	190	U	
4-Bromophenyl-phenylether		210	U	190	U	190	U	200	U	190	U	
Hexachlorobenzene		210	U	190	U	190	U	200	U	190	U	
Atrazine		210	U	190	U	190	U	200	U	190	U	
Pentachlorophenol		420	U	370	U	370	U	390	U	360	U	**800** [b]
Phenanthrene [f]		210	U	19	J	190	U	200	U	190	U	**100000**
Anthracene [f]		210	U	190	U	190	U	200	U	190	U	**100000** [a]
Carbazole		210	U	190	U	190	U	200	U	190	U	
Di-n-butylphthalate		210	U	190	U	190	U	200	U	190	U	
Fluoranthene [f]		210	U	190	U	190	U	200	U	190	U	**100000** [a]
Pyrene [f]		210	U	19	J	190	U	200	U	190	U	**100000**
Butylbenzylphthalate		210	U	190	U	190	U	200	U	190	U	
3,3'-Dichlorobenzidine		210	U	190	U	190	U	200	U	190	U	
Benzo(a)anthracene [f]		210	U	190	U	190	U	200	U	190	U	**1000** [c]
Chrysene [f]		210	U	190	U	190	U	200	U	190	U	**1000** [c]
Bis(2-ethylhexyl)phthalate		210	U	570	U	190	U	200	U	190	U	
Di-n-octylphthalate		210	U	190	U	190	U	200	U	190	U	
Benzo(b)fluoranthene [f]		210	U	190	U	190	U	200	U	190	U	**1000** [c]
Benzo(k)fluoranthene [f]		210	U	190	U	190	U	200	U	190	U	**800** [c]
Benzo(a)pyrene		210	U	190	U	190	U	200	U	190	U	**1000** [c]
Indeno(1,2,3-cd)pyrene [f]		210	U	190	U	190	U	200	U	190	U	**500** [c]
Dibenzo(a,h)anthracene [f]		210	U	190	U	190	U	200	U	190	U	**330** [b]
Benzo(g,h,i)perylene [f]		210	U	190	U	190	U	200	U	190	U	**100000**
2,3,4,6-Tetrachlorophenol		210	U	190	U	190	U	200	U	190	U	

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ATTACHMENT 4
Semivolatile Organic Compounds

Semivolatile Organic Compounds	RST 2 ID	SSB-SB4-7-8 Qual		SSA-SB3-3-4 Qual		SSB-SB3 7-8 Qual		*Subpart 375-6.8(a): Unrestricted Use Soil Cleanup Objectives
	CLP ID	B4WE5		B4WE6		B4WE7		
	Depth	7'-8'		3'-4'		7'-8'		
Benzaldehyde		190	U	200	U	190	U	
Phenol		190	U	200	U	190	U	**330** [b]
Bis(2-chloroethyl)ether		190	U	200	U	190	U	
2-Chlorophenol		190	U	200	U	190	U	
2-Methylphenol		190	U	200	U	190	U	
2,2'-Oxybis(1-chloropropane)		190	U	200	U	190	U	
Acetophenone		190	U	200	U	190	U	
4-Methylphenol		190	U	200	U	190	U	
N-Nitroso-di-n-propylamine		190	U	200	U	190	U	
Hexachloroethane		190	U	200	U	190	U	
Nitrobenzene		190	U	200	U	190	U	
Isophorone		190	U	200	U	190	U	
2-Nitrophenol		190	U	200	U	190	U	
2,4-Dimethylphenol		190	U	200	U	190	U	
Bis(2-chloroethoxy)methane		190	U	200	U	190	U	
2,4-Dichlorophenol		190	U	200	U	190	U	
Naphthalene [f]		190	U	200	U	190	U	**12000**
4-Chloroaniline		190	U	200	U	190	U	
Hexachlorobutadiene		190	U	200	U	190	U	
Caprolactam		190	U	200	U	190	U	
4-Chloro-3-methylphenol		190	U	200	U	190	U	
2-Methylnaphthalene		190	U	200	U	190	U	
Hexachlorocyclopentadiene		190	U	200	U	190	U	
2,4,6-Trichlorophenol		190	U	200	U	190	U	
2,4,5-Trichlorophenol		190	U	200	U	190	U	
1,1'-Biphenyl		190	U	200	U	190	U	
2-Chloronaphthalene		190	U	200	U	190	U	
2-Nitroaniline		360	U	390	U	370	U	
Dimethylphthalate		190	U	200	U	190	U	
2,6-Dinitrotoluene		190	U	200	U	190	U	
Acenaphthylene		190	U	200	U	190	U	**100000** [a]
3-Nitroaniline		360	U	390	U	370	U	
Acenaphthene		190	U	200	U	190	U	**20000**
2,4-Dinitrophenol		360	U	390	U	370	U	

* Table taken from Title 6 of the Official Compilation of New York Codes, Rules, and Regulations.

NOTE: All Results in parts uG/KG (parts per billion)
Qual - Validator Qualifier
U - Not Detected
J - Estimated Value
R - Rejected by Data Validator
BOLD - Exceeds Soil Cleanup Criteria

ATTACHMENT 4

Semivolatile Organic Compounds

Semivolatile Organic Compounds	RST 2 ID	SSC-SB2-9-10 Qual		SSA-SB3-3-4 Qual		SSB-SB3 7-8 Qual		*Subpart 375-6.8(a): Unrestricted Use Soil Cleanup Objectives
	CLP ID	B4WE5		B4WE6		B4WE7		
	Depth	7'-8'		3'-4'		7'-8'		
4-Nitrophenol		360	U	390	U	370	U	
Dibenzofuran		190	U	200	U	190	U	
2,4-Dinitrotoluene		190	U	200	U	190	U	
Diethylphthalate		190	U	200	U	190	U	
Fluorene		190	U	200	U	190	U	**30000**
4-Chlorophenyl-phenylether		190	U	200	U	190	U	
4-Nitroaniline		360	U	390	U	370	U	
4,6-Dinitro-2-methylphenol		360	U	390	U	370	U	
N-Nitrosodiphenylamine		190	U	200	U	190	U	
1,2,4,5-Tetrachlorobenzene		190	U	200	U	190	U	
4-Bromophenyl-phenylether		190	U	200	U	190	U	
Hexachlorobenzene		190	U	200	U	190	U	
Atrazine		190	U	200	U	190	U	
Pentachlorophenol		360	U	390	U	370	U	**800** [b]
Phenanthrene		190	U	200	U	190	U	**100000**
Anthracene		190	U	200	U	190	U	**100000** [a]
Carbazole		190	U	200	U	190	U	
Di-n-butylphthalate		190	U	200	U	190	U	
Fluoranthene		190	U	200	U	190	U	**100000** [a]
Pyrene		190	U	200	U	190	U	**100000**
Butylbenzylphthalate		190	U	200	U	190	U	
3,3'-Dichlorobenzidine		190	U	200	U	190	U	
Benzo(a)anthracene		190	U	200	U	190	U	**1000** [c]
Chrysene		190	U	200	U	190	U	**1000** [c]
Bis(2-ethylhexyl)phthalate		190	U	200	U	190	U	
Di-n-octylphthalate		190	U	200	U	190	U	
Benzo(b)fluoranthene		190	U	200	U	190	U	**1000** [c]
Benzo(k)fluoranthene		190	U	200	U	190	U	**800** [c]
Benzo(a)pyrene		190	U	200	U	190	U	**1000** [c]
Indeno(1,2,3-cd)pyrene [f]		190	U	200	U	190	U	**500** [c]
Dibenzo(a,h)anthracene		190	U	200	U	190	U	**330** [b]
Benzo(g,h,i)perylene		190	U	200	U	190	U	**100000**
2,3,4,6-Tetrachlorophenol		190	U	200	U	190	U	

* Table taken from Title 6 of the Official Compilation of New York Codes, Rules, and Regulations.

NOTE: All Results in parts uG/KG (parts per billion)
Qual - Validator Qualifier
U - Not Detected
J - Estimated Value
R - Rejected by Data Validator
BOLD - Exceeds Soil Cleanup Criteria

ATTACHMENT 4
Semivolatile Organic Compounds

Semivolatile Organic Compounds	RST 2 ID	SSB-SB4-7-8 Qual		SSA-SB3-3-4 Qual		*Subpart 375-6.8(a): Unrestricted Use Soil Cleanup Objectives
	CLP ID	B4WE8		B4WE9		
	Depth	7'-8'		3'-4'		
Benzaldehyde		190	U	180	U	
Phenol		190	U	180	U	**330** [b]
Bis(2-chloroethyl)ether		190	U	180	U	
2-Chlorophenol		190	U	180	U	
2-Methylphenol		190	U	180	U	
2,2'-Oxybis(1-chloropropane)		190	U	180	U	
Acetophenone		190	U	180	U	
4-Methylphenol		190	U	180	U	
N-Nitroso-di-n-propylamine		190	U	180	U	
Hexachloroethane		190	U	180	U	
Nitrobenzene		190	U	180	U	
Isophorone		190	U	180	U	
2-Nitrophenol		190	U	180	U	
2,4-Dimethylphenol		190	U	180	U	
Bis(2-chloroethoxy)methane		190	U	180	U	
2,4-Dichlorophenol		190	U	180	U	
Naphthalene		190	U	180	U	**12000**
4-Chloroaniline		190	U	180	U	
Hexachlorobutadiene		190	U	180	U	
Caprolactam		190	U	180	U	
4-Chloro-3-methylphenol		190	U	180	U	
2-Methylnaphthalene		190	U	180	U	
Hexachlorocyclopentadiene		190	U	180	U	
2,4,6-Trichlorophenol		190	U	180	U	
2,4,5-Trichlorophenol		190	U	180	U	
1,1'-Biphenyl		190	U	180	U	
2-Chloronaphthalene		190	U	180	U	
2-Nitroaniline		370	U	360	U	
Dimethylphthalate		190	U	180	U	
2,6-Dinitrotoluene		190	U	180	U	
Acenaphthylene		190	U	180	U	**100000** [a]
3-Nitroaniline		370	U	360	U	
Acenaphthene		190	U	180	U	**20000**
2,4-Dinitrophenol		370	U	360	U	

* Table taken from Title 6 of the Official Compilation of New York Codes, Rules, and Regulations.

NOTE: All Results in parts µG/KG (parts per billion)
Qual - Validator Qualifier
U - Not Detected
J - Estimated Value
R - Rejected by Data Validator
BOLD - Exceeds Soil Cleanup Criteria

ATTACHMENT 4
Semivolatile Organic Compounds

Semivolatile Organic Compounds	RST 2 ID	SSB-SB4-7-8 Qual		SSA-SB3-3-4 Qual		*Subpart 375-6.8(a): Unrestricted Use Soil Cleanup Objectives
	CLP ID	B4WE8		B4WE9		
	Depth	7'-8'		3'-4'		
4-Nitrophenol		370	U	360	U	
Dibenzofuran		190	U	180	U	
2,4-Dinitrotoluene		190	U	180	U	
Diethylphthalate		190	U	180	U	
Fluorene		190	U	180	U	**30000**
4-Chlorophenyl-phenylether		190	U	180	U	
4-Nitroaniline		370	U	360	U	
4,6-Dinitro-2-methylphenol		370	U	360	U	
N-Nitrosodiphenylamine		190	U	180	U	
1,2,4,5-Tetrachlorobenzene		190	U	180	U	
4-Bromophenyl-phenylether		190	U	180	U	
Hexachlorobenzene		190	U	180	U	
Atrazine		190	U	180	U	
Pentachlorophenol		370	U	360	U	**800** [b]
Phenanthrene		190	U	180	U	**100000**
Anthracene		190	U	180	U	**100000** [a]
Carbazole		190	U	180	U	
Di-n-butylphthalate		190	U	180	U	
Fluoranthene		190	U	180	U	**100000** [a]
Pyrene		190	U	180	U	**100000**
Butylbenzylphthalate		190	U	180	U	
3,3'-Dichlorobenzidine		190	U	180	U	
Benzo(a)anthracene		190	U	180	U	**1000** [c]
Chrysene		190	U	180	U	**1000** [c]
Bis(2-ethylhexyl)phthalate		190	U	190	U	
Di-n-octylphthalate		190	U	180	U	
Benzo(b)fluoranthene		190	U	180	U	**1000** [c]
Benzo(k)fluoranthene		190	U	180	U	**800** [c]
Benzo(a)pyrene		190	U	180	U	**1000** [c]
Indeno(1,2,3-cd)pyrene		190	U	180	U	**500** [c]
Dibenzo(a,h)anthracene		190	U	180	U	**330** [b]
Benzo(g,h,i)perylene		190	U	180	U	**100000**
2,3,4,6-Tetrachlorophenol		190	U	180	U	

* Table taken from Title 6 of the Official Compilation of New York Codes, Rules, and Regulations.

NOTE: All Results in parts uG/KG (parts per billion)
Qual - Validator Qualifier
U - Not Detected
J - Estimated Value
R - Rejected by Data Validator
BOLD - Exceeds Soil Cleanup Criteria

ATTACHMENT 4
Semivolatile Organic Compounds

Footnotes:

a: The Soil Sleanup Objecjectives (SCOs) used were capped at a maximum value of 100 ppm (100000 ppb)

b: For constituents where the calculated SCO was lower than the contract required quantitation limit (CRQL), the CRQL is used as the Track 1 SCO value.

c: For constituednt where the calculated SCO was lower than the rural soil background concentration, as determined by the Department of Health rural soil survey, the rural soil backgrund concentration is issued as the Track 1 SCO balue for this use of the Site.

d: SCO if the sum of endosulfan I, ensdosulfan II and endosulfan sulfate.

e: The SCO for this specific compound (or family of compounds) is considered to be met if the analysis for the toatl species of this contaminant is below the specific SCO.

f: Protection of ecological resources SCOs were not developed for contaminant identified inn Table 375-6.8(b) with "NS". Where such contaminants appear in Table 375-6.8(a), the applicant may be required by the Department to calculate a protection of ecologival resources SCO according to the TSD.

ATTACHMENT 5

INORGANIC COMPOUNDS (METALS)
DATA TABLE

ATTACHMENT 5
Inorganic Compounds (Metals)
May 29, 2008

Metals - Soil Samples	RST 2 ID	SS-SB1-3-4 Qual		SS-SB1-7-8 Qual		SS-SB1-9-10 Qual		SS-SB2-3-4 Qual		SS-SB2-7-8 Qual		SS-SB2-9-10 Qual		SS-SB3-3-4 Qual		SS-SB3-7-8 Qual		SS-SB3-9-10 Qual		SS-SB4-7-8 Qual		*Subpart 375-6.8 (a): Unrestricted Use Soil Cleanup Objectives
	CLP ID	AK02602		AK02603		AK02604		AK02605		AK02606		AK02607		AK02608		AK02609		AK02610		AK02611		
	Depth	3'-4'		7'-8'		9'-10'		3'-4'		7'-8'		9'-10'		3'-4'		7'-8'		9'-10'		7'-8'		
MERCURY		---	U	---	U	---	U	---	U	---	U	---	U	---	U	---	U	---	U	---	U	0.18 [c]
SILVER		---	U	---	U	---	U	---	U	---	U	---	U	---	U	---	U	---	U	---	U	
ALUMINUM		15,000		5,700		7,000		19,000		6,200		5,400		14,000		5,800		6,100		6,300		
ARSENIC		5.1		2.9		2.6		3.1		2.9		2.4		3.5		3.5		2.3		3.9		13 [e]
BARIUM		120		47		72		140		52		56		95		58		100		63		350 [c]
BERYLLIUM		0.76		---	U	0.34		0.84		---	U	---	U	0.7		---	U	---	U	---	U	7.2
CALCIUM		13,000		54,000		45,000		3,000		37,000		43,000		23,000	J	45,000		44,000		34,000		
CADMIUM		2.1		---	U	---	U	---	U	---	U	---	U	---	U	---	U	---	U	---	U	2.5 [c]
COBALT		12		5.2		5.1		12		5.8		4.8		12		5.9		6.8		6.6		
CHROMIUM		**42**		12		18		29		11		13		28		11		13		11		30
COPPER		**84**		26		22		16		47		27		17		25		29		**84**		50
IRON		27,000		14,000		16,000		27,000		16,000		14,000		28,000	J	16,000		15,000		18,000		
POTASSIUM		2,300		1,100		1,400		3,000		1,100		1,100		2,100		930		1,000		940		
MAGNESIUM		7,900		12,000		9,500		7,500		7,600		10,000		7,700		8,200		12,000		7,100		
MANGANESE		820		660		530		410		550		550		540	J	560		550		780		1600 [c]
SODIUM		430		210		260		280		180		190		940		170		150		180		
NICKEL		28		11		13		30		12		11		29		12		16		13		30
LEAD		16		5.1		5.2		8		5.4		5.4		7		5.3		6.1		5.8		63 [c]
ANTIMONY		---	U	---	U	---	U	---	U	---	U	---	U	---	U	---	U	---	U	---	U	
SELENIUM		---	U	---	U	---	U	---	U	---	U	---	U	---	U	---	U	---	U	---	U	3.9 [c]
THALLIUM		---	U	---	U	---	U	---	U	---	U	---	U	---	U	---	U	---	U	---	U	
VANADIUM		33		15		19		32		17		16		29		16		17		18		
ZINC		58		66		59		58		36		45		51	J	46		68		48		109 [c]
CYANIDE TOT.		2.1	J	2.2		1.8		0.2		0.18		0.5		1.9		0.15		0.27		0.25		27

Note: All values are in mg/kg.
*Table taken from Title 6 of the Official Compilation of New York Codes, Rules, and Regulations
Qual = Validator Qualifier
U = Not Detected
J = Estimated Value
R = Rejected by Data Validator
BOLD = Exceeds Soil Cleanup Criteria

a The Soil Cleanup Objectives (SCOs) used were capped at a maximum value of 100 ppm (100000 ppb)
b For constituents where the calculated SCO was lower than the contract required quantitation limit (CRQL), the CRQL is used as the Track 1 SCO value.
c For constituents where the calculated SCO was lower than the contract required quantitation limit (CRQL), the CRQL is used as the Track 1 SCO value
d SCO if the sum of endosulfan I, endosulfan II, and endosulfan sulfate.
e The SCO for this specific compound (or family of compounds) is considered to be met if the analysis for the total species of this cotaminant is below the specific SCO.
f Protection of ecological resources SCOs were not developed for contaminant identified in Table 375-6.8(b) with "NS". Where such contaminants appear in Table 375-6.8 (a), the applicant may be required by the Department to calculate a protection of ecological resources SCO according to the TSD.

ATTACHMENT 6

INORGANIC COMPOUNDS (HEXAVALENT CHROMIUM)
DATA TABLE

ATTACHMENT 6
Inorganic Compounds (Hexavalent Chromium)
May 29, 2008

Soil Samples	Lab ID	0805968-001	0805968-002	0805968-003	0805968-004	0805968-005	0805968-006	0805968-007	0805968-009	0805968-010	0805968-011	*Subpart 375-6.8 (a): Unrestricted Use Soil Cleanup Objectives
	Sample ID	1193-009	1193-010	1193-011	1193-012	1193-013	1193-014	1193-015	1193-017	1193-018	1193-019	
	Depth	3'-4'	7'-8'	9'-10'	3'-4'	7'-8'	9'-10'	3'-4'	7'-8'	9'-10'	7'-8'	
HEXAVALENT CHROMIUM		**3100**	**1400**	590	U	960 J	U	1000	U	U	UJ	1000 [b]

Note: All values are in ug/kg for validated data
*Table taken from Title 6 of the Official Compilation of New York Codes, Rules, and Regulations
U/ = Non-detected compound
J = Estimated Value
BOLD = Exceeds Soil Cleanup Criteria

a The Soil Cleanup Objectives (SCOs) used were capped at a maximum value of 100 ppm (100000 ppb)
b For constituents where the calculated SCO was lower than the contract required quantitation limit (CRQL), the CRQL is used as the Track 1 SCO value.
c For constituents where the calculated SCO was lower than the contract required quantitation limit (CRQL), the CRQL is used as the Track 1 SCO value
d SCO if the sum of endosulfan I, endosulfan II, and endosulfan sulfate.

e The SCO for this specific compound (or family of compounds) is considered to be met if the analysis for the total species of this cotaminant is below the specific SCO.
f Protection of ecological resources SCOs were not developed for contaminant identified in Table 375-6.8(b) with "NS". Where such contaminants appear in Table 375-6.8 (a), the applicant may be required by the Department to calculate a protection of ecological resources SCO according to the TSD.

ATTACHMENT 7

NYSDEC 375-6.8(a) Unrestricted Use Soil Cleanup Objectives

§375-6.8 Soil cleanup objective tables.

(a) Unrestricted use soil cleanup objectives.

Table 375-6.8(a):Unrestricted Use Soil Cleanup Objectives

Contaminant	CAS Number	Unrestricted Use
Metals		
Arsenic	7440-38-2	13 [c]
Barium	7440-39-3	350 [c]
Beryllium	7440-41-7	7.2
Cadmium	7440-43-9	2.5 [c]
Chromium, hexavalent [e]	18540-29-9	1[b]
Chromium, trivalent [e]	16065-83-1	30 [c]
Copper	7440-50-8	50
Total Cyanide [e, f]		27
Lead	7439-92-1	63 [c]
Manganese	7439-96-5	1600 [c]
Total Mercury		0.18 [c]
Nickel	7440-02-0	30
Selenium	7782-49-2	3.9[c]
Silver	7440-22-4	2
Zinc	7440-66-6	109 [c]
PCBs/Pesticides		
2,4,5-TP Acid (Silvex)[f]	93-72-1	3.8
4,4'-DDE	72-55-9	0.0033 [b]
4,4'-DDT	50-29-3	0.0033 [b]
4,4'-DDD	72-54-8	0.0033 [b]
Aldrin	309-00-2	0.005 [c]
alpha-BHC	319-84-6	0.02
beta-BHC	319-85-7	0.036
Chlordane (alpha)	5103-71-9	0.094
delta-BHC [g]	319-86-8	0.04
Dibenzofuran [f]	132-64-9	7
Dieldrin	60-57-1	0.005[c]
Endosulfan I[d, f]	959-98-8	2.4

Endosulfan II[d, f]	33213-65-9	2.4
Endosulfan sulfate[d, f]	1031-07-8	2.4
Endrin	72-20-8	0.014
Heptachlor	76-44-8	0.042
Lindane	58-89-9	0.1
Polychlorinated biphenyls	1336-36-3	0.1
Semivolatile organic compounds		
Acenaphthene	83-32-9	20
Acenapthylene [f]	208-96-8	100 [a]
Anthracene [f]	120-12-7	100 [a]
Benz(a)anthracene [f]	56-55-3	1[c]
Benzo(a)pyrene	50-32-8	1[c]
Benzo(b)fluoranthene[f]	205-99-2	1[c]
Benzo(g,h,i)perylene [f]	191-24-2	100
Benzo(k)fluoranthene[f]	207-08-9	0.8 [c]
Chrysene [f]	218-01-9	1[c]
Dibenz(a,h)anthracene[f]	53-70-3	0.33 [b]
Fluoranthene [f]	206-44-0	100 [a]
Fluorene	86-73-7	30
Indeno(1,2,3-cd)pyrene [f]	193-39-5	0.5 [c]
m-Cresol [f]	108-39-4	0.33 [b]
Naphthalene [f]	91-20-3	12
o-Cresol [f]	95-48-7	0.33 [b]
p-Cresol [f]	106-44-5	0.33 [b]
Pentachlorophenol	87-86-5	0.8[b]
Phenanthrene [f]	85-01-8	100
Phenol	108-95-2	0.33[b]
Pyrene[f]	129-00-0	100
Volatile organic compounds		
1,1,1-Trichloroethane [f]	71-55-6	0.68
1,1-Dichloroethane [f]	75-34-3	0.27
1,1-Dichloroethene[f]	75-35-4	0.33
1,2-Dichlorobenzene[f]	95-50-1	1.1
1,2-Dichloroethane	107-06-2	0.02[c]

cis -1,2-Dichloroethene [f]	156-59-2	0.25
trans-1,2-Dichloroethene [f]	156-60-5	0.19
1,3-Dichlorobenzene[f]	541-73-1	2.4
1,4-Dichlorobenzene	106-46-7	1.8
1,4-Dioxane	123-91-1	0.1 [b]
Acetone	67-64-1	0.05
Benzene	71-43-2	0.06
n-Butylbenzene [f]	104-51-8	12
Carbon tetrachloride [f]	56-23-5	0.76
Chlorobenzene	108-90-7	1.1
Chloroform	67-66-3	0.37
Ethylbenzene[f]	100-41-4	1
Hexachlorobenzene [f]	118-74-1	0.33[b]
Methyl ethyl ketone	78-93-3	0.12
Methyl tert-butyl ether [f]	1634-04-4	0.93
Methylene chloride	75-09-2	0.05
n - Propylbenzene [f]	103-65-1	3.9
sec-Butylbenzene [f]	135-98-8	11
tert-Butylbenzene[f]	98-06-6	5.9
Tetrachloroethene	127-18-4	1.3
Toluene	108-88-3	0.7
Trichloroethene	79-01-6	0.47
1,2,4-Trimethylbenzene [f]	95-63-6	3.6
1,3,5-Trimethylbenzene[f]	108-67-8	8.4
Vinyl chloride[f]	75-01-4	0.02
Xylene (mixed)	1330-20-7	0.26

All soil cleanup objectives (SCOs) are in parts per million (ppm).

Footnotes

[a] The SCOs for unrestricted use were capped at a maximum value of 100 ppm. See Technical Support Document (TSD), section 9.3.

[b] For constituents where the calculated SCO was lower than the contract required quantitation limit (CRQL), the CRQL is used as the Track 1 SCO value.

[c] For constituents where the calculated SCO was lower than the rural soil background concentration, as determined by the Department and Department of Health rural soil survey, the rural soil background concentration is used as the Track 1 SCO value for this use of the site.

[d] SCO is the sum of endosulfan I, endosulfan II and endosulfan sulfate.

[e] The SCO for this specific compound (or family of compounds) is considered to be met if the analysis for the total species of this contaminant is below the specific SCO.

[f] Protection of ecological resources SCOs were not developed for contaminants identified in Table 375-6.8(b) with "NS". Where such contaminants appear in Table 375-6.8(a), the applicant may be required by the Department to calculate a protection of ecological resources SCO according to the TSD

ATTACHMENT D

Copies of Laboratory Analytical Data
Post-Excavation/Confirmation Soil Samples

PARADIGM ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue
Rochester, NY 14608
(585) 647-2530 * (800) 724-1997

CHAIN OF CUSTODY

REPORT TO:		INVOICE TO:			
COMPANY:	WRS I & E	COMPANY:	WRS I & E	LAB PROJECT #: 08-2296	CLIENT PROJECT #: 33-63-060001
ADDRESS:	925 Canal Street, Suite 1701	ADDRESS:	221 Hobbs Street, Suite 108		
CITY:	Bristol STATE: PA ZIP: ###	CITY:	Tampa STATE: FL ZIP:33619	TURNAROUND TIME: (WORKING DAYS)	
PHONE:	267-540-0048 FAX: 267-540-0049	PHONE:	813-684-4400 FAX: 813-684-9177	STD ☐ 1 ☐ 2 ☐ 3 ☐ 5	OTHER ASAP
PROJECT NAME/SITE NAME:	MRS Plating	ATTN:	Scott Soden	ATTN:	Accts Payable
COMMENTS:	E-Mail Results to: ssoden@wrscompass.com			Quotation #	Per MS 7/2, TCN + Hex Cr due 7/8, CP EAH 7/3 try for other parameters to be due 7/3 EAH 7/3 emailed JH 7/3 to let him know due dates EAH 7/3

REQUESTED ANALYSIS

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER OF CONTAINERS	Chromium	Chromium Hexavalent	Cyanide	TCE	Cadmium							REMARKS TOTAL AIR VOLUME	PARADIGM LAB SAMPLE NUMBER
1	07 01 08	14:42			CONF-CE-1 ✓	SOIL	2	X	X	X	X	X								7843
1	07 01 08	14:48			CONF-CE-2 ✓	SOIL	2	X	X	X	X	X								7844
1	07 01 08	1:57			CONF-MFE-1 ✓	SOIL	2	X	X	X	X	X								7845
1	07 01 08	15:05			CONF-MFE-2 ✓	SOIL	2	X	X	X	X	X								7846
8																				
9																				
10																				

PLEASE FILL OUT COMPLETELY

Sample Condition: Per NELAC/ELAP 210/241/242/243/244

Receipt Parameter	NELAC Compliance	
Container Type:	Y ☒	N ☐
Comments:		
Preservation:	Y ☒	N ☐
Comments:		
Holding Time:	Y ☒	N ☐
Comments:		
Temperature:	Y ☐	N ☒
Comments:	16°C iced	

Sayed Ghani 7/1/08
Sampled By Date/Time

Sayed Ghani 7/1/08 15:50
Relinquished By Date/Time

Shane Woods Relinquished 7/2/08 7:54 AM
Received By Date/Time

7/2/08 7:54
Received @ Lab By Date/Time

Elizabeth A. Honch 7/2/08 1245

Total Cost:

P.I.F.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 (585) 647-2530 FAX (585) 647-3311

Client:	WRS I & E	**Lab Project No.:**	08-2296
Client Job Site:	MRS Plating	**Sample Type:**	Soil
		Method:	EPA 6010
Client Job No.:	33-63-060001		
		Date(s) Sampled:	07/01/2008
		Date Received:	07/02/2008
		Date Analyzed:	07/03/2008

Laboratory Report for Solid Analysis

Lab Sample No.	Field ID No.	Field Location	Cadmium Result (mg/kg)	Chromium Result (mg/kg)
7843	N/A	CONF-CE-1	2.89	38.7
7844	N/A	CONF-CE-2	1.06	57.4
7845	N/A	CONF-MFE-1	<0.407	25.9
7846	N/A	CONF-MFE-2	<0.462	21.1

ELAP ID No.: 10958

Comments: The laboratory control spike and spike duplicate percent difference was outside QC limits for Cd and Cr.

Approved By: _____
Bruce Hoogesteger, Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 (585) 647-2530 FAX (585) 647-3311

LABORATORY REPORT OF ANALYSIS

Client: WRS I&E

Client Job Site: MRS Plating
Client Job No.: 33-63-060001

Analytical Method: EPA 335.3

Lab Project No.: 08-2296

Sample Type: Soil

Date Sampled: 7/1/2008
Date Received: 7/2/2008
Date Analyzed: 7/3/2008

Lab Sample ID.	Sample Location/Field ID	Total Cyanide (mg/kg)
7843	CONF-CE-1	1.4
7844	CONF-CE-2	1.0
7845	CONF-MFE-1	2.4
7846	CONF-MFE-2	ND<0.50

ELAP ID No. 10709

Comments: ND denotes Not Detected

Approved By Technical Director: _____
Bruce Hoogesteger

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

File ID: WRS Hex Chr TCN 08-2296

PARADIGM
ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 (585) 647-2530 FAX (585) 647-3311

LABORATORY REPORT OF ANALYSIS

Client: WRS I&E

Client Job Site: MRS Plating
Client Job No.: 33-63-060001

Analytical Method: SW7196A

Lab Project No.: 08-2296

Sample Type: Soil

Date Sampled: 7/1/2008
Date Received: 7/2/2008
Date Analyzed: 7/7/2008

Lab Sample ID.	Sample Location/Field ID	Hexavalent Chromium (mg/kg)
7843	CONF-CE-1	ND<0.4
7844	CONF-CE-2	ND<0.4
7845	CONF-MFE-1	ND<0.4
7846	CONF-MFE-2	ND<0.4

ELAP ID. No.:10709

Comments: ND denotes Not Detected

Approved By Technical Director: _____
Bruce Hoogesteger

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

PARADIGM
ENVIRONMENTAL SERVICES, INC. 9 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Soils/Solids/Sludges

Client: WRS I&E

Client Job Site:	MRS Plating	**Lab Project Number:**	08-2296
		Lab Sample Number:	7843
Client Job Number:	33-63-060001		
Field Location:	CONF-CE-1	**Date Sampled:**	07/01/2008
Field ID Number:	N/A	**Date Received:**	07/02/2008
Sample Type:	Soil	**Date Analyzed:**	07/03/2008

Halocarbons	Results in ug / Kg
Trichloroethene	324

ELAP Number 10958 Method: EPA 8260B Data File: V57778.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: _____
Bruce Hoogestegen, Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC. 9 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Soils/Solids/Sludges

Client: WRS I&E

Client Job Site:	MRS Plating	**Lab Project Number:**	08-2296
		Lab Sample Number:	7844
Client Job Number:	33-63-060001		
Field Location:	CONF-CE-2	**Date Sampled:**	07/01/2008
Field ID Number:	N/A	**Date Received:**	07/02/2008
Sample Type:	Soil	**Date Analyzed:**	07/03/2008

Halocarbons	Results in ug / Kg
Trichloroethene	280

ELAP Number 10958 Method: EPA 8260B Data File: V57779.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: _____
Bruce Hoogesteger, Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC. 3 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Soils/Solids/Sludges

Client: WRS I&E

Client Job Site:	MRS Plating	**Lab Project Number:**	08-2296
		Lab Sample Number:	7845
Client Job Number:	33-63-060001		
Field Location:	CONF-MFE-1	**Date Sampled:**	07/01/2008
Field ID Number:	N/A	**Date Received:**	07/02/2008
Sample Type:	Soil	**Date Analyzed:**	07/03/2008

Halocarbons	Results in ug / Kg
Trichloroethene	E 38,000

ELAP Number 10958 Method: EPA 8260B Data File: V57780.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: _____
Bruce Hoogesteger: Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC. 9 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Soils/Solids/Sludges

Client: WRS I&E

Client Job Site:	MRS Plating	**Lab Project Number:**	08-2296
		Lab Sample Number:	7846
Client Job Number:	33-63-060001		
Field Location:	CONF-MFE-2	**Date Sampled:**	07/01/2008
Field ID Number:	N/A	**Date Received:**	07/02/2008
Sample Type:	Soil	**Date Analyzed:**	07/03/2008

Halocarbons	Results in ug / Kg
Trichloroethene	8,500

ELAP Number 10958 Method: EPA 8260B Data File: V57781.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: _____
Bruce Hoogesteger: Technical Director

PARADIGM ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue
Rochester, NY 14608
(585) 647-2530 * (800) 724-1997

CHAIN OF CUSTODY

REPORT TO:		INVOICE TO:			
COMPANY:	WRS I & E	COMPANY:	WRS I & E	LAB PROJECT #: 08-2367	CLIENT PROJECT #: 33-63-060001
ADDRESS:	925 Canal Street, Suite 1701	ADDRESS:	221 Hobbs Street, Suite 108		
CITY:	Bristol STATE: PA ZIP: ###	CITY:	Tampa STATE: FL ZIP:33619	TURNAROUND TIME: (WORKING DAYS)	
PHONE:	267-540-0048 FAX: 267-540-0049	PHONE:	813-684-4400 FAX: 813-684-9177	STD	OTHER
PROJECT NAME/SITE NAME:		ATTN:	Accts Payable	1 2 3 5	ASAP
MRS Plating		COMMENTS:	E-Mail Results to: ssoden@wrscompass.com	Quotation #	

Per lab: Cd, Cr, TCE due 7/9.
Hex Cr, TCN due 7/10 end of day.
Emailed JH 7/8 to let him know.
EAH 7/8

REQUESTED ANALYSIS

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER CONTAINERS	Chromium	Chromium Hexavalent	Cyanide	TCE	Cadmium	REMARKS TOTAL AIR VOLUME	PARADIGM LAB SAMPLE NUMBER
1	07 07 08	15:35			~~CONF-FYW-1~~	SOIL	2	X	X	X		X		8065
1	07 07 08	15:45			~~CONF-FYE-1~~	SOIL	2	X	X	X		X		8066
1	07 07 08	16:22			CONF-MFW-1 ✓	SOIL	2	X	X	X	X	X		8067
1	07 07 08	16:27			CONF-MFW-2 ✓	SOIL	2	X	X	X	X	X		8068
1	07 07 08	16:30			CONF-CW-1 ✓	SOIL	2	X	X	X	X	X		8069
1	07 07 08	16:35			CONF-CW-2 ✓	SOIL	2	X	X	X	X	X		8070
1	07 07 08	16:40			~~BACKWALL~~	SOIL	1	X				X	Do not run backwall sample per 7/8 JH EAH 7/8	8071

Sample Condition: Per NELAC/ELAP 210/241/242/243/244

Receipt Parameter	NELAC Compliance	
Container Type:	Y ☒	N ☐
Comments:		
Preservation:	Y ☒	N ☐
Comments:		
Holding Time:	Y ☒	N ☐
Comments:		
Temperature:	Y ☐	N ☒
Comments: 14°C iced		

Sampled By — 7/7/08 — Date/Time

Relinquished By — 7/7/08 1705 — Date/Time

Received By — 7/7/08 1705 RELINQUISHED 7/8/08 8:05 — Date/Time

Received @ Lab By — 7/7/08 — Date/Time

Elizabeth A Honch 7/8/08 1340

Total Cost:

P.I.F.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 (585) 647-2530 FAX (585) 647-3311

Client:	**WRS I & E**	**Lab Project No.:**	08-2367
Client Job Site:	MRS Plating	**Sample Type:**	Soil
		Method:	EPA 6010
Client Job No.:	33-63-060001		
		Date(s) Sampled:	07/07/2008
		Date Received:	07/08/2008
		Date Analyzed:	07/09/2008

Laboratory Report for Solid Analysis

Lab Sample No.	Field ID No.	Field Location	Cadmium Result (mg/kg)	Chromium Result (mg/kg)
8065	N/A	CONF-FYW-1	89.6	104
8066	N/A	CONF-FYE-1	186	81.7
8067	N/A	CONF-MFW-1	<0.478	32.7
8068	N/A	CONF-MFW-2	<0.403	53.9
8069	N/A	CONF-CW-1	<0.477	20.5
8070	N/A	CONF-CW-2	<0.491	23.7

ELAP ID No.: 10958

Comments:

Approved By: _____
Bruce Hoogesteger, Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 (585) 647-2530 FAX (585) 647-3311

LABORATORY REPORT OF ANALYSIS

Client: WRS I&E

Client Job Site: MRS Plating
Client Job No.: 33-63-060001

Analytical Method: SW7196A

Lab Project No.: 08-2367

Sample Type: Soil

Date Sampled: 7/7/2008
Date Received: 7/8/2008
Date Analyzed: 7/10/2008

Lab Sample ID.	Sample Location/Field ID	Hexavalent Chromium (mg/kg)
8065	CONF-FYW-1	ND<0.4
8066	CONF-FYE-1	ND<0.4
8067	CONF-MFW-1	ND<0.4
8068	CONF-MFW-2	1.3
8069	CONF-CW-1	ND<0.4
8070	CONF-CW-2	ND<0.4

ELAP ID. No.:10709

Comments: ND denotes Not Detected

Approved By Technical Director: Bruce Hoogesteger

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

File ID: WRS Hex Chr TCN 08-2367

PARADIGM
ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 (585) 647-2530 FAX (585) 647-3311

LABORATORY REPORT OF ANALYSIS

Client: WRS I&E

Client Job Site: MRS Plating
Client Job No.: 33-63-060001

Analytical Method: EPA 335.3

Lab Project No.: 08-2367

Sample Type: Soil

Date Sampled: 7/7/2008
Date Received: 7/8/2008
Date Analyzed: 7/10/2008

Lab Sample ID.	Sample Location/Field ID	Total Cyanide (mg/kg)
8065	CONF-FYW-1	7.5
8066	CONF-FYE-1	5.2
8067	CONF-MFW-1	ND<0.50
8068	CONF-MFW-2	11
8069	CONF-CW-1	1.1
8070	CONF-CW-2	ND<0.50

ELAP ID No. 10709

Comments: ND denotes Not Detected

Approved By Technical Director: Bruce Hoogesteger

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

File ID: WRS Hex Chr TCN 08-2367

PARADIGM
ENVIRONMENTAL SERVICES, INC. 3 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Soils/Solids/Sludges

Client: WRS I&E

Client Job Site:	MRS Plating	**Lab Project Number:**	08-2367
		Lab Sample Number:	8067
Client Job Number:	33-63-060001		
Field Location:	Conf-MFW-1	**Date Sampled:**	07/07/2008
Field ID Number:	N/A	**Date Received:**	07/08/2008
Sample Type:	Soil	**Date Analyzed:**	07/08/2008

Halocarbons	Results in ug / Kg
Trichloroethene	ND< 108

ELAP Number 10958 Method: EPA 8260B Data File: V57889.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: _____
Bruce Hoogesteger: Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC. 3 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Soils/Solids/Sludges

Client: WRS I&E

Client Job Site:	MRS Plating	**Lab Project Number:**	08-2367
		Lab Sample Number:	8068
Client Job Number:	33-63-060001		
Field Location:	Conf-MFW-2	**Date Sampled:**	07/07/2008
Field ID Number:	N/A	**Date Received:**	07/08/2008
Sample Type:	Soil	**Date Analyzed:**	07/08/2008

Halocarbons	Results in ug / Kg
Trichloroethene	ND< 73.7

ELAP Number 10958 Method: EPA 8260B Data File: V57890.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: _____
Bruce Hoogesteger: Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC. 3 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Soils/Solids/Sludges

Client: WRS I&E

Client Job Site:	MRS Plating	**Lab Project Number:**	08-2367
		Lab Sample Number:	8069
Client Job Number:	33-63-060001		
Field Location:	Conf-CW-1	**Date Sampled:**	07/07/2008
Field ID Number:	N/A	**Date Received:**	07/08/2008
Sample Type:	Soil	**Date Analyzed:**	07/08/2008

Halocarbons	Results in ug / Kg
Trichloroethene	ND< 83.6

ELAP Number 10958 Method: EPA 8260B Data File: V57891.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: _____
Bruce Hoogesteger: Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC. 3 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Soils/Solids/Sludges

Client: WRS I&E

Client Job Site:	MRS Plating	**Lab Project Number:**	08-2367
		Lab Sample Number:	8070
Client Job Number:	33-63-060001		
Field Location:	Conf-CW-2	**Date Sampled:**	07/07/2008
Field ID Number:	N/A	**Date Received:**	07/08/2008
Sample Type:	Soil	**Date Analyzed:**	07/08/2008

Halocarbons	Results in ug / Kg
Trichloroethene	ND< 91.0

ELAP Number 10958 Method: EPA 8260B Data File: V57892.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: _____
Bruce Hoogesteger: Technical Director

qp 6/26/08
Call 315 427 5196
Scott

PARADIGM
ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue
Rochester, NY 14608
(585) 647-2530 * (800) 724-1997

CHAIN OF CUSTODY

REPORT TO:		INVOICE TO:	
COMPANY:	WRS I & E	COMPANY:	WRS I & E
ADDRESS:	925 Canal Street, Suite 1701	ADDRESS:	221 Hobbs Street, Suite 108
CITY:	Bristol STATE: PA ZIP: ###	CITY:	Tampa STATE: FL ZIP:33619
PHONE:	267-540-0048 FAX: 267-540-0049	PHONE:	813-684-4400 FAX: 813-684-9177
ATTN:	Scott Soden	ATTN:	Accts Payable
COMMENTS:	E-Mail Results to: ssoden@wrscompass.com		

LAB PROJECT #: 08-2199
CLIENT PROJECT #: 33-63-060001
TURNAROUND TIME: (WORKING DAYS) STD OTHER
☐ 1 ☐ 2 ☐ 3 ☐ 5 ASAP
PROJECT NAME/SITE NAME: MRS Plating
Quotation #

REQUESTED ANALYSIS

DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER CONTAINERS	Chromium	Chromium Hexavalent	Cyanide	TCE	Cadmium						REMARKS TOTAL AIR VOLUME	PARADIGM LAB SAMPLE NUMBER
1 06 25 08	15:05			CONF-FW-1 ✓	SOIL	2	X	X	X	X	X							75560
1 06 25 08	15:15			CONF-FE-1 ✓	SOIL	2	X	X	X	X	X							75577
1 06 25 08	15:22			~~CONF-MW-1~~	SOIL	2	X	X	X	X	X							75588
1 06 25 08	15:30			CONF-MRW-1 ✓	SOIL	2	X	X	X	X	X							75599
1 06 25 08	15:45			CONF-MRE-1 ✓	SOIL	2	X	X	X	X	X							75600
1 06 25 08	15:38			CONF-WR-1 ✓	SOIL	2	X	X	X	X	X						qp says RW-1	75611
1 06 25 08	15:50			CONF-RE-1 ✓	SOIL	2	X	X	X	X	X							75622
8																		
9																		
10																		

TAT TIS TIME

Sample Condition: Per NELAC/ELAP 210/241/242/243/244

Receipt Parameter	NELAC Compliance	
Container Type:	Y ☒	N ☐
Comments:		
Preservation:	Y ☒	N ☐
Comments:		
Holding Time:	Y ☒	N ☐
Comments:		
Temperature:	Y ☐	N ☒
Comments: 16°C iced		

Sampled By — Date/Time: 6/25/08
Relinquished By — Date/Time: 6/25/08 1622
Received By — Date/Time: 6/25/08 1622 RELINQUISHED 6/25 1622
Received @ Lab By — Date/Time: James A. Stern 6/25/08 1622
Elizabeth A. Honch 6/26/08 1010

Total Cost:
P.I.F.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 (585) 647-2530 FAX (585) 647-3311

LABORATORY REPORT OF ANALYSIS

Client: WRS I&E

Client Job Site: MRS Plating
Client Job No.: 33-63-060001

Analytical Method: EPA 335.3

Lab Project No.: 08-2199

Sample Type: Soil

Date Sampled: 6/25/2008
Date Received: 6/26/2008
Date Analyzed: 6/26/2008

Lab Sample ID.	Sample Location/Field ID	Total Cyanide (mg/kg)
7556	CONF-FW-1	0.24
7557	CONF-FE-1	ND<0.50
7558	CONF-MW-1	2.0
7559	CONF-MRW-1	0.54
7560	CONF-MRE-1	1.8
7561	CONF-WR-1	*
7562	CONF-RE-1	0.62

ELAP ID No. 10709

Comments: ND denotes Not Detected
*Sample over range, will be re-analyzed.

Approved By Technical Director: Bruce Hoogesteger

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

File ID: WRS Hex Chr TCN 08-2199

PARADIGM
ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 (585) 647-2530 FAX (585) 647-3311

LABORATORY REPORT OF ANALYSIS

Client: WRS I&E

Client Job Site: MRS Plating
Client Job No.: 33-63-060001

Analytical Method: SW7196A

Lab Project No.: 08-2199

Sample Type: Soil

Date Sampled: 6/25/2008
Date Received: 6/26/2008
Date Analyzed: 6/27/2008

Lab Sample ID.	Sample Location/Field ID	Hexavalent Chromium (mg/kg)
7556	CONF-FW-1	ND<0.8
7557	CONF-FE-1	ND<0.4
7558	CONF-MW-1	47.2
7559	CONF-MRW-1	ND<1.0
7560	CONF-MRE-1	ND<1.0
7561	CONF-WR-1	ND<2.0
7562	CONF-RE-1	ND<2.0

ELAP ID. No.:10709

Comments: ND denotes Not Detected

Approved By Technical Director: Bruce Hoogesteger

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

File ID: WRS Hex Chr TCN 08-2199

PARADIGM
ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 (585) 647-2530 FAX (585) 647-3311

Client:	**WRS I & E**	**Lab Project No.:**	08-2199
Client Job Site:	MRS Plating	**Sample Type:**	Soil
		Method:	EPA 6010
Client Job No.:	33-63-060001		
		Date(s) Sampled:	06/25/2008
		Date Received:	06/26/2008
		Date Analyzed:	06/30/2008

Laboratory Report for Solid Analysis

Lab Sample No.	Field ID No.	Field Location	Cadmium Result (mg/kg)	Chromium Result (mg/kg)
7556	N/A	CONF-FW-1	6.80	66.9
7557	N/A	CONF-FE-1	4.05	52.3
7558	N/A	CONF-MW-1	7.42	2010
7559	N/A	CONF-MRW-1	0.787	31.0
7560	N/A	CONF-MRE-1	81.1	33.7
7561	N/A	CONF-WR-1	<0.540	142
7562	N/A	CONF-RE-1	0.949 D,M	29.4 D,M

ELAP ID No.: 10958

Comments:

Approved By: _____
Bruce Hoogesteger, Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional sample information, including compliance with sample condition requirements upon receipt.

File ID : 082199.xls

PARADIGM
ENVIRONMENTAL SERVICES, INC. 3 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Soils/Solids/Sludges

Client: WRS I & E

Client Job Site:	MRS Plating	**Lab Project Number:**	08-2199
		Lab Sample Number:	7556
Client Job Number:	33-63-060001		
Field Location:	CONF-FW-1	**Date Sampled:**	06/25/2008
Field ID Number:	N/A	**Date Received:**	06/26/2008
Sample Type:	Soil	**Date Analyzed:**	06/26/2008

Halocarbons	Results in ug / Kg
Trichloroethene	M ND< 9.46

ELAP Number 10958 Method: EPA 8260B Data File: V57624.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: _____
Bruce Hoogesteger: Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC.) Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Soils/Solids/Sludges

Client: WRS I & E

Client Job Site:	MRS Plating	**Lab Project Number:**	08-2199
		Lab Sample Number:	7557
Client Job Number:	33-63-060001		
Field Location:	CONF-FE-1	**Date Sampled:**	06/25/2008
Field ID Number:	N/A	**Date Received:**	06/26/2008
Sample Type:	Soil	**Date Analyzed:**	06/26/2008

Halocarbons	Results in ug / Kg
Trichloroethene	193

ELAP Number 10958 Method: EPA 8260B Data File: V57627.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: _____
Bruce Hoogesteger: Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC. 3 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Soils/Solids/Sludges

Client: WRS I & E

Client Job Site:	MRS Plating	**Lab Project Number:**	08-2199
		Lab Sample Number:	7558
Client Job Number:	33-63-060001		
Field Location:	CONF-MW-1	**Date Sampled:**	06/25/2008
Field ID Number:	N/A	**Date Received:**	06/26/2008
Sample Type:	Soil	**Date Analyzed:**	06/26/2008

Halocarbons	Results in ug / Kg
Trichloroethene	600

ELAP Number 10958 Method: EPA 8260B Data File: V57628.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature:
Bruce Hoogesteger: Technical Director

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Volatile Analysis Report for Soils/Solids/Sludges

Client: WRS I & E

Client Job Site:	MRS Plating	**Lab Project Number:**	08-2199
		Lab Sample Number:	7559
Client Job Number:	33-63-060001		
Field Location:	CONF-MRW-1	**Date Sampled:**	06/25/2008
Field ID Number:	N/A	**Date Received:**	06/26/2008
Sample Type:	Soil	**Date Analyzed:**	06/26/2008

Halocarbons	Results in ug / Kg
Trichloroethene	ND< 7.29

ELAP Number 10958 Method: EPA 8260B Data File: V57629.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature:
Bruce Hoogesteger: Technical Director

PARADIGM
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Volatile Analysis Report for Soils/Solids/Sludges

Client: WRS I & E

Client Job Site:	MRS Plating	**Lab Project Number:**	08-2199
		Lab Sample Number:	7560
Client Job Number:	33-63-060001		
Field Location:	CONF-MRE-1	**Date Sampled:**	06/25/2008
Field ID Number:	N/A	**Date Received:**	06/26/2008
Sample Type:	Soil	**Date Analyzed:**	06/26/2008

Halocarbons	Results in ug / Kg
Trichloroethene	ND< 9.73

ELAP Number 10958 Method: EPA 8260B Data File: V57630.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature:
Bruce Hoogesteger: Technical Director

PARADIGM
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Volatile Analysis Report for Soils/Solids/Sludges

Client: WRS I & E

Client Job Site:	MRS Plating	**Lab Project Number:**	08-2199
		Lab Sample Number:	7561
Client Job Number:	33-63-060001		
Field Location:	CONF-WR-1	**Date Sampled:**	06/25/2008
Field ID Number:	N/A	**Date Received:**	06/26/2008
Sample Type:	Soil	**Date Analyzed:**	06/26/2008

Halocarbons	Results in ug / Kg
Trichloroethene	ND< 8.18

ELAP Number 10958 Method: EPA 8260B Data File: V57631.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature:
Bruce Hoogesteger: Technical Director

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Volatile Analysis Report for Soils/Solids/Sludges

Client: WRS I & E

Client Job Site:	MRS Plating	**Lab Project Number:**	08-2199
		Lab Sample Number:	7562
Client Job Number:	33-63-060001		
Field Location:	CONF-RE-1	**Date Sampled:**	06/25/2008
Field ID Number:	N/A	**Date Received:**	06/26/2008
Sample Type:	Soil	**Date Analyzed:**	06/26/2008

Halocarbons	Results in ug / Kg
Trichloroethene	51.2

ELAP Number 10958 Method: EPA 8260B Data File: V57632.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature:
Bruce Hoogesteger: Technical Director

PARADIGM ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue
Rochester, NY 14608
(585) 647-2530 • (800) 724-1997
FAX: (585) 647-3311

Client name has changed to WRS Compass per JH 9/8 EAH 9/8

CHAIN OF CUSTODY

REPORT TO	INVOICE TO	
COMPANY: WRS Compass	COMPANY: WRS compass	LAB PROJECT #: 08-3221 / CLIENT PROJECT #:
ADDRESS: 221 Hobbs ST	ADDRESS: 221 Hobbs ST	
CITY: TAMPA STATE: FL ZIP: 336[illegible]	CITY: TAMPA STATE: FL ZIP: 33619	TURNAROUND TIME: (WORKING DAYS) 14 DAYS STD / OTHER
PHONE: 813-684-4400 FAX:	PHONE: 813-684-4400 FAX:	☐1 ☐2 ☐3 ☐5 ☐
PROJECT NAME/SITE NAME: MRS PLATING	ATTN: Scott Soden	ATTN: A/P
	COMMENTS: REPORT TO SSODEN@WRSCOMPASS.COM	QUOTE #:

REQUESTED ANALYSIS

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER CONTAINERS	TAL METALS										REMARKS	PARADIGM LAB SAMPLE NUMBER
																			ee em 9/5 10508 10511
1	9/5/08	0800		X	FW	Soil	1	X										$180.00/per sample	
2	9/5/08	0810		X	FE	Soil	1	X											10509
3	9/5/08	0815		X	BW	Soil	1	X											10510
4	9/5/08	0820		X	BE	Soil	1	X											10511
5																			
6																			
7																			
8																			
9																			
10																			

LAB USE ONLY BELOW THIS LINE

Sample Condition: Per NELAC/ELAP 210/241/242/243/244

Receipt Parameter	NELAC Compliance	
Container Type: Comments:	Y ☒	N ☐
Preservation: Comments: NA	Y ☐	N ☐
Holding Time: Comments:	Y ☒	N ☐
Temperature: Comments: 22°C iced	Y ☒	N ☐

pres. begun in field

Sampled By	9/5/08 0830	Date/Time
Relinquished By	9/5/08 1320	Date/Time
Received By	9/5/08 1320	Date/Time
Received @ Lab By	9/5/08 1720	Date/Time

Total Cost:

P.I.F.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Analytical Report Cover Page

WRS Compass

For Lab Project # 08-3321
Issued September 19, 2008
This report contains a total of 6 pages

The reported results relate only to the samples as they have been received by the laboratory.

Any noncompliant QC parameters having impact on the data are flagged or documented on the final report.

All soil or solid samples have been reported on a dry weight basis, unless qualified "reported as received".

The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard, sections 5.5.8.3.1 and 5.5.8.3.2.

NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of frequently used data flags and their meaning:

"ND" = analyzed for but not detected.
"E" = Result has been estimated, calibration limit exceeded.
"D" = Duplicate results outside QC limits. May indicate a non-homogenous matrix.
"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.
"B" = Method blank contained trace levels of analyte. Refer to included method blank report.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 (585) 647-2530 FAX (585) 647-3311

Client: WRS Compass

Client Job Site: MRS Plating

Client Job No.: N/A

Field Location: FW
Field ID No.: N/A

Lab Project No.: 08-3221
Lab Sample No.: 10508

Sample Type: Soil

Date Sampled: 09/05/2008
Date Received: 09/05/2008

Laboratory Report for TAL Metals Analysis in Solid

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Aluminum	09/18/2008	SW846 6010	25000
Antimony	09/18/2008	SW846 6010	<4.85
Arsenic	09/18/2008	SW846 6010	4.90
Barium	09/18/2008	SW846 6010	152
Beryllium	09/18/2008	SW846 6010	1.34
Cadmium	09/18/2008	SW846 6010	1.26
Calcium	09/18/2008	SW846 6010	3030
Chromium	09/18/2008	SW846 6010	44.2
Cobalt	09/18/2008	SW846 6010	25.7
Copper	09/19/2008	SW846 6010	92.2
Iron	09/18/2008	SW846 6010	28500
Lead	09/18/2008	SW846 6010	12.5
Magnesium	09/19/2008	SW846 6010	7990
Manganese	09/19/2008	SW846 6010	1050
Mercury	09/10/2008	SW846 7471	0.0166
Nickel	09/18/2008	SW846 6010	32.2
Potassium	09/18/2008	SW846 6010	3860
Selenium	09/19/2008	SW846 6010	<0.404
Silver	09/18/2008	SW846 6010	<0.808
Sodium	09/18/2008	SW846 6010	230
Thallium	09/18/2008	SW846 6010	<0.485
Vanadium	09/18/2008	SW846 6010	42.6
Zinc	09/18/2008	SW846 6010	66.1

ELAP ID No.:10958

Comments:

Approved By: _____

Bruce Hoogesteger, Technical Director

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ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 (585) 647-2530 FAX (585) 647-3311

Client: WRS Compass

Client Job Site: MRS Plating

Client Job No.: N/A

Field Location: FE
Field ID No.: N/A

Lab Project No.: 08-3221
Lab Sample No.: 10509

Sample Type: Soil

Date Sampled: 09/05/2008
Date Received: 09/05/2008

Laboratory Report for TAL Metals Analysis in Solid

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Aluminum	09/18/2008	SW846 6010	22800
Antimony	09/18/2008	SW846 6010	<5.43
Arsenic	09/18/2008	SW846 6010	5.31
Barium	09/18/2008	SW846 6010	172
Beryllium	09/18/2008	SW846 6010	1.36
Cadmium	09/18/2008	SW846 6010	1.46
Calcium	09/18/2008	SW846 6010	2600
Chromium	09/18/2008	SW846 6010	26.2
Cobalt	09/18/2008	SW846 6010	19.8
Copper	09/19/2008	SW846 6010	13.2
Iron	09/18/2008	SW846 6010	30400
Lead	09/18/2008	SW846 6010	11.1
Magnesium	09/19/2008	SW846 6010	7310
Manganese	09/19/2008	SW846 6010	2100
Mercury	09/10/2008	SW846 7471	0.0178
Nickel	09/18/2008	SW846 6010	33.9
Potassium	09/18/2008	SW846 6010	3380
Selenium	09/19/2008	SW846 6010	<0.452
Silver	09/18/2008	SW846 6010	<0.903
Sodium	09/18/2008	SW846 6010	1000
Thallium	09/18/2008	SW846 6010	<0.542
Vanadium	09/18/2008	SW846 6010	43.4
Zinc	09/18/2008	SW846 6010	57.9

ELAP ID No.:10958

Comments:

Approved By: _____
Bruce Hoogesteger, Technical Director

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File ID:083221.xls

PARADIGM
ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 (585) 647-2530 FAX (585) 647-3311

Client: WRS Compass

Client Job Site: MRS Plating

Client Job No.: N/A

Field Location: BW
Field ID No.: N/A

Lab Project No.: 08-3221
Lab Sample No.: 10510

Sample Type: Soil

Date Sampled: 09/05/2008
Date Received: 09/05/2008

Laboratory Report for TAL Metals Analysis in Solid

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Aluminum	09/18/2008	SW846 6010	2170
Antimony	09/18/2008	SW846 6010	<4.72
Arsenic	09/18/2008	SW846 6010	3.07
Barium	09/18/2008	SW846 6010	14.8
Beryllium	09/18/2008	SW846 6010	<0.393
Cadmium	09/18/2008	SW846 6010	3.30
Calcium	09/19/2008	SW846 6010	196000
Chromium	09/18/2008	SW846 6010	27.8
Cobalt	09/18/2008	SW846 6010	1.41
Copper	09/19/2008	SW846 6010	18.5
Iron	09/18/2008	SW846 6010	7120
Lead	09/18/2008	SW846 6010	21.4
Magnesium	09/19/2008	SW846 6010	98300
Manganese	09/19/2008	SW846 6010	1520
Mercury	09/10/2008	SW846 7471	<0.0048
Nickel	09/18/2008	SW846 6010	4.37
Potassium	09/18/2008	SW846 6010	1240
Selenium	09/19/2008	SW846 6010	<0.393
Silver	09/18/2008	SW846 6010	<0.785
Sodium	09/18/2008	SW846 6010	353
Thallium	09/18/2008	SW846 6010	<0.471
Vanadium	09/18/2008	SW846 6010	3.63
Zinc	09/18/2008	SW846 6010	108

ELAP ID No.:10958

Comments:

Approved By: _____

Bruce Hoogesteger, Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 (585) 647-2530 FAX (585) 647-3311

Client: WRS Compass
Client Job Site: MRS Plating
Client Job No.: N/A
Field Location: BE
Field ID No.: N/A

Lab Project No.: 08-3221
Lab Sample No.: 10511
Sample Type: Soil
Date Sampled: 09/05/2008
Date Received: 09/05/2008

Laboratory Report for TAL Metals Analysis in Solid

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)	
Aluminum	09/18/2008	SW846 6010	5140	
Antimony	09/18/2008	SW846 6010	<3.55	
Arsenic	09/18/2008	SW846 6010	4.18	
Barium	09/18/2008	SW846 6010	173	
Beryllium	09/18/2008	SW846 6010	<0.295	
Cadmium	09/18/2008	SW846 6010	1.80	
Calcium	09/19/2008	SW846 6010	63700	
Chromium	09/18/2008	SW846 6010	19.8	
Cobalt	09/18/2008	SW846 6010	4.88	
Copper	09/19/2008	SW846 6010	288	
Iron	09/18/2008	SW846 6010	10400	
Lead	09/18/2008	SW846 6010	83.5	
Magnesium	09/19/2008	SW846 6010	19000	
Manganese	09/18/2008	SW846 6010	455	
Mercury	09/10/2008	SW846 7471	0.0295	D,M
Nickel	09/18/2008	SW846 6010	18.7	
Potassium	09/18/2008	SW846 6010	1140	
Selenium	09/19/2008	SW846 6010	<0.295	
Silver	09/18/2008	SW846 6010	<0.592	
Sodium	09/18/2008	SW846 6010	339	
Thallium	09/18/2008	SW846 6010	<0.355	
Vanadium	09/18/2008	SW846 6010	13.8	
Zinc	09/18/2008	SW846 6010	72.7	

ELAP ID No.:10958

Comments:

Approved By: _____
Bruce Hoogesteger, Technical Director

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